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FEB. 8, 1941

# KANSAS FARMER

CONTINUING  
MAIL & BREEZE



AN EYE ON  
BETTER FARMING

Western Tractor and Power Farm Equipment Show, Wichita, February 18 to 21



**W**HEN icy blizzards grip the north, somewhere it is June.

In this big country of ours—every week in the year—lettuce is ripening here, or tomatoes there, celery or cabbage somewhere else, or strawberries or avocados, oranges or apples, or the dozens of other fresh fruits and vegetables which a vitamin-conscious America demands—and gets—every day in the year.

It's one of the railroads' jobs to know just where and when each crop will ripen; to have the right kind and number of cars there to pick it up; to know just when and how cars for each crop should be iced; yes, and often heated, too, to prevent freezing;

to rush these highly perishable shipments thousands of miles cross-country and distribute them to every city and town in the land with the least possible loss by spoilage.

It's a huge job. A job that is going on somewhere every day. A job that can be done only by the closely knit, smoothly working transportation system of the American railroads with their own steel highways, 235,000 miles of them, over which a vast traffic moves swiftly and surely in any weather.

And this staggering movement of fresh fruits and vegetables, detailed below, accounts for only two per cent of the railroads' tonnage—just two per cent of the railroads' service to America.

### HOW THE RAILROADS DELIVER

The American railroads carry in a year such quantities of fresh fruits and vegetables as these:

TONS		TONS	
Oranges and grapefruit . . . . .	2,349,575	Tomatoes . . . . .	315,426
Fresh apples . . . . .	887,777	Peaches . . . . .	241,589
Bananas . . . . .	880,081	Potatoes . . . . .	3,193,373
Cantaloupes and melons . . . . .	208,409	Carrots . . . . .	628,000
Fresh grapes . . . . .	457,383	Miscellaneous Fresh	
Cabbage . . . . .	247,967	Fruits and Vegetables . . . . .	1,264,299
Onions . . . . .	400,453		

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ASSOCIATION OF  
**AMERICAN RAILROADS**  
WASHINGTON, D. C.

## PLANTING A HOUSE

*Turns It Into a Delightful Home*

By JAMES SENTER BRAZELTON

**I**T'S NOT a home until it's planted," someone has said. It takes trees and shrubs and vines to make a house a home. That rural Kansas is realizing the truth of this statement one need only to note the enthusiasm with which farm folk are making an effort to improve their surroundings. For adding zest and stimulus to this movement much credit must go to the home demonstration leaders thruout the state and to L. M. Copenhafer, extension landscape specialist, Kansas State College.

The average Kansas farmer and his family have a natural pride that prompts them to keep things picked up and induces them to beautify their home grounds. The farm business and the farm home are necessarily so closely related that success of the one is reflected in the general appearance of the other.

Kansas farm families are learning to enjoy their homes and are coming to know what a home really is. They have found that it is more than just a place to eat and sleep. A dwelling, be it large or small, that nestles in a planting of arching shade trees, surrounded by beautiful flowering shrubs, with a pleasing expanse of green lawn, is more than just a delight to the farming. It is an inspiration to better living. Flowers seem to share one's joy in happy moods and likewise the blossoming shrubs offer comfort and peace in sadness.

Boys and girls growing up in our farm homes are affected for good or ill by their surroundings. Often this influence is not realized at the time. A home that is attractive enough to be of interest to the children will have a lasting effect upon their lives. Beauty in every form has an influence for good.

Grownups, as well as children, like to spend their spare moments with nature. Trees and plants are a stimulus to lagging spirits. Many have discovered the secret of life in their garden. As Margaret Sangster has said, "When you work in a garden you share with God, the ability to do miracles." I suspect many a farmer and many a farm woman in recent years have found the courage, as they worked lovingly with their flowers, to keep plodding on against adversity.

To have an attractive homestead means work, too. One cannot merely

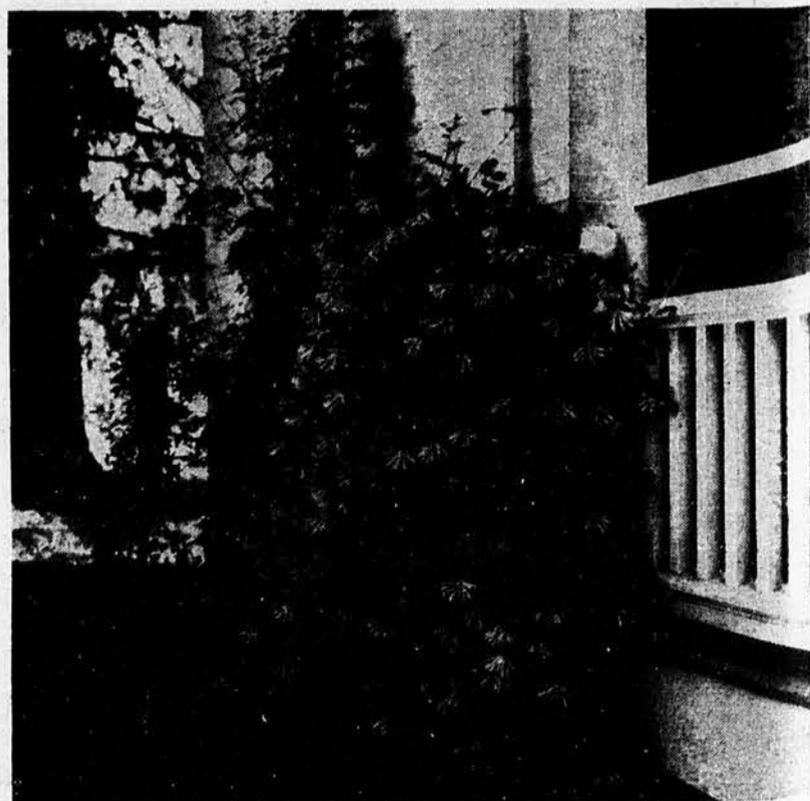
set things out and expect them to shift for themselves. If shrubs and perennials are to thrive they must have attention. In this respect they are not unlike other things raised on the farm. Even in winter there is work to do, for now, when the leaves are off, is the best time to prune certain shrubs. Those that bloom in late summer or fall like Althea, Butterfly Bush, Hydrangeas and Snowberry should be pruned in winter or early spring before growth starts.

In pruning shrubs one of the first things to do is to remove diseased, dead, broken or crossed branches. The next step is the cutting out, clear to the ground, of some of the older stems. This is to encourage new and more vigorous growth. Many plants that are not on their own roots, like the French hybrid lilacs and many kinds of roses, send out sucker growths which spring from points below the graft. If these suckers are not pruned off they will eventually overcome the desirable top growth.

Bright-colored twigs cheer a bleak winter landscape. Shrubs valued for colored bark like the yellow and red-twig dogwoods and Kerria Japonica, need to be cut back severely in winter or early spring to encourage new growth, because the new stems give the brighter colors. The Hydrangeas are pruned lightly for numerous small blossoms and are cut back severely if larger but fewer flowers are desired. Butterfly Bush and Desmodium usually die back to the ground so the tops should be cut off entirely in winter.

There are a few rules or precautions which a careful pruner always observes. He uses sharp cutting tools so as to make all wounds clean, for clean wounds heal faster than jagged ones. He makes all cuts parallel and close to the branch that is left. He never leaves a stub if it is possible to avoid it. When he heads back twigs he makes his cut just above a healthy bud pointing in the same direction that he wishes the new growth to follow.

Not all ornamental plants, however, should be pruned in winter. On these shrubs that bloom in early spring the blossom buds are already formed, ready to burst out when the proper time comes. To prune these now would be to cut away much of the flowering part of the plant. Some of the plants that should not be winter-pruned are



Vines do a great deal to help tie a house to its surroundings. The honeysuckle makes an attractive porch vine.

### Tested Chick Feeding

After being tested by hundreds of poultry raisers over many years, the Hendriks Method of Feeding Baby Chicks is still becoming more popular every year. The method is so simple, even the rank amateur cannot make a mistake. Every step is outlined in 1, 2, 3 style, exactly what to feed, exactly when to feed it. Because this method has been proved time and time again, experienced raisers like to have it for reference. For a printed copy, send a 3-cent stamp to Farm Service Editor, Kansas Farmer, Topeka, Kansas.

ed bud, flowering dogwood, flowering almonds, plums, cherries, azaleas and the goldenbells. The proper time to prune all shrubs that bloom in spring or early summer is within 2 weeks after they have bloomed.

Of all the spring-flowering shrubs, goldenbell or Forsythia is the earliest and one of the most desirable. Here at the Glen Farm we have a planting of them on a steep bank along the public road. Their bright, golden yellow, star-shaped flowers completely cover the bush before any leaves appear, and many times they have been in full bloom while snow yet covered the ground.

Japanese quince is another spring-flowering shrub that should be included in every farmstead planting. In May it is covered with conspicuous arlet flowers, the size of apple blossoms, that give the whole bush a light, fiery red effect, and for the rest of the summer it is attractive because of its glossy foliage.

To mention one more desirable shrub for the farm home planting there is the Mock Orange or Philadelphus. This is an old-time favorite, often called Syringa. In June it is fairly covered with beautiful, fragrant, creamy white flowers. Vines add much to the attractiveness of any house and when trained over porches, entrances or windows, serve to tie it to its surroundings and make it blend with the landscape. For desirable and attractive vines one may choose from the many kinds of ivy, honeysuckle, clematis or Steria.

### Grants to K. S. C.

Two grants, totaling \$3,000, have been received by the departments of chemistry and poultry husbandry at Kansas State College for research work on poultry, according to Prof. L. F. Payne of the college. A study will be made of the methods of treating egg shells to preserve the original quality of the egg. The chemistry of poultry will be studied under terms of one of the grants. Little is known at present regarding the chemistry of poultry. Dr. R. M. Conrad, poultry and chemist on the staff of the Kansas Agricultural Experiment Station, will have direct supervision of the research work, which will extend over several years.

### Washington Trips to Four

Four Kansas rural young people who will receive free trips to the National Club Camp in Washington, D. C., in June because of their outstanding accomplishments in club work have been announced by M. H. Coe, state leader. They are: Irene Hotchkiss, Butler county; Merna Vincent, Rice county; Maxell Williams, Pitt, Mitchell county; and Clair Parcel, Coldwater, Comanche county. Miss Hotchkiss has been a 4-H mem-

ber 9 years, and she has carried 63 projects. Her projects in 1940 inventoried \$1,400. She has won county championships in general home economics, food preservation, clothing, sheep, poultry, health, co-operative marketing and junior leadership. Miss Vincent has twice been a style-revue champion and has been active in judging and demonstration team work. She has completed 34 projects.

Maxell Williams is a director of the North-Central Kansas 4-H Club Camp Corporation and has attended camps every year he has been in club work. He has been awarded county championships in leadership, swine, general livestock, and home beautification. Clair Parcel has 10 years of club work.

He was state beef champion in 1939. He has been county sheep champion. He has worked in conservation, his club being chosen as the state's most outstanding in wildlife conservation activities.

### Flocks Grow Smaller

A poultry survey of 250 typical farms in Kansas made in July, 1940, and compared with a similar survey made in July, 1928, and as analyzed by Professor L. F. Payne, of the Kansas State College poultry department, shows the following important changes in the poultry industry of the state for the 14-year period: 1. The average size of flocks has decreased by approximately

one-third. 2. Percentage of flocks rated as good by the poultry department and Extension Service staff show that the survey increased from 14 to 40 per cent. Poor flocks decreased from 47 to 14 per cent. 3. Percentage of White Leghorn flocks increased from 27 to 46 per cent and White Plymouth Rocks from 5 to 27 per cent. Rhode Island Reds and Barred Plymouth Rocks decreased in popularity by 8 per cent for each breed. Crossbred flocks decreased by 2 per cent and mongrels decreased from 23 to only 6 per cent. 4. Turkeys were found on 14 per cent of the farms in 1926 and again in 1940, indicating no increase in the number of farms raising turkeys; however, an increase occurred in the size of the flocks.

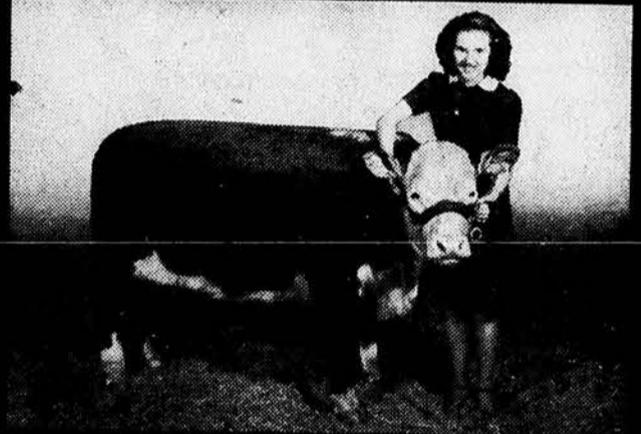
# CHAMPIONS ALL . . .

## SARGO

Judged the 1940 Grand Champion Steer at the International Live Stock Exposition in Chicago. Bought by the Firestone Farm Service Bureau and soon to start on a tour of the United States so that millions of farmers may study the features that made him the Champion.

## EVELYN ASAY

18-year-old Mt. Carroll, Illinois girl who raised and fed out Sargo to the Grand Championship. Recently made a Firestone Champion Farmer.

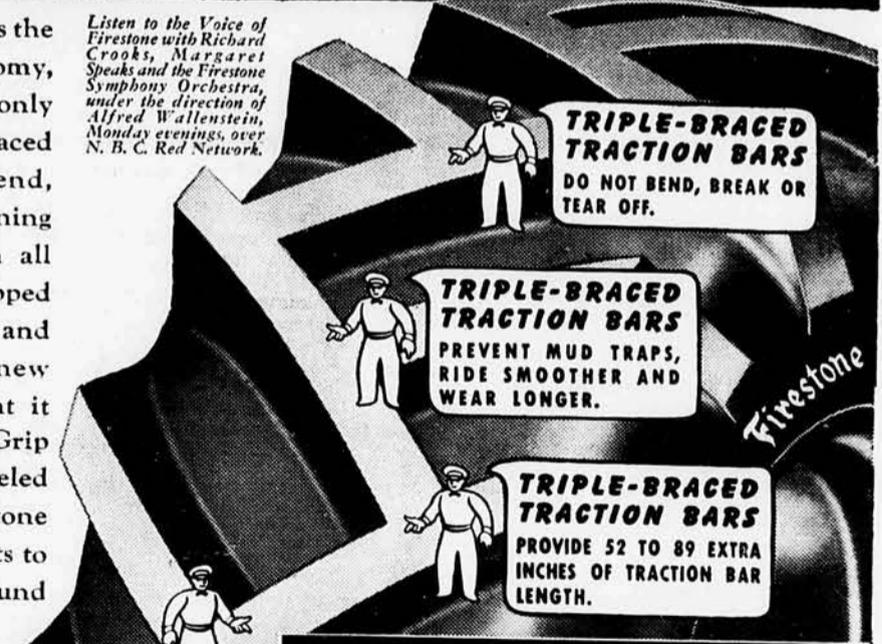


## AND

# Firestone GROUND GRIP TIRES

JUDGED by farmers everywhere as the champions in traction, in economy, in long life and in easy riding. The only tires made with patented triple-braced traction bars which will not bend, break or tear off. Automatic self-cleaning action assures positive traction in all soil conditions. Patented Gum-Dipped cord body means greater strength and longer life. When you order a new tractor tell your dealer you want it delivered on Firestone Ground Grip Tires. Or, if you own a steel-wheeled tractor, call upon your nearby Firestone dealer and find out how little it costs to equip it with a set of Firestone Ground Grip Tires.

*Listen to the Voice of Firestone with Richard Crooks, Margaret Speaks and the Firestone Symphony Orchestra, under the direction of Alfred Wallenstein, Monday evenings, over N. B. C. Red Network.*



**TRIPLE-BRACED TRACTION BARS**  
DO NOT BEND, BREAK OR TEAR OFF.

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PREVENT MUD TRAPS, RIDE SMOOTHER AND WEAR LONGER.

**TRIPLE-BRACED TRACTION BARS**  
PROVIDE 52 TO 89 EXTRA INCHES OF TRACTION BAR LENGTH.

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GIVE GREATER TRACTION AND DRAWBAR PULL

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Without obligation on my part, please send me (check below):

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**MORE FARM TRACTORS ARE EQUIPPED WITH FIRESTONE GROUND GRIP TIRES THAN WITH ANY OTHER MAKE**

### TO KANSAS FARMERS

If you've ever been around the Rogue River Valley of southern Oregon you know it's pear orchard country. I whizzed through miles of these orchards on the trail of Cecil C. Clemens, Medford grower — he doesn't have time to light long in one place.

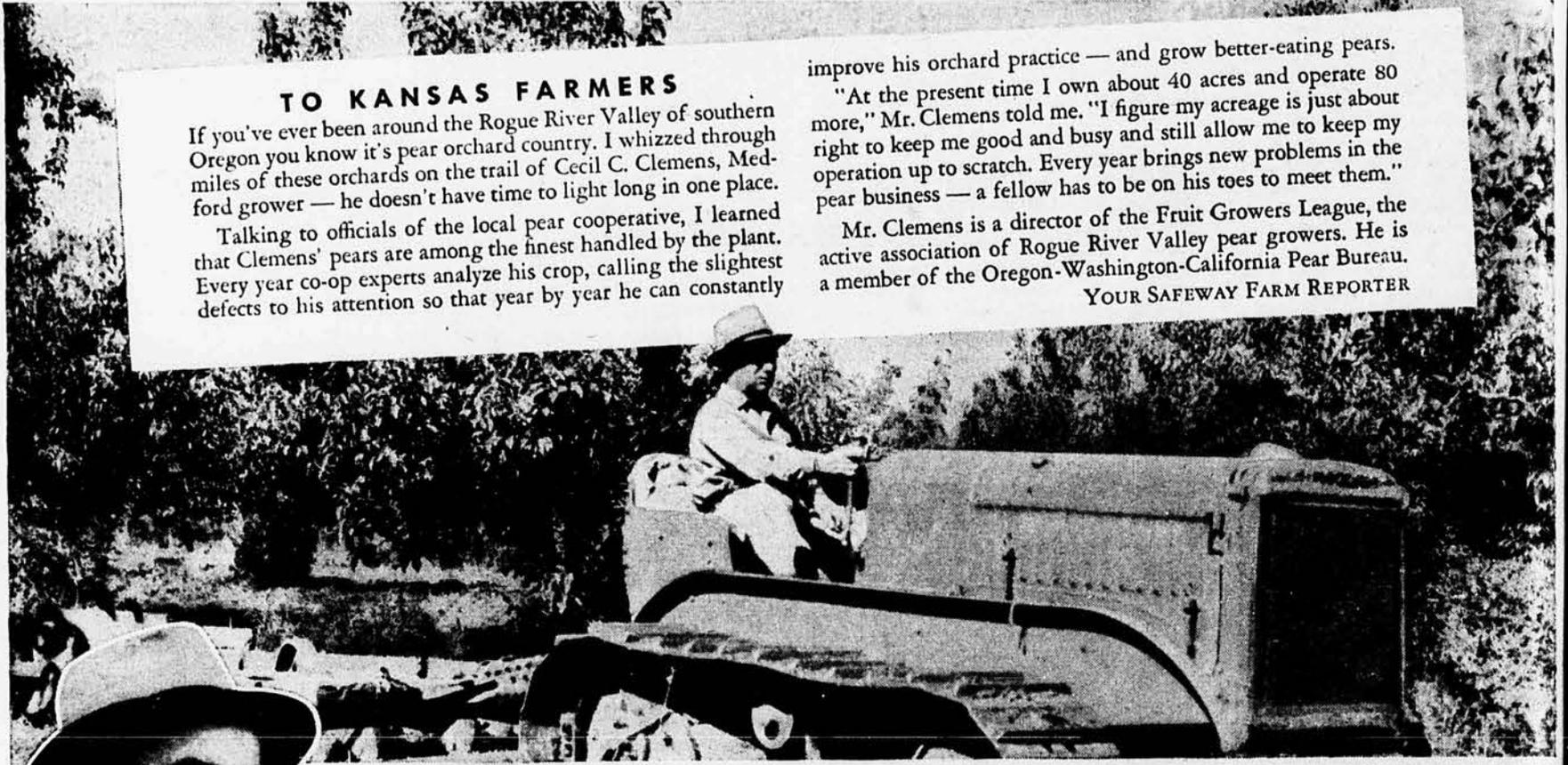
Talking to officials of the local pear cooperative, I learned that Clemens' pears are among the finest handled by the plant. Every year co-op experts analyze his crop, calling the slightest defects to his attention so that year by year he can constantly

improve his orchard practice — and grow better-eating pears.

"At the present time I own about 40 acres and operate 80 more," Mr. Clemens told me. "I figure my acreage is just about right to keep me good and busy and still allow me to keep my operation up to scratch. Every year brings new problems in the pear business — a fellow has to be on his toes to meet them."

Mr. Clemens is a director of the Fruit Growers League, the active association of Rogue River Valley pear growers. He is a member of the Oregon-Washington-California Pear Bureau.

YOUR SAFEWAY FARM REPORTER



Making you acquainted with Mr. and Mrs. Cecil C. Clemens of Medford, Oregon — they're fine people

(Right) As fine a pair of healthy, happy American youngsters as I've seen in months are Geraldine and Barton Clemens. 18-year old Geraldine is now attending business college. Barton, 16, has won his school letter on the Medford High tennis team



(Left) "My spray program," explained Mr. Clemens, "consists of a dormant spray for over-wintering pests. In the spring before full blossom, at what we call the 'cluster bud stage,' I spray for scab control. This is followed up with from 5 to 6 sprays spaced into mid-summer for the purpose of controlling codling moth"



From August to October harvesting goes on steadily in the Clemens orchards. About 40,000 field lugs of pears are produced yearly—11,000 Bartlett, 17,000 Anjou, 5500 Winter Nelis, 5500 Bosc, and 1000 Comice. All varieties are packed for fresh shipment except Bartlett, which can be either sold to the canner or shipped fresh. This picture shows Dee Hendrickson, superintendent of the co-op packing shed, inspecting some of Mr. Clemens' fine quality pears

## He's got ideas on getting folks to EAT MORE PEARS

"WHEN PEAR PRICES started to slip during the depression I found out the three main things needed to make a go of this business," C. C. Clemens told me. "The first is—grow quality pears. Next, get good production per acre. And third, have enough acres to give you large total production."

"Now, I've been working at growing pears ever since I was a kid — I followed my dad into this business. Naturally, I've developed some definite ideas on quality production."

"I believe in good equipment — tractors, orchard tools, a high-pressure spray rig, and trucks. When I first bought my equipment I worked for my neighbors to help pay for it. Good equipment runs into money, which is why I maintain a pear grower in this area should have considerable acreage to get full value out of his investment."

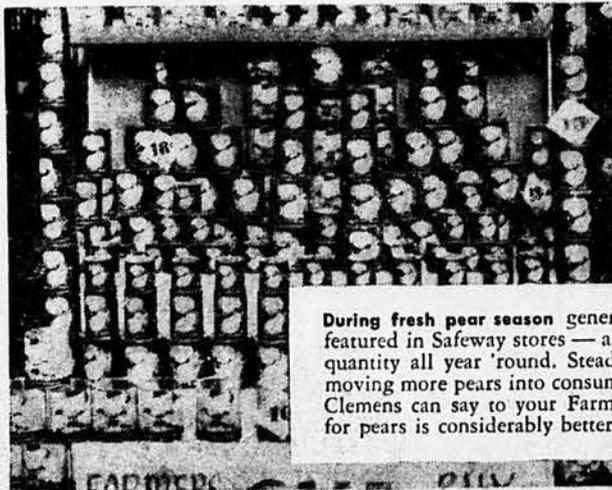
"Every year I grow a vetch cover crop and disc it under in the late spring to add nitrogen and humus to my soil. I also add com-

mercial nitrogen in the spring. Two or three times a year I irrigate — I figure I can get 50% more pears by irrigating. To give the fruit opportunity to ripen properly I prune my trees in the center, letting in plenty of sunlight and air.

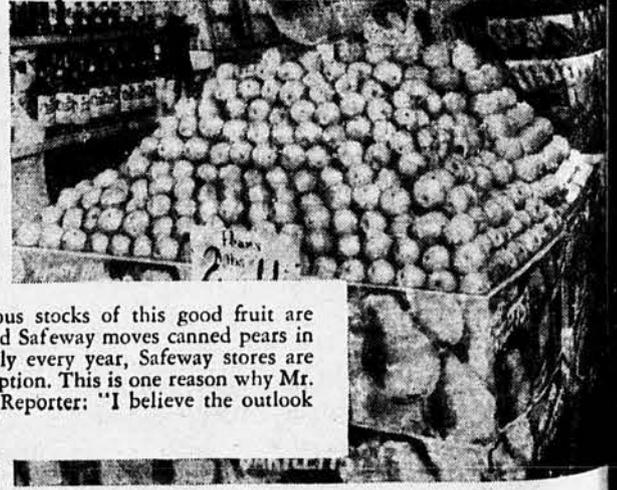
"Yes, sir, maybe I'm sort of hipped on quality, but I figure we growers have got to produce fine pears to tempt folks to eat more of them. And then we need good selling — all of it we can possibly get."

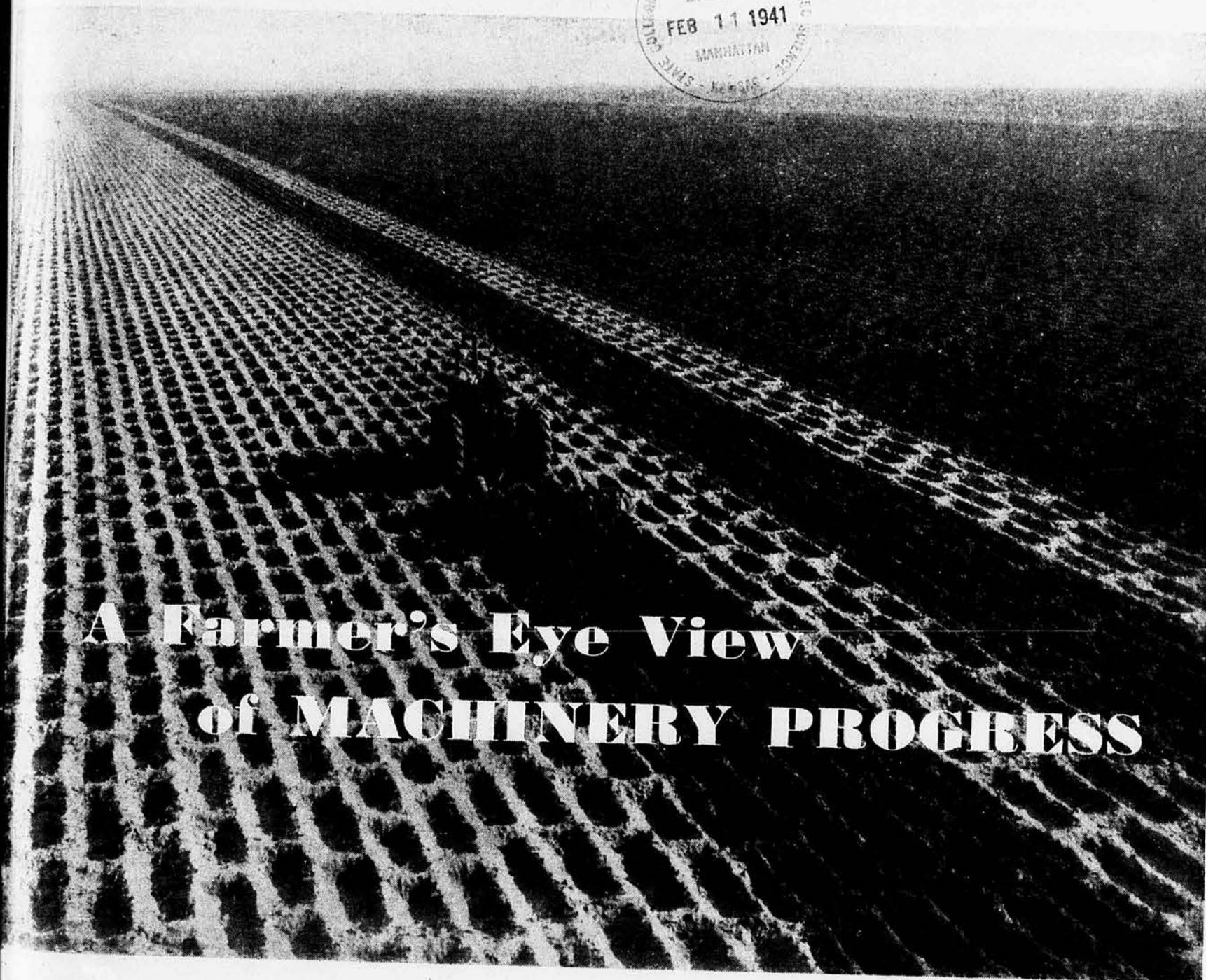
"The Safeway people have been mighty cooperative on the selling end. A few years back, when an over-supply of pears was kicking the bottom out of prices, Safeway and other food chains put on a nation-wide pear selling campaign. Safeway stores in Medford bought a whole carload of our Rogue River Valley canned pears and sold them to folks around here. We growers haven't forgotten that helping hand."

THE SAFEWAY FARM REPORTER



During fresh pear season generous stocks of this good fruit are featured in Safeway stores — and Safeway moves canned pears in quantity all year 'round. Steadily every year, Safeway stores are moving more pears into consumption. This is one reason why Mr. Clemens can say to your Farm Reporter: "I believe the outlook for pears is considerably better"





# A Farmer's Eye View of MACHINERY PROGRESS

TO OBTAIN a genuine farmer's view of recent machine progress, outstanding Kansas farmers in every section of the state were asked to give their opinion of what is the most important development in their area during the last 10 years. Their answers indicate the most significant change has been in improvement of combines, especially the development of smaller combines adapted to a wide variety of crops and conditions.

But the combine has some strong competition for first place in this popularity contest. Many farmers cast their vote for rubber tires on the farm machinery, as the most important development in this period. In this connection, particular importance is placed on more economical fuel consumption, along with more speed and comfort of operation.

Another development that ranks right along with the combines and rubber tires is that of phenomenal improvements in tractors. The farm operators mention progress in developing general-purpose tractors adapted to row-crop work. High-compression heads came in for a share of the praise, while other farmers mention more efficient oil puralators, self-starters, lights, and simplicity of construction.

Power take-off equipment and power-lift devices are both extremely important in the minds of farmers who offered their opinions on the matter. Power take-off is credited with effecting worthwhile economy and convenience, while the power-lift is praised because it saves the back and speeds up farm jobs.

Unusual progress in the field of cultivated implements merited its share of favorable comment, with the dammer, rod weeder, Uni-Tiller, diskfoot, field cultivator, and even the spike-tooth harrow receiving special mention. Other developments attracting favorable comment included: REA, power mowers, field forage harvesters, manure spreaders, sweep rakes, and pick-up balers.

Regardless of what they considered the most

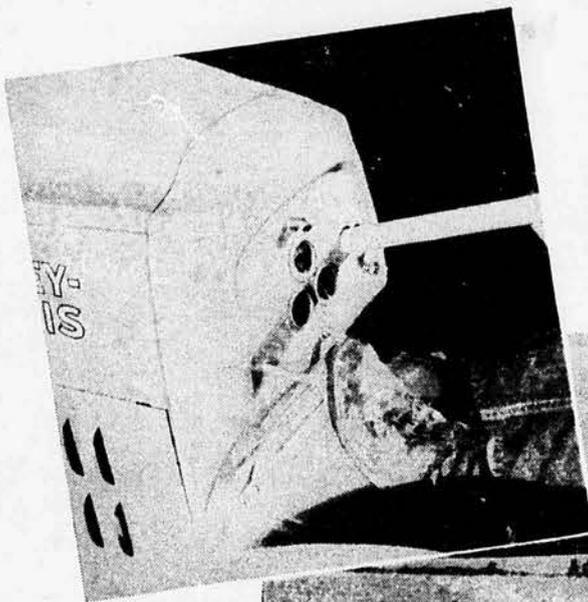
important development in farm machinery, all farmers agree that progress in machinery has greatly aided in saving labor, in getting the job done quicker and easier, and in improving the conditions of farm life.

Following are the statements of these outstanding farmers from the different farming areas of Kansas:

### SOUTHEAST KANSAS

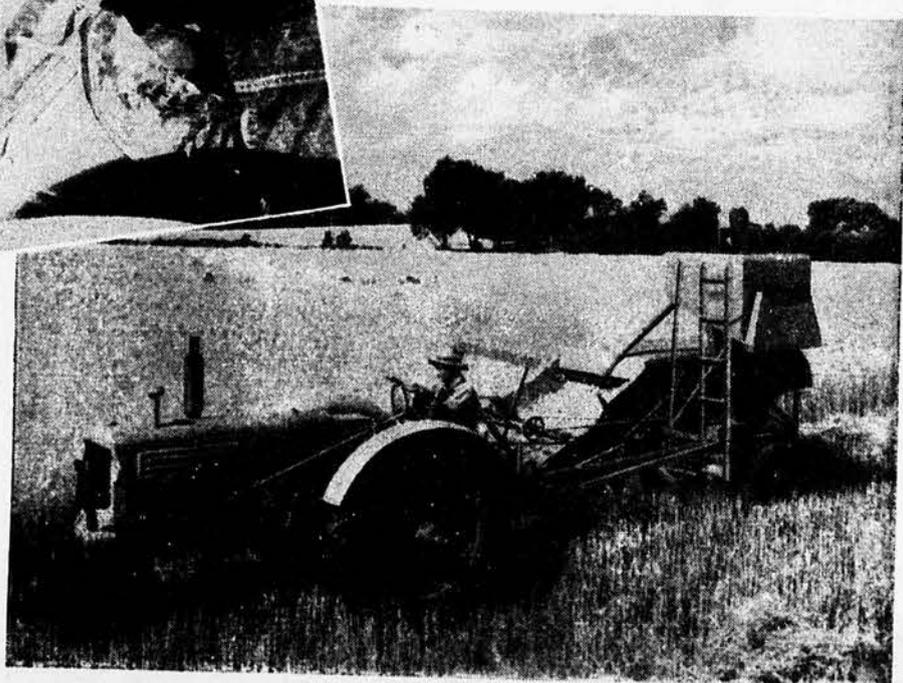
Arthur Christensen, Cherokee county—The small, rubber-tired combine has certainly been an important machinery development for this area. We raise wheat, barley, rye, flax, soybeans, lespedeza, Sweet clover and grasses that must be harvested. We find the small combine well-adapted for harvesting these various grains and seeds. The small combine is important in this area because frequently we have wet harvests and it is difficult to use large machinery in the fields. Small combines have been simplified by

[Continued on Page 35]



Comfort, speed and efficiency of farming have doubled and redoubled many times with the march of progress in the farm machinery field.

Opinions of outstanding Kansas farmers indicate that phenomenal development of all-crop combines, use of rubber on farm implements are important developments of the last 10 years.



# Farm Matters

AS I SEE THEM

JUST at present Congress is busy with, and I believe public interest generally over the country is centered upon, President Roosevelt's so-called "lend-lease" bill. I believe I made my position on that fairly clear in the Kansas Farmer two weeks ago. I am opposed to the immense grants of Congressional power to the President that are proposed in this bill. I am opposed to that kind of government; I am opposed to giving the President additional power to take the United States into a foreign war in the name of national defense.

There are some other things which Congress should give its attention as soon as the lend-lease bill is out of the way.

One of these is the matter of financing the war in such a way as not to bring about an undesirable and very dangerous inflation while the war program is on. Such an inflation would greatly increase the misery and suffering from the dislocations in our economic life that are bound to follow when the armament program is even slowed down appreciably. It is understood here that the problem of new and additional taxes to help finance the expenditure of from 15 to 25 billion dollars a year by the Federal government will not be brought up in Congress until after the income taxes due March 15 have been analyzed.

Another matter of supreme importance to Kansas and other states in the Farm Belt is protection of the income and purchasing power of the wheat farmer, the cotton grower, the corn-hog producer. The general farmer who can and does diversify will not suffer as will these producers of surplus crops, because the expenditure of all these billions and tens of billions of dollars by the Federal government will increase payrolls and make additional markets for foodstuffs, including beef and perhaps pork to some extent; certainly fruits, vegetables and dairy products.

President Roosevelt recognized this situation when he recommended appropriations for parity payments in his budget message to Congress. But that recommendation of itself is

not going to take care of producers of meats and cereals.

Today our production and reserves of feed grains are more than adequate. Domestic consumption of meats and cereals is not going to take care of the output of these that American Agriculture is capable of producing. There actually are more people engaged in growing feed grains and cereals than are needed to supply the markets we have today. Export markets are almost non-existent for wheat and other surplus crops.

Three principal proposals advanced to take care of this situation are: (1) price-fixing; (2) high commodity loans; (3) parity payments to give these producers the difference between market price and parity price.

I think Congress should consider carefully all three proposals. Price-fixing looks the simplest, but carries implications of price-fixing on all commodities that would be loaded with dangers and serious complications. Too high commodity loans over too long a period of time would result in another Farm Board fiasco.

If parity payments are to be the program—supplemented by some commodity loans to tide over a short emergency period—then I think Congress should provide some plan of financing these on a permanent basis, in addition to the one-third of the customs receipts now available for this purpose.

The income certificate plan—processing tax under another name—I believe is going to get serious attention before this session is over. I am giving it careful study.

Improvement in farm income during 1940 apparently is reflected in the increased ac-

tivity of farmers and tenants in purchasing farms. Farmers of the U. S. bought 10,800 properties from the Federal Land Banks in the first 9 months of 1940, which was more than one-fourth of the entire inventory. The total purchase price amounted to more than 27 million dollars.

The bad part about these good-looking figures, however, is the fact that for every farm bought from Federal Land Banks, someone lost that farm because he couldn't or didn't wish to make the mortgage payment on it. I am not blaming this on the banks. Primarily it is the fault of an economic system which makes the farm dollar worth less than any other. An encouraging sign appears here, however, in that Land Bank foreclosures and voluntary deeds dropped sharply in 1940.

Moving one farm family from a farm and selling that property to another farm family doesn't result in any net gain for agriculture. Instead it shows up as a decided loss. What we need is to keep farm families on their own places, and help other farm families to own family-size farms. When that happens we will show a net gain for agriculture.

Just along this line I am glad to note that during the last year the Federal Land Banks have been making a special effort to keep families on their farms. For the benefit of farmers who lost their properties thru Land Bank foreclosure, most of the banks have made an effort to resell the farms to their former owners or relatives who have a reasonable opportunity of making good. Since this started a year ago about 2,000 farms have been sold or leased to their former owners or relatives. I think this is a move in the right direction, and it should be encouraged and broadened. Every effort should be made to increase farm ownership. Too many farmers have been sold out too soon for the good of agriculture and our country.

*Arthur Capen*

Washington, D. C.

## FROM A Marketing VIEWPOINT

By George Montgomery, Grain; Franklin L. Parsons, Dairy, Fruits and Vegetables; R. J. Eggert, Livestock; C. Peairs Wilson, Poultry.

What is the market outlook for broilers in about 3 months? Is it probable that they will reach 20 cents by that time?—H. L. C., Mo.

Broiler prices usually advance from January to April, reaching a seasonal peak during the latter month. The amount of the advance depends largely on the number of broilers produced for market during that period. Most of the chicks hatched in December and January are for broiler production. In December this year, 36 per cent more chicks were hatched and 20 per cent more eggs were set than during that month last year. This would indicate a substantial increase in the number of broilers for market during early spring. On the other hand, demand is expected to be good and some price advance may be expected, altho probably not as much as usual for this season. With broiler prices at Kansas City quoted at 17 cents in late January, it

seems probable that by May 1 Kansas City prices will reach 20 cents. They probably will not go much above that level.

I have 1,000 bushels of wheat in storage and would like you to tell me the best time to sell this wheat, between now and April, to get the highest price.—T. F., Shawnee Co.

Wheat prices are being influenced by the prospects for a large winter wheat crop in 1941 and by the expectation of an unusually large carryover of old wheat next July, so it is not probable that there will be any further strength in prices. On the other hand, it is not expected that the price will decline a great deal during the next month or 6 weeks. The present situation does not justify carrying wheat beyond late February.

Would you advise selling good-grade, 950-pound steers now or later?—R. B., Mo.

The answer to this question depends largely on the finish these cattle are

carrying for the conformation and quality. We are expecting steady to slightly lower prices for good-grade slaughter cattle during the next 3 weeks but a full recovery and slightly higher prices by mid-March, assuming a continued British outlet for Argentine beef. Federal reports indicate about 11 per cent more cattle on feed

in the Corn Belt this year than last but it seems probable that slaughter supplies of the better grades of cattle will not show significant increases over last year's numbers until after March. Furthermore, a continued improvement in consumer demand for beef seems highly probable and will be an important price-supporting factor in the next few months.

### Trend of the Markets

Please remember that prices given here are Kansas City tops for best quality offered:

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$13.00	\$13.00	\$10.50
Hogs	8.05	7.80	5.35
Lambs	10.40	9.85	9.00
Hens, 4 to 5 Lbs.	.15 1/2	.14	.12
Eggs, Firsts	.16 1/4	.20	.24
Butterfat, No. 1	.27	.26	.28
Wheat, No. 2, Hard	.82	.87 1/4	.99
Corn, No. 2, Yellow	.62	.60 3/4	.59
Oats, No. 2, White	.37	.38 1/2	.41 1/4
Barley, No. 2	.51	.52	.55
Alfalfa, No. 1	15.00	15.00	18.00
Prairie, No. 1	9.00	9.00	8.50

I understand there are plenty of fed lambs to be sold in the near future. What do you think the movement in prices will be?—A. S., Douglas Co.

Your observation is highly accurate. Federal reports indicate there were about 6 per cent more lambs on feed January 1 this year than in 1940. Indications point to relatively heavy liquidation during the next 3 weeks. Expectation of this heavy movement of lambs, it seems probable that prices will drop from 5 to 10 per cent in early February. However, a complete recovery and possibly higher prices are expected by late March for lambs on the market.

# ADVENTURES IN 'TRACTOR-LAND'

IF YOU are interested in farm machinery, you can find sights and thrills aplenty at Wichita, February 18 to 21. On those 4 days, Kansas will be host to the entire Southwest for the 38th annual Western Tractor and Power Farm Equipment Show, largest of its kind in the United States. This big show offers opportunity for genuine "adventures in tractor-land," where you can see 1941 models of all kinds of farm machines.

Leading tractor and farm equipment manufacturers of the country will bring generous samples of their choicest wares, all dressed in their Sunday clothes for your inspection. The trainloads and truckloads of machinery on exhibit will feature newest ideas and improvements that have been withheld for announcement during this important annual event.

As usual, headquarters for the show will be Wichita's spacious Forum Building. This building offers 2 floors, totaling 1 1/2 square blocks of space, all under cover. The space will be packed with all of every kind of farm machine and implement imaginable. There will be tractors, binders, combines, cultivation implements, mowers, grinders, light plants, ensilage cutters, trucks, and all other articles of equipment that play important roles in Kansas farming.

But, large as it is, the Forum Building houses only a small portion of the machines on exhibit. Only a half block from this building is the famous "Tractor Row," consisting of several blocks of Wichita streets. The streets are roped off for that week, so they may be filled with a full line of machine exhibits. Along "Tractor Row" are the blocks of warehouses of different machinery companies. These, also, will be filled with exhibits to show you latest designs and improvements so you can decide what is best suited for use on your farm. Branch houses, distributors and dealers of the various companies are located along this street.

FRED G. WIELAND, manager of the show, announces that representatives of farm equipment companies have called at his office recently, to expect that all attendance records will be broken in the 1941 show. One reason given for this is the fact that the Southwest's winter wheat crop is the most promising it has been in 9 years. Moisture conditions thruout the area now are far more encouraging than has been the case at this season in many previous years.

Because of excellent row crops raised in 1940, the feed situation is favorable. Farmers have been transporting sheep and cattle into the Southwest, from other areas, to help utilize this feed. It has resulted in increased buying power for hundreds of farmers.

Another important factor is the steady expansion of the area employing power machinery. This has caused farmers to discard horses and to adopt the tractor, which requires new machinery and replacements. But, during

the last few years, lack of money has prevented farmers from purchasing large quantities of farm machinery. Because of this, much of the machinery now in use is old and worn out. With the great need for new tillage and harvesting machinery in 1941, manufacturers predict that farmers will be required to make more replacements than ever before. If so, more farmers than ever before may be expected to be in Wichita for the big show, to see all the latest models before they make their replacements.

In past years, the show has attracted farmers, manufacturers and implement dealers from 24 states and from Canada. Last year, the combined attendance at exhibits in the Forum Building and on "Tractor Row," was estimated at more than 200,000 persons. Naturally, an extremely high percentage of this was composed of farm people.

FEATURING attractions for every member of the family, the show is now popular with farm mothers and daughters, as well as the dads and sons. The 12th annual model kitchen will present new ideas and new equipment that will help beautify and save labor in farm homes. New methods and equipment designed for utilization of electricity will be of special interest to thousands of Kansas farm people who have recently had electricity made available in their homes.

Success and increasing popularity of the great Wichita show during its 38 years of existence can be attributed largely to the fact that it is located in the heart of one of the richest agricultural territories in the United States. Undoubtedly this area is far ahead of most other regions in being quick to take advantage of phenomenal farm machinery developments, wrought by machinery manufacturers during the last quarter-century.

A "co-feature" on the Wichita program for the 4 days, is the 14th annual Southwest Road Show and School. Because of its location at the crossroads of many national highways, Kansas is also a logical place for a show of this kind. This region has been called the most nearly invulnerable part of the country, and road building is taking its place as an important part of national defense.

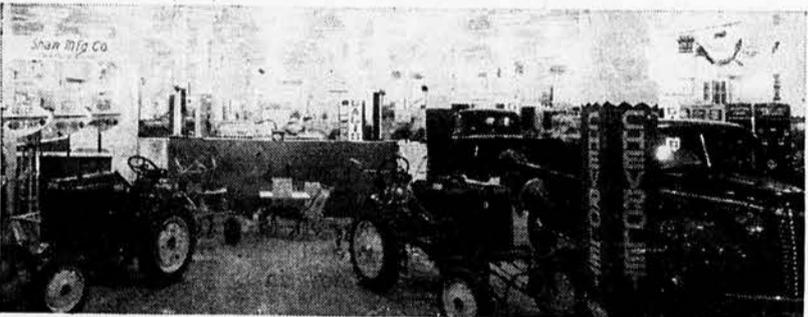
To facilitate marketing of farm products thruout this area, there is a constant demand for better township and county roads, to join in with the arterial highways in completing a valuable web of transportation facilities. Hundreds of Kansas farmers serving on township boards or as county commissioners will be present to see the new road equipment and road exhibits. Plan to be among the throngs in Wichita, February 18 to 21, inclusive, and see the latest in farm mechanics.

The big equipment show does not overlook entertainment of farm women. Here is the "model kitchen" displayed at last year's event.

Preparing for the nation's largest power farm equipment show is no small job as evidenced by activity in the office of Fred G. Wieland, secretary-treasurer of the big event at Wichita. At left is his secretary, Gertrude Gibbs, and at right is Elsie Short, seen helping with the secretarial duties.



Scene of the 38th annual Western Tractor and Power Farm Equipment Show is this mammoth Forum Building of Wichita.



Two floors, totaling 1 1/2 square blocks of space under cover, will be loaded with sights for machinery lovers at Wichita, February 18 to 21.



# Comment

By T. A. McNeal

I HAVE been asked to give my recollection of the Comanche Pool.

This was the largest cattle pool in the West and, I think, built and maintained the longest barbwire fence in the United States, but of this I am not certain and, therefore, only state it as an opinion and recollection. The founder of this great cattle pool was a cattleman known all over the range, Jess Evans. He had the largest individual herd of cattle in Kansas, but his cattle also roamed over a considerable part of the Cherokee Strip. He built extensive headquarters near the center of Comanche county, then unorganized, and finally decided that by getting together a number of other range cattlemen a considerable saving might be effected.

As a matter of fact, there had been attempts to organize such a pool during the decade from 1870 to 1880, but they had not been particularly successful. In forming the pool, Jess Evans had the co-operation of Wylie Payne, who had served as a member of the Missouri legislature and was a man of great force of character, ambition and courage. When the first bank organized in Medicine Lodge by a man by the name of Hickman failed, a new banking organization was formed with Wylie Payne as president, and George Geppart as cashier.

Wylie Payne, who also held the position of president of the Comanche Pool, came to Medicine Lodge and became actively interested in managing the bank. The banking enterprise resulted in one of the great tragedies of the frontier town. The cashier, Geppart, became short in his accounts and, apparently fearing exposure and prosecution, consented to permit the robbery of the bank by a gang of desperadoes headed by the city marshal of the border town of Caldwell, Henry Brown, and his deputy marshal, Ben Wheeler, together with a couple of cowboys from the T-5 range by the names of Smith and Wesley.

The plan was to have the bank robbed on a certain day when President Wylie Payne was absent, engaged in shipping a trainload of cattle from Harper, the nearest railroad point, to Kansas City. It so happened that on that day it was raining so that it was difficult, if not impossible, to load the cattle, and also word from Kansas City contained the news that the market was off. So President Payne decided to postpone the shipment for a day or two and re-

## Old Sol's Smile Then and Now

By ED BLAIR  
Spring Hill, Kansas

You may think you can fool us Old Winter by staying  
Away from us now when there ought to be sleighing,  
A tricky old season but some know you well,  
But few who have studied you ever can tell  
Just what sort of weather you have now in mind,  
But hope—yes we hope that to us you'll be kind.

Once a long time ago—it may come again too—  
Old Sol smiled the sweetest a lover could do;  
The smile, was for June, but a blizzard arrived,  
Old Sol with low zero that day had connived,  
And the cattle, on prairies, and folks on the plain  
Were unable, such weather, to shelter attain.

I am for you Old Sol—and I love your broad smile—

But I'm keeping my overcoat handy, the while  
And my overshoes too, with the buckles that hold,

The kind that are needed to keep out the cold.  
Oh! Say dear Old Sol—We have radios here,  
Can't you give us a tip ere the change comes,  
Old Dear?

turned unexpectedly to Medicine Lodge on the day the planned robbery was to take place.

Brown, Wheeler, Smith and Wesley arrived all right just at the time the bank was supposed to open. Geppart had all the cash spread out on the counter when the bandits arrived. The plan was to permit the bank to be robbed and the shortage to be accounted for by the robbery. However, Wylie Payne was not notified of this arrangement and had no information about the shortage of the cashier. He was a man of great courage and decision. When the bank robbers came into the bank, Wesley went to the president's window and had his "45" within perhaps 2 feet of the back of Payne's head while Wheeler was covering the cashier at his window. When Wesley ordered Payne to throw up his hands, instead of doing so, Payne grabbed for his revolver and Wesley shot him thru the back, breaking his spine but not killing him instantly.

Evidently the bank robbers believed that they had been double-crossed and immediately Wheeler shot Geppart thru the heart. The shooting roused the town. It happened that a number of cattlemen were waiting for the rain to cease so they could go on a roundup. The bank robbers concluded that they must make a run for escape. They were instantly pursued by 25 or 30 mounted and armed cattlemen and all of them captured. Brown was shot dead near the door of the little cottonwood jail, and Wheeler, Smith and Wesley were hanged to the limb of an elm tree.

However, before this occurred, Payne had purchased the paper called the Index and was also a prospective candidate for the legislature and still actively interested in the proposed Comanche Pool. In the issue of the Index under date of January 6, 1881, files of the State Historical Society, is found the following news item:

"This week we present our readers with the brands, earmarks, etc., of the Comanche Pool. This pool is composed of 15 different individuals holding cattle in that county, and was organized for mutual protection and to promote the raising and breeding of cattle. In this pool are 26,000 head of cattle, and some 20 brands are represented. All expenses of herding, etc., are paid by the pool and are borne in equal proportions. Every 6 months a balance sheet is struck and a settlement made with each member. The names of the individuals composing the pool are Evans, Hunter & Evans, R. W. Phillips, Wylie Payne, R. Kirke, C. W. James, Fred Taintor, George Cuttriff, J. B. Doyle, John Wilson, J. A. McCarthy, W. R. Colcord, Tom Doran, J. W. Rawlins, C. D. Nelson, and William Blair. These gentlemen have all been engaged in stock raising for many years and thoroly understand their business. Wylie Payne is president of the pool."

The pool grew rapidly during the years 1881, 1882 and 1883. On April 30, 1884, Payne was fatally wounded. Geppart was killed almost instantly in the bank robbery mentioned, and then came the terrific winterkill of 1885-86 when nearly all the range cattle either died of starvation or were frozen to death. It was a body blow to the great pool and on top of that, President Cleveland ordered the fences built on government lands torn down.

The Comanche Pool is now and has been for a generation only a memory, but in its day it was the largest cattle pool, I think, in the United States or the world.

## An Undelivered Deed

I HAVE been told that a deed not delivered before death is not good. I have a deed made out 2 years before my father's death which was held by the bank to be delivered after his death. It was notarized and legal in every way, but the banker said I can't sell or give a clear abstract because the deed was not delivered before

death. There were no debts against my father or the real estate.—W. A. B.

The attorney advised you correctly when he said in order to make a deed valid it had to be delivered before the death of the grantor. It would not be necessary that it be recorded but it should be delivered.

## A Deficiency Judgment

IF A PERSON has a deficiency land judgment against him in Oklahoma and leaves Oklahoma, and buys a farm home in Kansas, can the holder of this deficiency judgment collect on this judgment from personal or real estate holdings?—Subscriber.

If a deficiency judgment is obtained in Oklahoma and the party against whom such judgment is obtained moves out of Oklahoma, collection could not be made in the state to which he moved without bringing suit in that state. Copy of the judgment might be made the basis of a suit in the state to which he moved and judgment taken in that state.

## Husband Will Inherit Half

I HAVE grown children and some property in Missouri. I wrote a will leaving the property to my children. Later I came to Kansas and married again. If I should die could my husband hold any of the property or would the will hold good?—N. B. S.

The mere fact that you made a will in which you intended to convey your property to your children by your first marriage, but did not actually convey it to them, would not prevent your husband in Kansas from inheriting half of your estate whatever that might be. If you had actually deeded this property to your children by your first marriage and delivered the deed to them and had it recorded, in that event they would be the owners of it and your second marriage would not in any way affect their rights, but apparently you did not do that.

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# HEADLINE EXHIBITS

## At Power Farm Equipment Show

By **RAYMOND H. GILKESON**

**E**FFECTIVE new improvements, conveniences and brand new models await the pleasure of Kansas farm folks at the annual Western Tractor and Power Farm Equipment Show at Wichita, February 18 to 21. Everybody is invited to see how well the great farm equipment industry is prepared to do its part in aiding agriculture in its tremendously important part in the preparedness drive.

Experts will be on hand—top men from factory and distribution plant—to explain about the new equipment and to answer the questions which are bound to count up into the thousands. A "preview" of tractors and implements to be exhibited at Wichita, shows that manufacturers have stressed economy of operation, long life of equipment, ease of handling, safety for operators, speed, time saving, more power, better engineering to fit the job, and a host of other features which can best be appreciated by seeing them at the Wichita show or at your own local dealer's. Here are some of the highlights of the coming Wichita show:

**ALLIS-CHALMERS**—A new tractor, with "sealed reservoir" bearings that seldom, if ever, need regreasing, will headline the Allis-Chalmers Wichita Power Show display. The new tractor is a 2-row model, including lights, starter and air tires. Known as the "Model C," the tractor also introduces a new type of "interchangeable" hand or hydraulic lift which is used with matching tool bar implements mounted on the tractor. The tractor's "combination lift assembly" eliminates the need for a special power lift for each implement.

Included in the family of implements for the new tractor are 2- and 4-row planters and cultivators, with a special 4-row attachment for beets, beans and vegetables. Shovel spacing is variable at intervals of 1 inch. Also numbered among the Model C implements are a single-bottom pick-up plow and lister with planting attachment available.

The tractor also features "castered" front wheels which apply the simple principle of an ordinary caster to achieve easy steering and an 8-inch range of instant dodge in cultivating.

Look for the Allis-Chalmers new forage harvester. This revolutionary new machine will be on display at the Wichita Power Show. If test models prove successful this year, the end of man-handled roughage may be in sight.

Grass silage struck the spark that touched off the "roughage revolution." If chopping in the field is the answer for grass silage, why not use the same machine for all roughage, it was reasoned. Forage crops handled by the new forage harvester include grass silage, dry hay, corn and sorghum silage, fodder and straw after the combine. The machine chops grass silage fine, into short lengths necessary for good keeping quality, mowing the crop green for ensiling with molasses or other preservative. It also picks up the wilted crop from the swath or windrow, in which case a preservative may not be needed. Homegrown preservatives such as Atlas sorgho or ground grain may gain recognition.

The pick-up attachment and sickle being interchangeable, more positive control is established over both green and dry hay, offering the choice of harvesting at any desired stage in the curing process.

The new forage harvester operates from the power take-off of smaller tractors, elevating the chopped material into a trailing wagon. It is a "1-man" machine. A small blower or elevator can be used to deliver the

chopped roughage into the silo or hay-mow.

Fodder or green corn for silage may be fed into the machine in the field. Rivaling pick-up balers, the forage harvester compacts windrowed straw or hay into approximately as little space as baled hay, bringing relief to overcrowded haymows. If the general practice of chopping all roughage in the field takes hold, we may be on the threshold of a new science in farming.

**J. I. CASE**—New comfort, convenience, capacity, flexibility and economy are built into the Case "S" series tractors making their bow before the farm machinery trade. This series consists of an all-purpose "SC," a 4-wheel "S," and an orchard model "SO." The series embodies a new Case-designed, Case-built engine which gives the tractor power and flexibility in meeting both good and bad field conditions—and small and big loads. With governor control at all speeds and 4 gears, light loads can be carried at about half normal speed, with fuel and oil economy and reduced wear and tear. While the "S" series is completely new, the general layout of the 4-speed gearset, differential and final drive are a continuation of the Case power-saving chain drive transmission. Power take-off and steering gear are enclosed and lubricated in the same oil bath. Safety and convenience features are outstanding.

New also is the smaller Case tractor, 1-2-plow size, and a full line of "easy-on, easy-off" implements. This new Case power unit is built and equipped for every power job on the small farm from plowing and cultivating to grinding feed—this is the new Case Model "VC" general-purpose tractor. It also is available as a straight 4-wheel tractor, the Model "V." The "VC" is a complete tractor, pulls a 1- or 2-bottom plow, disc, drill or any other pull-behind implement, and pulls them with a swinging drawbar which automatically locks into position when backing. Virtually all of the operating conveniences of larger Case tractors are retained in the new "V" series.

The Flambeau Red family of tractors gains a senior member with announcement by J. I. Case Company of

a new Model "LA" to succeed the veteran Model "L" which has been bellwether of the Case line since 1929. Even the most minor of details is worked out to perfection, which may be taken as a symbol of the whole tractor—a heavy-duty power plant ready for long service at low upkeep, with the utmost in comfort and convenience.

And here is a new development in hay making. Ready-sliced baled hay, latest development in the new emphasis on forage crops and forage feeding, makes its bow with announcement of a new and novel continuous-feed, blockless pick-up baler by the J. I. Case Company. Created mainly for growers of small and medium hay acreages, the new baler turns out a bale of "sliced" hay which easily falls apart when the ties are snipped. It is something that will get a lot of attention at Wichita.

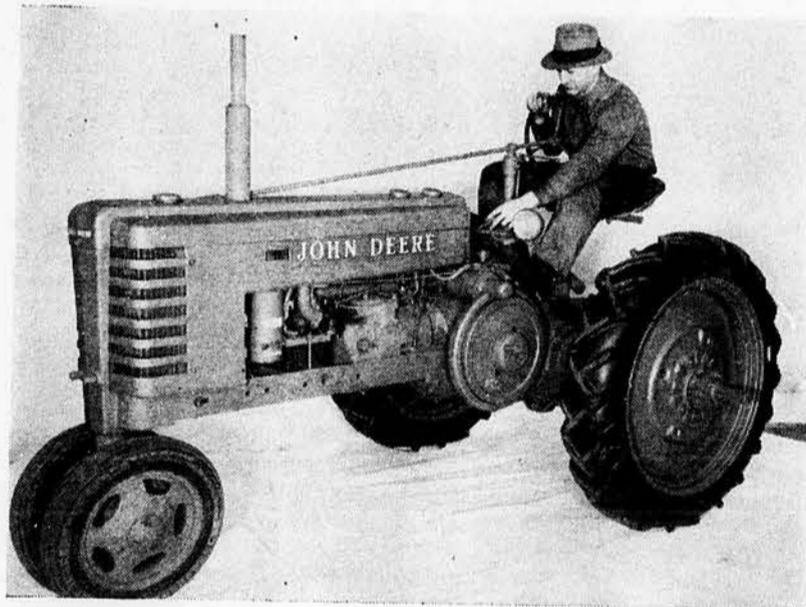
**FIRESTONE**—Note the "fit-to-the-job" Firestone tires on various equipment at Wichita. The new style farm implement tire is a 5-rib tire designed for free-rolling implements and has

just been added to the Firestone line in all sizes. It is built with self-cleaning construction and is strongly braced to prevent side slippage. Firestone has out a new "Spade Grip" tire this year, built with a center spear bar, pointed for better penetration of hard soil. The spear bar also provides easier riding and will give improved road wear. The shoulders of the tire are heavily buttressed to prevent undue flexing which might lead to breakage.

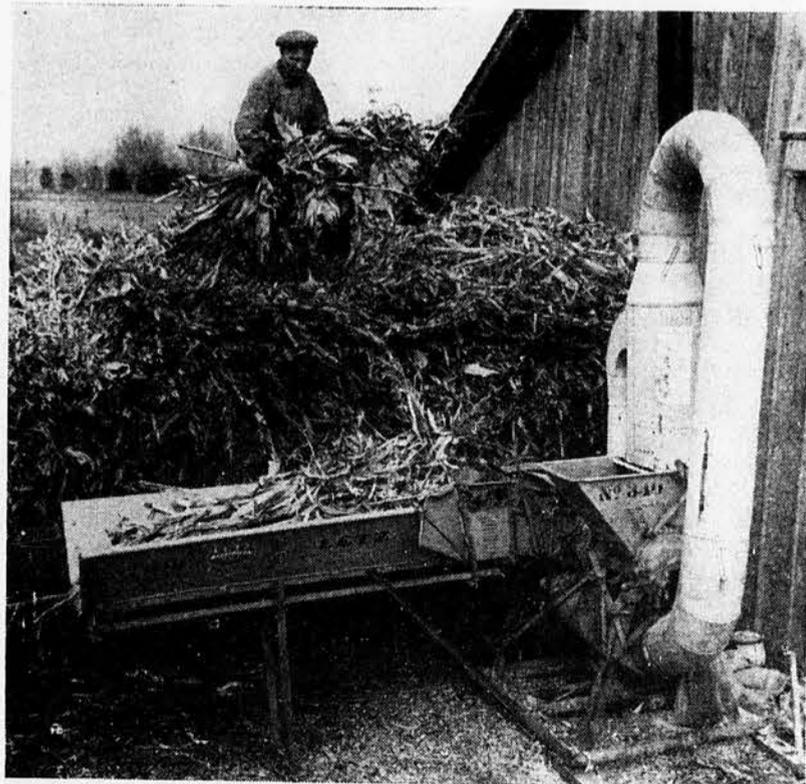
**GLEANER**—The 1941 Gleaner Baldwin 12-foot combine is equipped with V-belts. This is another forward step by this manufacturer. V-belts have been used for several years on the smaller sizes, have become popular with users, but now for the first time the V-belt drive is supplied for the 12-foot machine at no additional cost.

The principal high-speed drives now equipped with V-belts are: Motor to countershaft, countershaft to cylinder and countershaft to separator. Gates belts are supplied, also malleable hubs with gray iron sheaves which are bolted to the hub with steel bolts. This is a stronger unit. It is so designed that by reversing the position of the cylinder drive sheave on the countershaft and the cylinder sheave, a correct speed of 900 r. p. m. is attained for threshing kafir and milo.

The Gleaner Baldwin has a cylinder bar of dropped forged steel, direct feed from auger into the cylinder, 2-fan system of separating and cleaning.



The John Deere Model "H" tractor equipped with new electric starting and lighting equipment; also available is a new hydraulic lift. Models "A," "B" and "D" also carry starting and lighting equipment either singly or in combination.



Letz Manufacturing Company will exhibit this new Model 340 mill at the Farm Power Equipment Show at Wichita. It is a big capacity, hay-fodder chopper, silo filler and grain grinder when operated by any good 2-plow tractor.

Self-starter and generator are regular equipment with the Model "A" Ford industrial engine which powers the 12-foot and also the 9-foot combine.

**GOODYEAR**—Newest type of farm tires produced by the Goodyear Tire & Rubber Company will be seen on a good deal of equipment at the Wichita show. Goodyear Sure-Grips on the rear and Hi-Ribs on the front put many a Kansas tractor in condition to do any farm job, be it harvesting, hauling and spreading fertilizer, cutting hay, baling hay, combining, terracing, leveling land or jumping from one farm to another for work, with no slow-up on the highways. Ask Goodyear folks at Wichita, or your local dealer, about adding extra tire weight.

**INTERNATIONAL HARVESTER**—Last year the International Harvester Company came out with an entirely new Farmall and crawler tractor line. Now it is announcing a new standard tractor line, Models W-4, the W-6 and the WD-6 Diesel. Two orchard and grove tractors, the O-4 and the O-6, are also being announced. All are operated by 4-cylinder engines. Like the Farmalls and the TracTracTors previously announced these new tractors are pleasingly styled and finished in attractive Harvester red. The W-4  
(Continued on Page 37)

# What Crops To Grow in 1941

By L. E. CALL, Director  
Kansas Agricultural  
Experiment Station

**C**ROPS that should be grown in Kansas in 1941 may be determined by answering correctly 2 questions: (1) What crops grow the most successfully upon your farm? (2) What crops can you utilize or dispose of most advantageously?

While the correct answer to these questions will vary somewhat from farm to farm and from section to section thruout the state, it will be found that there are some crops that will appear frequently in the lists of crops prepared as correct answers to these questions by Kansas farmers. The crops that will appear most frequently in such lists are the sorghums, alfalfa, wheat, and some small spring grain such as barley or oats. In addition, the names of such crops as flax, sugar beets, soybeans, lespedeza, Sweet clover, and a number of grasses such as Brome grass, meadow fescue, and Orchard grass, will appear where farms are especially well adapted to the production of these specialized crops.

The main reliance should be placed upon the 3 crops that will appear most commonly—the sorghums, alfalfa, and wheat. There are important reasons why Kansas farmers should place their greatest reliance upon these 3 crops.

First, let us consider the sorghums. I refer to these crops collectively, because by the term "sorghum" I mean the various crops of the sorghum family. In this family are found the kafirs—Blackhull, Red, Pink, Club, and others; the sweet sorghums including Atlas, Sumac and Orange; the milos, that include Finney, Colby, Wheatland and Sooner; and other members of the family such as Sudan grass and Broomcorn.

The particular member of the sorghum family to grow must be determined by each individual farmer and will depend upon the location of the farm, the purpose for which the crop is to be utilized, and the personal preference of the grower.

Sorghum crops have demonstrated their ability to grow and produce satisfactory yields under unfavorable conditions. Some member of the family can be chosen that will do well in any section or on almost any farm in the state. They produce heavy yields of grain under favorable conditions, and under unfavorable conditions they can nearly always be counted upon

Sorghum crops have demonstrated their ability to grow and produce satisfactory yields under unfavorable conditions. Above is a field of Blackhull kafir.

to produce rough feed. The seed, grain and stover, produced by these crops is nutritious, of high feeding value and is a dependable source of supply.

Another reason why the sorghum crops should rank high among the crops to grow in 1941 is that these crops afford the most profitable return when they are utilized by livestock on the farms upon which they are grown. It appears at this time that crops marketed thru livestock in 1941 will afford a greater opportunity for profit than crops marketed in any other way.

I place alfalfa second on the list, altho alfalfa planted in 1941 affords little, if any, opportunity for a cash return in itself this season. Nevertheless, alfalfa is so valuable and the acreage of the crop in the state so low that there should be no further delay in increasing the acreage. The preparation of a good seedbed,

the proper fitting of the land, and correct seeding practices will nearly always assure a stand of alfalfa even under adverse climatic conditions. Alfalfa established in 1941 will supply feed of high nutritive value for several succeeding years and will encourage livestock production, thus placing the farm in a better position for profitable returns in the future.

New seedings of alfalfa may be used to help meet the soil conservation program for the farm and thus increase the benefit payments. When considered from a long time point of view, alfalfa is one of the most valuable crops to plant in 1941.

Wheat is given an important place among the crops to grow in 1941, recognizing that there is more wheat in storage at this time in North America than at any other time in history. Wheat, however, is so well adapted to the soil and climatic conditions of Kansas, and the farms of the state are so well equipped with wheat producing machinery that the crop should continue to [Continued on Page 35]



Crops marketed thru livestock in 1941 will afford a greater opportunity for profit than crops marketed any other way. Above, pigs graze on alfalfa.

# Hybrid Corn Takes the Lead

By ROY R. MOORE

WITH cornfields so full of moisture a jack rabbit would mire down—that is if there isn't a heavy freeze on you read this—farmers likely are not giving much thought to planting corn. But it will not be many weeks until seedbed preparation is under way. This statement is somewhat predicated on whether the weather man lets up and gives Kansas some drying days in early spring. At present, most of the state is dripping wet with snow and rain and, to some old timers, it looks like a late planting season.

Everyone realizes that plenty of winter moisture does not guarantee a corn crop in Kansas. Those hot July and August seasons we have been tolerating the last several years, generally speaking, would blight a corn crop no matter how much moisture fell during the winter. But it is comforting to know this year there will be enough moisture to get corn off to a flying start.

The right kind of seed to select is a pertinent question as usual. It is pretty well taken for granted that hybrid corn will outyield open-pollinated varieties under most conditions, although one of the commercial companies will claim that their products will stand devastating heat and drouth indefinitely; just a little longer than open-pollinated corn.

Those facts were brought out last year by results of the state corn testing experiments in several parts of the state, now ready to be made public by the Kansas State Experiment Station at Manhattan under whose auspices and direction the tests were made.

The plots for the experiments were at Atchison, Brown, Shawnee, Franklin, Sumner, Bourbon, Marion and Neosho counties among others. The seed was supplied by several hybrid companies.

In 6 counties the yields ranged from fair to good. Two were poor—Shawnee and Sumner. The drouth factor made some difference in every county with the possible exception of Atchison where rains fell at about the right time during the growing season.

And here is the significant thing about every test: The average of the yields of the hybrid varieties were far higher than the open-pollinated corn!

And this in face of the fact that there were a lot of inferior hybrids entered the contest. The better-known commercial hybrid companies that have been providing seed for several seasons had much better records than the companies that are still experimenting with the right type of corn for this state.

That statement is not true 100 per cent, for one company made an excellent record altho some trouble was experienced with this company's test as regards fallen stalks.

It would take several pages to give complete results in every county, so large were the number of entries and voluminous each report. For comparative purposes, only the average

yield of the hybrids and open-pollinated varieties are given in the table:

County	All Hybrid Average Bu. Per Acre	Open-Pollinated Average Bu. Per Acre
Shawnee	6.86	4.24
Sumner	28.95	27.77
Marion	26.81	20.88
Bourbon	24.94	21.78
Neosho	49.73	43.47
Atchison	60.7	46.4
Brown	33.9	27.3
Franklin	25.53	18.03

As was predicted last fall, most farmers made arrangements then to obtain hybrid seed, since the supply for this season was cut short by dry

weather in several big corn states. I have not contacted the bigger companies recently, but I imagine they still have some seed left, altho doubtless in limited quantities. The dealer or agent in your vicinity will be able to enlighten you on this statement.

And you likely can get the complete results of the various county tests by writing the Kansas Experiment Station at Manhattan.

## Farmers Study Machines

John M. Ferguson, extension specialist in farm machinery, announces a series of winter meetings for 5 Kansas counties. Conducted co-operatively by the extension service and local agencies, the meetings will provide worthwhile information about tractors and

implements, for every Kansas farmer. First meeting will be in Ellsworth county on February 24. The next will be in Lincoln county on February 25, followed by Ottawa county on February 26, Mitchell county on February 27, and Cloud county February 28.

Each meeting will begin at 10 o'clock a. m. with a general discussion on care, repair and cost of operating farm machinery, by Mr. Ferguson. The hour from 11 to 12 at each meeting will be devoted to inspection of implements.

Afternoon programs feature a talk by L. C. Aicher, superintendent of the Fort Hays Experiment Station, who will discuss selection and proper use of machinery to assist in the conservation of soil and water. Tractor fuels and lubricants will be discussed by C. N. Hinkle, of the Standard Oil Company.

**At the time this advertisement was written . . . the results of the 1940 Official Kansas Corn Yield Tests had not been released.**

**However, the fact that for the third consecutive year**

# PIONEER 307

**was the highest yielding hybrid, as an average of all plots in the Official Nebraska Corn Yield Tests. . .**

**And the further fact that**

# PIONEER 332

**made the outstanding record in the 1940 Official Missouri State Yield Test . . . when yield and stiffness of stalk are considered. . .**

**Cause us to look forward to the release of the Kansas results with confidence.**

*Fortunately, very limited amounts of both Pioneer 332 and Pioneer 307 are still available.*

## GARST & THOMAS

HYBRID CORN COMPANY

COON RAPIDS, IOWA

**Watch for the results of the 1940 Official Kansas Corn Yield Test, which will be released in the near future.**

## Simple Meat Recipes

Some of the delicious yet easily prepared recipes in the new booklet, "Medley of Meat Recipes," are Scotch Stew, using lamb neck and shank; Country Boiled Dinner, using 1½ pounds country-style backbones; Baked Sausage Patties; Spanish Casserole, using sausage. There are 40 pages of recipes, richly illustrated, and many suggestions helpful to the cook. A free copy of this booklet will be sent to any reader upon request to Bulletin Service, Kansas Farmer, Topeka, Kansas.

# WHY WE DON'T TALK HORSEPOWER

**but principles ..**

At the wheel of a Ford tractor with Ferguson system you are in command of something bigger than horsepower. You are *master of a new principle of farming*. The easiest word to say about any product is *better*. We don't ask you to take our word that this product is better. We do ask you to realize that it is *different*.

The Ford tractor with Ferguson system is different because we set out, not just to make another tractor, but to make farming profitable. To do that we had to throw overboard all the old ideas about pulling and controlling the basic implements of farming.

We make tractor and basic implements one operating unit, easy to operate and control, and performing an incredible amount of work.

**and flexibility ..**

In fact, and in the experience of 37,283 farmer-owners, this tractor will do *all kinds of farming on all kinds of farms* as it has never been done before by anything, horse or machine. It farms the way you have always wanted to farm.

The net of it is that the Ford tractor with Ferguson system is made to fit *your farming*. No longer are you at the mercy of the limitations of your equipment. This tractor makes *you the manager*.

**and cost of crops ..**

In our book, nothing counts unless the farmer makes a profit. You can do that only one way: by cutting costs. The principle which we have built into the Ford tractor with Ferguson system makes your equipment so efficient that you have lower investment, save fuel, make time, and increase your yields.

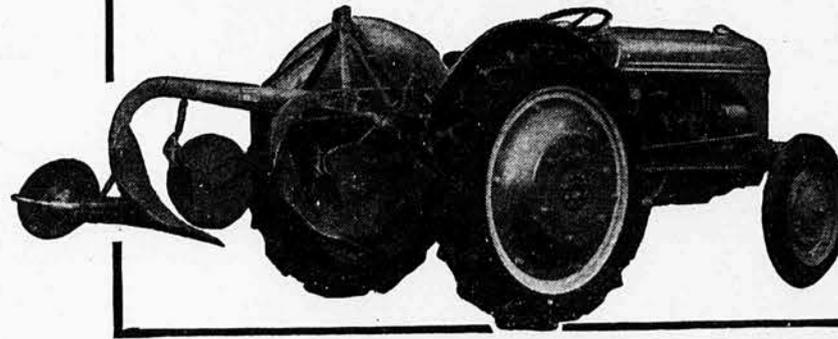
Our purpose is to make family farming both profitable and interesting. We know we have the answer.

You'll know we have the answer when you get a demonstration of this utterly different equipment on your own farm. No words can describe this great advance in farming method. See for yourself. Ask the nearest dealer to show you . . . everything!



© Ford Motor Co.

The Ford tractor with Ferguson system is sold nationally by the Ferguson-Sherman Manufacturing Corporation, Dearborn, Michigan, and distributed through dealers in every part of the country.



## BETTER EQUIPMENT IN USE

### Led By Rubber Tires

By E. L. BARGER and J. W. MARTIN  
Kansas State College

WE HAVE seen a lot of new developments in farm machinery in the last 10 years. Rubber tires, small combines, lister-dammers, small tractors, pick-up hay balers, field ensilage harvesters, new metal alloys, and the use of welding in machine construction, and high-compression tractors, to mention only a few of the outstanding ones. Some of these are real new, and it takes more than a year or two to determine the significance and value of such developments. It takes time to tell how generally a new piece of equipment will be accepted, how it will fit into the farm picture.

Rubber tires have met the test and unquestionably they should top the list as being the most important development in farm machinery in the last 10 years. In this length of time rubber tires have grown rapidly in importance as tractor equipment. Manufacturers of wheel-type tractors are reporting as high as 98 per cent of the tractors leaving their assembly lines on rubber. In some farming territories, tractor sales on rubber are near the 100 per cent mark.

The design of tractors has been influenced by rubber tires. The qualities and characteristics of rubber tires have permitted designs that were not practical when steel wheels and lugs were used. In other words, the tractor has been improved because of rubber tires. Not only has the outward appearance of the tractor changed, but things have happened to the insides that the eye cannot see easily. The shock-absorbing qualities of the rubber wheel equipment have desirable effects that are carried up thru the final drive, the transmission, the clutch, to the engine. New designs of these tractor parts have been made possible due to rubber tires.

When an improvement is accepted as widely as has been the acceptance of the rubber tractor tire, it must have merit. Experimental work has been in progress for nearly 10 years in the agricultural engineering department at Kansas State College, testing and studying the performance of rubber tires on farm machines, trying to measure and evaluate their advantages as well as their disadvantages. Changes and improvements have come so thick and fast since agricultural rubber tires were developed that it has been nearly impossible to keep up. No sooner is a set of data completed than a new and better type of tire is on the market, or a different model tractor is announced, or a new machine mounted on rubber is on the market.

Results of tests to date give us some facts that explain to a large extent the rapid acceptance of rubber-tire equipment on tractors and farm machines. The main advantage lies in their low rolling resistance. Less power is required to roll them over the ground. Under normal field conditions they roll 50 per cent easier than steel wheels. This saving in power to propel the tractor makes available a greater proportion of the tractor engine power at the drawbar. When rubber tires are used on combines the draft will be reduced as much as 50 per cent.

There is a saving in tractor fuel of from 10 to 25 per cent and averaging about 15 per cent over the year's work. This is due to the decrease in rolling resistance, and also to the fact that higher speeds are possible, permitting more efficient loading of the tractor engine and getting the job done in less time.

For easy riding and comfort to the operator, the rubber tires are better. Steel wheels with lugs have a tendency

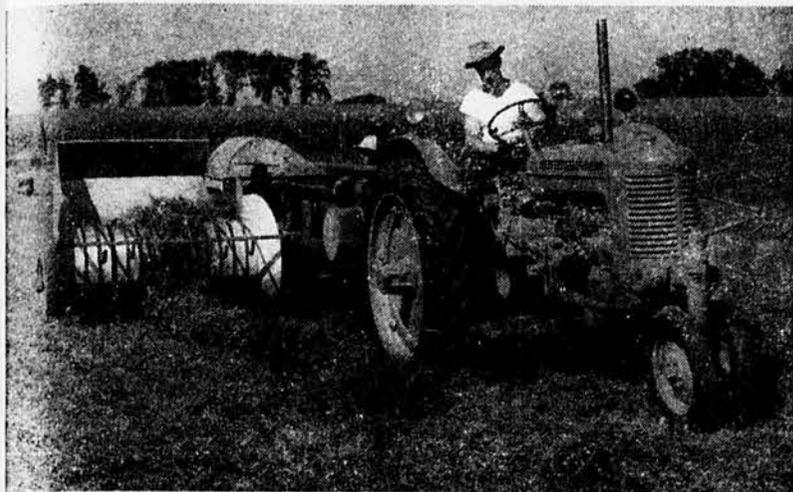


Small tractors fit small farms, as well as light jobs on big farms.

Side-delivery rakes are well suited to tractor power. The tractor rake has a 4-bar cylinder.



GETS ALL YOUR WORK DONE ON TIME



With this new, high-speed, continuous-feed, blockless pick-up baler, hay growers can bale at the same speed with which they mow and rake. Furthermore, the hay is ready-sliced for better curing and easier feeding.

pick up dirt and create dust, while rubber tires do not.

In hayfield work, rubber tires are superior. They do not damage the hay and are capable of higher speeds than are desirable in many haying jobs. For road hauling over hard-surfaced roads they are better than any other type of equipment.

When the tractor wheels are properly weighted, the tractive efficiency of the rubber tractor tire is higher than steel wheel equipment. The rubber tire is at a disadvantage, however, when the ground is wet, slick on top, or covered with a heavy growth of green vegetation, unless chains are used.

The time loss going from and to the field is greatly reduced with rubber on both the tractor and implement. This becomes an important factor when the farm is not a compact unit.

Vibration, shock and jar are reduced, making for greater operator comfort and protection of the machine.

Rubber tires are more difficult to keep on listed ridges than steel wheels and are more difficult to bring back on the ridge once they have slipped off. If the ridges are made flat on top, the trouble is minimized, and if dual tires are used, the performance on ridges is better than steel wheels.

Users of rubber-equipped tractors are reporting more hours of annual service from their tractors. Their greater flexibility and adaptability simply permit their use for a greater number of jobs. Added hours of productive use mean lower unit cost of operation.

The cost of the rubber-tired tractor is 15 to 20 per cent greater than when steel-wheel equipped. The puncture hazard and wear and replacement problems are not negligible, but they are by no means as serious as one could imagine. The added cost is partly offset by a fuel saving and with good management it may completely cover their cost. With reasonable care the tractor tire life appears to be about 6 to 8 years, and longer under good care and favorable conditions.

Farmers like tractors equipped with rubber tires. Government figures show 75 per cent of the wheel-type tractors sold in 1937 were equipped with rubber. In 1938 the percentage was 68, and in 1939 it reached 85 per cent. The 1940 figure is expected to be well above 85 per cent.

Not only was the rubber tire responsible for streamlining the conventional tractor, but it made possible and practical the small 1-plow baby tractors. These small units have met the needs of the small farm and have shown up to good advantage on large farms on many of the light jobs. Row-crop cultivation, and most of the haying jobs, fall within its power capacity. They will do the work of 2 to 4 horses. The small combine was developed and almost unbelievable numbers of them sold in the last 10 years. While the small combine is in itself an important development, the fact remains that the rubber tire was a contributing factor in its success. With only 40-inch to 6-foot cuts, capacity is de-

1940 seasons 425 small combines, mostly 5- and 6-foot machines, averaged 263 acres to the machine a year.

In the development of the small combine we have witnessed another chapter in the history of the harvest. We have come a long way from the hand sickle, the scythe, and the cradle.

There has been much work done and some evidence of results in the development of equipment for easier, cheaper silage making. Only recently there has appeared on the market machines for harvesting and chopping in the field, grass crops for silage. There is a need in Kansas for a similar low-cost machine that will handle corn and sorghum silage crops. With the small 2- and 3-plow tractor for power and such a machine, silage can be put into the trench silo at a remarkably low cost to the ton and a minimum of heavy manual labor. The field ensilage harvester has a promising future in Kansas. The farm truck may enter the picture to draw light rubber-tired trailer racks mounted on old car frames, back and forth from the field cutter to the silo. This plan has merit that may replace binder-cutter methods on the back-breaking job of lifting heavy green bundles. Again the success of this development is closely tied up with rubber tires.

Another development that is too new to evaluate its importance is the field baler or pick-up hay press. Rubber-tired tractors are efficient

(Continued on Page 25)

**AMAZING!**  
**NEW INVENTION BRINGS SCENIC PICTURES TO LIFE!!**

See Hawaii, the Grand Canyon or 173 other scenic wonders on VIEW-MASTER 7-scene, changeable reels. Realistic color in 3rd dimension. Objects "stand out" one ahead of the other. Thrill friends with stereoscopic scenes.

IN STEREO SCOPIC 3rd DIMENSION NATURAL COLOR KODACHROME



**SEE FOR YOURSELF!**

Write for "STARTER SET" containing VIEW-MASTER and one 7-scene reel... \$1.50 postpaid. Additional Reels 35¢ for \$1.00

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SAWYER'S Dept. KF-1

725 S. W. 20th PLACE - PORTLAND, OREGON

**IRRIGATION PUMPS**



Western Centrifugal and Turbine Pumps for deep well, shallow well or river pumping. Write for catalog and complete information.

Western Land Roller Co., Box 16, Hastings, Nebr.

**PRICED JUST ABOVE THE LOWEST!**



COMPARE DE LUXE MODELS OF LOWEST-PRICED CARS WITH THE BIG, LUXURIOUS, QUALITY-BUILT OLDS SPECIAL. YOU'LL FIND BUT LITTLE DIFFERENCE IN PRICE, BUT IN CARS YOU'LL FIND A WHOLE OF DIFFERENCE... ALL IN OLDSMOBILE'S FAVOR!



**AND SEE HOW MUCH MORE YOU GET!**  
100 H.P. 6-Cyl. Econo-Master Engine • 119-Inch Wheelbase  
Bigger, Roomier Fisher Body • New Interior Luxury • 4 Coil-Spring Rhythmic Ride • Famous Olds Quality Throughout

Hold Everything—before you buy that lowest-priced car! You can own a big fine Oldsmobile and still stay within your budget!

**HYDRA-MATIC DRIVE\***  
No Clutch! No Shift! Quicker response and smoother performance—with greater safety and more economy!

**OLDS PRICES BEGIN AT \$852\*** for Special Six Business Coupe, \*delivered at Lansing, Mich. State tax, optional equipment and accessories—extra. Prices subject to change without notice.

\*Optional at extra cost



**IT'S OLDSMOBILE**

**OLDSMOBILE DEALERS IN KANSAS**

- |                                       |                                       |   |   |
|---------------------------------------|---------------------------------------|---|---|
| Abilene.....R & R Oldsmobile Co.      | Elkhart.....Muncy & Sons Motor Co.    | Kinsley.....Lloyd Britton Motor Co.     | Pittsburg...The Berry-Wilbert Mtr. & Supply Co. |
| Agricola.....Mr. H. E. Robbins        | Ellis.....O'Loughlin Motor Sales      | Kiowa.....Mr. Paul E. Holmstrom         | Pratt.....Swinson Motor Co.                     |
| Alta Vista.....J. R. Cooper Motor Co. | Emporia.....Mr. Joe Jelinek           | La Crosse...Howard Cullen Motor Co.     | Russell.....Walizer Motor Co.                   |
| Anthony.....Swinson Motor Co.         | Emporia.....Davis-Child Motor Co.     | Larned.....Kirby Motor Co.              | Sabetha...Ewing Tire & Accessory Co.            |
| Arkansas City.....Holt Motor Co.      | Erie.....Mr. Roy Ewen                 | Lawrence...M. F. Hudson Co.             | Saint John...Johnson Sales Co.                  |
| Ashland.....Mr. Dennis Weikal         | Eureka.....Kniesly Motor Co.          | Leavenworth...Leavenworth Motor Co.     | St. Marys...St. Mary's Sinclair Station         |
| Atchison.....Dave Condon Motor Co.    | Flarens.....Vera Walton               | Leoti.....Western Hardware & Supply Co. | Salina.....Davis-Child Motor Co.                |
| Atwood.....Denny Motor Co.            | Fort Scott...Parks Motor Co.          | Liberal.....Doll Motor Co.              | Scandia...Anderson's Garage                     |
| Augusta.....Fowler Super Service      | Fredonia...Fredonia Implement Store   | Lindsborg...Riverside Super Service     | Scott City...Western Hardware & Supply Co.      |
| Baxter Springs...Pruitt Motor Co.     | Garden City...Nolan Motor Co.         | Lorraine...Mollhagen & Son              | Sedan.....Webber Motor Co.                      |
| Belleville.....E. C. Lynch Motor Co.  | Garnett.....Fawkes & Son              | Lyons.....Williams & Tiffany            | Seneca.....Vic's Super Service                  |
| Beloit.....Burke & Ross               | Goodland...Keppel Motor Co.           | Lyons.....J. E. Johnston Motor Co.      | Stockton...Tripp Motor Co.                      |
| Brewster.....Keppel Motor Co.         | Great Bend...Davis-Child Motor Co.    | Manhattan...Manhattan Mtrs. Co.         | Strong City...Skelly Super Service              |
| Burlington...J. O. Zscheile Motor Co. | Greensburg...Swisher Motor Co.        | Marysville...Vern Leupold Motor Co.     | Topoka...Jack Frost Motors                      |
| Bushton.....Groth Motor Co.           | Hays.....O'Loughlin Motor Sales       | McPherson...Mr. Fred D. Cook            | Ulysses...Nolan Motor Co.                       |
| Caldwell.....Motor Inn Garage         | Herington...Deal Motor Co.            | Meade.....Doll Motor Co.                | Valley Center...Valley Center Auto Service      |
| Chanute.....Ward Motor Co.            | Hiawatha...Sterns Auto Co.            | Medicine Lodge...Lodge Motor Co.        | Valley Falls...Mr. H. D. Wyatt                  |
| Cheney.....Werner Wulf Motor Co.      | Holyrood...Mollhagen Implement Co.    | Minneola...Harris Chevrolet Co.         | Wakarusa...Jamison Motor Service                |
| Cherryvale...Jack's Welding Shop      | Horton.....Edds Motor Co.             | Neesha.....Harts Tire Service           | Washington...Daylor Motor Co.                   |
| Cimarron...Vannaman's Super Service   | Hoxie.....Burkepile Motor Co.         | Ness City...Mr. George P. Lohnes        | Wellington...Sumner County Motor Co.            |
| Clearwater...Webb & Keeler            | Hutchinson...Davis-Child Motor Co.    | Newton.....McDaniel-Girndt Motor Co.    | Wichita...J. Arch Butts, Inc.                   |
| Coffeyville...Graham Auto Co.         | Independence...Orval L. Cox Motor Co. | Norton.....Brooks Motor Co.             | Wilson...South Side Garage                      |
| Colby.....Kinkel Motor Co.            | Iola.....Cyrus Motor Co.              | Oberlin...Oberlin Motor Co.             | Winfield...Jack Lane Motor Co.                  |
| Coldwater...Wilford Betzer            | Junction City...Schmedemann Motor Co. | Olathe...Sundbye & Melton               | Yates Center...Lopp Brothers Garage             |
| Concordia...Cloud County Finance Co.  | Kansas City...Davis Motor Co.         | Osborne...Sutter Service Station        |   |
| Council Grove...Mason Motor Co.       | Kelly.....Haverkamp Garage            | Ottawa...Midgahd Motor Co.              |   |
| Dawns.....Sutter Service Stations     | Kingman...N. E. Hobson & Son          | Paola.....Crawford Motor Co.            |   |
| Eldorado...Wesley Moore Motor Co.     |                                       | Parsons...West Side Motor Co.           |   |

# WHO'S WHO

## At Big Wichita Show

BY THE EDITORS

**T**HE big farm equipment show at Wichita, with all of the leading implement companies represented, brings to Kansas the high officials of these companies. The list includes presidents, sales managers, vice-presidents, advertising managers, production chiefs and many other titles, visitors seeking first-hand information to better their products. Here is a directory of exhibitors at the show, together with the executives of some who will be in Wichita, February 18 to 21.

**International Harvester Company:** This exhibit will include the new W-line of wheel-type tractors, the Farm-all line, agricultural TracTractors, dairy equipment and farm implements. Among the officials expected are H. N. Ross, district sales manager; L. W. Hulley, R. M. McCroskey, C. C. Gray, L. N. Holman and J. B. Gibbs, all of whom manage sales for different lines of equipment. The Kansas branch managers also will attend: Mr. Mullin, Salina; Mr. Wylie, Topeka; Mr. Griffin, Hutchinson; Mr. Schrader, Wichita; Mr. Davis, Kansas City, Mo.

**Minneapolis-Moline Power Implement Company:** A complete line of M-M equipment will be shown on Tractor Row. Officials and representatives who will attend include: W. C. MacFarlane, president; George L. Gillette, vice-president; B. D. Grussing, advertising manager; E. W. Ross, Moline plant manager; Martin Ronning, chief engineer Hopkins plant; A. W. Lavers, chief engineer Minneapolis plant; J. P. Seaholm, chief engineer Moline plant; F. N. Langham, southwestern division manager; H. K. Nelson, southwestern

division assistant manager; M. L. Humphreys, southwestern division sales supervisor; Frank Vance, southwestern division sales supervisor.

**Oliver Farm Equipment Company:** All models of tractors, combines, plows, hay tools, spreaders, harrows and other equipment will be displayed on Tractor Row. In attendance: C. R. Hunt, Kansas City branch manager; O. E. Magee, Kansas City branch credit manager; H. F. Hobelman, Wichita branch manager; J. A. Fix, general works manager; O. E. Eggen, chief engineer; J. R. Mohlie, industrial engineer; C. W. Johnson, plant manager; J. T. Ashton, chief engineer; J. M. Tucker, vice-president and general sales manager; William S. Stinson, advertising manager; Si Ray, J. W. Searle, W. L. Rashleigh, H. C. Whitworth and C. N. Harper, Kansas City territory.

**Allis-Chalmers Manufacturing Company:** This exhibit will include both wheel and track-type tractors, harvesters and implements. Among the officials attending will be: W. A. Roberts, general sales manager; R. R. Walker, agricultural sales manager; Louis Adams, harvester sales; A. F. McGraw, sales promotion manager; R. A. Crosby of the advertising department; C. E. Frudden, executive engineer; A. W. Van Hercke, implements; A. E. Dorn, southwest division industrial manager; E. Abramson, industrial advertising department; C. J. Scranton, chief engineer, harvester works; W. H. Tanke, chief engineer, implement works; W. F. Strehlow, chief engineer, tractor works; H. W. Lindsay,

chief engineer, road machinery. All of these are from Milwaukee. Also expected are O. J. Thomas, Kansas City branch manager; L. J. Somsen, Oklahoma City branch manager; C. W. Baker, Amarillo branch manager; A. J. Simpson, Dallas branch manager; E. L. Kirkpatrick, branch manager, Wichita.

**De Laval Separator Company:** Cream separators and milking machines will be featured in this exhibit with R. S. Ulrich, supervisor, and O. H. Bucheit in charge.

**Dempster Mill Manufacturing Company:** This exhibit will include water systems, centrifugal pumps, windmills and implements. Expected are K. A. Underwood, Kansas City branch manager; Earl Gaffney, general sales manager; and I. N. Downs, assistant sales manager, Beatrice, Nebraska.

**The American Rolling Mill Company:** This will be an exhibit of specialty iron and steel sheets, stainless steel, galvanized ingot iron, steel Zincgrip, galvanized ingot iron Paintgrip, and Armco stainless steel. Officials coming include: C. H. Malcom, agricultural markets department manager; R. A. Dadisman, market development division manager; Robert Main of the market development division; G. W. Breiel, southwestern sales division manager; Marvin Marsh, Kansas City district manager.

**Timken Roller Bearing Company:** This exhibit will be attended by S. C. Partridge, industrial sales division manager; M. H. Kuhl, assistant manager; and S. M. Wechstein, chief engineer of the industrial division.

**Tide Water Associated Oil Company:** Veedol Motor Oil and Greases and Veedol 150-Hour Tractor Oil will be featured at the exhibit. L. F. Sutton, department manager; J. S. Turner, special representative; and Charles Chambers, special representative, are expected.

**Chevrolet Motor Division of General Motors Corporation:** A full line of Chevrolet trucks will be on exhibition. Visitors include: W. E. Fish, general truck sales manager; W. V. Tomlinson, assistant; A. R. Cosgrove, assistant; M. N. Keith, regional truck manager, St. Louis.

**Gleaner Harvester Corporation:** Exhibit will consist of Gleaner Baldwin combines of all cuts. W. J. Brace, president; P. H. Knoll, vice-president and general manager; R. J. Koontz, treasurer and production manager; W. B. Chauncey, secretary; George Reuland, advertising manager; H. H. Brown, of the sales department; and T. N. Pierson, chief engineer, will attend. District managers expected include: David Fransen, Curt Williams, C. N. Brown and L. W. Howard.

**Ford Tractors:** This exhibit will be in charge of the O. J. Watson Distributing and Storage Company. Attending will be E. C. Sherman, president of Ferguson-Sherman Manufacturing Corp.; F. S. Jenkins, sales manager; J. L. Dyer, field representative, St. Louis; L. C. Hutchinson, field representative, Des Moines; P. C. Handerson, promotional manager, Dearborn.

**Colorado Fuel and Iron Corporation:** Grader blades and welded mesh wire products will be on exhibition. G. A. Sabin, advertising manager; R. R. Robinson of the grader blade department; and H. J. Davis, wire products sales manager, will attend.

**Ford Motor Company:** An exhibit of Ford trucks, commercial units and the Eaton 2-speed axle. Officials due to attend include: J. C. Doss, general sales manager; I. B. Groves, Kansas City branch manager; W. A. Williams, Kansas City assistant manager; R. W. Monk, Kansas City sales manager; H. B. Russell, commercial supervisor; and F. H. Ebbert, fleet representative.

**Wood Brothers Thresher Company:** Combines in 4-foot, 5-foot and 7-foot



## Save Dollars and Hours in '41 with these popular Standard Oil Products

● Why "shop around" for fuel for your tractor, car, or truck, or for your brooder, lamps, or stoves when your local Standard Oil man will deliver the desired fuels to your door?

Many midwest farmers answered that question years ago by becoming steady Standard Oil customers, and they have depended on their Standard Oil man for petroleum products ever since. In fact, Standard has delivered kerosene to the farm for fifty years and fuel for tractors since power farming began.

Today your Standard Oil man in his fast, streamlined truck, instead of his horse-drawn tank wagon of yesteryear, is "just down the road," ready to serve your needs, to help you save time and money. And he has, in addition to many other farm necessities, the following popular products on his truck to give you power, light, and heat:

● **STANDARD RED CROWN GASOLINE...** This highly economical, all-purpose motor fuel insures quick starts, steady power on the toughest job, and long mileage the year 'round when used in tractor, car, or truck. It is ideal in the new type of high-compression tractor, and is the two-to-one choice of midwest motorists.

● **STANOLIND GASOLINE...** Long a popular gasoline for general farm use, this quality fuel insures economical power in two-fuel tractors using gasoline. It is preferred by many who want a uniform, low-cost fuel for car and truck.

● **STANDARD TRACTOR FUEL...** For years thousands of prudent power farmers have chosen this fine fuel because of its comparative low cost. They have found it does not knock, smoke or form excessive carbon, and is ideal for all two-fuel tractors.

● **PERFECTION KEROSENE...** This kerosene has been the choice of progressive farmers for half a century. The uniform purity of this water-white kerosene makes it ideal for every use on the farm. It is a perfect kerosene for brooders, lamps, space heaters, and cook stoves.



### EVERETT MITCHELL'S ON THE AIR...

Hear this famous farm news commentator in a series of interesting noon-time radio announcements. Your Standard Oil man can tell you where and when you should tune in.

When in town, remember your Standard Oil dealer can service your car or truck at low cost.



Copyright 1941, Standard Oil Co. (Ind.)

# STANDARD OIL COMPANY (INDIANA)

cuts will be exhibited. F. J. Wood, president; R. E. Wood, vice-president; L. B. Gobel, sales manager; and H. W. Hamilton are expected to be present.

**Firestone Tire & Rubber Company:** Firestone tires will be on tractors and trucks exhibits throught the arena and on Tractor Row. Planning to attend are: C. A. Walt and P. C. Trauger, of the tractor tire sales department in Akron; J. F. Cast, head of the manufacturer's sales department; L. B. Stoneker, in charge of tractor tire sales in the Southwest; and R. F. Dickson, Kansas City representative.

**Massey-Harris Company:** The entire M-H line will be on display on Tractor Row during the show. Present will be W. K. Hyslop, general manager; E. F. Schiele, general sales manager; engineers L. E. Pfost, Ed Everett and E. A. Adams; branch manager A. Checkla; and Ed Krein, advertising manager.

**The Letz Manufacturing Company:** Frank L. Wigle, Wichita; C. C. Gremel, factory representative, Crown Point, Ind.

**Goodrich Tire Company:** P. W. Stansfield and Howard Miller, Akron; W. W. Scull and A. B. Droeger, Chicago.

**Shaw Manufacturing Company:** Stanley B. Shaw, Stanley W. Shaw, C. V. Howell, all of Galesburg, Kan., will be present.

**Directory:** The following is your directory of exhibits at the Tractor Show other than those already mentioned: Universal Motor Oils Co., Dodson Manufacturing Co., Blizzard Manufacturing Co., Golden Rule Oil Co., Derby Oil Co., Hyatt Bearing Division of General Motors Corp., The Miro-Flex Co., Blood Brothers Machine Co., Gar Wood Industries, Inc., Johnson Brothers Auto Supply Co., Tyson Roller Bearing Co., K. O. Lee and Son, Fleming Manufacturing Co., Accessories Corp., Fairbanks, Morse & Co.

Columbian Steel Tank Co., Hercules Motors Corp., Northfield Iron Co., Caterpillar Tractor Co., Stewart-Warner Products Co., Zenith Carburetor Division of Bendix Corp., Papec Machine Co., Frank Colladay Hardware Co., Denver Pump & Manufacturing Co., Jacobs Wind-Electric Co. Inc., Wentz Equipment Co., The Heil Co., Cleveland Tractor Co., W. A. Riddell Corp., Wisconsin Motor Corp., Puro-Lator Products, Inc., R. G. LeTourneau, Inc., Galion Iron Works.

Delco Appliance Division of General Motors Corp., Bushton Machinery Co. Inc., American Bosch Corp., Anthony Co. Inc., Delco-Remy Division of General Motors Corp., Phillips & Easton Supply Co., Skelly Oil Co., De Luxe Products Corp., Federal-Mogul Service, McPherson Concrete Products Co., Crook Furniture Co., S. K. Wellman

**Grows First-Class Seed**



Holly Freeland, Effingham, who was honored as a Premier Seed Grower of Kansas, at the Annual Kansas Crop Improvement Association dinner, during the Farm and Home Week program, in Manhattan this week.

Co., Linde Air Products Co., Murdock Electric Co., Folker Supply Co. Austin-Western Road Machinery Co., Economy Oil Filter Co., J. W. Hance Manufacturing Co., Allison Steel Manufacturing Co., Cedar Rapids Engineering Co., Lincoln Engineering Co., Stewart-Warner Corp., Imperial Brass Manufacturing Co., The Stody Co., Mid-Continent Butane Equipment Co., Chicago Metal Manufacturing Co., Moore Auto-Electric Co., Bucyrus-Erie Co., K. T. Oil Corp., S & S Sales Co., National Sales Co. Inc.

Briggs & Stratton Corp., Walker Machine Works, Western Tank & Road Supply Co., Advance Pump Co., Wetmore Pulverizer & Machinery Co., Hutchinson Concrete Co., E. S. Cowie Electric Co., Dix Petroleum Heating Co., Johnson Oil Co., Western Iron & Foundry Co., Sam H. Denney Road Machinery Co., J. D. Adams Co., Wichita Maytag Co., Truck Parts & Equipment Co., Eismann Magneto Corp., Frank Huse & Son Farm Equipment Co., W-W Grinder Corp., Karcher-Wolter & Foley, Graber Supply Co., Wichita Avery Co., Smythe Implement Co., Western Implement Co., Molz Implement Co., Aushermann Manufacturing Co., Jeffray Manufacturing Co., Haynes Stellite Co., Precision Screw & Motor Products Co., Huber Manufacturing Co., Ann Arbor-Klughart Sales Co., Sheldon Tractor Filler Co., W. F. Mercer, Independent Oil Co. Inc., K-P Manufacturing and Sales Co.,

A Schrader's Son, Master Manufacturing Co., Hall Manufacturing Co.

**Two Crops in One Year**

That 2 highly productive crops can be grown on the same land during one year was shown by Jess Frank, of Harrison county, last summer. The particular field was one of 9 acres which was in second-year Sweet clover this spring. As early as April 11, Mr. Frank had 34 dairy cows and 48 sows and shoats grazing on this. The Sweet clover was pastured thru May and then the crop was plowed under for green manure. Mr. Frank later planted Atlas sorgo which, despite an attack by chinch bugs, made good growth and produced about 20 tons of silage to the acre.

**THE 3 WAY GEHL** **MAKES MOLASSES SILAGE** **CHOPS HAY** **FILLS SILO**

Put up hay, rain or shine with a Gehl Cutter. Makes grass molasses silage from green hay—no curing required. Means 50% more feed per acre, no risk from bad weather. Automatic pump measures flow of molasses in proportion to feed. Same machine cuts hay into mow, or fills silo with corn. Saves work, saves storage space, reduces feeding waste. Valuable Free booklet on hay chopping and molasses silage.

**GEHL BROS. MFG. CO.**  
434 Water St., West Bend, Wis.

MORE VALUE FROM HAY CROP  
**FREE BOOKLET**  
SEND POSTAL



**Want a Job in Aviation?**

You are invited to visit Wichita's only U. S. Government Approved Mechanic School. A courteous guide will show you through.

**Swallow Airplane Company, Inc.**  
TRAINING DIVISION  
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Phone 54676 - 54677

*Here comes Dad!*

**HOME EARLY!**

**MODEL WC**  
**\$960 F.O.B. MIL.**  
ON RUBBER WITH LIGHTS AND STARTER

**L**IFE is good . . . you're at peace with the world . . . when you head down the lane for home with your Allis-Chalmers tractor. The sun is still a disc of fiery gold in the West. The air feels cool on your face as you roll along in high. In a moment, Mother's ear catches the cheerful, muffled hum of your motor and there's a shout from the youngsters . . . "Here comes Dad!"

Why is life so different, with an Allis-Chalmers tractor? After your chores are done and supper dishes are put away, look out across the fields. You see barn lights twinkling feebly in the darkness. Your neighbor farming with horses or a slow-moving steel-lugged tractor is "still at it."

Need you pay a price like that for farm success? Not in this day and age! An Allis-Chalmers tractor—with cam-honed pistons, water-cooled removable cylinder liners and more piston displacement (actual power) per dollar—can bring you home early too. It doesn't cost—it pays!

**MODEL C (Right)**  
No daily greasing! Sealed Reservoir bearings seldom, if ever, need re-greasing . . . save hundreds of pounds of grease. Two-row tool bar implements operate with interchangeable hand or hydraulic lift; 4-row attachment for beans. Full 125 cu. inches displacement.

**MODEL B (Right)**  
Big liquid-ballast hydromatic air tires are standard equipment. Available with pick-up or pull-type 16-inch plow, cultivator, mower, two-way plow, Model 40 All-Crop Harvester. Full 116 cu. inches piston displacement.

**MODEL \$595 F. O. B. FACTORY C** LIGHTS, STARTER

**MODEL \$518 F. O. B. FACTORY B** ON RUBBER

**ALLIS-CHALMERS**  
TRACTOR DIVISION - MILWAUKEE, WIS.

**TO BETTER LIVING**  
**TO BETTER FARMING**  
**TO MORE PROFIT**

**ALLIS-CHALMERS MFG. CO.**  
Dept. 19, Tractor Division, Milwaukee, Wis.  
Gentlemen: Please send me free catalogs as checked. I farm \_\_\_\_\_ acres.

1-Plow B Tractor  Crawler Tractor  
 B Implements  Power Mower  
 2-Row C Tractor  Power Units  
 C Implements  Disc Plow for Terracing  
 WC Implements  2-Way Pick-Up Plow

Name \_\_\_\_\_  
(PLEASE PRINT)  
Town \_\_\_\_\_ R.F.D. \_\_\_\_\_  
County \_\_\_\_\_ State \_\_\_\_\_

# TOP-NOTCH KANSANS

## Receive 1940 Master Farmer Awards

BY ROY FREELAND

**Y**OU are invited to meet 5 top-notch Kansans, named as the 1940 class of Kansas Master Farmers. Presented with gold medals before an audience of several hundred farm people at the Annual Achievement Banquet of Farm and Home Week in Manhattan, they hail from 5 different counties, dotted over a wide area of the state.

The 5 farmers, selected thru Kansas Farmer Mail & Breeze, represent many types of agriculture, practiced under widely varying conditions. If you will join us on a hurried "mental tour" we will pay a brief visit to the farm of each one, giving you an opportunity to become better acquainted with them and learn about their methods. So just allow your imagination free rein, and visualize yourself comfortably located in the front seat of your favorite model automobile.

For our first visit, we will head toward the extreme southeast corner of Kansas, to call on Arthur Christiansen, who wrests a comfortable living from the heavy soils of Cherokee county. Riding thru the fertile Neosho River Valley, there will be time to tell you just why and how these new Master Farmers are selected and honored.

They were chosen, primarily, because of their skill as good, practical farmers, their ability to provide comfortable homes and educational advantages for their families, and their record as public-spirited citizens. Every member of the new class is a church member and a leader in his community. All have homes offering advantages of electricity, running water and other worthwhile conveniences.

Thru their selection for this honor, the 5 men automatically take their places in an organization composed of outstanding farmers representing nearly every county in the state. The first class was chosen in 1927, when Senator Arthur Capper, thru Kansas Farmer, desired to pay special tribute to deserving farmers, in recognition of their intelligence, sincerity and business ability.

Readers were asked to send in nominations, and more than 270 names were submitted. Fifteen men chosen from this list comprised that first class. During the next 8 years, 10 men were selected annually, and since then 5 men have been honored each year, making a grand total of 120 Kansas Master Farmers. Of this group, 105 are now living. President of the organization is James G. Tomson, nationally known Shorthorn breeder, of Wakarusa.

After nominations are made, candidates are asked to fill out work sheets giving details of their farming operations. Those who submit the completed records are visited by Kansas Farmer editors who make the acquaintance of nominees and take pictures of their farms.

Final selections are made by a judging committee which examines work sheets and all other information about the candidates. The committee usually includes J. C. Mohler, secretary of the State Board of Agriculture, and L. E. Call, dean of Agriculture at Kansas State College. Third member of the committee is the president of the State Livestock Association, this year Francis Arnold, of Emporia.

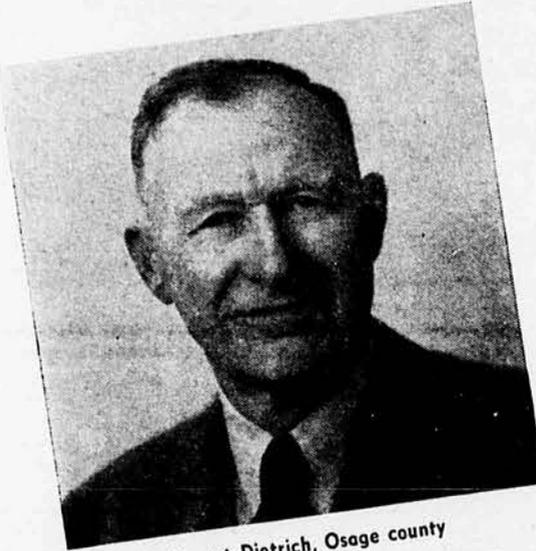
But over the radiator ornament we see a familiar country lane, announcing the start of our first call among the 1940 class of Master Farmers. We are greeted at the yard gate by Mr. Christiansen, a middle-aged man of sturdy build. Towering at least 6 feet in height, his manner is frank and straightforward. We meet Mrs. Christiansen and the family of 1 son and 4 daughters, ranging from 4 to 18.

Now, for a look about the farm, which demonstrates the possibilities of general or diversified livestock and crop farming. Mr. Christiansen operates 455 acres, part of which is owned and part is rented. He handles, on the average, about 70 head of Shorthorn cattle, 130 Shropshire sheep, 50 head of Poland China hogs and a flock of Barred Rock chickens.

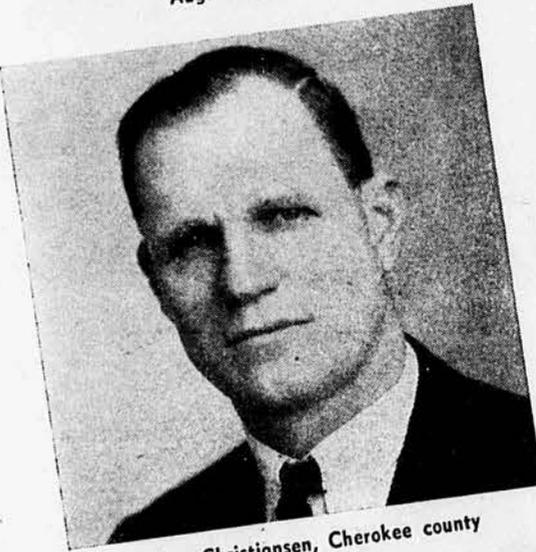
In the cropping program, special emphasis is placed on legumes for soil improvement and for production of high protein feeds. Legumes grown on the farm include alfalfa, Sweet clover, soybeans and lespedeza. Other crops raised regularly are corn, wheat, Atlas sorgo and barley. Terraces, draped artistically about the slopes on 107 acres of cultivated land, indicate that careful attention is given the matter of soil conservation. A big, attractive pond helps provide recreation for the entire family.

Mr. Christiansen explains that a few of his practices have proved particularly worthwhile during the last few years. First on the list is his sheep business, which features pasturing of ewes and creep-feeding of lambs for June markets. Another is the practice of finishing calves on grass, with light grain feed. Abundance of milk and clean pasture is his rule for successful pig production. Shoats are then finished quickly in a dry lot. It all dovetails into an

[Continued on Page 38]



August Dietrich, Osage county



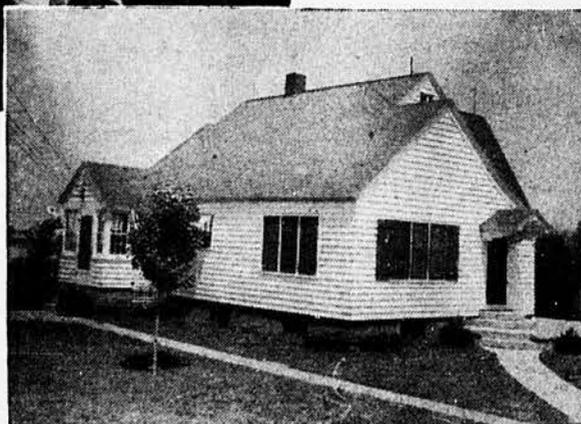
Arthur Christiansen, Cherokee county



Ralph Hornbaker, Stafford county



This attractive, modern home with its neat lawn, and careful landscaping, is the farm home of Merle G. Mundhenke, Edwards county, one of the 5 chosen for the 1940 Kansas Master Farmer Award, shown above.



Ability to provide comfortable homes and other advantages for their families is one of the important considerations in selecting Kansas Master Farmers. This one at left is owned by Fred D. Strickler, Reno county, shown above.

# "B.T.C." Speeds Up Conviction

By J. M. PARKS, Manager  
Kansas Farmer Protective Service

IF THE 2 youths who stole personal property from the farm home of Nick Long, Clifton, were surprised at the swiftness with which justice overtook them, they may find part of the explanation in this affidavit signed by Mr. Long:

"Clifton, Kansas, January 16, 1941. This is to certify that the property stolen from my premises last October bore the marks of my Bloodhound Thief Catcher, which was procured from Kansas Farmer Protective Service department. Due to the use of this device, the arrest and conviction of the thieves were made quicker and easier.—Nick Long, Service Member. Subscribed and sworn to before me, this 16th day of January, 1941, C. C. Pfister, Notary Public. Correct attest: Wm. A. Anderson, Washington county Sheriff."

Not only did the marking of the property assist in the conviction of the thieves, but it also cleared up any doubt as to ownership and enabled Mr. Long to recover it. The two convicted of the crime were given reformatory sentences. A regular reward of \$25 was paid to Service Member Long for the part he took in the conviction and an extra reward of \$25 was paid to him as a result of his using the Bloodhound Thief Catcher marking device. The Protective Service pays an extra reward in each case where this tool has been used to mark farm property and assists in its recovery or conviction of the thief. The extra reward offer is published to encourage the marking of all farm property for identification.

## Two Years for Car Theft

By giving quick publicity to the theft of their car, Mr. and Mrs. H. F. Spellman, R. 1, Junction City, put all peace officers in the surrounding counties on the lookout for the thieves. A few hours after the crime was committed, Sheriff Harvey Schmedeman, Geary county, found the car in bad condition and the stealers were taken into custody. Later, they were required to serve prison sentences. Mr. Spellman qualified for a \$25 Kansas Farmer reward by having a Protective Service emblem displayed on the car at the time of the theft, which occurred off his posted premises.

## Poultry Stealers Sent Up

On the day following theft of chickens and turkeys from W. H. Oden, Perry, neighbors and law-enforcement officers were put on the watch for clues. A suspicious looking truck had been seen in the neighborhood, and one observant neighbor remembered the number of the license tag. This information in the possession of Roy V. Housh, sheriff of Jefferson county, soon led to discovery of the poultry at Lawrence and the arrest of the thief. The thief

## Handy Records

Those who have used the pocket-size record books can tell you how handy they are, better than anyone. Mrs. Ira T. Burditt, Coldwater, writes: "I've used your 1940 Farm and Livestock Record Book and think it is fine. It is certainly handy for accounts of the farm business." J. F. Leatherman, Elk City, says: "I received a 1940 Record Book and like it so much I would like to have a 1941." Oliver Anderson, Alma, writes: "We used them for 1940 and think they are really very handy." If you would like one of these free record books, drop a card to Farm Service Editor, Kansas Farmer, Topeka, Kansas.

was given a reformatory sentence. Kansas Farmer has divided a \$25 reward equally between Service Member Oden and Sheriff Housh.

## Steals Hunting Dog

Speedy justice came to the man who stole a hunting dog from the posted farm of Grant Webb, R. 1, Neosho Falls. As soon as the dog disappeared, Mr. Webb recalled some remarks made by a man who had stopped at the farm. The information was turned over to Sheriff



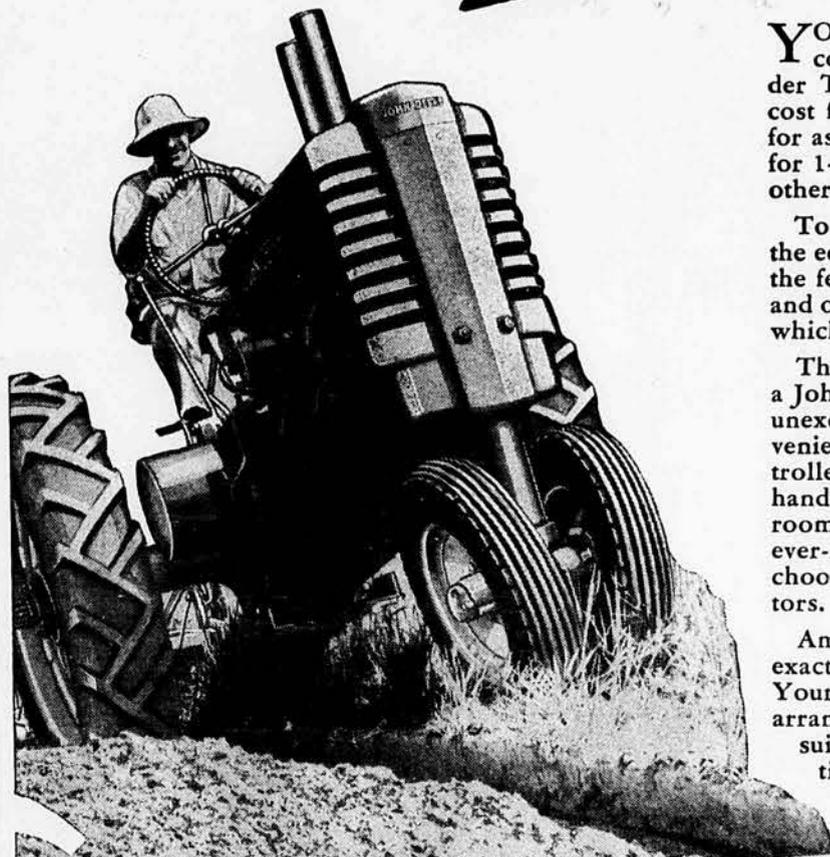
C. R. Miller, and members of the sheriff's force soon had the suspect under arrest. He was convicted and given a 90-day jail sentence. Thru a Protective Service radio broadcast, trace of the dog has been found. The reward of \$25 was distributed among Service Member Webb, Sheriff Miller, Charles E. O'Brien and Fred Allen.

## Spends Too Many Dimes

Usually, there is not much way of identifying money, but the man who stole \$30 in dimes from Harold B. Patchen, Jetmore, threw his case wide open by spending the money locally. He paid for so many different things in dimes that suspicion was aroused. At the end of an investigation, he found himself in possession of a 1- to 5-year prison sentence. A \$25 reward paid by Kansas Farmer was divided equally between Service Member Patchen and Ed Lang, sheriff of Hodge-man county.

To date, in its war on thievery, Kansas Farmer has paid out a total of \$31,447.50 in cash rewards for the conviction of 1,337 thieves.

# The ECONOMY you want is yours in a John Deere Two-Cylinder Tractor

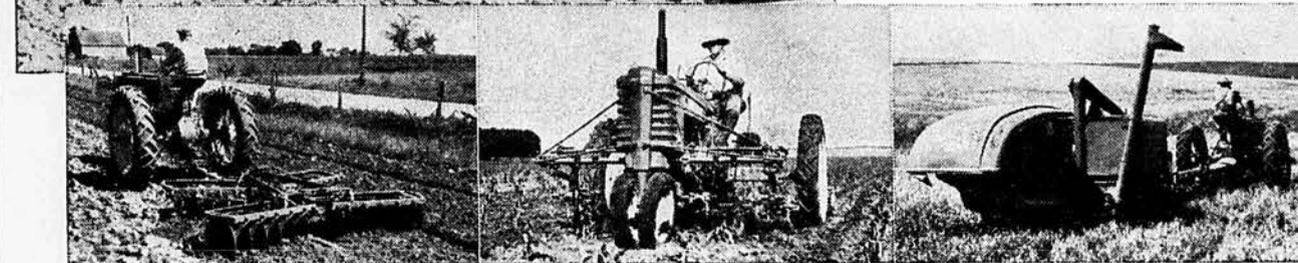


YOU CAN definitely lower your operating costs by using a John Deere Two-Cylinder Tractor. Successfully burning the low-cost fuels, John Deere tractors are plowing for as little as 9 cents an acre . . . cultivating for 1-1/2 to 2-1/2 cents an acre . . . doing all other jobs at proportionately low fuel cost.

To this unparalleled economy of fuel, add the economy of longer tractor life because of the fewer and heavier parts in a John Deere and of the easy, simple maintenance, much of which you can do yourself.

Then add the remarkable ease of handling a John Deere Two-Cylinder Tractor . . . the unexcelled vision in cultivating . . . the convenient hand clutch . . . individually controlled foot brakes . . . hydraulic power lift . . . handy controls . . . comfortable seat and roomy platform . . . and you'll know why an ever-increasing proportion of farmers are choosing John Deere Two-Cylinder Tractors.

Among the nineteen models, there is the exact size and type for your farm, your crops. Your John Deere dealer will be glad to arrange a demonstration of the one best suited to your needs. For more information by mail, use the coupon below.



More powerful, more economical, sturdier is the new Model "B" for '41. Handles a two-bottom plow in practically any condition. Shown here with a John Deere double-action disk harrow.

For the small farm, or to replace the last team on the large farm, there is the low-cost, 1-2-plow Model "H" which cultivates two rows. Shown here at work in small corn and doing an excellent job.

With a John Deere Model "A" you can handle a 2- or 3-bottom plow . . . plant or cultivate two or four rows—up to 60 acres a day. Shown here with a John Deere No. 12-A Straight-Through Combine.

**JOHN DEERE**  
*Two-Cylinder* **TRACTORS**  
FOR ECONOMY . . . SIMPLICITY  
DEPENDABILITY . . . EASE OF HANDLING

John Deere, Moline, Ill., Dept. G-311.  
Tell me more about the outstanding economy of a John Deere Tractor, I have checked the models in which I'm interested.

1-Plow "L"     1-2-Plow "H"     2-Plow "B"  
 2-3-Plow "A"     3-Plow "G"     Orchard Models  
 Standard Tread Models for field and belt work

Name.....  
Town.....  
State..... R.F.D.....

# MEMO TO Kansas and Oklahoma Power Farmers -



*Attend  
The Western Tractor and Power  
Farming Equipment Show  
at Wichita in February -  
You'll meet the best Farmers  
in the World - your neighbors  
P.S. Learn how they are  
cutting operating expenses  
through the use of ----*

# 150-HOUR VEEDOL

**T**HERE is no oil that offers more in efficient operation for your power farm than 150-Hour Veedol Tractor Oil.

Its many economies . . . savings in fuel and oil . . . reductions in operating and repair expense . . . are matters of record and not of claim. Endorsements of 150-Hour Veedol include such statements as - "I've run 170 hours and found the oil of good body and color" . . . "I only had to add 1 quart in 150 hours of heavy going" . . . "If I had to pay twice as much for 150-Hour Veedol, I would still be saving money over old-time 60- and 70-hour oils" . . . "I haven't put a wrench to my motor in the 3 years I've been using Veedol".

The long lubricating life of 150-Hour Veedol can be traced to the fact that it is made 100% from fine Bradford-Pennsylvania crude oil . . . noted the world over for its extreme resistance to heat, friction and every other foe of efficient engine operation.

A single trial of 150-Hour Veedol is generally sufficient to win permanent confidence in its amazing economy. Available in convenient containers from 5-gallon pails to 55-gallon drums.

### 150-HOUR VEEDOL cuts costs these 5 ways in your gasoline tractor

1. **Saves Fuel** . . . Reduces power "blow-by", minimizes dilution . . . thus saves fuel consumption.
2. **Saves Oil** . . . In many cases doubles operating hours between oil refills.
3. **Saves Losses** . . . Ends time and money losses from needless breakdowns.
4. **Saves Repairs** . . . Greater resistance to heat and friction cuts costly tractor repairs.
5. **Saves Tractors** . . . By reducing wear, assures long, economical tractor life.

*There is a Veedol lubricant for every make of truck and passenger car! These Veedol Oils are made 100% from Bradford-Pennsylvania crude. Veedol greases and gear lubricants meet all modern conditions.*

A Product of Tide Water Associated Oil Company

Visit the Veedol headquarters at the Western Tractor and Power Farming Equipment Show in Wichita on February 18, 19, 20 and 21.

**100% PENNSYLVANIA  
"A Better Tractor Oil  
by the Clock"**



## PLENTY OF MACHINES

Ready for Early Buyers

By H. G. DAVIS, Director of Research  
Farm Equipment Institute

**D**ESPITE the stress now being laid on national preparedness and the heavy demand for materials for making armaments, farmers who place their orders early for tractors and other machines needed in their 1941 operations are not likely to have much trouble in obtaining them. Those who delay too long may have some difficulty in getting what they want.

Production schedules in farm equipment factories so far have been proceeding uninterrupted, altho nobody knows how long such a situation will continue, and local dealers have been laying in stocks of merchandise which should prove ample to take care of their early demands.

Not only will farmers who place their orders early be able to get the things they want next spring, but they will be able to get better and more efficient tractors and machines than they ever before have been able to buy. That is due to technological developments which have been going on over the last few years and which now have reached the highest peak of record.

Taking tractors as an example, the University of Nebraska tests show, from point of view of fuel economy alone, that present-day models are vastly superior to those of only a few years ago. An analysis of recent tests of carburetor-type tractors reveals they are delivering about 25 per cent more drawbar horsepower to the gallon of fuel than did the average tractor tested in the 1930-1934 period. This increased efficiency makes possible a saving of about 20 per cent in the hourly tractor fuel bill.

But it is not only in fuel economy that they are so greatly superior to those of a few years ago. They contain many engineering refinements which add to their durability, their ease of handling and the scope of their operation.

In addition to improvements and refinements, the tractor line has been expanded until now there is a size of tractor for every size of farm operation. The importance of this wide range in sizes will be recognized by farmers who know the most economical tractor to operate is the one neither too big nor too small for the job to be done.

For several years there has been a steady increase in tractor utilization which will be still more marked. Tractors can now work on a greater variety of jobs thru all seasons of the year. Likewise they can turn out more work in an hour at a lower cost of operation. These are due to the stepping up

of speed, rubber tires, self-starters, electric lights, improved power lifts and power take-offs, and modern drawbar hitches and tool mountings, as well as to the new machines which have been designed to use with them. Some of these things can be credited to tractor engineers; others to the men who design and build machines to be used with tractors.

For example, there has been great progress made in improving plowing equipment. Manufacturers have been paying more and more attention to designing plows for tractor operation, instead of merely adapting horse-drawn models for that purpose. Newer models of tractor plows have higher clearances for better covering of trash, and many other improvements have been engineered into them to take every possible advantage of the higher speed and greater power of the modern tractors.

With the help of better plowing equipment, plowing can be done earlier in the season, choosing the time when soil conditions are ideal. Better timing of plowing operations, experience has demonstrated, does much to keep down weeds, control insect pests and preserve soil moisture and fertility.

Along with these better plows, come improved harrows, listers and busters which offer farmers additional opportunities and incentives for more scientific and timely seedbed preparation. Easily transported offset disk harrows, with power control, are proving popular and there have been improvements in springtooth harrows which add to the usefulness of this valuable tool.

Planting the right seed at the right time and in the right way is a vital requirement to profitable crop production. A corn planter which misses an occasional hill, or puts too many kernels in a hill, is as great a pest as the cut-worm which destroys the growing plant. Unless a planter works with cash-register accuracy, it is a liability to its owner rather than an asset. Such "cash register" precision is available in modern planters.

The striking increase in the acreage of hybrid corn has been an important factor in promoting improvement in planting equipment and in the junking of old, worn-out and unreliable planters. The higher cost of hybrid seed, as compared with that of the open-pollinated variety, calls for precision planting equipment. No thrifty person will want to waste seed or reduce yield by inaccurate planting. Good business dictates the use of a planter which will

## Trucks Made for Moving



No job will be too much for the line of Chevrolet trucks on exhibit at the Wichita Power Farming Show. Hauling livestock and feed, or following along to pick up the combine load, are run-of-the-farm jobs. But Chevrolet trucks are made for everything from spraying to moving the earth.

### A Garden Guide

An interesting and helpful leaflet at this time, when we are thinking of and planning our gardens, is the Kansas State College Extension Service Circular No. 101, "A Garden Guide for Farm and Town." Another is, No. 91, "Potato Seed Treatment in Kansas." For a free copy of each circular, please address post card to Bulletin Service, Kansas Farmer, Topeka, Kansas.

deposit the exact number of kernels desired in every hill at uniform depth and properly covered. Such are the present models of corn planters.

Probably there is no item in the farm equipment line, unless it is the tractor, in which present models show such marked improvements as is found in the case of the combine. Originally brought out as a big machine to be used mainly for harvesting wheat in the big grain-growing districts, it has been engineered down to fit farms where only limited acreages of threshable crops are grown and its utility has been improved to the extent that it can now be used to harvest almost every grain crop from the smallest grass seed to the largest bean. The combine will be available in widths of cut ranging from less than 4 feet up to the big machines used on farms with large acreages of combinable crops.

Something like a revolution in hay-making methods has been under way for some time and it now appears that it will attract wide attention in 1941. The new methods consist of 3 ways of handling the hay crop, namely: (a) baling the dry hay in the field, (b) chopping and storing as dry hay, and (c) putting it up as green silage. Each of these methods involve the use of special machinery which now is available.

Field baling is a practice which has been common in sections of the country for several years, but its popularity now is likely to be greatly extended because new and lighter field balers are now available. These machines pick up the hay after it has been cured in the windrow and bale it as the machine moves across the field. One of the many advantages found in this method is that it is not necessary to allow the hay to remain in the field as long as is required when put up loose. This results in brighter color and a smaller loss of leaves, which contain most of the feeding value. In addition, baled hay can be stored in less than one-fourth of the space required for loose hay.

In putting up green hay as silage, 2 methods are pursued. One is to cut the grass with the mower and pick it up with a hay loader and use an ordinary ensilage cutter to chop it and mix it with a preservative agent such as molasses, liquid or dry, corn meal or acid. In this method, 2 pieces of special equipment are required—a green grass hayloader, strong enough to handle the extra weight of the material, and an attachment on the ensilage cutter for mixing the preservative. Both of these machines are available for the 1941 trade.

The other and newer way of putting up grass silage is to use a machine which cuts the grass and chops it in the field in a single operation. In this method, the molasses, or other preserving agent, is mixed with the chopped material as it is being elevated into the silo. This method eliminates the heavy work of handling the long, heavy grass as must be done when the unchopped material is hauled from the field to the cutter at the silo. When equipped with pick-up attachments, these machines will take the cured hay from the windrow and chop it in the field.

Corn picking is another farm operation which is being shifted from hand to machine methods. Recent studies made by the University of Illinois indicate a

possible saving of as much as 5 cents a bushel between the cost of cribbing corn by machine methods as compared to hand husking. In addition to actual saving in cribbing costs, the machine gets the corn out of the field earlier, thus avoiding the danger of early snows, such as occurred in the Northern corn-growing districts last Armistice Day, and also permits turning livestock into the field sooner than otherwise would be possible. New models of corn pickers will contain many improvements, which should prove attractive to corn growers.

While farm machines in general have been engineered along lines which will broaden the scope of their operation and make them adaptable for use in growing different crops, sight has not been lost of the needs for special equipment required in growing special crops. Development in potato and beet tools are excellent examples. Potato planters, which pick the seed and deposit it at proper depth with greater accuracy than ever before, are now on the market. These machines also carry fertilizer attachments which embrace the latest improvements. Improved diggers, operating either from the power take-off of the tractor, or from ground traction when pulled by horses or tractors, are also found in the 1941 line, as are sprayers of the latest design. Like-

wise, special tools have been produced for beet growers.

While probably the most progress has been made in developing tools for tractor use, because the tractor is newer, manufacturers of horse-drawn equipment have been constantly on the alert and have kept their product up to the high standard set by other branches of the industry.

Purchasers of new tractors and power-operated machines in 1941 will be impressed with the steps taken by manufacturers to insure the safety of the farm operator. If they examine these machines carefully, they cannot help but realize that it must be a careless man, indeed, who would be injured while using them. On the rear of the tractor, regardless of whose manufacture it may be, will be found a stub or master shield over the power take-off shaft which is so designed that the power line shield of a power-operated machine, altho it comes from a manufacturer other than the one who made the tractor, can instantly be connected. No machine taking power from the power take-off should ever be operated unless these shields are in place. The stub or master shield on the tractor is available for most tractors manufactured since 1930, and every farmer should see that his tractor is so equipped.



If a stopped up-condition in your nostrils due to a cold prevents you from breathing through them, insert Mentholatum. Soothing Mentholatum clears the mucus-clogged passages, lets in the air. It clears the way for breathing comfort.

*Opens*  
**STOPPED-UP NOSTRILS**  
due to colds  
**MENTHOLATUM**  
*Gives COMFORT Daily*



**NATIONAL Vitrified SILOS**  
*Everlasting TILE*  
Cheap to install. Free from trouble. Steel reinforcing every course of tile.  
**NO** Blowing In, Blowing Down, Freezing.  
Buy Now Erect Early Immediate Shipment.  
Rowell Roller Bearing Ensilage Cutters. Write for prices. Special discounts now. Good territory open for live agents.  
**NATIONAL TILE SILO COMPANY**  
R. A. Long Bldg., Kansas City, Mo.

# See What's New for Farming With a Future

## 10 New Tractors

See the Case "VC," the big tractor of the 1-2 plow class, and Masterframe that saves implement dollars, brings you a bigger outfit for LESS money. See the brand-new "S" series 2-plow tractors with more comfort and conveniences than were ever before built into a tractor. See the 3-plow "D" and the new 4-5 plow "LA," as easy to handle as smaller tractors. All have four speeds forward, electric starting optional.

## 9 New Combines

First showing of new models in 6- and 9-foot sizes. Others from the low-priced "F," already famous for the way it handles a 54-inch swath, to the "K" that gives 16-foot capacity with 12-foot cut. Choice of canvas and auger-type headers, rubber and spike-tooth cylinders. All harvest every kind of small grains and seed crops, all have extra threshing, separating and cleaning capacity.

**PRICES ON BOTH BEGIN IN THE LOWEST BRACKET**

## 3 New Hay Makers

**INCLUDING PICK-UP BALER THAT MAKES SLICED HAY**

See hay bales that fall apart for feeding like ready-sliced bread. See blockless pick-up baler that weighs half as much, pulls with half the power, works with fewer men, keeps up with 7-foot tractor mower. See new 4-bar tractor side rake geared to go a third faster with same clean gentle raking. See new trailer-baler, the low-priced pitch-on baler that pulls behind car or tractor.

## Come to the CASE Show

Wichita, February 18-19-20-21

See first showing of new movies. Action pictures of amazing new methods and machines for faster, freer farming. Secrets of economy and long life built into hidden vitals of tractors. How farmers find new wealth from buried treasure in their furrows. All about air-conditioned hay—how it saves more vitamins, more nutrients. Come to the show, also see the new machines at your own Case dealer.

J. I. Case Co., Kansas City, Wichita

# CASE

# 1941 Offers For Diversified



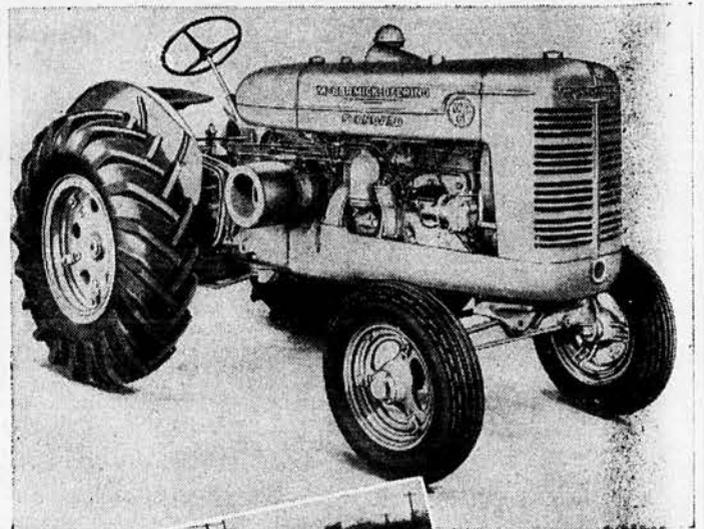
At left, new Firestone Spade Grip tire built with center spear bar for better penetration of hard soil. Below, Firestone tires are ready to speed up the work of a busy season, by making good equipment better.



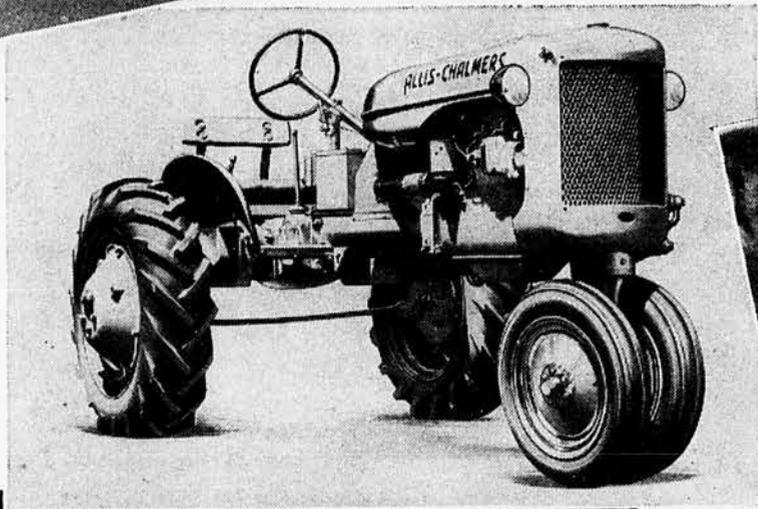
Below, Oldsmobile beauty and performance are offered this year in the widest choice range in Oldsmobile history. The sensational Hydra-Matic drive, doing away with clutch and gear shifting, is of keen interest to motorists everywhere.



Hot off the griddle is news that International Harvester Company is coming out this year with 5 new wheel tractors. At right, the new WD-6 Diesel, a 3-plow power-house.



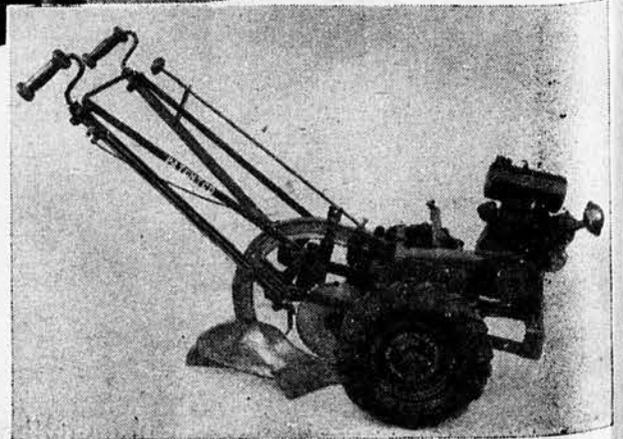
Right, new Model C Allis-Chalmers tractor with standard equipment. It is a 2-row machine, and includes lights, starter and air tires. Below, the new Allis-Chalmers forage harvester which handles grass silage, hay, corn silage and straw.



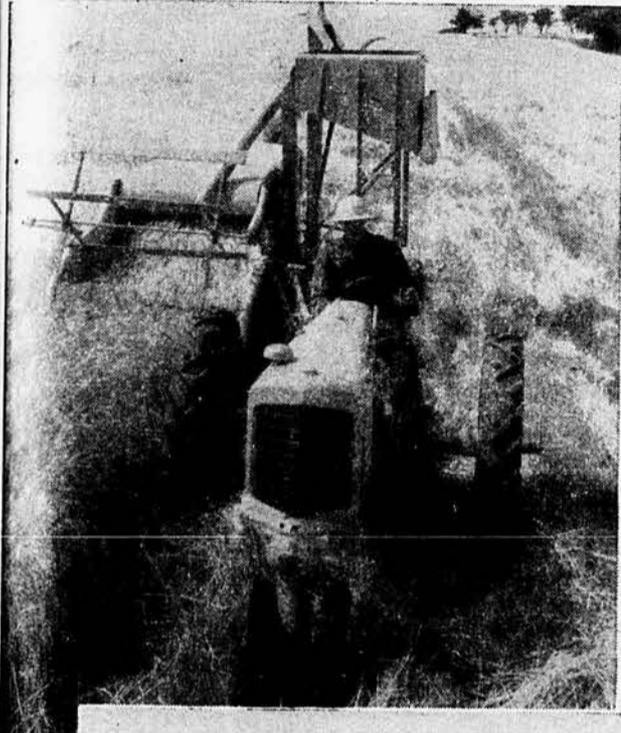
With Goodyear Sure-Grips and Hi-Rib tires on his tractor, plus tires on his wagon, H. S. Miller, at left, rolls along the highway, hauling seed oats from one of his Brown county farms to the other. Easy riding and no highway delay are important to him.



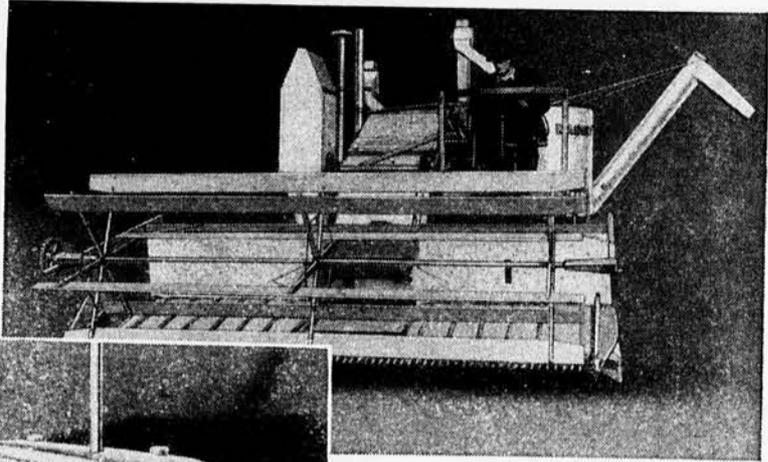
At right, Shaw Manufacturing Company's Peppy Pal garden tractor which will be shown this year at Wichita for the first time. It sometimes is referred to as the "vest pocket" tractor, but always is praised for its many outstanding features.



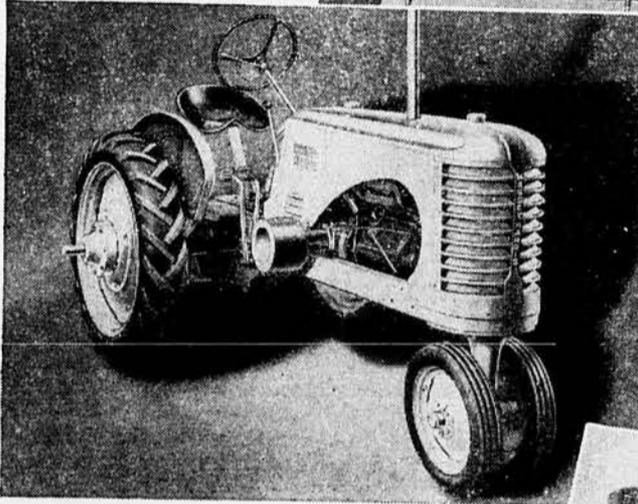
# Versatile Equipment Farming



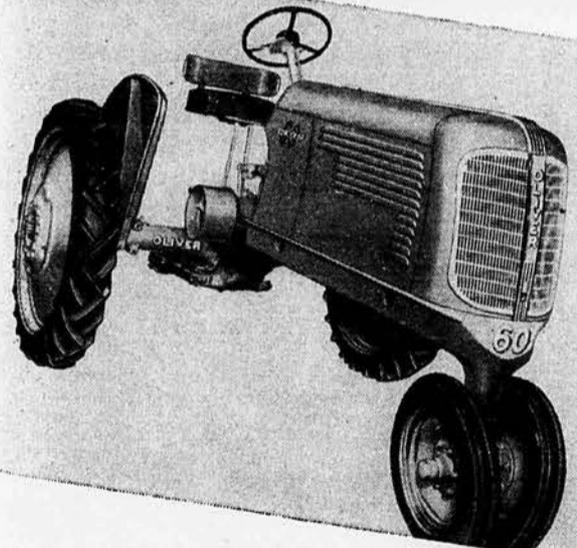
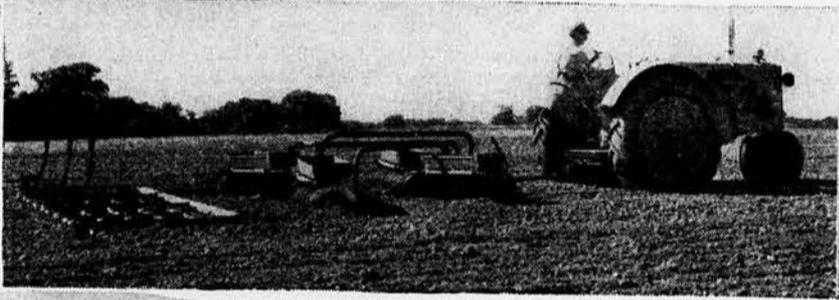
Coming in for special recognition at Wichita and thruout the state will be the Minneapolis-Moline 1941 Harvester "69" shown at left. It is seen here powered by the MM Universal R, 2-row, 2-plow tractor, which also will be featured.



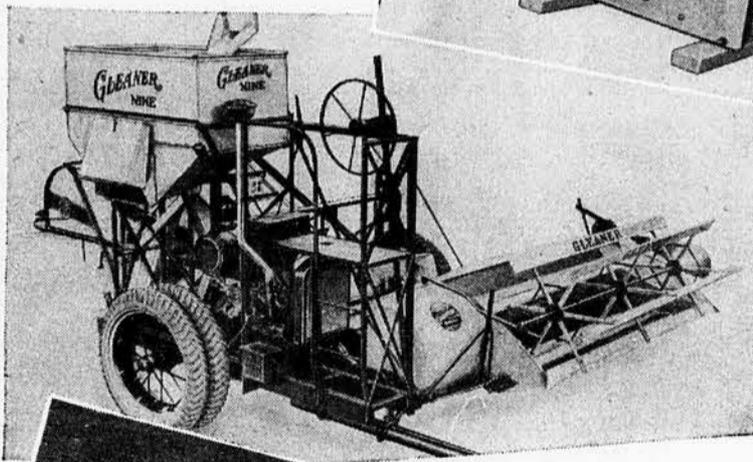
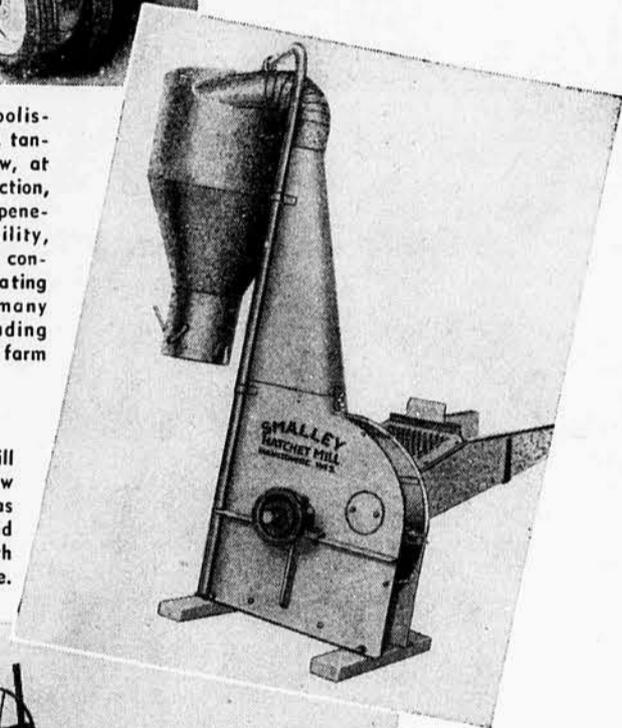
Highlighting the Massey-Harris exhibit at Wichita will be the new "81" light, 2-plow tractor, with rubber tires and self-starter, shown at left. Also the new No. 21 Self-propelled combine, above, which Massey-Harris brings out this year. It is a 12-foot machine and bound to attract a lot of attention.



New Minneapolis-Moline No. 11A tandem disc harrow, at left. Its construction, uniformity of penetration, flexibility, ease of angling control, self-lubricating bearings and many other outstanding features fit it to farm needs.

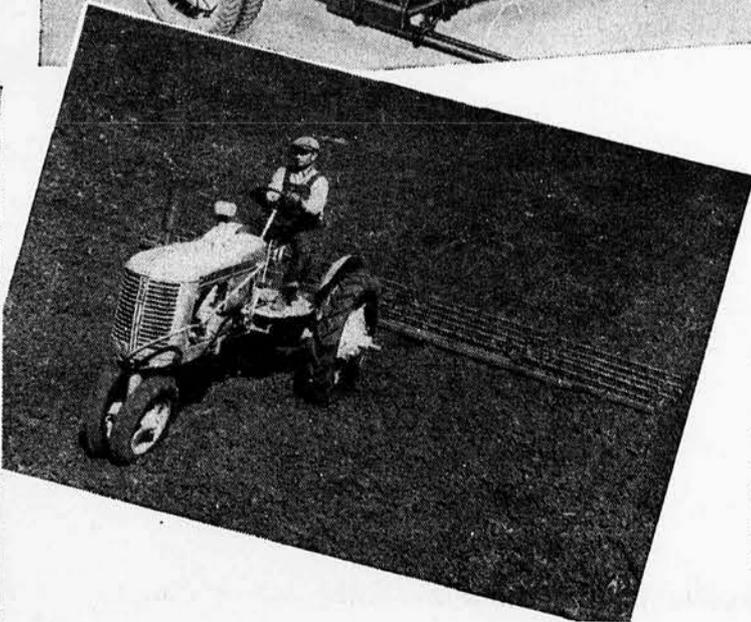


At right, the new Smalley hatchet mill for 5 HP motors. It utilizes the new principle of "flying hatchets," and has big capacity for feed grinding and roughage chopping. It is available with a belt pulley or a quiet V-belt drive.

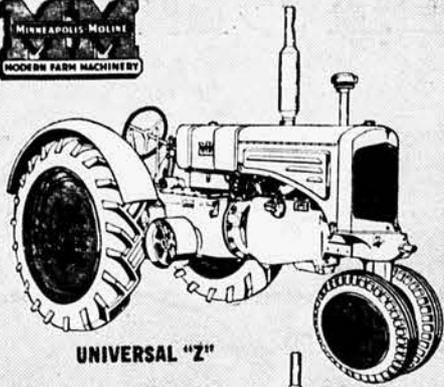


At left, the 1941 model Gleaner Baldwin 9-foot combine. It has exceptionally big capacity, having the same thresher, separator and power units as the 12-foot. The 12-foot combine now is equipped with V-belt drives.

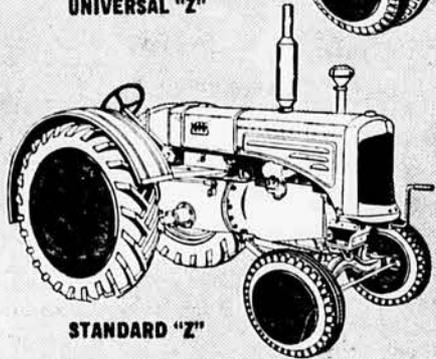
Above, the new Oliver Row Crop 60 tractor which will be shown at Wichita for the first time. A dozen outstanding features catch the eye and class it right off as sturdy power for small farm operations.



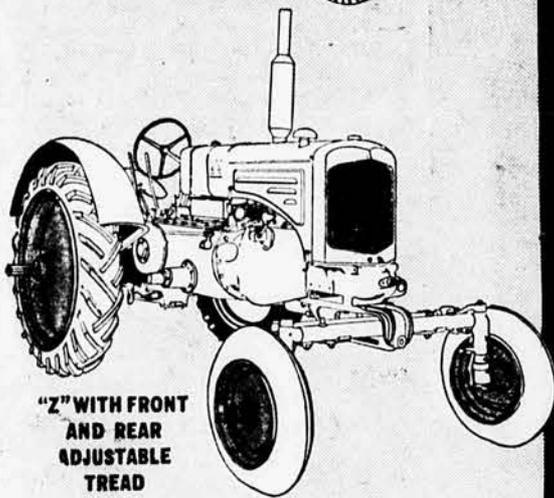
Second picture left, a Case 2-plow "S" series tractor which boasts new comfort, convenience, capacity, flexibility and economy, making its bow to the public at the Wichita show. Speed is efficiently controlled for all size loads. First picture left, the smaller 1-2 plow Case built for every power job on the small farm from plowing to grinding feed.



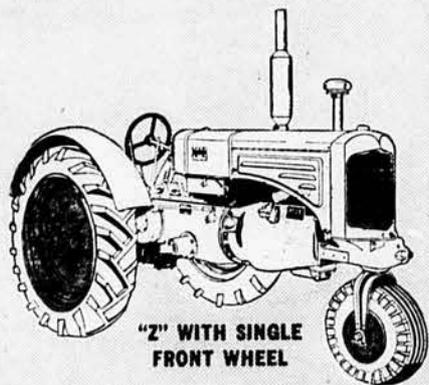
UNIVERSAL "Z"



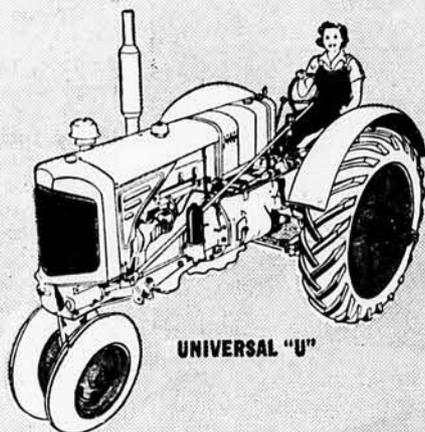
STANDARD "Z"



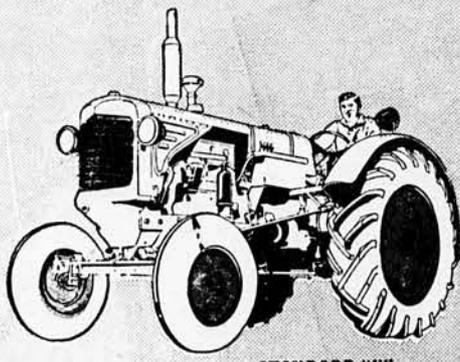
"Z" WITH FRONT AND REAR ADJUSTABLE TREAD



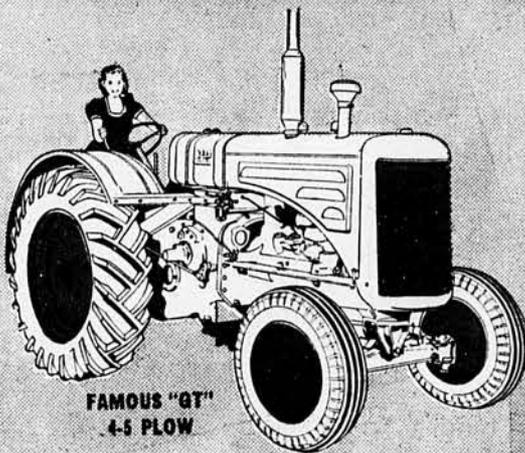
"Z" WITH SINGLE FRONT WHEEL



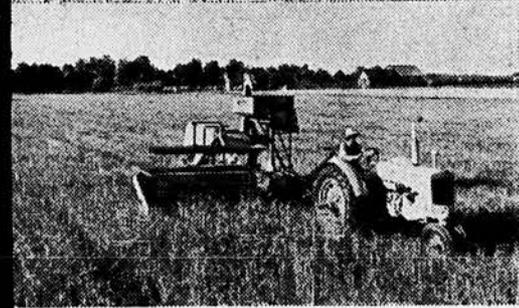
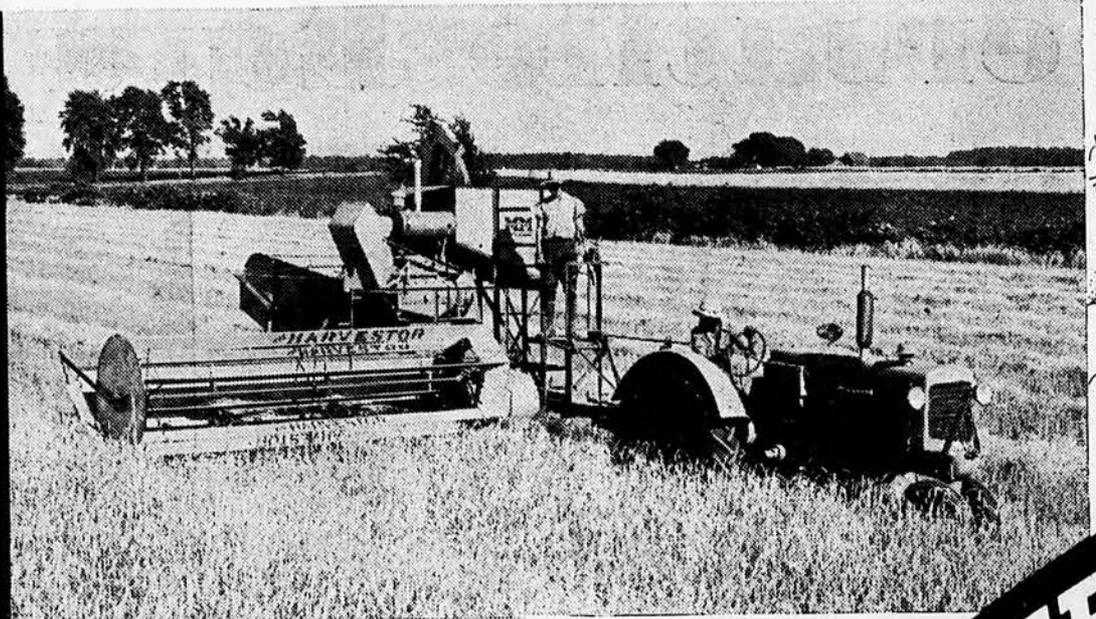
UNIVERSAL "U"



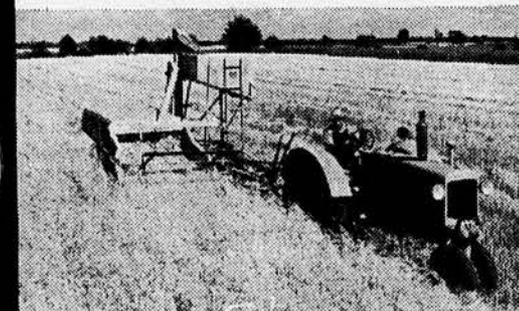
STANDARD "U"



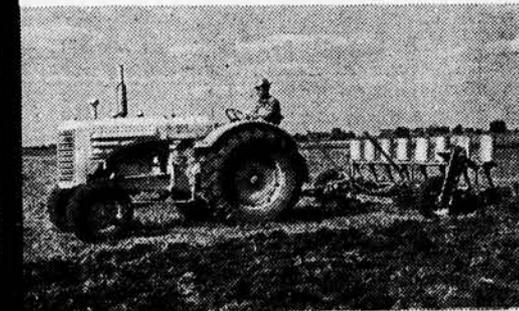
FAMOUS "GT" 4-5 PLOW



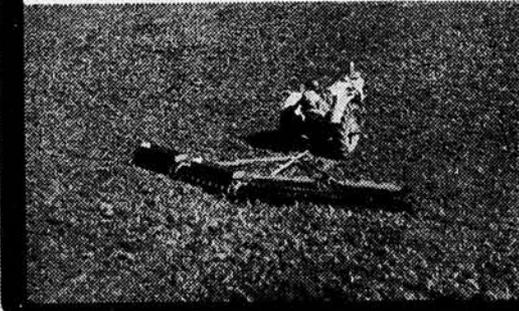
Universal "Z" and famous 8 ft. MM Harvester — power-take-off driven for lowest cost harvesting.



Harvester "69" operated by Universal "Z" tractor in bars — the Mighty Masters of all crops.



Above: GT 4-5 plow tractor and uni-tiller listing-in wheat for best possible yields.  
Below: Sensationally new and different MM Disc Harrows, folded and unfolded, angled and straightened out entirely by tractor power



**Do You Really Want to Reduce Your Production Costs and Get the Most for Your Money?**

**MEET For with**

**Get Facts NOW!**

If you really do, then it is time for you to investigate thoroughly every modern MM machine that you can use on your farm. Have you considered whether you need a new Combine on your farm this year? — It will pay you to insist on getting a genuine MM Harvester. Available facts prove that you can probably save from 2 to 3 dollars per acre and up; and from 10 to 15c per bushel and up, using about 1/5 the man hours by using a genuine MM Harvester; and of course your family life and home costs always remain better balanced when you use the Modern Harvesting Methods.

**THIS YEAR PARTICULARLY—IT WILL PAY YOU TO PLACE YOUR ORDER EARLY.**

The 12-foot HARVESTOR is the original light weight, high capacity combine for all crops. Introduced in 1934, it was a complete sellout in its first season. In the 1935 harvest, the toughest in a decade, the HARVESTOR proved that it could save grain where other methods failed because of adverse, tough conditions. The leading seller of all combines in that year. Since 1935, increased sales year after year, and the leading seller in its size each year. Practical sell-outs year after year.

MM now brings big savings in harvest costs to all size farms. The 6 and 8-foot HARVESTORS both have all the famous 12 ft. HARVESTOR features. Get complete facts while you have time and judge for yourself. The 6 and 8-foot HARVESTORS are operated by either engine drive or power take-off. All MM HARVESTORS have only 2 wheels — 1 or 2 man operation. 2 Harvester hitch for one tractor available.

HARVESTOR "69". Many new and exclusive features for 1941 in cutting, threshing, separating and cleaning mechanisms, plus unusual features of adjustability enable the HARVESTOR "69" to handle all crops better under all combining conditions. 69 inch cutting capacity under most combining conditions. Get facts! Factory Price only \$598.00 with power-take-off drive. ENGINE DRIVE AVAILABLE! EQUIPMENT for every need. THE QUALITY LEADERS PRICED WITH THE LOWEST



**REMEMBER:**  
The record and reputation of MM Twin City tractors is your best assurance of real economy per year — per horsepower — per acre and per dollar invested on all jobs. There's an MM Tractor for every need—built to stay young longer DUAL TIRES available — See your MM dealer



MM Hi-Klearance plows are the modern champion moldboard plows. Get complete facts.

**MINNEAPOLIS POWER IMPLEMENT CO.**

With the Spirit of



# THE CHALLENGE of 1941 Production HEADLINERS Cost MORE MM

Production  
for profits... and  
better living the MM way

They call it the Spirit of '76', the spirit of MM Engineers who design new and better things for that "Land of Yours" — because for 76 years MM products have led the parade of progress helping American farmers to greater freedom from burdensome work, and to the highest standard of living ever attained by any farming people. True, much progress is still to be made each succeeding year, and the men of Minneapolis-Moline, to make MM MODERN MACHINES will be on the job to help you make more money.

This land of ours is no more fertile today than in George Washington's time — but since his day, because of modern machinery, fewer and fewer of our people compared to the total population live on farms, and all live better. The income from your land today is proportional to the degree to which you have mechanized — and machinery is largely responsible for your cash income — directly or indirectly.

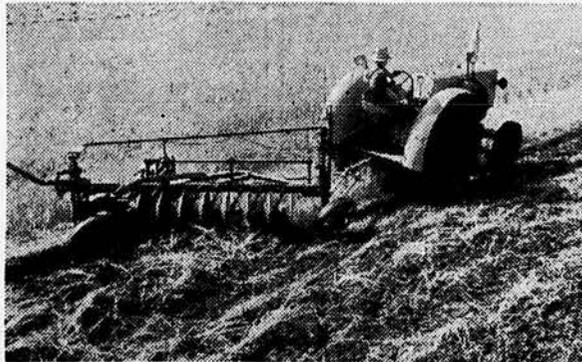
Real slavery and the long hours of hard work on farms in former years have both been stamped out more by modern farm machinery than by law. Famine was common most everywhere before the advent of modern farm machines — now it is unknown where modern machinery is used.

Your farm is your business place as well as your home — different from most all other people. So Your Land should pay you a profit for the better things of life as well as a living. During the past 76 years, Minneapolis-Moline has done much to make this possible, and more so today than ever before. MM Tractors and Machines are designed to fit your farm. Seeding, planting, cultivating, plowing and harvesting all have been revolutionized by MM inventions to your benefit, and because of this many of the industry's best sellers are MM machines — the Quality Leaders — priced with the lowest and the most modern built.

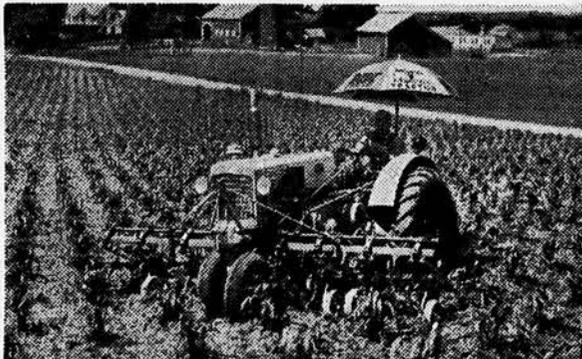
Now is the time to get complete facts on the Tractor and Machines you need for 1941 — see your MM Dealer or write for facts.



Revolutionary new MM No. 11A disc harrow — never needs lubrication. Many new outstanding features no other harrows have. Get facts.



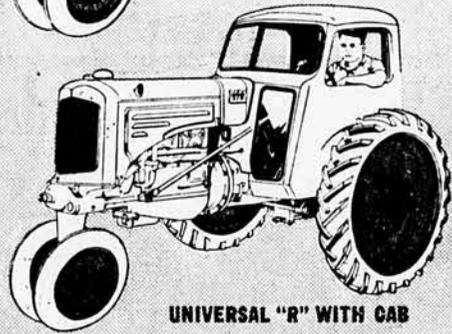
Standard "U" and famous MM power-lift Wheatland Disc plow — by far the leading sellers because they do the best work more economically. Sizes for every farm and all tractors.



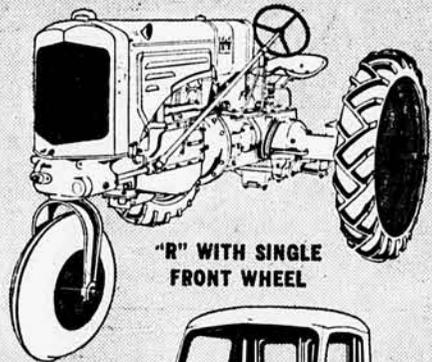
Universal "U" and 4 Row Quick-on — Quick-off — parallel lift cultivator. Even penetration of all shovels at all times — power lift — the best built say owners everywhere.



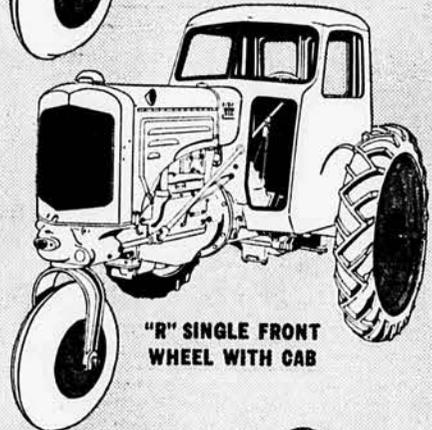
UNIVERSAL "R"



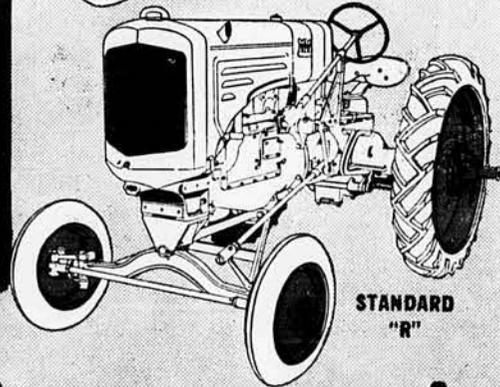
UNIVERSAL "R" WITH CAB



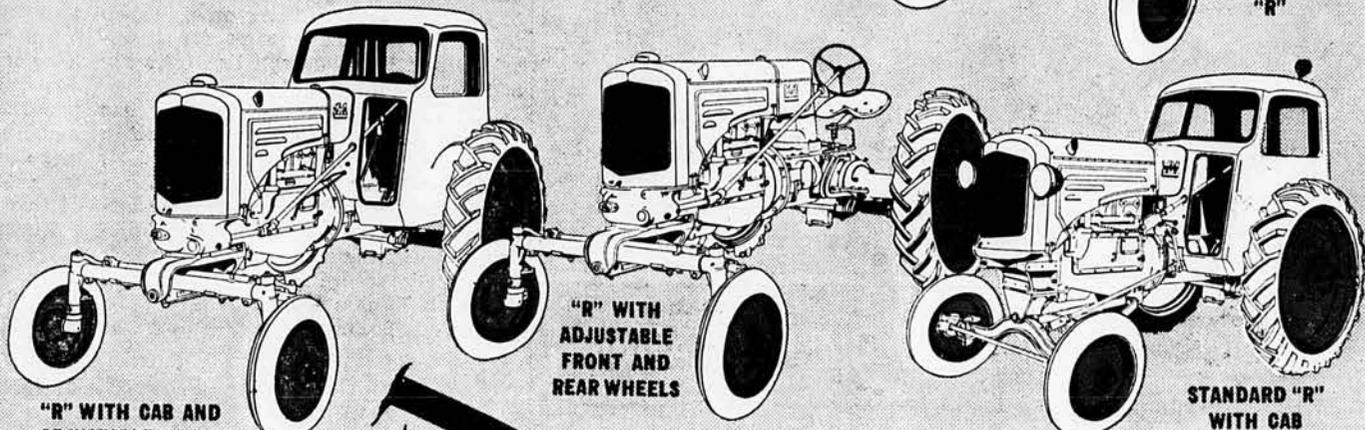
"R" WITH SINGLE FRONT WHEEL



"R" SINGLE FRONT WHEEL WITH CAB

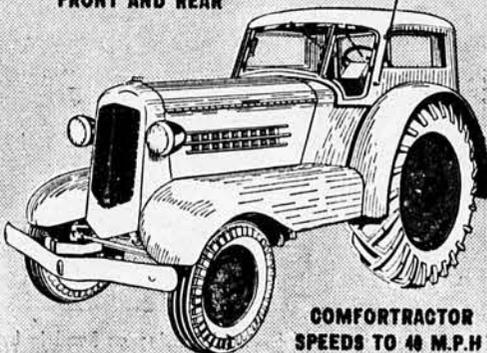


STANDARD "R"



"R" WITH ADJUSTABLE FRONT AND REAR WHEELS

STANDARD "R" WITH CAB



COMFORTACTOR SPEEDS TO 40 M.P.H. 3-4 PLOW POWER

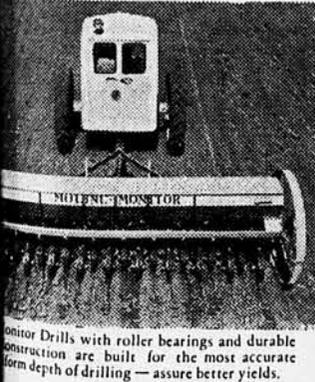
**FRIENDS:** All farmers and dealers are cordially invited to see us and our complete line of Modern Money Making MM Machines for farmers at our exhibit at the Wichita show — 401 South Wichita St., on tractor row. If you can't come see your MM dealer or write today.

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> HARVESTOR 6-8-12 ft.         | <input type="checkbox"/> Standard "Z" 2-3 plow     | <input type="checkbox"/> 2 row Corn Husker                          |
| <input type="checkbox"/> HARVESTOR "69"               | <input type="checkbox"/> Standard "R" 2-plow       | <input type="checkbox"/> Shellers — 3 sizes                         |
| <input type="checkbox"/> Windrowers                   | <input type="checkbox"/> "GT" 4-5 plow             | <input type="checkbox"/> Uni-Tiller, All-in-One Farm Machine        |
| <input type="checkbox"/> Tractors                     | <input type="checkbox"/> Comfortactor              | <input type="checkbox"/> Disc or Drag Harrows                       |
| <input type="checkbox"/> Universal "R" 2 row, 2 plow  | <input type="checkbox"/> Grain Drills              | <input type="checkbox"/> Wheatland Disc Plows — sizes for all needs |
| <input type="checkbox"/> Universal "Z" 2-3 plow       | <input type="checkbox"/> Thresher                  | <input type="checkbox"/> Hi-Klearance Tractor Plows                 |
| <input type="checkbox"/> Universal "U" 3-4 plow       | <input type="checkbox"/> Spring Tooth Harrows      | <input type="checkbox"/> Horse Drawn Plows                          |
| <input type="checkbox"/> Industrial Tractors—6 Models | <input type="checkbox"/> Spreader — Lowest Built   | <input type="checkbox"/> Cultivators — all sizes                    |
| <input type="checkbox"/> Standard "U" 3-4 plow        | <input type="checkbox"/> Hay Tools — Most Modern   |   |
|   | <input type="checkbox"/> Hammermills — 2 new sizes |   |

I am interested in buying machines checked. Please send facts.

Name..... Route..... Box.....

Town (P. O.)..... State.....



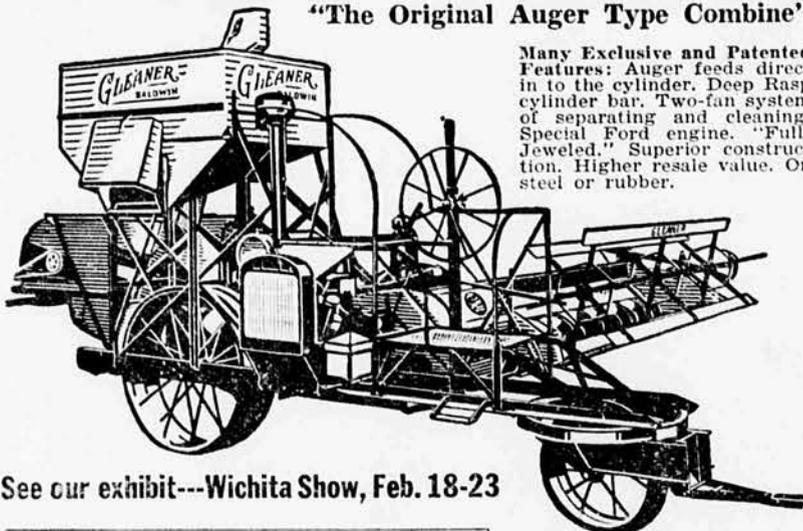
Monitor Drills with roller bearings and durable construction are built for the most accurate form depth of drilling — assure better yields.

**MAIL COUPON TODAY**  
Get Complete Facts on all your Farm Needs

**MINNEAPOLIS-MOLINE**  
MINNEAPOLIS MINNESOTA

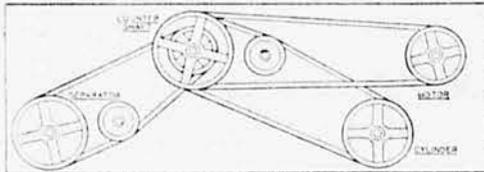
See the 1941 Model 12 foot  
**GLEANER BALDWIN**  
 equipped with V Belts

"The Original Auger Type Combine"

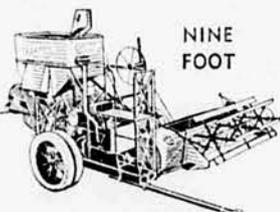


Many Exclusive and Patented Features: Auger feeds direct in to the cylinder. Deep Rasp cylinder bar. Two-fan system of separating and cleaning. Special Ford engine. "Full-Jeweled." Superior construction. Higher resale value. On steel or rubber.

See our exhibit---Wichita Show, Feb. 18-23



V Belt drives are popular. Accurately machined gray iron sheaves, bolted on to malleable hubs. By reversing position of two sheaves correct cylinder speed is attained for threshing kaffir, etc. V Belt change-overs are available for all models—1930 to date. See your dealer for details and prices.



NINE FOOT

9 ft. on rubber. Same capacity as 12 ft. The threshing, separator, and power units are identical.



SIX FOOT

6 ft. on rubber. Motor equipped. A small edition of the big machines having the same fundamental principles throughout.

**GLEANER HARVESTER CORPORATION**

Factory and General Offices—Independence, Mo.

**MORE STABLE INCOMES**

Result From Use of Tractor Power

By LUKE M. SCHRUBEN  
 Kansas State College



A Mitchell county machine shed equipped to house all farm machinery as well as provide a repair shop for its upkeep. A well-built machine shed, properly equipped and used, will pay for itself thru savings on machine depreciation, as well as provide space for making repairs during the slack months of the year.

**T**he invention and application of the internal combustion engine to agricultural needs has, no doubt, had more influence on agriculture than any other invention since the reaper. This effect has been most pronounced thru the reduction of man-labor requirements and timeliness of operation. The United States Department of Agriculture statistics show that more than 247,000 tractors were sold in the United States in 1937, compared to 27,819 in 1916.

This change was more pronounced in Kansas than in the United States as a whole. There were 2,493 tractors on Kansas farms in 1915 compared to an estimated 90,000 on farms in 1940, according to the State Board of Agriculture. There has been a 60 per cent increase in tractors and an 80 per cent increase in combines in Kansas from 1930 to 1939. Most of this increase has taken place in Eastern Kansas.

Labor shortages on farms known during the World War will not be felt during this war to the same extent due, primarily, to power methods of farming. The Bureau of Agricultural Economics of the United States Department of Agriculture showed that, in 1935, the 31,800,907 people living on 6,812,350 farms fed 95,351 people besides themselves, while in 1910 it took 32,077,000 persons living on 6,400,000 farms to produce enough for themselves and have enough left over for 59,895 non-farmers.

The advent of power farming has brought about many new problems to present-day agriculture, the same as did horse-drawn machinery when it replaced hand-operated tools. Present-day agriculture is a highly complicated business and, if success is insured, must be closely co-ordinated thruout the entire production process. Efficiency of production is one of the key words to

success in present-day agriculture. Labor saved thru the use of power equipment is the chief advantage offered thru its use. When this labor is properly used, the results of using power equipment should more than offset the additional costs of such equipment.

There have been 2 major ways adopted by Kansas farmers of utilizing extra labor made available thru the use of power equipment. When power equipment was first being adopted, most farmers utilized their excess labor by increasing the amount of land operated. This has been a far too common practice, resulting in spreading out too thin, increasing competition for land and subsequently increasing rents, and going from diversification to single crop farming. This has not been a satisfactory way of utilizing extra labor according to records kept over a period of 10 years by from 200 to 500 Kansas farmers.

The second way of utilizing extra labor has been that of increasing the number of livestock handled on the farm. Farmers utilizing their extra labor in this manner found that by leaving their acreage tilled substantially the same, they could spend from 20 to 40 per cent less time in the field, thereby giving more time to their livestock. This type of farm organization has permitted more diversification, produced better livestock and livestock products, resulting in higher, more stable incomes, as well as maintaining or improving soil fertility. Many farmers in Kansas are following a program of this type and proving it successful.

Power equipment, providing means of processing feeds such as grinding, silo filling, baling, and mixing, permits more economical livestock production. When power equipment is utilized in

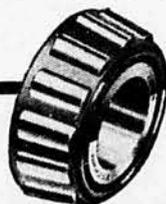


**MILES OF SMILES ON TIMKEN BEARINGS**

MINNEAPOLIS-MOLINE Tractors are equipped with TIMKEN Tapered Roller Bearings at the hard-service points—have been for years. Scientific design, precision construction and TIMKEN Electric Furnace Alloy Steel combine to give TIMKEN Bearings unequalled smoothness, strength and endurance. The work a tractor

has to do is quite different from that of a streamlined train, but it is just as tough in its way. Most leading tractor manufacturers equip their machines with the same make of bearings the majority of streamlined trains use—TIMKEN Bearings. You can't afford to have anything less dependable in your new tractor.

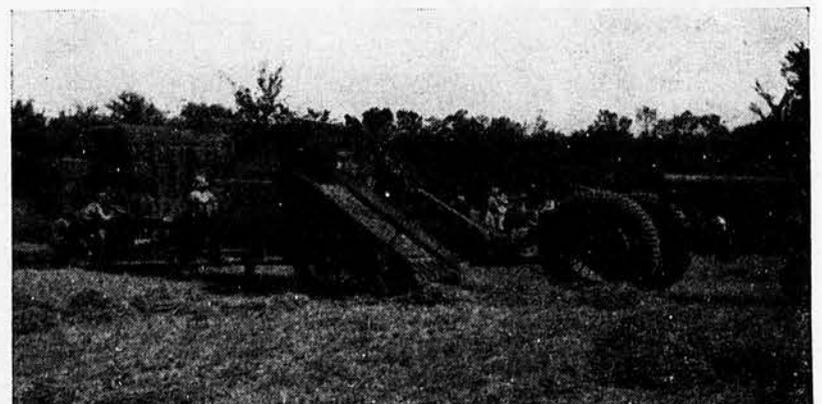
THE TIMKEN ROLLER BEARING COMPANY, CANTON, OHIO



**TIMKEN**  
 TAPERED ROLLER BEARINGS

NOTICE—Look for the trademark TIMKEN on every bearing, whether buying new equipment, or replacing a TIMKEN Bearing in your tractor, automobile, truck or farm machinery. That trade-mark is your assurance of quality.

COPYRIGHT 1941, BY THE TIMKEN ROLLER BEARING COMPANY



Power equipment and livestock raising go hand in hand. Proper care of feed crops improves its quality. A farmer in Chautauqua county uses a pick-up bailer to put up a large acreage of alfalfa at the proper time. Alfalfa is an excellent soil erosion control crop as well as a soil builder.

this way, it is not necessary to expand the cultivated acreage materially to justify its use.

It is recognized that unless a tractor runs at least 500 hours a year, the cost of ownership and operation will exceed the advantages gained thru labor saved. By diversifying crops and using the tractor in feed preservation, the number of hours can be materially increased. By planting legumes in the fall and spring along with small grains, followed by corn and grain sorghums, harvesting, silo filling, and feed grinding, a tractor can be used during all months of the year while one-crop farming on twice as many acres would actually utilize the machinery fewer hours.

Total machinery costs are represented in depreciation, operation expense, such as fuel oil and repairs, interest on investment and taxes. Machinery costs, including the above items together with any gain in income or expense due to custom work, amounted to \$3.92 a crop acre on the high-income farms in Northeast Kansas, compared to \$4.92 a crop acre on the low-income farms, and \$4.20 a crop acre for all 93 farms keeping records during 1939. Machinery cost is naturally influenced by the amount it is used as well as how it is used. Good machine sheds and repair shops encourage proper upkeep which will decrease the depreciation item of machinery costs as well as many repair items.

### Better Equipment in Use

(Continued from Page 13)

power units in the hayfield, but to date many of our haying machines do not fit tractor power. High-speed mounted tractor mowers have been available for some time. Dump rakes are not adaptable to tractor power. New tractor-type side-delivery rakes will probably increase in importance. These rakes are similar in construction to the horse-drawn rakes but have a 4-bar cylinder instead of the 3-bar cylinder, permitting higher ground travel speeds without increased cylinder speeds. The pick-up press which has appeared on the market recently is a simplified form at lower prices. The use of tractor power in the hay harvest creates problems that may be partly answered with this equipment. One of the main objections to baling hay for farm storage and consumption has been high cost. If baling costs can be lowered and at the same time displace some of the other haying operations, pick-up baling may be economical and practical.

Lister dammers and damming machines, in general, are a Kansas-used and Kansas-born development. They range in type from machines to form

dams in lister furrows, to machines built on the principle of a disk harrow, making small basins by the action of off-center disks. Their development has taken place largely in the last 10 years, and they have been widely used in the western areas. Soil and water conservation is their purpose.

In any resume of noteworthy farm machinery developments in the last 10 years, the high-compression tractor should be included. High-compression is not an invention or even a discovery. It is simply a trend in engine design that depends on fuel supply, fuel quality and fuel economy. Basically, the high-compression engine is a more efficient engine from the theoretical as well as practical point of view. It is more powerful for a given size. In high-compressing a gas engine, however, there is one very limiting factor and that is fuel quality. Cheap, low-grade fuels detonate or knock badly under high compression. Therefore, the high-compression engine must be a high-grade fuel engine and the fuel must be more expensive. There is, however, the advantage of lower fuel consumption to partly offset the higher fuel cost. The high-compression tractor engines now available require a better grade of gasoline. They will not handle distillate or kerosene, or the lowest grades of gasoline.

So far, high-compression engines burning gasoline have not been able to show lower fuel costs than the so-called low-grade fuel engines when they are burning distillate or cheap fuel. The difference is not great, however. In Kansas, there is also another angle to the situation. Most Kansas tractor owners burn gasoline. It is logical if gasoline is to be used extensively for fuel that it be burned in a tractor designed for gasoline and thereby gain what advantage there is in lower fuel consumption made possible by higher compression. As mentioned before, it is not likely that the decreased fuel consumption with high-compression will offset completely a 4- or 5-cent extra cost per gallon for fuel.

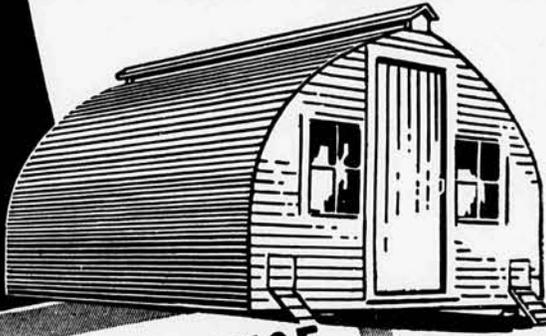
There are other advantages, of course, such as greater power and greater convenience. Low-cost power should be the first aim of every tractor owner. The high-compression tractor now generally available, offers the man who prefers to burn gasoline, a tractor that will handle it efficiently. The operator who wishes to burn distillate will want low-compression and he will have low-cost power, especially when burning the fuel for which his tractor was designed.

A close inspection of recent or new farm machines will show welded construction used to a greater extent. It means simpler construction and fewer bolts and nuts. It is a development that may go far.

Improved quality of materials is hard to see, but it is there in the new machines. It may be in the form of a harder bearing surface on a tractor crankshaft or a better cutting edge on a plow share, or more refined structure of the metal crystals within the casting. The science of metals has made big strides in the last 10 years. Better metals mean better machines.

### Washburn Boys Win

Washburn Rural High School, Topeka, has won honorable mention in the national Students All-American Holstein-Friesian Judging Contest sponsored by the extension service of The Holstein-Friesian Association of America, Brattleboro, Vt. The team scored 91 points of a possible 160. No team in the entire competition scored more than 124 points. Members of the Washburn Rural High School team are: Vernon Horton, Bob Chamberlain, Charles Sheets and Dick Sheets. Their instructor is H. A. Stewart, vocational agriculture director at the Washburn school. The boys competed with hundreds of other schools all over the country.



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### Receives Premier Title



Seen at the porch of his farm home is A. T. Hoover, of Detroit, prominent Dickinson county farmer, who is one of 2 new Kansas Premier Seed Growers, presented with gold medals signifying the highest honor that comes to a Kansas seed producer. Announcement was made during the 1941 Farm and Home Week in Manhattan.

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## Wheat Surplus Problem Next

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—While Congress is too busy now deciding how far it shall go in granting "all out" powers to President Roosevelt to try his hand in the game of European power politics, the problems of agriculture are not getting much attention in Congressional circles.

But in the Department of Agriculture and among farm organization leaders this is not the case. In the Department and among farm leaders it is felt, for instance, that a decision on the path to be followed in handling surplus wheat should be made as soon as possible after the so-called "land-lease" bill is out of the way.

That there is and will be a surplus, and that it will be too large for disposition in trade channels, is not denied. That Canada has proportionately an even larger surplus, also is known. And as long as Britain refuses to allow foodstuffs to be shipped to continental Europe, and at the same time can more than supply her own needs from Canada, Australia and the Argentine, there is little prospect for any American wheat to be exported.

In a way, 2 general plans, each with variations, are under consideration.

First, there is the proposal for higher commodity loans on wheat, to hold up the market price. Of course, the loans take the wheat out of trade channels—but the surplus under loan remains a threat on the market, any time the loan policy is modified. Also this plan would have a tendency to encourage surplus production by those outside the AAA program, due to the high price level.

Second, there is the income certificate program, virtually a processing tax. If it is adopted, those wheat growers in the AAA and who co-operate in adjusting acreage and production, would get a major part of the difference between market price and parity price on a limited production. Those outside would get a market price that probably would drop to such a low level as not to encourage growing wheat.

It seems almost inevitable that the Administration forces will line up for the income certificate plan. There are indications that the milling industry, on a showdown, will favor it or at least not fight it. And the grain exchanges are showing signs of taking it as the lesser of the 2 evils. The certificate (processing tax) plan at least would encourage the flow of wheat thru trade channels, where the "high loan" plan would tend to tie a lot of it up.

### Speech Gets Scrutiny

There has been a good deal of discussion of a speech made by Secretary of Agriculture Claude R. Wickard last month at Purdue University, Lafayette, Ind. There likely will be more as the significance of that speech becomes better understood.

Whether Wickard is right or wrong, he shows considerable courage in advocating a basic change in objectives of the national farm program. And neither wheat nor cotton growers are going to like what he said; odds are that the dairy sections also will get "hot" against his proposal.

Wickard says the American farmer cannot look forward to a return of what we have been calling "normal exports." The export business just isn't there, he believes.

Wickard says the farm program should be formulated and administered primarily for the "family-size farmer," rather than for the bigger commercial farmer. Nearly every one will agree with those words; there may not be such agreement if it is put into practice.

Wickard urges that farmers in the surplus crop areas be encouraged to produce dairy products at least for

their own consumption. That seems sound—but not to the dairy sections. Wisconsin throws fits every time a dairy cow is reported added to the animal population of the Cotton Belt.

Here are some excerpts from the Wickard Purdue speech. You can get a copy by writing the Press Service, U. S. Department of Agriculture, Washington, D. C.

"Here is the important thing to remember," says Secretary Wickard. "The long time trend in exports is downward. Just think of the letter X.

"Start the line of our farm exports at the upper left-hand corner of the X. That's 1900. The line goes down to the lower right-hand corner. That's 1940. Forty years of decline. Start the line of amount of farm goods produced in other countries at the lower left-hand corner of the X. That's the year 1900. It ends at the upper right-hand corner of the X. That's 1940. Forty years of increase in foreign production; 40 years decline in American farm exports."

That's the X in our equation for the future of American Agriculture, as Secretary Wickard sees it.

### Loans Are Gifts

In the period between World Wars I and II, he says, "We took some far-reaching steps to conceal the declining trend. We lent billions to Europe to buy our products."

Later we found that was a gift.

"Also during the period we decided to raise our tariffs—stopping exports."

No tariff man will accept the foregoing statement; your tariff man believes tariffs stop imports without stopping exports.

"We bought their gold, and they used some of the dollar exchange thus created to buy agricultural products. But war came and the dollar exchange created by the gold was used to buy armaments and not farm products," Wickard stated.

Wickard says, if we face squarely the proposition of loss of export markets, it is too simple a solution to say "reduce production," altho reduced production to market demand is the only "trade" way of maintaining price and income. He wants to work out a plan for increasing consumption, thereby minimizing production reduction required.

"We can't reduce the number of people who live on cotton farms, on wheat farms, on tobacco farms, in the same proportion we reduce the acreages of these commodities," is the next Wickard contention. He hopes for increased industrial production to take care of some of the people during the next few years.

The other solution he has in mind—and he does not maintain it is easy—is to increase the food consumption of the lower third (income rating) of the American people. Thinks it would be fine if these got enough income to eat more; until they do, he would extend the food stamp plan in cities; encourage production of more chickens, dairy products, and foods on family-size farms, even if it does at first glance frighten commercial farmers who insist that other farmers must buy commercial farm products, whether or not they can afford it.

Wickard dwells lightly also on Henry Ford's idea of part-time industrial work, part-time farming. It will work in some sections is not the national answer.

National Council of Farm Co-operatives has invited all farm organizations to join in a conference to try to agree on at least an immediate national farm program to meet war dislocations already in sight. If the Council can get the Grange, Farmers' Union, and Farm Bureau together—with itself—that would be something, indeed.



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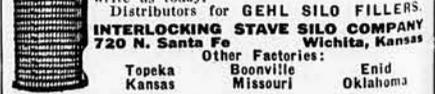
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## Getting Acquainted With YOUR PASTURE

By KLING L. ANDERSON

(Continued from January 25  
Kansas Farmer)

FEW pastures are entirely free of weeds, which often present a serious problem in the management of a pasture. It is a common observation that pastures in which the stands of grass have been thinned are always the weediest, the weeds having gained foothold only after the grass has been depleted. It may therefore be stated that the best weed control measure is proper grazing. In pastures where weeds have assumed a dominant position they provide serious competition to the grasses and their eradication will be necessary before much improvement can be expected.

Kinds of weeds present will determine the method of eradication, but in general the most practical way of destroying weeds is to mow them. Annual weeds should be mowed after they have made most of their top growth, but before they have matured any seed. The perennial weeds must also be prevented from producing seed, but for effective eradication it is necessary to mow them when they are most susceptible to injury by clipping. Like the grasses, perennial weeds start spring growth on food reserves in their roots, and by the time they bloom the supply of stored food reaches its lowest point. Clipping at this time is extremely injurious to the weeds because, in an effort to renew top growth, the root reserves are further depleted. Two or three annual mowings at about the time of blooming will be effective in the eradication of most perennial pasture weeds.

Weed eradication must be accompanied by grazing practices which will permit the return of a grass cover or the time and effort will have been wasted.

Water conservation in pastures has assumed a prominent place during recent years of drouth. Run-off and erosion have become serious in depleted pastures and the resulting loss of water has accentuated the effects of drouth. A good cover of grass is the most effective agency in the prevention of water loss by run-off, but in many pastures the grass is so depleted that run-off can only be controlled by some mechanical means such as contour furrows. Their use has become widespread in Western Kansas and many cattlemen report marked improvement following their construction.

### Lister Widely Used

A lister is most widely used in contouring, but any implement which leaves a furrow may be used. Walking plows, chisels and various types of homemade machines are employed, the chief consideration being that the furrows be made level.

The most effective use of permanent pastures depends upon their being supplemented by temporary crops at the seasons when grazing is likely to be injurious to them. Kansas farmers have a wide choice of such crops available for various seasons, and it should be possible to provide grazing for at least 10 months each year by the use of supplemental crops alone.

Winter wheat is the most widely used temporary pasture crop in Kansas. It is estimated that at least 65 per cent of the wheat seeded in this state is pastured during a part of the year. Under normal conditions grazing need not be injurious and may often be beneficial to the wheat crop.

Where grain production is the primary object the wheat is usually not planted early enough to provide a maximum of fall pasture and it cannot be grazed late in the spring without reducing the grain yield. It is therefore suggested that on farms with live-

stock, a field of wheat be planted early to be used only for grazing. It will provide early fall pasture after which the livestock may be grazed on the wheat fields. In the spring the wheat seeded for pasture may again be used when the livestock have to be removed from the wheat fields about April 1, and should provide grazing until some time in June.

Value of wheat for pasture is fully realized by most Kansas farmers. A. E. Wurth, of Ashland, has found it to be more profitable as a pasture crop than as a grain crop and "harvests" it with steers instead of with a combine. This permits him to defer the grazing on his native pastures.

Rye is adapted to all parts of Kansas and is superior to wheat for pasture because it generally gives higher forage yields. It is more resistant to cold and is therefore likely to grow later in the fall and to start spring growth earlier. In wheat-producing areas there may be some objection to rye because of the danger of contaminating wheat fields, but where the drill is cleaned carefully and the pasture is plowed before seed can mature, rye can cause little damage. It is increasing in popularity and was used by many of those who took part in the Kansas Farmer pasture contest last year.

### Sudan Best in Summer

Spring oats and barley may be used for pasture and give excellent results, but they provide a shorter grazing season than the winter cereals. Winter barley, of course, may be used in the same manner as wheat for pasture where it is adapted. J. K. Muse, of Pherson, is able to supply early fall grazing with Reno winter barley.

Sudan grass is the best summer-growing temporary pasture in Kansas being adapted to the entire state. In Eastern Kansas it is drilled at the rate of 20 to 25 pounds an acre, the rate gradually decreasing farther west. In the drier areas it is becoming a common practice to seed it in widely spaced rows on the contour. C. E. Duston, of Smith county, and Nathan W. Davis, of Phillips county, both report increased yields by this method in the dry season of 1940. Where moisture is more abundant the crop should be drilled.

Sudan grass is a warm-weather crop so should not be seeded early. June 1 is a satisfactory seeding date, and when seeded at that time it should be ready for grazing by July 1 or soon after.

Sweet clover is an excellent pasture and soil-building crop for Eastern and Central Kansas. It will provide more spring grazing in its second year of growth than any other pasture crop in this state. Sweet clover is drilled about oats seeding time on a firm, well-prepared seedbed at the rate of 12 to 15 pounds an acre. It will be ready for grazing by September 1 or sooner, but close, early grazing is likely to reduce its second season yields.

C. A. McClaghry, Sedgwick county, uses Sweet clover pasture each year for his dairy herd and reports that its use permits deferred grazing on his native pastures. Walter Pierce, of Reno county, former winner of the diversified section of the Kansas Farmer pasture contest, is an enthusiastic booster for Sweet clover, as are J. K. Muse, of McPherson, winner of the 1940 contest, and Tom Regier, of Moundridge.

These temporary crops are valuable supplements to native grasslands and are of great aid in its proper management, but this should not be considered their only value. They are important pasture crops in their own right and provide a profitable method of land utilization on any livestock farm. Their use is increasing as it rightly should.



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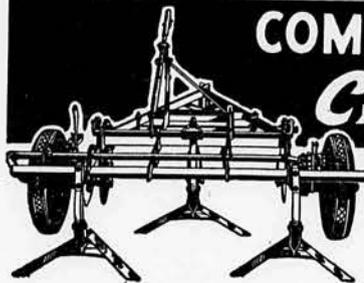
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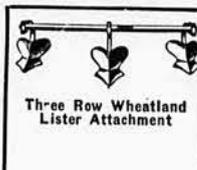
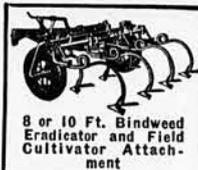
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# Our Crop Reporters Say . . .

**Allen**—An excess of moisture, too wet to get feed out of fields handily, good for wheat which is looking fine. Stock doing well because of mild winter and plenty of feed. Flocks of poultry that are well cared for are producing well. Several are going to put out more grass. Eggs, 15c.—T. E. Whitlow.

**Anderson**—Abundance of moisture, ground should be thoroughly soaked because of rains and snows during the past month, dirt roads nearly impassable. Wheat condition about the same. Egg and cream prices lower. Stock does not get much good out of their feed when it is wet and frozen. All farm work at a standstill. Cream, 23c; eggs, 15c.—C. E. Kiblinger.

**Barber**—Plenty of moisture. Some fields of wheat will be planted to oats as the wheat has died; November freeze hard on some fields and worms destroyed some. Farm prices good. Livestock and poultry coming thru winter in good condition. Most farmers like the farm program. There will be a number of fields planted to row crops, corn, Atlas sorgo, maize and kafir. There is quite a lot of interest in pasture. Livestock bringing good prices at the community sales. Wheat, 67c; cream, 30c; eggs, 14c; heavy hens, 11c.—Albert Pelton.

**Barton**—Many farmers co-operating with the AAA program. Much foggy weather, a great deal of moisture has fallen in the form of snow, rain and sleet. Sugar beet harvest is finished. Eggs, 13c to 15c; butterfat, 21c to 27c; wheat, 70c; shorts, \$1.05; mill run, \$1; bran, 95c.—Alice Everett.

**Brown**—Snow and more snow on top of a big rain, which was a season oddity with a lot of thunder and lightning. Stock doing well and feed holding out, some is moving. A pick-up of interest in hogs as the market soared. Stock pigs sell double or more than a while back. Quite a bit of corn moving at around 52c. A lot of ground was plowed during the nice weather. Everybody busy cutting wood, getting hybrid seed corn and looking over new machinery.—L. H. Shannon.

**Brown**—About 18 inches of snow on the level, which insures plenty of moisture. Wheat looking good. Many farm sales and all property is selling at a good price. Seems to be plenty of feed and stock is in good condition. Hatcheries are running full blast. Price of eggs is not pleasing to the producer. Corn, 52c; eggs, 14c; cream, 35c.—E. E. Taylor.

**Butler**—Excessive moisture has made cross-country roads almost impassable. Wheat and winter barley doing well and are showing no winter killing. There is much combining of row crops yet to be done. Sorghums made a fair yield, corn yield was very light. A good many cattle were fed out here this winter and a number are still in the feed lots. Very few hogs in the country. Stockers are selling very high. Wood sawing, hedge cutting and chores are in order. Unit No. 2 of the REA in Butler county is progressing as well as it can, considering the bottomless roads. Even the rock roads are getting bad.—Aaron Thomas.

**Chautauqua**—Plenty of moisture, fields very muddy. AAA community educational meetings being held, few changes in program are wanted. It is difficult to fix a set

rule to govern all interested. Bad weather for wintering stock cattle. Wheat looks fair to good. Very little plowing done for oats, too much wet weather. Usual interest in baby chicks. Combining and threshing of the sorghum crops very low.—Cloy W. Brazle.

**Cherokee**—Weather has been fine for wheat. Fields and roads are so muddy quite a number of acres of corn haven't been husked. Corn far better this year than in many years. There is a lot of coal hauling so all people have fuel. Many mines have run all summer, autumn and winter, so people have a living.—J. H. Van Horn.

**Clark**—Moisture conditions very favorable. Wheat starting to green up, looks as if Clark county will have extra good wheat pasture this spring. This county voted the new farm program. Cattle wintering fairly well. The most interest is shown in grass land. Will be more barley, oats and feed sown this spring. Maize, kafir and Atlas sorgo, 70c; barley, 90c; wheat, 70c.—G. P. Harvey.

**Coffey**—Too much moisture for time of year, pretty wet for wheat. Farm prices about the same as they have been. Some are not very well satisfied with farm program. No change in crops this spring. Don't think people expect to pasture as heavy as last year.—C. W. Carter.

**Coffey**—The moisture problem getting bad, feed rotting in fields, it can scarcely be hauled to feed lots, too much wind, subsoil sure is wet. It seems as if the freezing and thawing is pulling some of the wheat. Quite a number of farms have sold the past year. Prices getting some higher. The farm program could be improved quite a bit. There is some inquiry now for pasture. Looks as if oats sowing will be late.—James McHill.

**Cowley**—Moisture deeper in the ground than we have had in 12 or 15 years. Wheat in fine condition. Fields are soft to get feed out for stock. Prices of farm land about the same as last year, not much changing hands. Stock and poultry doing well. People are saying very little about the farm program, not much interested.—K. D. Olin.

**Dickinson**—Weather continues raw and foggy, very little sunshine the last 20 days, soil soaked better than for 10 years. Feed mostly in fields yet and the ground too wet to pull out a load. Hard on stock as the yards are a mud wallow. Wheat looks good but the price is not so hot. A lot of the farm boys will go to the army camps soon. Spring work will be late unless we get some dry weather soon. Wheat, 68c; corn, 63c; eggs, 13c to 14c.—F. M. Lorson.

**Doniphan**—A lot of moisture this winter, which nearly all went into the ground. Wheat that failed to come up in the fall is like the orchards and shrubbery—one guess is as good as another. Livestock and poultry doing well. Plenty of feed. Stock pigs high. Farm sales satisfactory. Farm program like other years, not very well explained at this time. Fat hogs, 8c; eggs, 13c.—Robert Benitz.

**Douglas**—Doing chores and other work in muddy, snowy or icy farm lots for weeks may be hard and unpleasant, but most farmers glad to have a good supply of sur-

face and subsoil moisture, and are anticipating good crops. Considerable wood sold to farmers who have no timber or saw rigs. Sheep and lambs have needed extra care. Loss of many lambs due to cold, wet weather and feed poison.—Mrs. G. L. Glenn.

**Edwards**—Wheat has abundance of moisture, has grown in the last months providing pasture for hundreds of cattle and sheep. The farm program seems to please majority of the farmers. Poultry flocks will be increased this year. Prices of grain not very satisfactory.—Myrtle B. Davis.

**Ellis**—We had about 4 inches of snow January 20 which will help the coming wheat crop. Cattle going thru winter in good condition with plenty of feed. There are more cattle than a year ago. Hogs more scarce than a year ago. Wheat, 68c; corn, 70c; eggs, 12c.—C. F. Erbert.

**Finney**—Plenty of moisture this fall and winter. Have the best prospect for a big wheat crop since 1931. We had a hard freeze in November which killed some wheat, but there is plenty for a stand. Farm prices for farm products not so good. Livestock doing well on wheat pasture and plenty of row crop feed this winter. There is lots of feed for sale now. Farm folks are well pleased with the farm program. Very little crop changes expected this spring because wheat crop has a good show. There is very little interest in pasture. Wheat, 68c; barley, 60c; maize, 60c; kafir, 60c; hogs, \$7.25; eggs, 15c; cream, 26c.—Joseph J. Ohmes.

**Ford**—We had a rainy, snowy week thru January 20 to 25. Wheat still on the up and up. Farmers advocate a certificate for parity price on domestically-consumed wheat and no restriction on cropping, for wheat that is consumed domestically will be of greater help to the farmer than the AAA dole. They believe if too large a crop is raised to consume that it will cut down production better than a supervisor with a wheel measuring the fields. Twenty-six tons of beets to the acre was the highest in the 7-county district that shipped to Garden City sugar mill. Average in Ford county was 15½ tons to the acre. The digging and siloing of beets was tried out and found no loss from sugar content was had. Taking the beets out of the ground about November 1 will save the farmers a loss. Our state ranks fourth in sheep this year, and it was 13th last year.—Cressie Zirkle.

**Franklin**—Moisture situation is O. K., at least for the present. Fields soft and a lot of corn in them. Wheat mostly in fair condition, barring February freezes. I think it will come thru in good condition. Farm prices pretty good, a trifle low in spots. Livestock and poultry are not doing well because of cold, wet, disagreeable weather. There is more harvest in pastures; a lot of them will have to be reseeded before there will be much pasture. A good many folks seem to think the farm program is the stuff. I think some crop changes will be made in the spring. I imagine more grass and oats will be sown, if the ground ever dries up. Wheat, 75c; corn, 50c to 52c; oats, 30c; barley, 42; kafir, 75c.—Elias Blankenbeker.

**Geary**—Plenty of rain and snow and, if much more comes before this dries out, will make feed lots almost impassable, and may cause serious damage to gravel roads. Wheat looks fine. Plenty of feed for livestock but very difficult to get feed to them and stock not doing as well as average because of wet weather. Several poultry flocks have chicken pox. Most farm prices satisfactory except wheat; also, poultry and eggs are rather low.—L. J. Hoover.

**Greenwood**—Rain, snow and mud are what the farmer has to contend with. Feed will be plentiful but is damaged considerably by wet weather. Wheat still seems to be in good condition. Roads nearly impassable and the fields are almost impossible to get in with team and wagon. Some demand for corn and rough feed. Most of the farmers think well of the Government farm assistance. Corn, 55c.—A. H. Brothers.

**Harper**—Plenty of moisture for wheat. Ground on which barley was frozen out will be drilled to oats. No doubt oats sowing will be delayed because of wet ground. There is no wheat pasture. Livestock holding its own on dry feeds. There is much interest shown in pastures because of increased price of cattle and the probable overproduction of wheat. About the usual demand for baby chicks. There is an increased interest in gardening and early planting of trees and shrubs. Shelter belts made excellent growth in this county last year.—Mrs. W. A. Luebke.

**Harvey**—The moisture situation is just fine. The snow that fell here recently has not melted yet and the ground was well soaked beforehand. Wheat condition much the same. Livestock and poultry doing fine. Folks think the farm program is all O. K. No changes of importance suggested. No crop changes expected this spring. Some interest in pastures. Wheat, 68c; corn, 58c; oats, 30c; barley, 40c; eggs, 10c; butterfat, 29c; hens, 11c.—H. W. Prouty.

**Jefferson**—There is more water in the ground than any time in recent years. Everything thoroughly soaked. Fields so wet all winter, many crops not gathered. Exact condition of wheat can't be determined. Folks not satisfied with poultry and egg prices. More folks interested in contour farming and modern methods. Planning to



"The fourth grade teacher wants you to come out and start her car."

buy garden seeds, potatoes, seed corn and baby chicks.—Mrs. Ray Longacre.

**Jewell**—Wheat looks fine and we are receiving enough moisture to keep the soil very wet. Most farmers have completed their wood cutting. Public sales not so numerous but things sell well at public sales. Lots of feed being trucked in from Mitchell county. Feed cheap. There seems to be a good demand for pigs and young calves. All livestock selling high. Horse market is better than for some time. Ponds mostly all dry, no ice yet thick enough to fill ice houses. Jewell-Mitchell Co-op to build 200 more REA lines this spring. About the same acreage of crops will be seeded this year as last year. Farmers beginning to get little chicks. Not much comment on the AAA this winter.—Lester Broyles.

**Johnson**—It has been many years since rainfall and snow have been so heavy as in January; 5 inches of water and sloshy snow on the ground. Wheat condition is considered satisfactory. No complaint being made about health of livestock and poultry. Some new co-operators reported in the farm program—not so much said about this project as in earlier years, taken for granted more now. Probably there will be fewer acres seeded to wheat this year. More corn here and a smaller acreage of melons and potatoes. Pastures in this area have shown more comeback than was expected; however, efforts to improve them will continue. All prices of livestock please except those paid for poultry and eggs. A better demand for milk exists than for some time.—Bertha Bell Whitelaw.

**Lane**—Moisture conditions very favorable. Side roads have been bad for weeks. Wheat prospects best in years. Most grain low in price except wheat. Exceptional weather for livestock. January was unusually wet and cloudy but no severe storms. Farm program generally approved but a loud roar about hidden taxes. Not much change in crop acreage. All agree that more pasture is needed.—A. R. Bentley.

**Linn**—Plenty of moisture in the form of snow and some rain. Wheat is looking better. Fall barley is coming out O. K. This weather is bad on most livestock. Hatcheries are beginning to buy hatching eggs. Farmers have begun to think of sowing oats, looking for a few days of sunshine to get soil in condition. Some farmers are hauling wheat to market. Lots of kafir not headed yet. Wheat, 70c; corn, 50c; barley, 50c; oats, 30c; eggs, 14c; cream, 26c.—W. E. Rigdon.

**Logan**—Light rains and snows keeping ground moist and the wheat is coming along fine. The grass is coming back to quite an extent and there are some who are talking about deferred grazing and other plans of pasture improvement. Farm prices are not very satisfactory. Livestock doing well and they are selling good. Cream, 30c; eggs, 12c.—H. R. Jones.

**Lyon**—The moisture condition great for winter. No change in wheat condition. Cold rains, snow and sleet for 6 weeks was hard on stock. Hens not well housed and well fed have quit laying eggs for more than a month. Farmers who have pastures will either rent, or take cattle to pasture. Hens and eggs are cheap as the price of feed. Wheat, 67c; corn, 54c; kafir, 40c; hens, 7c; eggs, 12c to 15c. Stores sell eggs 2 dozen for 43c.—E. R. Griffith.

**Marshall**—We have plenty of moisture. This freezing and thawing is hurting our wheat prospects. Livestock and poultry doing fine. Hogs hit a new top at Frankfort sale, \$8.20 top. Lots of moving this spring. No farms to rent. About 50-50 for farm program. Secretary of Agriculture has all the farmers going wild on hogs. He told them they would have to raise more hogs and, believe me, they have taken him at his word. Boars and brood sows are in good demand. Lots of 1941 lambs. All the women enthusiastic over baby chicks. Eggs, 14c; cream, 27c; corn, 50c; wheat, 71c.—J. D. Stosz.

**Nemaha**—We have received plenty of moisture. Fields are soft. Most wheat looking good. Livestock and poultry doing well. Plenty of feed and selling cheap. Most farmers will go along with the farm program. While farmers do not think the program is the answer to the farm problem, they feel they may as well reap the benefits as they

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probably will pay for it later. Do not believe there will be any important crop changes this spring. There seems to be a growing interest in pasture. Many farmers handling beef cattle and calves that usually don't have them. Feeder cattle and milk cows selling extremely high.—E. A. Moser.

**Neosho**—Moisture sufficient, subsoil getting soaked. Wheat condition good—nice and green, smaller acreage than usual. Farm and community sales well attended. Livestock of all kinds and poultry sell at good prices. Great interest taken in conservation and farm programs. Farmers expecting to plant more corn than usual. More acreage of oats seeded annually, possibly late seeding. Fields very wet, a task to get feed from fields. Pastures should have an abundance of feed as there seems to be a scarcity of livestock. Prospects for good crops. More rain water everywhere. Coal, \$3 to \$5 a ton; prairie hay, \$3 to \$5 a ton; wheat, 68c; corn, 50c; kafir, 37c; oats, 30c; hens, 13c; eggs, 15c; butterfat, 30c.—James D. McHenry.

**Osborne**—A 3/8-inch rain fell recently, all going into ground. Tests made by county agent show 30 inches of moisture in wheat fields. There will be more corn planted this spring. More careful handling of pastures being stressed. Wheat still in perfect condition. Livestock doing well. Feed has been damaged by much wet weather since early in November. Some threshing to be done yet. A few farm sales with good prices prevailing. No ice harvest to date. Good milk cows sell high and the demand is good. Plenty of subsoil moisture will change spring crop plans. Most farmers will welcome times that will allow them to make own farm programs.—Niles C. Endsley.

**Pawnee**—Fields are sloppy from last snow. Moisture has soaked down about 2 feet. Wheat condition remains about the same. The egg and butterfat markets continue to decline. Farmers continue to favor the farm program, but we could still appreciate a raise in the price of wheat. Much wheat moving to market. Bundle feed and ensilage cheap. The annual sheep and wool school was well attended.—Paul Haney.

**Republic**—Moisture situation remains wet as sop, and row crops remain in field unthreshed. Condition of damaged wheat and new sown alfalfa will not be known until spring. Livestock and poultry doing well. This county has rough feed for sale. Stock cattle very high and egg prices are too low. Farmers mostly optimistic except the all-wheat farmers. Most important question—when will the war situation clear up? Another question—why are there so many labor strikes? If they can draft our boys, why not the laborers? What is an emergency?—A. R. Snapp.

**Riley**—Lots of rain and snow, most of it soaking into the ground as there is not much frost in the ground. Wheat condition good. Prices going up. Cattle high, good demand. Tops on fat hogs at our community sale January 21, was \$8. Farmers very much divided on farm program. Wheat prices lower.—Henry Blitscher.

**Rooks**—Most farmers feel that if \$1.15 a bushel for wheat is parity, that is what should be the loan value on that raised from the AAA acres. Practices which lead to red tape and so many jobs should be discarded. We have had plenty of moisture. Some wheat winter killed. Quite a number of cattle sick and some being lost. Eggs, 10c; butterfat, 27c.—C. O. Thomas.

**Rush**—December and January have supplied an abundance of moisture. There is more soil moisture now than any other time during the last 10 years. Tests show pasture sod to be wet to a depth of 30 inches and most cultivated fields even deeper. There has been considerable winter killing of wheat in spots. More spring crops will be planted because of the moisture supply. Livestock doing well, poultry not so good; poultry not being fed balanced rations because of everything having to be bought. Pasture prospects good. Very little is heard about the farm program.—Wm. Crottinger.

**Russell**—Wheat damage due to November 10 freeze is estimated at about 25 per cent to the north half, 20 per cent damage to the southwest one-fourth, balance of county seems to be normal unless the late wheat which was re-drilled freezes out. Moisture plentiful now. Somewhat too early in the season for much change in wheat condition. Prices of farm products all good except on wheat. Livestock and poultry doing well; poultry doesn't pay for feed at 13c

a dozen for eggs. Farm Program participation, 23 per cent. It is needless to say that the program is essential to the farmer. And just too many are on the county list getting really better apples and better oranges than most folks can afford to buy; and taxpayers taxed to the limit. Changes suggested, yes; marketing quota on wheat. More small grain crops, other than wheat, will be planted this spring, as farmers will again go more for livestock as more interest is taken in pasture and grass has again improved to such an extent that many farmers will diversify as outlined by the AAA procedure of good farming. Corn, 45c; kafir, 50c.—Mrs. Mary Bushell.

**Smith**—Moisture condition very good. Nice snow recently. Without a doubt the wheat is damaged, but to what per cent can't be determined yet. Livestock and poultry are coming on well. Plenty of feed and some wheat and rye pasture. Very heavy sign-up on farm program and not much change from last year. About the usual crops will be planted, running to kafir and sorghums. Lamb crop just starting. Ewes in good condition. Wheat, 68c; corn, 63c; eggs, 16c; cream, 28c.—Harry Saunders.

**Summer**—Excess moisture has made the fields too muddy for pasturing wheat. Wheat is generally small but growing. Oat seeding will be held back except a very small part on fall plowing. Plenty of sunshine needed for livestock. Feedlots are in very bad condition. Some hedge being cut. Other than daily chores, farm work at a standstill. Many fields of shocked feed standing. Most farmers keeping hogs and turkeys for breeding purposes. Hatcheries are running, eggs cheap.—M. Bryan.

**Trego**—The most moisture during January for several years. Good many report summer fallow wheat partly winterkilled,

some as high as 60 per cent. Wheat allotment checks slow in arriving, 2 weeks later than last year and still not here. Eggs, 11c; cream, 27c.—Ella M. Whisler.

**Wabaunsee**—The continued wet weather making side roads impassable and fields impossible for feed hauling. The feedlots have deep mud. Farmers with stock would appreciate clear, dry weather. The farmers seem eager to have grain and stock prices become higher, and they are anxiously waiting to see what the farm program will be this year.—Mrs. Charles Jacobs.

**Wilson**—Wheat looks good, lots of moisture in ground. Plenty of feed on hand. Stock doing well. A few public sales with good prices.—Mrs. A. E. Burgess.

**Wyandotte**—Rains and snow have filled the subsoil in some places to a depth of 8 feet; recent snow will benefit wheat greatly. Livestock in good condition despite muddy pens and feedlots. Alfalfa, \$8 to \$15, fair demand. Corn, 50c and scarce, as much is still to be husked. Not much interest in Government farm program among grain farmers. Cattle high. Good cows scarce. Hogs also scarce. Horses and mules cheap.—Warren Scott.

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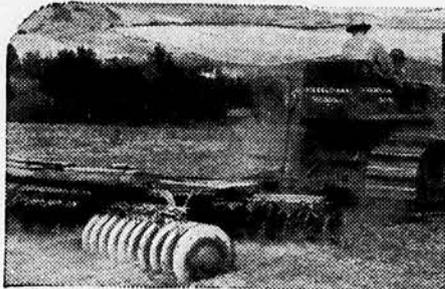
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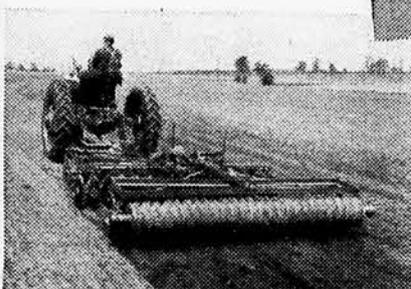


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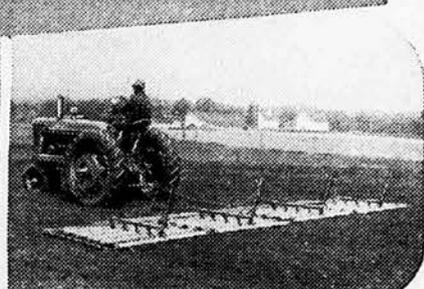
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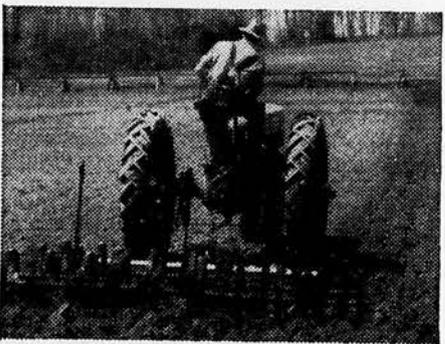
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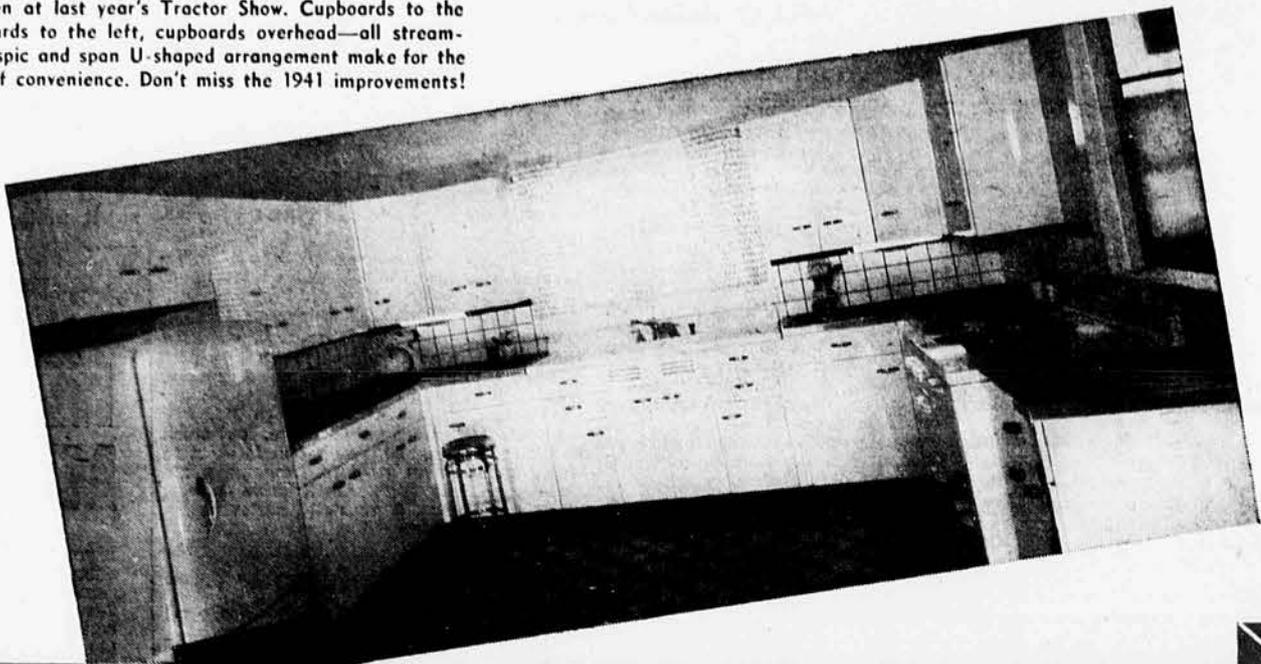
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Does Biddy need new furniture? Or does she need a new house? Two new bulletins put out by the Kansas State Extension Service includes complete blueprints, bills of materials, and directions for making poultry feeders, rear entrance nests, runways for chicks, and the Kansas straw-loft poultry house. If you would like a free copy of "Comfort for Biddy" and "Furniture for Biddy," drop a card to Farm Service Editor, Kansas Farmer, Topeka.

Model kitchen at last year's Tractor Show. Cupboards to the right, cupboards to the left, cupboards overhead—all streamlined into a spic and span U-shaped arrangement make for the nth degree of convenience. Don't miss the 1941 improvements!

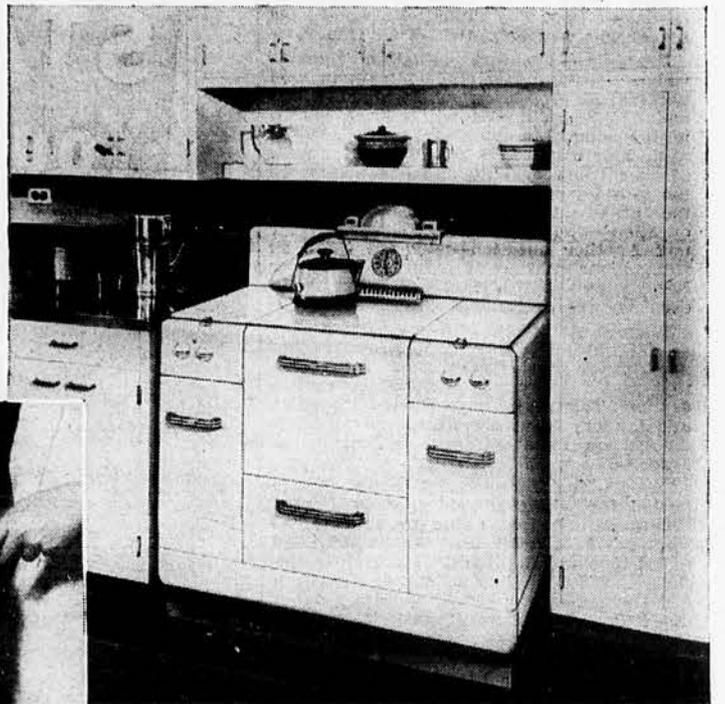


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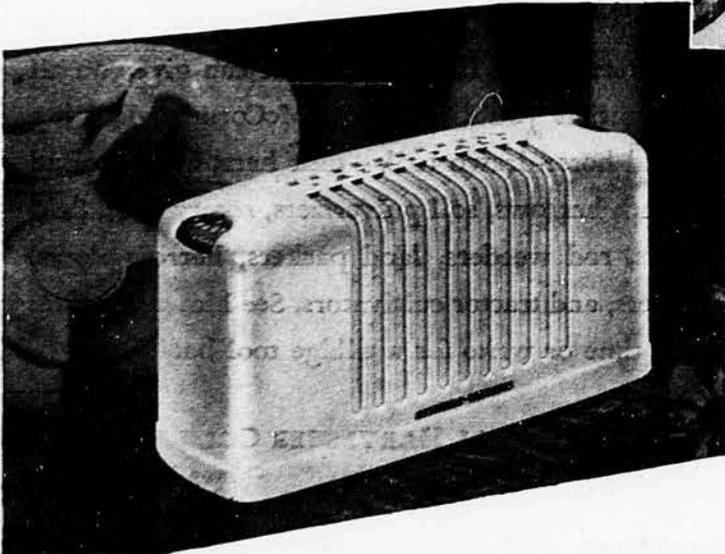


Since "sad irons" became a thing of the past, ironing is no longer a dreaded drudgery. This modern homemaker lets an electric ironer do the work. She simply guides the clothes thru.

Recessed between work-table and storage cabinet is this gleaming white porcelain range, remindful of the attractive kitchen in the Herbert Gress ranch home, high on the hills above Medicine Lodge, where butane is used for both cooking and heating. Similar models are available for bottled-gas, as well as manufactured and natural gas.

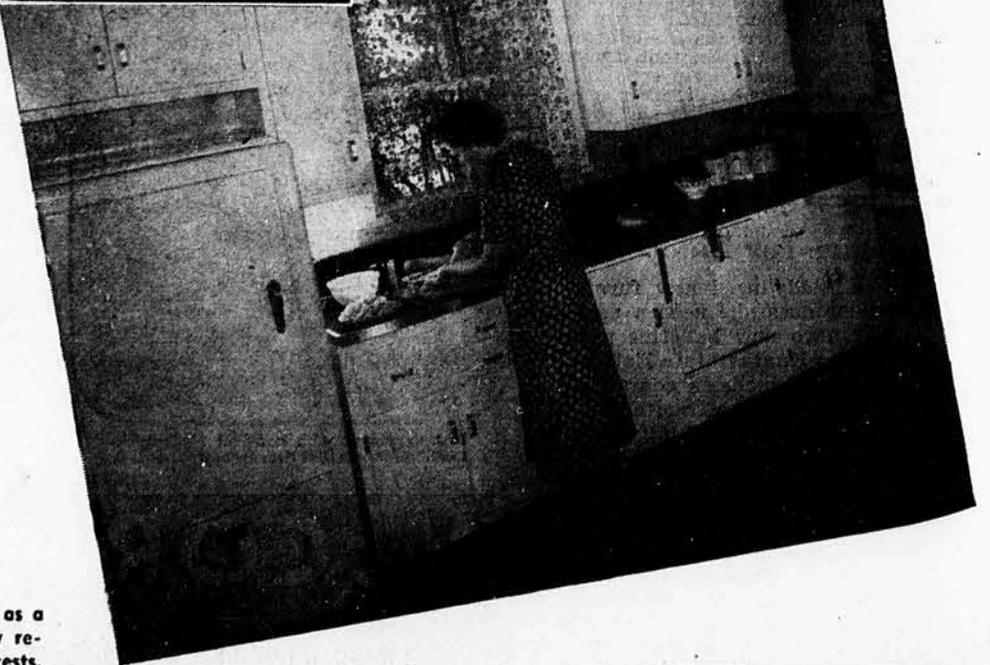


Not power equipment, but "more power to it," says every homemaker who uses a large-size cooker that takes care of meat, vegetables and dessert all at the same time.



The ultimate in luxuries—a midget model radio brings the latest news and favorite entertainers right to one's bedside. Why not plug it in the kitchen while you roll out the pie dough?

An all-electrified kitchen like that at the right, planned as a modern cook shop, saves two-thirds of the time formerly required to prepare meals, technicians have ascertained thru tests.



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Mrs. Raymond E. Parcel



Mrs. Joseph C. Dawes

## Women's Honors Move Westward

By RUTH GOODALL

WESTERN Kansas women took the spotlight when Kansas Farmer this week in its annual salute to rural homemaking, conferred the honorary degree of Master Farm Homemaker upon Mrs. Joseph C. Dawes, of Colby, and Mrs. Raymond E. Parcel, of Coldwater. These farm women chosen "to wear the 1941 homemaking crowns" were officially presented Friday night, February 7, at the Achievement banquet which is the grand finale of Farm and Home Week activities in Manhattan, Fond families, and many formerly recognized Master Farmers and Master Homemakers, formed part of the select crowd of farm leaders who filled Nichols gymnasium to capacity, and beamed and cheered their approval.

This is the third consecutive year this distinctive homemaking honor has been bestowed upon Kansas' outstanding rural women. With only 2 women from the entire state recognized each year, the selection is, of necessity, meticulously made. The judging is a difficult task, painstakingly performed, and Kansas Farmer is always a little more than ordinarily proud of those women whose homemaking it finds typical of the highest standards of our state's farm home life.

The Master Farm Homemaker award holds a spot near and dear to the heart of Senator Capper, who sponsors the project thru his farm publication, Kansas Farmer. Unable to be present, the Senator telegraphed his greetings and Tom McNeal, editor, presented each woman with a gold pin and a certificate of achievement, awarded "in recognition of her intelligence and skill in managing a successful farm home; in maintaining healthy, happy, human relationships; in her broader vision as a community homemaker, and in recognition of the contribution her individual efforts have had in building a more satisfying farm life in the state."

### "Found Not Wanting"

Having passed the specifications and "found not wanting" by the judges, we take a rightful pride in putting our stamp of approval upon Mrs. Dawes and Mrs. Parcel, the 1941 class of Master Farm Homemakers. But read of their personal achievements and you'll not wonder.

Mrs. Dawes—her given name is Gladys Lillian—hails from next-to-the-last county in the state, both north and west, Thomas county. To say that Thomas county folks are thrilled over her selection is putting it mildly; they are "pleased as Punch." She has that enviable reputation in her county of being a "woman with an idea whose ideas are always good," a person who is vitally interested in all church, civic and community affairs.

The Dawes family, Mr. and Mrs. Joseph E. Dawes, their married daughter, son-in-law and little grand-daughter, live on a 2,080-acre farm devoted to general farming. Besides, the son-in-law farms an additional 480 acres. They have lived on this same farm for 23 years and in the community since

their marriage 27 years ago. Mr. Dawes was born in the county. Mrs. Dawes came to Western Kansas from Nebraska, a girl in her teens. The Dawes family live in a comfortable 8-room home 10 miles southwest of Colby, that land of wide open spaces where houses are far apart and few between. It has that "homey" atmosphere that suggests a "heap o' livin'" which is easily understood, once you meet Mrs. Dawes, for her brand of homemaking includes that warming glow of hospitality that bids an instant welcome.

Deeply interested in landscape gardening, Mrs. Dawes intends to carry out an extensive program of improvement the next 5 years under the direction of the extension landscape gardener. At present she has a beautiful lawn and many kinds of flowers in her flower garden. So that many community activities might be enjoyed at her hospitable home, she built an outdoor fireplace with plenty of seats to take care of a good-size group for summer out-of-doors suppers and amusement.

### Promotes Mutual Understanding

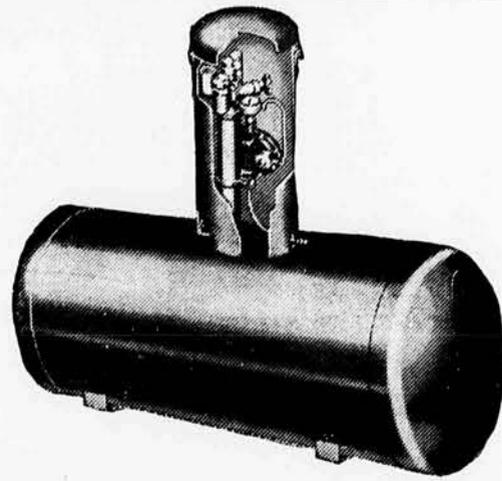
At present Mrs. Dawes is Home and Community chairman for Thomas county, representing the State Farm Bureau. At the county's annual Farm Bureau meeting, it was said that never had a better report of any meeting been heard, than Mrs. Dawes gave of her attendance at the State Farm Bureau meeting.

She was the instigator in bringing town and country women together to promote a better mutual understanding for both groups. Result: the organization of the Thomas County Council of Women with a membership from town and country clubs—and Mrs. Dawes serving as the first president.

Belonging to the Colby Methodist church, she is a working and office-holding member of its 3 women's organizations. Appointed on the central committee for the Thomas County Hospital Association, she helped raise a very necessary \$1,100, and was selected to explain the plan of this new hospital to the women of the county. She has held several offices in the American Legion Auxillary of which she has been an active member since 1932. When their only daughter was in school, Mrs. Dawes was a member of the P.-T. A. Finishing her education at Colorado University, the Dawes' daughter, Bessie Dawes Calliham, majored in music—married a farmer.

Mrs. Dawes says she finds Farm Bureau work more interesting than any of her other activities, and thoroly enjoys her membership in Liberty Unit, not only for the many useful lessons she has received but for the broad outlook it has given her family. It is self-evident that Liberty Unit in turn enjoys Mrs. Dawes, for it sponsored her for the Master Homemaker honor. She has been its president, a project leader, both president and vice-president of

(Continued on Page 32)



## Western Butane Gas System

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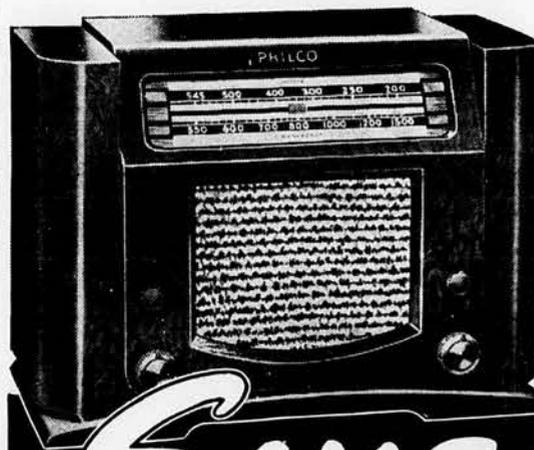
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## Women's Honors Move Westward

(Continued from Page 31)

the County Advisory Council of Women's Farm Bureau Units.

How she does it all, we don't know, for aside from her super-numerous activities, Mrs. Dawes keeps her household running smoothly, finds time to help her husband with many of the farm tasks, and still has time to read good books and keep up with her bible study.

No less a paragon of feminine virtues when it comes to getting things done is Winifred Meers Parcel, the wife of Raymond E. Parcel, Comanche county farmer, and member of the 1935 Master Farmer class. The last is a mere happen-stance—this award comes to Mrs. Parcel thru her own individual record of achievement based upon personal merit, and no one could be more deserving of the honor, anyone in Comanche county will tell you.

For 22 years the Parcels have lived on an 800-acre general farm southeast of Coldwater 6 miles. Besides, they own and operate a 2,200-acre ranch,

and lease 800 acres more. Their 2-story, 8-room square frame house is painted white and has both an open and a screened porch. They have built an outdoor fireplace and planted the farmstead with a large variety of trees, shrubs and vines in co-operation with the Woodward Great Plains station. Their home is a welcome sight to the stranger passing by—and friends are always welcome there.

Altho born on a farm in Canada, Mrs. Parcel spent most of her girl and young womanhood in town. Coming to Kansas at the age of 10 she did not return to the farm until she married Mr. Parcel, a native of Comanche county. The Parcels have 2 children, a boy and a girl—Clair, a freshman at Kansas State College, and Louise, a high school senior.

Mrs. Parcel is a 4-H Club sponsor and is to a large extent responsible for the high quality of 4-H work done in that community which has had several Chicago trip winners in past years. Both of her children might be labeled exhibits A and B of her 4-H leadership. Louise was awarded a trip to the National 4-H Club Congress in Chicago last November as the State 4-H Home economics champion. Clair is to have a trip to Washington, D. C., this coming June. This award is made for his outstanding 4-H leadership work. Only 2 boys and 2 girls are awarded this trip from Kansas each year. This announcement was not made until December, last, yet Clair is attending Kansas State College this year, having received a \$150 scholarship from the Who's Who 4-H Club organization last spring.

Liked by all her neighbors, Mrs. Parcel is recognized in her community as an outstanding homemaker and is one of the first to help any who need it. The school, 4-H Club and Farm Bureau Unit are the 3 organizations in her community and Mrs. Parcel is their staunchest supporter. She has served as school district treasurer, and the secretary of the county school board association. In her Farm Bureau unit she has run the gamut of its offices—president, vice-president, treasurer, reporter, pianist, song leader, health leader. At various times she has been 4-H sponsor, 4-H foods leader, reporter 4-H Council, member 4-H executive board, and treasurer of the county chorus.

The Parcel family attends the Presbyterian church in Coldwater, where Mrs. Parcel serves as Sunday school teacher, pianist and junior superintendent. All of which may sound like a mad scramble to get things done—somehow. But that is not Mrs. Parcel's way. Altho she accomplishes much, she does it with poise and serenity. As all good farm homemakers do, she cooks 3 meals a day, takes full charge of her household, gets a home remodeling idea only to tackle the job and get it done, has raised chickens, selling dressed chickens and hatching eggs to augment the family income—has even kept the school teacher and boarded city boys in summer. Just now "lambing" is on in full swing at the Parcel ranch—and you know the work that entails. Yet some way or other she manages time to read the current best sellers and keep up on late magazines. So outstanding is Mrs. Parcel as a homemaker and community leader that she has become the ideal of half the young women in Comanche county.

## If You Stand to Work

By HOMEMAKER

If you belong to that vast legion of women who feel they simply cannot sit down to work, a large size sponge rubber pad will prove a joy to you. Ordinarily such a pad is sold as a kneeling pad, so perhaps you have one now. Try it on the next ironing day. You will enjoy its springy feel. You will find dozens of times when you can use it to advantage. It's a grand aid in preventing backache and foot fatigue for those who must stand a long time.

## Wear It All Day Long

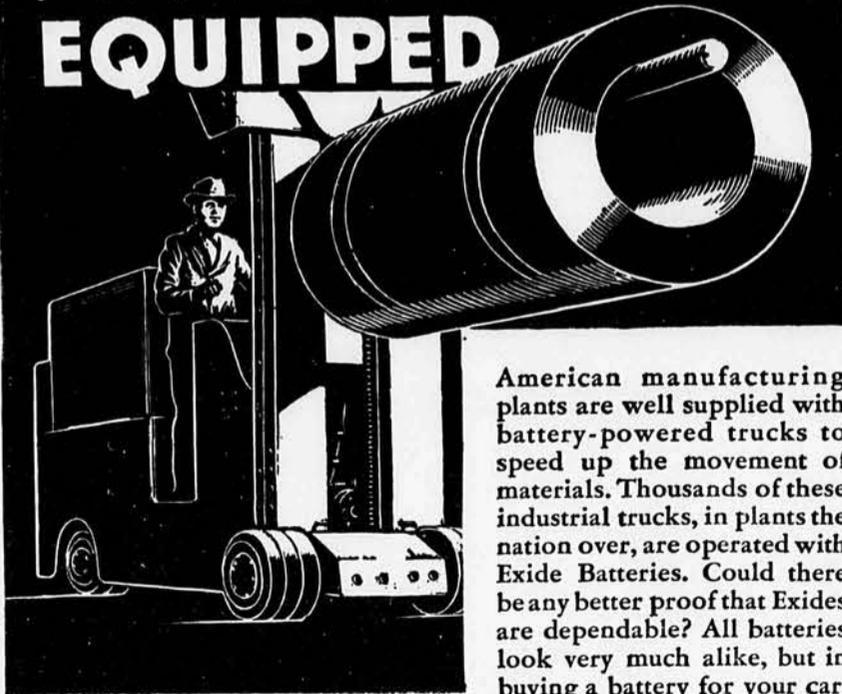
SIMPLE SHIRTWAIST STYLE



Pattern 8727—Perfect to put on and wear right now in flat crepe, silk print or spun rayon, this beautifully cut shirtwaist fashion will be delightful. Even at the end of a long, busy day it won't look wilted, because the lines are so simple and free. The bodice can be fastened with 3 buttons and turned back in narrow, deep revers, or buttoned almost to the throat, with shallow revers. Why not have it both ways, since it's so easy to make? There's virtually no detailing to it—just a few gathers beneath the yoke and darts at the waistline. The circular skirt has a lovely, youthful swing. Sizes 14, 16, 18, 20, 40 and 42. Size 16 requires 4 1/2 yards of 39-inch fabric without nap.

Pattern 15 cents. Address: Fashion Service, Kansas Farmer, Topeka.

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## HELPING NATURE CURE

*Calls for Doctor's Advice*

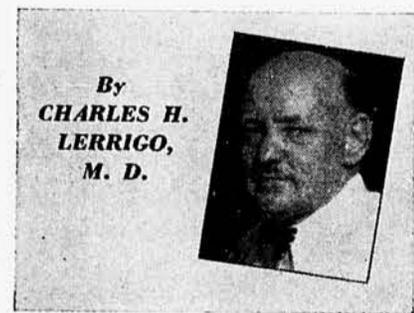
**J**ACK SHARP is much too clever to buy alleged "cure-alls." He realizes that the medicine makers prepare their alluring folders with a keen eye upon the dollar rather than because of any solicitude for health, and refuses to bite. But lately there are a lot of things offered that are not medicines at all, "just helps to nature." They cost a lot more than patent medicines but, so reason the Sharps, they last a long time. Surely one owes it to one's self to give nature an occasional boost.

Take this matter of ultraviolet rays, for instance. All the doctors admit the value of ultraviolet rays. The nature's helper companies ask only a small sum down for putting an ultraviolet ray machine right in the home of the family every day. "What about it?" ask the Sharps.

While I do not recommend proprietary medicines, I have agreed that some such medicines may possess value if only they are given by someone who knows what such medicines contain, what they are capable of doing, and whether the one to whom they were administered has need of such a medicine.

The same rule obtains with these special devices of "health apparatus." Do you know the physics of ultraviolet rays? No, I thought not. How, then, do you know that you need such treatment? Do you have knowledge of what ultraviolet rays are capable of doing? Then why take the risk? Do you positively know that you have need of such treatment? If not, why spend the money?

There is another side to the Sharp story. Granting that no healthy person living in our wonderful climate need think for one moment of spending money on health devices, we may as well bear in mind that not all are healthy. In childhood we have the little one with rickets. Sun treatment, cod-liver oil, green vegetables and various



By  
**CHARLES H.  
LERRIGO,  
M. D.**

other things help. But no one can deny that such a child may profit during certain seasons of the year by ultraviolet rays-artificially produced. There is the chronic invalid who is up one day and down the next. Some special stimulus might be just the thing to keep him up long enough to get a good start. Then there are those in their declining years who need just a little boost to help them thru the cloudy season. Surely they might profit.

You see, I do not object to the principle of supplying mechanical and electrical devices to aid those who need them. My objection is to buying things of which you know nothing, and expecting them to paint as good pictures of health in your family as you see in the folders. They may be positively harmful, for the short rays of ultraviolet with their powerful action are keen-edge tools.

Let your doctor decide whether you will profit by such aids to nature. Let him select the apparatus if he decides yes. And do not forget that he may be able to arrange for you to rent such apparatus instead of buying it, and thus save you from finding 3 months later that you have one more thing to clutter up the attic.

*If you wish a medical question answered, enclose a 3-cent stamped, self-addressed envelope with your question to Dr. C. H. Lerrigo, Kansas Farmer, Topeka.*

## Aiding Wildlife in Winter

By **LEILA LEE**

**W**HEN the wind howls and the mercury drops, wildlife faces a critical time. Save the birds by providing necessary feed and shelter. If winter feeding is begun, keep it up until all danger of snow and ice is past. Irregular or inadequate feed kills more birds than the cold itself. A bird seldom freezes to death unless weakened because of lack of feed.

A good method of providing winter food for wildlife is planting a small

food patch, or placing a few shocks of corn, cane or other grain near a suitable cover. This allows the birds to feed in a natural manner. During especially severe winters, artificial feeding is desirable. A simple lean-to covered with brush or corn shocks makes a good shelter for feeding. A few ears of corn nailed to a board makes food available to birds without allowing squirrels or other animals to carry off the whole ear. Feed should be carefully placed on a hard surface. Do not put it on top of the snow. Dig down and place the feed on the ground.

Shelter for wildlife may be only a corn shock or a brush pile. Border strips of food plants around fields, especially near wooded areas, are most beneficial in encouraging the increase of birds and other types of wildlife. Waste spots on the farm—field woodland borders and gullies—may be planted with vegetation that will help conserve wildlife.

Most persons forget to give birds suitable roosting quarters during cold weather. Leaving nest boxes up during winter will help some. Another clever idea is to put boxes behind knotholes in the barn or in other buildings. Winter roosting boxes should be waterproof, with a southern exposure for the entrance. They should be firmly attached to supports. Place them at an average height of 8 to 10 feet. To give added warmth, put the boxes in a spot that is protected from the wind. A sheet metal guard, tacked closely around the pole or tree, will keep out 4-footed marauders.

Why not make wildlife conservation your club project for 1941? Wildlife needs your help.

## For Amateur Actors

One of the best forms of community entertainment is a play presented by school, neighborhood or club groups. It's fun for the folks working together to put on the play, as well as for the audience who sees the result of group co-operation. Our new one-act comedy play may be just what is needed to round out the program. "Angel Without Wings" has parts for 10 people—5 men and 5 women. It takes about 20 to 25 minutes to present the play. Costumes are simple; lines are not difficult to learn. If you would like a copy of this play, we shall be glad to send one for 10 cents to cover mailing costs. Or, if you wish enough copies so that the director and each character may have one, we will send 11 copies for 35 cents. Address your request to Leila Lee, Kansas Farmer, Topeka, Kansas.

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NOW →**

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ARE A GOOD TIME TO  
WORK ON OUR PHONE  
LINE.

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MY ORDER OUT RIGHT  
AWAY. I'LL NEED IT  
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← **so that**

**you can do this later**

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Why not spend a little spare time now fixing up your telephone line so it will be ready for the busy days ahead. A farm telephone line, like anything else, needs a few repairs occasionally, but the chances are it won't take much work to put your line back in first-class condition.

If you need help in fixing up your farm telephone line, just drop by this company's nearest office. We'll be glad to show you—FREE—what needs to be done, and how to do it. This offer applies to all farmers who own telephone lines that work out of towns served by...

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Have Eight O'Clock Custom  
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AT ALL A&P FOOD STORES AND SUPER MARKETS

**FORGET BAKING FAILURES—Use**



CLABBER  
GIRL

BAKING POWDER

**PRAISED BY MILLIONS**

# THE BIGGEST FARM PROBLEM OF 1941

By W. M. JARDINE  
President, University of Wichita

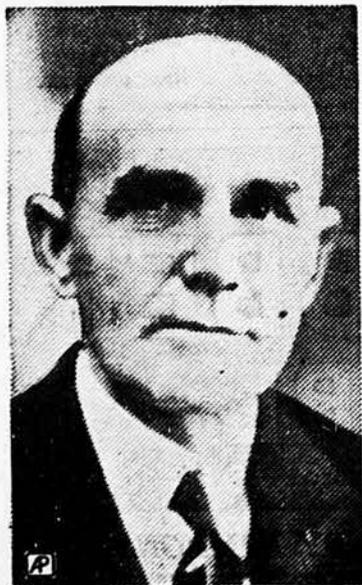
**I**N RESPONSE to the request for my views on the Kansas agricultural situation in 1941, it is my belief that the Kansas farmer, from a financial point of view, will fare about as well in 1941 as he did in 1940. His problems this year probably will be no more critical than they were last year—or the last several years. In some respects, 1940 has been a good year; 1941 promises to be a slightly better one, except, perhaps, for the wheat farmer.

The wheat grower's outlook is not going to be so rosy. What he will get out of wheat in 1941 will depend on 2 things, yield and price. It looks as if the yield would be substantial and the output for Kansas above normal. This fact, together with the fact that we will carry over into 1941 a huge surplus from Canada and this country, makes it unlikely that the price our farmers will receive to the bushel will be better than in 1940.

Beef, hog, dairy and poultry producers should fare somewhat better than in 1940. We will probably have a full domestic employment and good wages, and a lot of people for the first time in years will be able to eat more of these commodities; thus the domestic demand will be accelerated and prices equivalent to 1940 sustained, if not improved.

I suggest that the farmers bend every effort this year to take advantage of this promising meat market by putting more weight on their animals, feeding them more grain, even wheat, putting more pounds on them and putting more finish on them, thus obtaining a better price and more money for each animal; thus providing a market for crops and grain they could not sell otherwise. Incidentally, the farmer also will be preserving the fertility of his soil, and he will be making himself a job that will pay him well for this extra labor in handling his animals.

This is the program I am going to follow on my farms. I am not going to lean on Uncle Sam very heavily this year because I don't think he can afford to carry me much longer with the defense problem on his hands. The most severe problem we are all going to have to face is the paying of much heavier taxes. We can't spend these billions for defense without somebody paying the fiddler, and we, the farmers, belong to that class of somebodies. That's why I am going to lean on myself more, less on the federal treasury.



William M. Jardine



J. C. Mohler

By J. C. MOHLER, Secretary  
Kansas State Board of Agriculture

**I**T SEEMS to me the biggest farm problem of 1941 is the probable effect of war and national defense on agriculture. Not being a soothsayer nor crystal-gazer I shall not undertake prophesy, but there are some things, fundamental perhaps, that might well be considered.

Would an examination of our experience during and after the World War be helpful? We have not forgotten that, nor recovered from it. High prices for everything, high wages, misled us into the belief that we had prosperity. It was false, artificial prosperity.

Public expenditures will be enormously increased, and these can only be paid by higher taxes, or mortgaging the future, or both.

Income, no doubt will go up, but so will expenses. Secretary of Agriculture Claude R. Wickard, in his New Year's analysis, is quoted, "Exports will be down, production costs and living expenses will be up, but these developments may be more than offset by better average prices for most farm products and a resultant larger total cash income from marketings." An "offset," perhaps that is about the best that could be expected, but foreign markets will be taking less, says Secretary Wickard, and "wheat exports will be small."

So, it is no time for farm expansion, no time for doing things in a bigger way, but it is the time of times for doing things in a better way, to take advantage of everything that science and experience has taught us and can teach us, to produce the most per unit at the least cost. It appears to be a time to liquidate old debts as rapidly as may be from possible stimulated prices. It seems it is a time to exercise caution and conservatism, a time to re-emphasize the wisdom of well-planned diversification of crops and livestock production. In other words, well-balanced farming that will maintain fertility, provide several sources of income and make the farm as self-sustaining as possible.

This, I believe, promises not only the surest source of profit but the safest protection against the effects of war and its aftermath, and will also constitute the highest service the American farmer can perform for Uncle Sam, as well as for himself, his family and future generations.

By F. D. FARRELL  
President, Kansas State College

**I**T IS NOT possible, except by accident or thru luck, to predict precisely what will be the "biggest farm problem" in Kansas in 1941. By July or August of the present year the most urgent difficulty in Kansas agriculture may be drouth, as it was in mid-summer of 1934; it may be excessive rainfall, as it was in mid-summer of 1915; or it may be some acute situation brought about by the war. But it is easy to state in broad terms the most important problem that confronts the agriculture of the state year after year and decade after decade.

This problem is that of improving the adjustment of the state's agriculture to its environment. Many of our recurring difficulties and crises result from the fact that our agriculture and its environment are out of adjustment.

This is not a simple question like a grade-school problem in arithmetic. It is an exceedingly complex one. It involves all the factors—physical, biological, economic, and social—that affect the agriculture and the rural life of the state. And, just as the problem is the reverse of simple, its solution is the reverse of easy. A complete solution is perhaps impossible. But a gradual and persistent approach toward solution is both possible and desirable.

1. *We need a fuller acceptance of what our climate means agriculturally:* Comparatively few Kansas people have an adequate appreciation of the requirements imposed upon agriculture by the climate of the state. We need to understand that the last 10 years have not been the first "dry cycle" that the state has had. We need to face the fact that either deficient or abundant rainfall is always possible but, in advance, never certain; that the weather fluctuates greatly from month to month, year to year and decade to decade. This is a fundamental fact to which our agriculture should be adjusted as promptly and as fully as possible.

For about a century Kansas agriculture has been adjusting itself, slowly, irregularly and never easily, to fit the natural conditions of the state. Well-adapted varieties of winter wheat have replaced ill-adapted ones. The sorghums gradually are replacing corn, except in those sections where conditions are favorable for corn production. Early seedbed preparation and summer fallowing are being practiced



Dr. F. D. Farrell

increasingly as soil moisture conserving practices. We are slowly improving our methods of using native pasture lands. But in the last quarter century we have lost ground with respect to alfalfa acreage, livestock production and, in some areas, soil fertility. In many parts of the state the balance of enterprises on the farm is not as good as it was. We have doubled our acreage of wheat and halved our acreage of alfalfa and our hog population in the last 25 years. Pressures of various kinds have induced or forced us to follow year-to-year practices instead of long-time programs. These statements are generalizations. There are, of course, many local and individual exceptions. But we still have many climatic adjustments to make.

2. *We need more extensively to store in times of abundance for use in times of scarcity:* This is an old-fashioned practice that helped our forefathers to survive, not only in Kansas but thruout the civilized world. We need to store at least 4 things: Feed for livestock, food for human beings, soil moisture, and money. This is done with conspicuous success by many individual Kansas farmers. It should be done—and it can be done—by many more. The greater our dependence on the returns of a single year the greater our insecurity in a series of years. This is particularly true where periods of abundance and scarcity alternate frequently, as they do here.

A significant feature of our environment is the fact that we have a credit economy. Used wisely and in moderation, credit is essentially beneficent. Used unwisely or immoderately, it impairs our social and economic welfare. Altho Kansas agriculture is less mortgaged than that of some other states, the debt burden is a common difficulty here. While about 60 per cent of our farms are free of mortgage indebtedness, the debt burden on the mortgaged farms is a source of much embarrassment and distress.

It is possible that in 1941 an improved demand for some of our farm products will provide increased income for many farmers. If it does, every possible advantage should be taken of the fact to reduce farm indebtedness. This would be "storing" in a time of comparative abundance for use in times of scarcity. We need insofar as possible to avoid the economic paradox that many people increase their indebtedness in good times and painfully reduce it in bad times.

3. *We need to increase farm self-sufficiency:* Because of excessive specialization, most of our farmers are dependent to an undesirable degree on cash income. The greater the degree of our dependence on such income the more we are forced to exploit, to rob our soil and the nearer the wolf is to our door. Many Kansas farmers produce all the milk, eggs and poultry and much of the meat and vegetables that the farm family consumes. But too many of our farmers do not and consequently are unduly dependent on cash income for food. Low self-sufficiency is hazardous and expensive. It is often disastrous.

Altho but barely touched upon, these 3 parts of the "biggest problem" will suffice as examples of what must be done to bring us nearer to its solution. The Kansas environment is a difficult one so long as agriculture is out of adjustment to it. That greatly improved adjustment is feasible is demonstrated year after year by many farmers in every section of the state. In Kansas, nature is whimsical but she is not essentially unkind. She will work with us effectively and beneficially, but only on her own terms. If we are to make full use of her bounty we must adjust our attitudes and our practices to meet her requirements.

# Views of Machinery Progress

(Continued from Page 5)

improvements, so that adjustments can be made quickly and satisfactorily. Use of rubber on all farm implements, especially on tractors, has certainly cut the time necessary to travel from one field to another. Rubber has also increased the life of machinery that must be taken on the road from one field to another. The spring-tooth harrow, while more or less an old tool, is relatively new in this area. It has been a wonderful help in preparing seed-beds, especially in wet weather.

## EAST-CENTRAL KANSAS

**A. T. Hoover, Dickinson county—** Making lighter machinery with fewer wearing parts and the use of material that will wear longer with less expense in upkeep is important. Also the development of hydraulic-controlled machinery, making it easy and quicker to control.

**J. M. Kugler, Dickinson county—** I think the tractor comes first in farm equipment. I have a big tractor for heavy work and an all-purpose tractor for row crops, mowing, and similar tasks. The combine comes next because we are in a wheat country. Our farming has changed in the last 8 years, due to the drouth. We are farming with small grain crops such as wheat, oats, barley, Atlas sorgo and kafir, instead of with corn; we must grow the forage crops to carry our livestock thru winter. This calls for the corn binder, and the outstanding equipment on the binder is the self-loader for filling silos. Next is the ensilage cutter with grinder combined. The power lift saves lots of time on my all-purpose tractor. On pull machinery, the jerk-rope lift is valuable. For wheat farming, large drills, harrows, tandem discs and spring-tooth harrows are being used more all of the time.

**Henry Rogler, Chase county—** Ten years measured in the development of farm machinery is a long time. Changes have been so rapid and varied, first in one line of machinery, and then another, that I sometimes think we older farmers were born 30 years too soon to make the fullest use of it. The cow pony has competition, as well as the old faithful horse. Most of us use a car or light truck almost altogether in repairing fences, inspecting cattle, salting, and in taking hot dinners to the cowhands. Rubber-tired feed wagons have eliminated the old high wooden wheel type which had to be greased every time the moon changed and the tires reset every dry spell.

The old horse go-devil or sweep-rake is being dispensed with as the

truck or tractor has been harnessed to the haying task. Farming is done better, more timely, and with much less physical effort than formerly. The only fly in the ointment being the larger investment in overhead and the high cost of depreciation, while real estate and crop values remain static. Farm improvement and farm income have not kept pace with the stride set by new machinery.

## NORTHEAST KANSAS

**Harlan Deaver, Brown county—** I think, without a doubt, the all-crop combine has been the most generally accepted machine of all general types of machinery introduced in Northeastern Kansas during the last decade. It has changed the method of harvesting as well as threshing such a large number of crops. It has lessened the amount of shattering and the amount of time required to do the work. However, it has also created the problem of successfully storing the harvested seed since it contains a larger per cent of moisture.

**Charles Hamon, Jefferson county—** The combine ranks high in this section, and perhaps shows the greatest increase in usage during the last 4 or 5 years. Altho our acreage is not so large, the smaller combines are handling the smaller fields nicely, and grain may be combined much sooner after rains than it can be threshed from the shock. The time and expense of binding and shocking the grain as well as the cost of twine is saved. It is true the combine is used but a limited time during the year but, even so, we feel it is a labor-saver to the farmer. The housewife has something to say in its favor, too, for who enjoys planning and preparing meals for 15 or 16 men when the harvesting and threshing may be so ably handled with little or no extra help by use of the combine?

**O. G. Nystrom, Shawnee county—** To me, it seems as if a manure spreader is one of the most important machines on the farm. If we do not put back into the ground what we take out, it cannot keep up its productiveness. Each year, about 600 loads of manure are hauled out onto the 300 acres which I farm. Another machine of importance is the hay loader, by which a crop of hay can be gotten in the barn in the shortest time and with the least work.

**Ed Visser, Riley county—** First is the combine, which fits in well with diversified farming. Even the women enjoy having harvest on a family-size basis by eliminating expensive, troublesome meals and big crews of men. Next is

the tractor that can be used for row crops, as well as general draw-bar and belt work.

## SOUTH-CENTRAL KANSAS

**Frank L. Young, Kingman county—** I consider one of the most important developments in farm equipment for this locality to be the use of rubber on machinery. Tractors equipped with rubber tires will pull, on the average, about one-third more than they did on steel, or they will pull the same load about 2 miles an hour faster. So either way you figure, the rubber-equipped tractor will do about one-third more work, using the same amount of gas, and will do it with considerable less strain on the operators, as they ride

so much smoother and quieter. Also, the use of rubber equipment on combines, binders, plows, wagons, field cultivators, and virtually all kinds of machinery, is saving farmers of this locality much money on gas bills. On this farm we have about 48 rubber tires in use.

**Harold Pennington, Reno county—** I am of the opinion that the most outstanding development in farm machinery during the last 10 years, as far as our particular area is concerned, is the small combine-harvester. Most of these machines are light in weight and small enough in width that they adapt themselves to the smaller fields found on the farms where diversification of

(Continued on Page 36)



Present  
1 or 1-2 Plow Tractors  
Priced Right, but Underpowered

Present  
Light 2-Plow Tractors  
Powered Right, but Priced too High

**You Needn't Choose Between Power and Price**  
MEET THE NEW  
**MASSEY-HARRIS "81"**  
*priced right . . . powered right*

**A LIGHT 2-PLOW TRACTOR AT THE PRICE OF A 1-2 PLOW TRACTOR**  
**\$699** F.O.B. FACTORY  
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NOT A STRIPPED STEEL WHEEL TRACTOR  
Price Includes: Self-starter  
—7-32 rubber tires—adjustable drawbar—reversible front wheels—48 to 88" rear tread width—and extra belt power.



Have you been tempted to underpower your farm with a 1 or 1-2-plow tractor? Then you'll welcome the new Massey-Harris "81"—costing little more than ordinary small tractors—yet easily handles 2-14" bottoms under normal conditions. Know the thrill of having plenty of power to do all of your work quickly and at lower cost.

The modern high-compression engine of this tractor has proved its economy of operation. Takes only 4 quarts of oil, changed every 100

hours. Delivers its full rated, horsepower without excessive additional weight. Has husky, 4-forward-speed helical gear transmission; extra-heavy differential; belt-pulley drive well clear of tires; roomy platform; and many other features you never expected in a tractor at this price.

**SEE IT, DRIVE IT** and thrill to its smooth eager power and convenient handling. Visit the Massey-Harris dealer below or write for complete literature.

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**MASSEY-HARRIS**  
GENERAL OFFICES: RACINE, WISCONSIN      FACTORIES: BATAVIA, N. Y., RACINE, WIS.

# What Crops to Grow in 1941

(Continued from Page 10)

occupy an important place among Kansas farm enterprises.

Wheat, however, should be planted this year with the full knowledge that it may bring a most unsatisfactory price on the market and that perhaps the most profitable method of utilizing the crop will be as feed for livestock. Wheat is a good feed grain for many types of livestock and, if necessary, much of the crop grown in Kansas can be marketed in this way.

The soil next spring should be in excellent condition to afford a good stand and a rapid early growth of small spring grain such as oats and barley. Under such conditions, these crops usually afford a fair return, especially if they can be utilized as feed for livestock on the farms where grown. Barley should be depended upon chiefly to plant in the North-Central and Western part of the state and oats farther east. Barley will probably not be a safe crop to plant in Eastern Kansas this spring, due to the heavy infestation of chinch bugs in Eastern Kansas.

Some farms are well adapted to specialized crops and some farmers are skilled in growing them. These may be planted advantageously on a few farms under such conditions in 1941. Flax is such a crop for farmers in Southeastern Kansas and sugar beets for the irrigated farms of the western Arkansas River Valley. Other crops falling into this class are Broomcorn in Southwestern Kansas, soybeans in Eastern Kansas, and Sweet clover, lespedeza and many of the tame grasses when grown for seed especially in the Eastern one-third of the state.

These crops have definite limitations when considered from the standpoint of state-wide production. They should be grown in any appreciable acreage only by those familiar with them and under conditions where they can be grown and marketed successfully. For most Kansas farms, the safest crops to plant in 1941 will be those that have been grown most successfully and profitably in past years.

# Views of Machinery Progress

(Continued from Page 35)



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crops is a common practice. The fact that most of these machines are powered by a take-off from the tractor pulling them makes them less expensive at first cost and also more economical to operate.

This type of harvester makes it practical for more farmers to own their own machine and harvest their crops more nearly at the proper time. These little machines have the ability to harvest such a large acreage per day at such a low cost that many large operators are finding it more profitable to operate 2 or more of these small machines instead of a larger machine.

### WEST-CENTRAL KANSAS

W. V. Stutz, Ness county—Outstanding improvements made in farm machinery, as I see it in my county, are: (1) Pneumatic tires on tractors and farm implements to reduce draft and lessen fuel consumption. (2) Field cultivator or duckfoot run on the contour, and lister-damper and disc pit cultivator to conserve moisture.

### NORTHWEST KANSAS

Fremont Steffel, Norton county—Important farm machinery developments of the last 10 years include more efficient oil puralators for tractor motors and rubber tires for tractors. Also, small combines on rubber, and the adoption of rubber tires for all farm equipment.

Fred Magley, Cheyenne county—In this territory, there has been an increasing tendency toward summer-fallowing. For a few years, the main tool was the moldboard plow, followed by an ordinary disc for killing weeds and breaking the crust. The disc, however, loosened up the ground too much, causing surface wind erosion. More recently, farmers have been using the Uni-Tiller to good advantage. This machine employs small shovels, which make furrows ranging from 14 to 20 inches apart. With the damper attachment, the field can be cultivated in a waffle-iron pattern which holds moisture from heavy rains, even on sloping land. This condition is even improved when the land is worked on the contour. The tendency toward contour farming is being increased.

Another important tool is the rod weeder, which is used extensively here. Its purpose is to kill small weeds on summer fallow, pack the soil, especially under the immediate surface, and conserve moisture in general. It also works the silt beneath the surface, bringing the clods to the top, which helps prevent wind erosion. The disc harrow is still an important tool for preparing the ground early in the spring, ahead of the Uni-Tiller, plow, disc-plow, lister or any other tool used for deep tillage.

### SOUTHWEST KANSAS

L. E. Porter, Stafford county—In the past year I purchased a new rubber-tired tractor with high-compression motor which gave me more power, speed, operating comfort and efficiency, with less fuel and oil consumption. At the same time, I bought a small power take-off combine and a 7-foot power take-off mower. One can operate the tractor and combine and cut almost as much wheat as with a larger machine. With the mower I can cut as much as with two 6-foot horse-drawn mowers. In this and other communities the Rural Electrification projects place electric power at the disposal of the farmer for operation of much farm equipment. To sum it up in a few words, rubber tires, high-compression motors, power take-off machinery and electric equipment for the farm are the things which have shown greatest development in the last few years. I consider these outstanding because they stand for comfort, economy and efficiency.

Roy W. Ellis, Comanche county—I will have to go back a little more than 10 years to call attention to what I think is one of the most important developments in farm machinery. The combine harvester-thresher has brought great improvements over methods used when I first started raising wheat, in days of the old header. Now, 3 men, in 1 day, can harvest as many acres and deliver the wheat to the elevator, as 7 men and 10 mules could harvest in 2 days by the old methods. This reduces the operating expense per bushel to about one-fourth of what it formerly was. The tractor has been greatly improved in the last 10 years. We now have the high-compression head which reduces the oil consumption and also that terrible spark plug trouble. The high-compression head is effective in increasing power performance. We now have the self-starter and electric lights which are worth mentioning, and we should not forget the rubber tires which add greatly to the comfort as well as performance. Tillage tools equipped with power lift, rubber tires and dust-proof bearings are also deserving of important mention. Farming labor is a pleasure now, compared to what it used to be, when it comes to operation of farm implements.

### ALL-KANSAS

John M. Ferguson, extension specialist in farm machinery, who works with farmers thruout the state.—I feel that the most important developments that have been made in farm machinery during the last several years are the use of rubber tires and a change to more flexible types of farm equipment. By this I mean the smaller tractors that handle easily on the turns, wheel brakes on these tractors, and power-lifts on the tools that are being pulled by the tractor. All of these developments tend to make the use of the machine much more flexible and make it work much more satisfactorily for farming on the contour and with terraces. I also feel that the use of starters and lights on farm tractors has been desirable. Pick-up hay balers and field ensilage harvesters are two of the machines that have been developed recently which I feel are important. In general, farm machinery manufacturers have been incorporating much better design and materials in farm equipment in the last few years than at any time prior to that. Better materials and the use of welding have done a great deal toward prolonging the life of farm equipment and therefore have cut down depreciation costs materially. Development of the small combine has had a decided influence on wheat production in Central and Eastern Kansas, due to the fact that with this machine smaller acreages can be handled economically.

### Largest Wheat Insurance

M. S. Coberly, of the Missouri Flats neighborhood in Gove county, together with his sons, Roscoe and Harry, have the largest wheat crop insurance in Kansas. They have more than 2,400 acres with an insurance of 25,000 bushels. The Coberlys summer fallow all their land and use damming devices to keep fields in condition to hold all the rain that falls.

### Sends Out Information

Morse Salisbury, graduate of Kansas State College in 1924, was appointed director of information for the U. S. D. A. by Secretary Claude Wickard, recently. Mr. Salisbury was born in Iowa, but was reared in El Dorado, Kan. He succeeds Milton S. Eisenhower, another graduate of 1924, who became permanent land use co-ordinator on January 1. Mr. Eisenhower previously had been holding both positions, with Mr. Salisbury serving as acting director.

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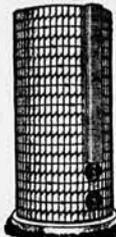
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# Headline Exhibits

(Continued from Page 9)

is a 2-plow tractor while the W-6 and WD-6 are 3-plow tractors.

The W-4, W-6, O-4, and O-6 may be operated on fuels ranging from No. 1 distillate to high-octane gasoline, for they are supplied with optional engine equipment. The W-6 is operated by a full-Diesel engine.

Each of these new tractors is equipped with sizable platform and large 18-inch steering wheel. Quick adaptability to varying drawbar requirements, including high-speed hauling—with pneumatic tires only—is assured thru the 5-speed transmission and adjustable governor. This means the operator can select exactly the engine and transmission speeds to give the best combination of tractor speed, drawbar pull, and fuel economy for the job in hand.

The bore and stroke of W-4 and W-6 gasoline-distillate engines are, respectively, 3 3/8 by 4 1/4 and 3 7/8 by 5 1/4 inches. The engines of the O-4 and O-6, which are basically of the same design, are also respectively of same size as above enumerated. Standard features include valves in head; removable cylinder sleeves; tocco-hardened crankshaft; precision-type main- and connecting-rod bearings; pressure lubrication; floating oil screen intake; improved special tractor magneto; water pump-thermostat cooling system; large air, oil and fuel cleaners; extra large flywheels; manifold heat control; variable-speed governor.

The WD-6 is the same tractor thru-out as the W-6 except that it is powered with International Harvester's hand-cranked Diesel engine in a size corresponding to that of the gasoline-distillate engine of the W-6. Control and operation of both tractors are virtually the same. In starting the WD-6 Diesel engine the operator moves a lever which converts the engine temporarily to low-compression, spark-ignition gasoline operation. Moving the lever back at the conclusion of the warm-up period immediately disconnects the gasoline fuel and ignition system, changes the compression ratio, and shifts the engine to full Diesel operation. It then runs and responds to variable governor control the same way as the W-6 engine. This simplicity of starting and operating, plus fuel economy and good lugging ability, has made a special appeal to many farmers who have fairly continuous power requirements.

With the W-4 a farmer can plow 7 to 12 acres a day; tandem-disc 25 to 30 acres; seed (10-foot drill) 35 acres; harrow (peg-tooth) upwards of 70 acres; harvest (tractor binder) 30 to 35 acres; combine (depending on cut) 10 to 25 acres; and field cultivate 20 to 25 acres. On the belt, it will operate 22-inch thresher in average conditions, medium-size hammer mill, ensilage cutter. Its daily fuel consumption will be from 15 to 20 gallons.

With the W-6 and WD-6 a man can

plow 9 to 13 acres a day; double-disc 30 to 40 acres; drill (14-foot) 40 to 60 acres; field cultivate 30 to 40 acres; and harrow with peg-tooth 80 acres or more. On the belt, either tractor will operate 28-inch thresher in average conditions, the larger-size hammer mills, ensilage cutters. Fuel consumption of W-6 will be 20 to 25 gallons a day and of WD-6 from 15 to 20 gallons of low-cost Diesel fuel.

**MASSEY-HARRIS**—Probably 2 items will get the lion's share of interest at the Massey-Harris exhibit at the big Tractor and Power Farm Equipment Show at Wichita. Both of them are brand new. First is the new "81" tractor and, second, the new No. 21 self-propelled combine. The "81" Massey-Harris tractor is a light 2-plow job which includes rubber tires and self-starter. This machine brings ample power to the smaller or medium-size farm at a price in keeping with the income of that farm. As a matter of fact, it will help diversify the farm so the income can be increased.

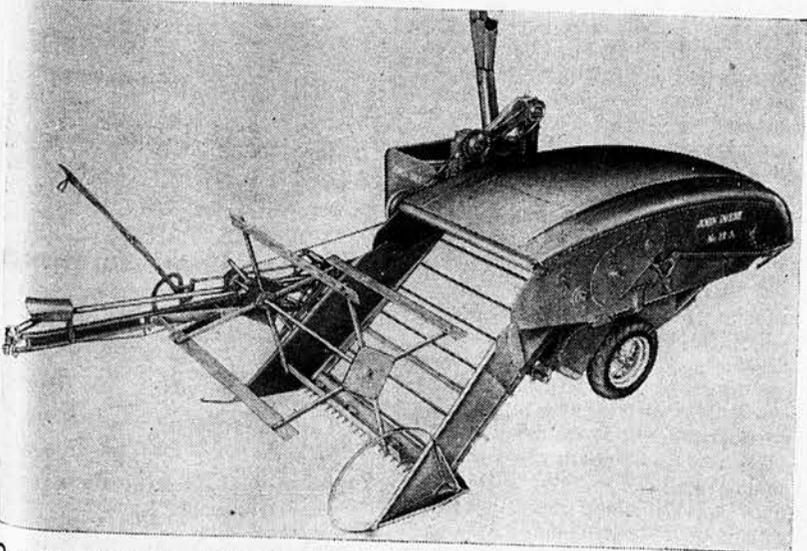
The "81" has a high-compression engine, heavy-duty crankshaft, has an extra-heavy differential mounted on husky Timken bearings, a heavy-duty transmission, exactly the right speed provisions for belt power, individual turning brakes with master control, completely adjustable drawbar, adjustable wheels—they slide on axle to wide range of tread widths, handy quick-on-and-off implements, and a dozen other outstanding points you will note as you look it over at Wichita. Of course, the new "101 Junior Tractor," the "101 Super Tractor," and the new "201 Big Six" will be shown by Massey-Harris.

Many folks will remember that the Massey-Harris self-propelled 16-foot combine captured a great deal of attention at the 1940 Wichita show. Well, this year Massey-Harris is showing the No. 21 self-propelled machine which is built along the same lines as last year's model, but is a 12-foot machine at a far lower cost. Just a glance will show value of this combine. Implement men predict wide popularity for it in 1941.

By the way, the new No. 28 plow will be mighty interesting with its constant clearance lift, double forged to fit bracing and cone-type wheel bearings. And there is a new wide disc harrow with easier folding outer gangs and a bigger longer-lived bearing. And don't overlook this one; the new 7-foot Clipper, incorporating all of the famous 6-foot Clipper's advantages at little more cost than the 6-foot machine, plus the speedier working ability of that extra foot of cut. Also, for the smaller farm there is the new 4 1/2-foot Clipper.

**MINNEAPOLIS-MOLINE**—Since 1865 Minneapolis-Moline engineers have been steadily working with farm-

(Continued on Page 38)



Quartering front view of the John Deere No. 12-A Straight-Thru combine with 66-inch cutter bar and 6-inch gather. This machine cuts a 6-foot swath.

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Why continue to suffer the agonizing pains of these diseases when the usual remedies have failed. Learn about a new, trustworthy, modern, non-surgical treatment method. This marvelous treatment is completely explained in Dr. Ball's new FREE Book. Write today. No obligation.

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If High Line service is not available, you can still have all the power you want for lights, for all home appliances and for farm power . . . at the lowest possible cost, with the

## NEW 1941 JACOBS Super Automatic Wind Electric Plant

Thousands in use in rural homes . . . widely used in industrial fields . . . sold around the world. It's the safest plant for you to buy.

Battery charging rate automatically reduced as battery nears full capacity—exclusive Jacobs feature . . . the only positive method of prolonging battery life. Patented flyball-governed, 14-foot propeller for greater power—accurate speed control. Not one burned-out generator in 10 years.

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**WICHITA TRACTOR SHOW,**  
February 18-19-20-21

## JACOBS WIND ELECTRIC CO., Inc.

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**FREE** **HOW TO Succeed with BABY CHICKS**

New 1941 Book, mailed Free, gives details for successful raising of pullets. How to save up to 1/3 to 1/2 on Feed cost, yet raise big, healthy birds with sound bodies, sturdy growth, strong bones, good digestion, and a fine coat of feathers. A gold mine of information, FREE!

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**THE QUAKER OATS CO., DEPT. B-8, CHICAGO**

**DODSON CONCRETE STAVE SILO**

**DODSON SILO**—Solve next winter's feeding problem NOW with a Dodson "Red & White Top" Silo. Price protection on early orders. Nothing down. Easy terms arranged when silo built. Write for prices and literature. Billzard Combination Cutters & Hay Choppers.  
Dodson Mfg. Co., Wichita, Kan.

**RAISE CANARIES**

Men and Women Get into this new profitable business. Small investment, huge profits. Send for free booklet.  
ILLINOIS BIRD CO.  
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**PILES FISTULA**  
Colon Troubles  
**Are Dangerous Companions**  
Often lead to other ailments. New 122-page book also explains our mild, institutional method. Thousands of references sent FREE.  
**THE McCLEARY CLINIC**  
241 Elms Blvd., Excelsior Springs, Mo.

# Top-Notch Kansans

(Continued from Page 16)

unusually satisfactory farming system.

Moving on to our next visit, we journey north and west, up thru the scenic Flint Hills, to find a neat farmstead owned by August Dietrich in Osage county, about 20 miles southwest of the State Capitol. Here we find a sincere, mild-mannered farmer who is younger in spirit and action than he is in actual years. Parents of 3 sons and 2 daughters, Mr. and Mrs. Dietrich look back with satisfaction and pride to the days when their 5 children, all grown now, were given liberal educational advantages.

Glancing across the horizon from Mr. Dietrich's back porch, you soon discover his principal source of income. You see sleek Angus cattle silhouetted against the greenish-purple of native Bluestem pastures. Mr. Dietrich controls 480 acres, 320 of which he owns. As you would expect of a beef-cattle raiser in this area, a large proportion of his acreage consists of native grass.

Bidding Mr. and Mrs. Dietrich goodbye, we head toward the Southwestern areas for more visits. Taking them alphabetically, our next farmer to see is Ralph Hornbaker, who owns 560 acres and rents an additional 160 acres of the sandy loams of Stafford county.

Approaching the characteristic wheat and short grass country, our view thru the windshield presents a set of conditions completely different than those affecting Mr. Dietrich in Osage county. Instead of hilly pastures, luxuriant with Bluestem grass, we see more and larger wheat fields, unfolding before us like great green carpets on wide, seemingly endless expanses of level ground.

However, upon arrival at Mr. Hornbaker's farm, we discover he is far from being a straight wheat farmer, altho a large portion of his cultivated acreage is devoted to this crop. He has an excellent herd of about 40 Holstein dairy cattle, which brings in a tidy income each year, regardless of whether the wheat crop "comes thru."

Along with the dairy cattle, he handles a few head of beef cattle, some hogs, and a flock of purebred White Rocks. Because livestock and poultry provide his most dependable source of income, Mr. Hornbaker does not "trust to luck" about having feed for them. He plans a cropping system that is sure to produce some feed, even during extremely unfavorable seasons.

Mr. and Mrs. Hornbaker have 1 daughter and 4 sons, ranging from 10 to 19.

Moving farther west and south for

our next visit, we approach one of the most beautiful farm homes in Kansas. It is owned by Merle G. Mundhenke, whose place is just south of Highway 50, near Lewis, in Edwards county. You might be surprised to find such a young man in the Master Farmer group. As he walks across the neat Buffalo grass lawn, wearing his ever-ready smile, you can easily guess Merle is in his early thirties. He is now the youngest Kansas Master Farmer.

Inside the house we meet Mrs. Mundhenke, along with the 3 1/2-year-old daughter and the baby boy.

Outside again, neatness prevails around all the farm buildings. But—what is this, a small dairy barn? Sure enough, and it stands as evidence that another farmer in the wheat country does not depend solely on wheat. Mr. Mundhenke has a few good Ayrshire dairy cows which he prizes highly. However, his most important livestock enterprise comes under the heading of beef. He raises and buys 60 to 70 head of good-quality beef calves each year, for grazing and feeding. Merle also raises and fattens 3 or 4 litters of pigs every year. Like Mr. Hornbaker, he has a flock of purebred White Rock chickens.

Mr. Mundhenke owns 1,014 acres and rents an additional 350 acres, which adds up to 1,364 acres in his farming system. About half of the total acreage is under cultivation, and the principal crops are wheat, grain sorghums, and forage sorghums. As his most profitable farming practices, Merle names summer fallowing for wheat, and fallowing or early fall listing for sorghums to be raised the following year.

Turning back to Reno county for our last call, we recross the Arkansas river, and finally drive in at the attractive farmstead of Fred Strickler, on Highway 96, northwest of Hutchinson. Mr. Strickler is widely known because of his outstanding herd of purebred Ayrshire dairy cattle. Along with the dairy business, he feeds a few head of beef cattle and maintains a farm flock of about 30 Shropshire sheep.

Feature crop on the farm is about 60 acres of alfalfa, used for production of feed and cash seed crops. Alfalfa is seeded on summer-fallow ground. Wheat and sorghums also have an important part in the cropping system. For many years, Mr. Strickler has been active in county and state-wide farm organizations, at the same time serving as a leader in community activities of various kinds. Mr. and Mrs. Strickler have a family of 2 sons and 2 daughters.

## Headline Exhibits

(Continued from Page 37)

ers in designing and building better farm machines. It was in 1870 Moline developed the first straddle-row cultivator, in 1871 the first commercially successful grain drill, in 1884 the first 3-wheeled plow, in 1886 the first wire-driven combined checkrow and drill planter.

These are interesting bits of information to remember as you look over the Minneapolis-Moline up-to-the-minute exhibit at the Wichita show. Some of the machines which will be featured for the first time at this national show are the new MM Tractor Disc Harrows. You will call the MM harrows revolutionary in design and construction.

Consider the MM No. 11A tandem disc. Minneapolis-Moline brings out its top-notch points by asking questions. For example, MM asks:

"What would be your idea of a perfect Tandem Disc Harrow? Would it be light in weight?"

"Would it have exceptional strength—strength enough so that if you needed additional weight, you'd never

have to worry about putting too much of a load on the harrow?"

"Would it be so constructed that it could literally 'turn on a dime'—and stay in the ground and keep on working on turns without gouging in?"

"Would it have bearings that are self-lubricating?"

"Would it have tension spring applications to hold the gangs in a level position so that the harrow would penetrate at a uniform depth over its full width and still provide flexibility on uneven ground, so that the inner ends of the 4 disc sections could move up and down in relation to the outer ends?"

"Would it have provisions for changing the angle of the rear gangs in relation to the front gangs, so that if you wanted to fill dead furrows or crown a roadway you could operate the front gangs in a straight position and angle the rear gangs?"

"Would it have ready angling control from your seat on the tractor, so that you could put the discs into angle, or reduce the angle without leaving your seat on the tractor?"

**Making CORN MEAL HAY SILAGE**

**CHOP GREEN HAY GRIND**  
and MIX CORN at Same Time

Letz gives the latest, money saving, profit making way to put up better green hay or grass silage. Thoroughly proved on corn meal, molasses or acid. Use a Letz with hopper and grinder alongside cutterhead to grind and mix your own corn as preservative and feed—make your corn do double duty. Dry preservative avoids leakage loss—saves valuable proteins.

**5 NEW MODELS—NEW LOW PRICES**  
Save cash outlay—prepare better feeds with a Letz—the mill that saves work on ALL feed preparing jobs and saves its cost in one season.

**LETZ** Write for "Better Hay-Grass Silage."  
THE LETZ MFG. CO., 241 East Road, Crown Point, Ind.

Early Order Discounts on  
**SILO ORDERS**

placed before June 1. One of the oldest companies in the business makes it possible for every farmer to own a concrete silo that will last forever. Write today for literature. Agents wanted.  
Salina Concrete Products Co.,  
1101 Park Salina, Kan.

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Ask your Capper Man or Write  
**KANSAS FARMER,**  
Ins. Dept. Topeka, Kansas

## LIVESTOCK ADVERTISING

—in Kansas Farmer is read by up-to-date breeders and those who contemplate going into the livestock business. Ask us for low rates.

**HOLSTEIN CATTLE**

**200 Dairy Cattle Sell in 2-Day Auction**

A Dispersal Sale of the L. J. Chapman Herd at farm, on all-weather road, 2 1/2 miles southwest of

**Lees Summit, Mo.,**  
(Near Kansas City)

**Monday and Tuesday, February 17-18**

Starting at 12 o'clock. (Sale Will Be Held Under Cover in Large Dairy Barn.)

**MONDAY, FEBRUARY 17**—100 Registered Holsteins Sell, consisting of 58 of milking age, 15 two-year-olds and 19 yearlings, 4 mature bulls and 4 bull calves. These registered Holsteins are strictly of Ormsby breeding. 35 females are daughters of an intensively bred son of Johanna Ragapple Pabst.

**TUESDAY, FEBRUARY 18**—100 Grade Holsteins, Guernseys and Jerseys Sell. 50 high-grade Holsteins, 35 Guernseys, some registered, and 15 Jerseys also sell. A few registered Jerseys among them. 3 registered Guernsey bulls.

Note: Holstein average for 1940 was 386 lbs. B.F.—Guernsey and Jersey average 319 lbs., with 50% as 2-year-old heifers. Everything Tb. and Bang's tested.

For Catalog Address  
**HARVEY HARTVIGSEN, Farm Manager,**  
Lees Summit, Mo.

**L. J. Chapman, Owner**  
**Lees Summit, Mo.**

Sales Managers: **BAIRD & DARCEY,**  
Waukesha, Wis.

**Gerhardt "World's Fair" Holsteins**

Colantha Butterfly Conductor, the only Kansas cow to appear in Borden's 1940 World's Fair Exhibit, offers one son ready for service.  
**GERHARDT FARMS, GREENLEAF, KAN.**

**Reg. Holstein Dispersal**

(Private Sale.) Herd sire, **Thonyman Man-O-War Lad**, 7 heifers, 7 cows, 3 are milking over 70 lbs. daily, good breeding and type. T. B. and Bangs tested.  
**JOS. J. WONDRA, CLAFLIN, KANSAS**

**THONYMAN HOLSTEINS**

Purchase your future herd sire from a herd of uniformly high producers. Herd averages: 1940, 408 lbs.; 1939, 418 lbs. **Reed's Dairy Farm, Lyons, Kan.**

**DRESSLER'S RECORD HOLSTEINS**

Cows in herd are daughters and granddaughters of the state's highest butterfat record cow, **Carmen Pearl Veeman**, 1,018 lbs. fat. Bulls for sale.  
**H. A. Dressler, Lebo, Kan.**

**GUERNSEY CATTLE**

**Guernsey Cattle Dispersal**

High Grades Not Eligible to Record On Farm, 2 Miles North of Humboldt, and West of Highway 169

**Wednesday, February 19**

20 Head—5 heavy springers, 7 now in milk; 5 choice yearling heifers and 4 calves; and the herd bull (a son of Imp. Meadow Lodge Rex). Herd established 20 years. Average milk test for 1940 was 4.8. Also hogs, horses and farm machinery.

**JOHN H. HEIMAN,**  
**Humboldt, Kan.**

Auctioneer: Wm. Riley

**Grade Guernsey Springers**

5 big bred heifers, to freshen in March and April, \$80 to \$95. 6 registered heifer calves, real 4-H Club calves. Sisters making over 400 fat with first calves, also sisters to grand champion female Kansas state fair 1939.  
**Meadowlark Farm, Durham, Kansas.**

**Four, Choice Month-Old Guernsey**

high-grade Heifer Calves and a Purebred Bull calf; 5 for \$118. Delivered on approval.  
**LOOKOUT FARM, LAKE GENEVA, WIS.**

**KANSAS FARMER**  
**Publication Dates, 1941**

February	8-22
March	8-22
April	5-19
May	5-19
June	3-17-31
July	14-28
August	12-26
September	9-23
October	6-20
November	4-18
December	1-15-29

**Advertising**

To insure being run in any issue, copy should be in our office one week in advance of any date given above.

"Would it be equipped with a drag harrow hitch by which you could attach a spike-tooth harrow up close, thus giving you perfect trailing of the drag harrow on turns?"

"And would it have available weight boxes which would enable you to get any desired weight simply by shoveling in soil from the field?"

"If it would, then your ideas of the ideal disc harrow are the same as ours; and the new MM No. 11A is made to order for you."

In addition to the new Tractor Disc Harrows, all of the MM tractors now offered in more than a dozen farm models, MM Harvesters in 4 sizes and other MM machines will be featured. Coming in for special attention and recognition will be the improved 1941 Harvester "69."

**OLDSMOBILE**—Widest range of choice being shown that America's oldest manufacturer of motor cars has ever presented. There are 6 new series of Oldsmobiles for 1941—covering the same price fields as for the last 2 years—with the option of either a 6- or an 8-cylinder model. Sensational indeed, is Oldsmobile's Hydra-Matic drive. Roomier bodies, striking new design, more engine power in all 6-cylinder models comprise the most notable advances in the 1941 Oldsmobile. The "disappearing" running boards add smartness. Oldsmobile has been able to do away entirely with the clutch and gear shifting with Hydra-Matic drive.

**OLIVER**—Showing for the first time will be the Oliver Row Crop 60 Tractor, built especially for small farm operations. You probably will agree with Oliver that it is "a big little tractor" when you see it at Wichita. It has a powerful 120-cubic-inch, 4-cylinder, high-compression engine with overhead valves; modern, sturdy pressed-steel frame with X-member for rigidity; a variable speed governor which regulates power and speed for the most economical use of fuel; high clearance for late cultivation; fingertip control; 4-speed transmission; greater visibility for row-crop operations, 2-speed belt pulley drive.

Also showing will be Oliver's new Plow Master tractor plow in both 2- and 3-bottom sizes. It is a sturdy piece of equipment built in 3 different sizes, can be provided with 3 different drawbars. If you believe that plowing is your most important job, you will be delighted with the Oliver showing.

Oliver also will show the Row Crop 70, Standard 70, Row Crop 80, Standard 80, 90 and 99 tractors; a full line of combines ranging from 5-foot thru 12-foot cut; different sizes of mold-board plows equipped with Oliver's Raydex bases and points; mowers, rakes and loaders; the new Oliver No. 7 spreader; disc, spring and spike-tooth harrows; 1-way disc plows; fallowators; hammer mills, shellers; listers; grain drills, in both plain and fertilizer types; wagons and trailers.

**DEMPSTER**—An up-to-the-minute Dempster exhibit will be located in the usual place inside the Forum Building, and will include a complete layout of Dempster farm equipment, as well as deep well, shallow well and jet water systems; irrigation equipment and other water supplies.

You will remember the No. 100 series Dempster machine put on the market last year and sold with the spring-tooth attachment, and also with the 2- or 3-row lister attachment. For 1941 Dempster has designed what they call the No. 104 attachment, which consists of three 30-inch specially designed duckfoot sweeps attached to their regular standard lister beam, and spaced with 1 beam on the front square bar, and one on either end of the rear square bar, making up a tillage tool adaptable for penetrating either hard or loose ground at desired depths up to 8 or 10 inches.

**DEERE & COMPANY**—Big variety of equipment will be shown including the new and more powerful, steadier,

more economical John Deere Model "B" itemed as the ideal tractor for farms of average size. It handles a 2-bottom, 14-inch plow in average soil. Provides 4-way power thru drawbar, belt, power take-off, and hydraulic power lift. Both Models "A" and "B" general-purpose tractors on rubber can be had with a road speed of more than 12 miles an hour. Look for the John Deere Model "H" tractor equipped with new electric starting and lighting equipment. This is available either singly or in combination also for Models A, B and D.

Especially interesting will be the John Deere No. 12-A Straight-Thru combine with 66-inch cutter bar and 6-inch gather. This machine cuts a 6-foot swath. Also, the No. 11-A Straight-Thru combine with 54-inch cutter bar and 6-inch gather, cutting a 5-foot swath. You will note the John Deere-Van Brunt "FF" fertilizer grain drill has a new feature in the steel box which replaces the wood box.

There is a new John Deere model "JB" standard-weight disc harrow that will handle normal or tough soil conditions; rear section may be removed, making it a single-action machine. The new John Deere-Syracuse 8-foot tractor-controlled spring-tooth harrow or weed destroyer includes a new hitch that easily puts the teeth to work or raises them for transport; new, easy-adjustable clamp which permits teeth to be set in any location on cross bars; extra-large shoe area; handy depth adjusting lever and exceptional flexibility for field conditions.

A new light-weight, light-draft disc plow, the John Deere No. 12, is built for the new smaller tractors. It is featured by such basic John Deere construction as roller-bearing discs and overhead frame. A new oil-tight, dust-proof power lift raises the plow. Also built for small tractors is the new No. 60 series of John Deere power-lift disc tillers which embody overhead frame, heat-treated discs and ease of adjustment and operation. And the John Deere No. 752 sub-surface cultivator will be recognized as a soil and moisture saver for lighter rainfall areas.

**LETZ**—The new model 340 Letz mill will be on the job at Wichita. It is a big-capacity, hay-fodder chopper, silo filler and grain grinder, when operated by any good 2-plow tractor. It has, among its 22 new features, hinged sides to be raised for bundles or lowered for hay, finger-feed, overload clutch, hinged compressor, automatic tension, cut steel gears, "Planer-mill" cutterhead, single-shaft construction; short, tough, thin knives; screen control, safety drive, directional valve, grain separator, grain valve-sacker, molasses mixer, feed distributor and many other efficient features.

**CHEVROLET**—Trucks for every hauling job on the farm will be featured by Chevrolet. Moving feed and livestock or following along with the combine to take on a load of grain are common-place jobs for these trucks. But they also come in special jobs for such jobs as spraying work or moving tons of earth.

**This Home-Mixed Cough Remedy is Most Effective**

Easily Mixed. Needs No Cooking.

Cough medicines usually contain a large quantity of sugar syrup—a good ingredient, but one which you can easily make at home. Take 2 cups of granulated sugar and 1 cup of water, and stir a few moments until dissolved. No cooking! No trouble at all.

Then get from your druggist 2 1/2 ounces of Pinex, pour it into a pint bottle, and add your syrup. This gives you a full pint of truly wonderful medicine for coughs due to colds. It makes a real saving for you, because it gives you about four times as much for your money. It lasts a long time, never spoils, and children love it.

This is actually a surprisingly effective, quick-acting cough remedy. Promptly, you feel it taking hold. It loosens the phlegm, soothes the irritated membranes and makes breathing easy. You've never seen anything better for prompt and pleasing results.

Pinex is a compound containing Norway Pine and palatable gualacol, in concentrated form, a most reliable, soothing agent for throat and bronchial membranes. Money refunded if it doesn't please you in every way.

**The BEAR CAT**

Combination GRAIN and ROUGHAGE MILL Also ENSILAGE CUTTER



Grinds any feed—green, wet or dry. This feeder really takes in loose roughage, bundles or bale flakes and no monkey business about it. Large capacity guaranteed with ordinary farm tractor. Grinds grain, ear or snapped corn with roughage or separate. Has cutter head and swing hammers. Get full information on this real honest-to-goodness Grinder. Write **Western Land Roller Co., Box 135, Hastings, Neb.**

Distributors for Missouri and Kansas  
**ANN ARBOR KLUHARTT SALES CO.**  
Kansas City, Mo.

**SHAW TRACTORS**  
DU-ALL

Small Farm and Garden Models  
3/4 H.P. to 8 H.P.  
Riding & Walking Types  
Plow, Disc, Harrow, Cultivate, Mow, etc.  
Run Belt Machinery  
Many Other Uses  
Write for LOW PRICES

SEE KANSAS' OWN TRACTOR AT WESTERN TRACTOR AND POWER FARM EQUIPMENT SHOW  
Space 232  
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THE SHAW MANUFACTURING CO.  
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**RIBSTONE SILO**  
Concrete Stave

Built of steel reinforced staves made by a special process producing maximum density and strength. Costs no more than ordinary silos. Build a permanent silo this year and add dollars to your farm profits. Big Discount now. Write to **The Hutchinson Concrete Co. Box 504, Hutchinson, Kan.**



**CANVAS IRRIGATION HOSE**  
Ideal for pump irrigation. Lower cost—less work—flexible—carries water over or around obstacles. Lasts for years. Write for illustrated folder.  
**LINCOLN TENT & AWNING CO.**  
1616 "O" St., Lincoln, Nebraska

**Visit the W-W GRINDER Exhibit**

On Tractor Row at the Wichita Show

See the W-W Triplet Grinder—Grinds dry roughage and grains; ensilage or green stuffs; and manure wet or dry. Three jobs done by one grinder, usually requires three separate machines.



Position at left shows the W-W Grinder ready to operate as a perfect ensilage cutter with self-sharpening knives. Material passes out quickly through blower below.

Right: Same machine with feed table turned one-half around for dry grinding. Big feed opening for full bundles, bales, ear corn. W-W Grinders come in heavy-duty sizes from 3 to 100 h.p. Catalog free. Also, ask about the new W-W Molasses Mixer. No clogging or sticking—low horse-power.

Ask Your **FORD TRACTOR** Dealer for **FREE** Literature and Visit the Demonstration on Tractor Row.  
**GREEN, WET OR DRY GRINDING**

**O. J. WATSON**

133 N. Water Distributor Wichita, Kansas

TABLE OF RATES

Table with columns: Words, One time, Four times, Words, One time, Four times. Lists rates for different word counts and frequencies.

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RATES 6 cents a word each insertion if ordered for 4 or more consecutive insertions. 8 cents a word each insertion on shorter order, or if copy does not appear in consecutive issue; 10 word minimum. Count abbreviations and initials as words and your name and address as part of the advertisement. When display headings and white space are used, charges will be based on 50 cents an agate line, or 87 per column inch; 5 line minimum; 2 columns by 168 lines maximum. No discount for repeated insertion. Headings and signature limited to 21 point openface type. No cuts allowed. Copy must reach Topeka by Saturday preceding date of issue.

Note: These rates not effective on Livestock. Write for Special Rate. REMITTANCE MUST ACCOMPANY YOUR ORDER

RELIABLE ADVERTISING

We believe that all classified advertisements in this paper are reliable and we exercise the utmost care in accepting such advertising. However, as practically everything advertised has no fixed market value, we cannot guarantee satisfaction. In cases of honest dispute we will endeavor to bring about satisfactory adjustment, but our responsibility ends with such action.

Publication Dates: Every other Saturday.

Forms close 10 days in advance.

BABY CHICKS

Freeman's AAA Chicks: Approved 100% Blood-tested, ROP Sired, Large Hollywood English White Leghorns, White Giants \$7.50, R.C.R.I. Whites, Minorcas, Silver Laced Wyandottes \$7.25, Reds, Rocks, Orpingtons, Wyandottes \$6.90, A.A.A. Brown and White Leghorns \$6.45, Heavy Mixed \$5.00. Assorted all breeds \$4.90 per 100 prepaid. Order direct from Freeman's Hatchery, Box K, Fort Scott, Kansas.

As Little as \$5.40 Per 100—Chicks from World's Champion 1938-1939-1940 official laying contests for number monthly high pen, high hen awards, also winner Poultry Tribune award for highest livability of all breeders in official contests. 1 1/2 million chicks monthly. Save up to 20% on early orders. Catalog free. Lindstrom Hatchery & Poultry Farm, 312 Lindstrom Road, Clinton, Mo.

Before Buying Chicks, get details famous Big Boy Chick Raising Plan. You get proper size oil or electric brooder to use free, at no increased price. Thousands satisfied customers acclaim U.S. Approved Big Boy Chicks "America's Finest." Easy-payment credit plan optional. Write Illinois State Hatcheries, 333 Jefferson, Springfield, Illinois.

Schlichtman Square Deal Chicks, U. S. Approved, Pullorum tested. Prepaid per 100. Leghorns, Anconas, \$6.25; Rocks, Reds, Orpingtons, Wyandottes, Minorcas, \$6.50; Brahma's, Giants, \$7.50. Assorted, \$4.90; pedigreed and sexed chicks. Free catalog explaining 25-cent replacement guarantee. Schlichtman Hatchery, Appleton City, Mo.

The Low Mortality of "Blue-Blood" chicks justifies us in promising you more value for your chick dollar. Write for customers proof and catalog. 25 years flock improvement. Best standard breeds, also five successful hybrids: Austra-Whites, Minorca-Leghorns, Wyand-Rocks, Leg-Rocks, Legreds, Ross Poultry Farm, Box 25, Junction City, Kan.

Combs' ROP Leghorn Chicks. Bred from high livability families. Sired by 250-331 Egg ROP Males. 1940 Contest pens, Texas and Connecticut averaged 245 eggs; 251.85 points per bird. Chicks. Sexed Chicks. Hatching eggs. Very reasonable prices. Part of contest plan. If desired, Catalog, Combs and Son, Box 6, Sedgewick, Kansas.

Hand-Picked, Better-Bred Chicks from the team which has placed in Missouri's Great Poultry Belt 90% R. O. P. Sired, 100% Livability Cash Replacement Guaranteed! All popular breeds. Write for low early-season prices and beautifully illustrated literature. Mildred Bros. Hatcheries, Box 4, Warrenton, Missouri.

Missouri's Finest Purebred Chicks. Strong, healthy, bloodtested. Immediate shipments from hatchery. Leghorns \$6.30, Pullets \$11.30, Cockerels \$2.95. Rocks, Reds, Wyandottes \$6.30, Pullets \$8.30, Cockerels \$6.30. Heavy Assorted \$5.80. Assorted \$4.40. Catalog. Garden City Hatchery, Garden City, Mo.

Super-Quality "AAA" Chicks: Missouri Approved, Bloodtested, 100% live, prompt delivery. Leghorns \$6.10, Pullets \$10.40, Cockerels \$3.50. Rocks, Reds, Wyandottes \$6.40, Pullets \$8.90, Cockerels \$6.40. Heavy Assorted \$5.75. Assorted \$4.50. Postpaid. Catalog. ABC Hatchery, Garden City, Mo.

Booth's Famous Chicks: Grow Faster, Lay more eggs, Pay Extra profits. Highest Average egg production for Rocks, Reds and Leghorns of any breeder in Official Laying contests. Better livability. Bargain prices. Sexed. Free catalog. Booth Farms, Box 108, Clinton, Mo.

Try Love's Production Bred Chicks this year. 90% livability guaranteed 14 days. Sexed or straight run—in 3 grades. 11 standard breeds. 25 best birds. Write for literature. Write for early order prices and discounts. Love's Hatchery, 218C East 6th, Topeka, Kan.

Johnson's Triple Test Chicks. Production bred, rigidly culled and Kansas approved. Pullorum tested. Purebreds, hybrids, sexed chicks. Write for free circular. Johnson's Hatchery, 218 West First, Topeka, Kan.

Big Husky AAA Missouri Leghorns \$5.95, 95% Pullets \$10.95; Rocks, Reds, Wyandottes, Orpingtons \$6.20, pullets \$7.95, cockerels \$6.20. Blood-tested, postpaid. Clinton Chickeries, Clinton, Mo., Box D77.

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Clean Cistern Water Obtainable. U-S and Rain-bow Filters strains. Purifies. See dealers. Information free. Filter Company, Bloomington, Ill.

PHOTO FINISHING

Free—One Roll Developed and Printed Free. Just to get acquainted, we will beautifully develop and print your first 6 to 16 exposure roll Free plus 5x7 inch enlargement Free, also sensational, new folding folio to frame your prints, all free with this ad. (Enclosing 10c for handling and mailing appreciated.) Dean Studios, Dept. 1031, Omaha, Nebraska.

16c Develops & Prints 6-8 exposure roll, or 2 prints each and enlargement coupon, 25c. 20 reprints 25c. Prompt. Anderson Studio, Hutchinson, Kan.

Rolls Developed, two prints each and two free enlargement coupons, 25c; reprints 2c each; 100 or more, 1c. Summers Studio, Unionville, Mo.

Enlargement Free, eight brilliant border prints and your roll developed 25c. Camera Company, Oklahoma City, Oklahoma.

Album With Roll Developed and 16 prints 25c. Guaranteed reprints 15c. Pioneer Photos, Hutchinson, Kan.

Trial Offer One Colored Enlargement, Dime and negative, Giant Snapshots, 1 block, Green Bay, Wis.

EDUCATIONAL

Make Up to \$25-\$35 week as a trained practical nurse! Learn quickly at home. Booklet free. Chicago School of Nursing, Dept. F-2, Chicago.

AUCTION SCHOOLS

\$100 Day Auctioneering. Term soon, free catalog. Reich Auction School, Austin, Minn.

LIVESTOCK REMEDIES

Abortion Protection one calfhood vaccination. Government licensed vaccine, money back guarantee. Free literature. Farmers Vaccine Supply Company, Department P, Kansas City, Mo.

MEDICAL

Are You Suffering? Piles, Fistula, Stomach and Colon sufferers—write today for large 122-page book. Sent free. Describes mild method used in our Clinic. Thousands of references. Many from your section. McCleary Clinic, E2440 Elms Blvd., Excelsior Springs, Mo.

\$25.00 Reward Will Be Paid by the manufacturer for any corn Great Christopher corn and callous Salve cannot remove. Sold by all dealers. Manufactured by Great Christopher Corp., Buffalo, N. Y.

Life Begins With Good Health, then don't suffer with piles, try our inexpensive home treatment, \$1.00 per box, postpaid. Thomas Foley, distributor, Post Office Box 726, Chattanooga, Tenn.

LAND—KANSAS

**IDEAL STOCK FARM**

280 acres Jefferson County 8 miles from Valley Falls. 160 acres best native pasture in one body, plenty of water, also other timbered pasture. 98 acres plow land about half creek bottom. Dwelling, two barns and other buildings. To right party will sell on most unusual terms of \$1250 cash then \$502.55 annually including the lowest rate of interest ever offered. Possession Mar. 1 if sold within next 10 days.

**SMALL FARM HOME**

80 acres equally distant from Lawrence or Ottawa, neat 4 room cottage, large barn, silo. Plenty of water from well with windmill. Gently sloping plow land is terraced and limed. Possession Mar. 1, \$500.00 cash, then \$113.75 every six months including interest.

EARL C. SMITH  
412 C. B. & L. Bldg. Topeka, Kan.

**A Bottom Farm**

287 acres—on slab, adjoins town 900 population. 75% smooth, tillable bottom. 80 plowland, balance pasture. Well improved, new barn. \$1,000 cash. Annual payments include interest only \$397.

G. L. BRADBURY  
Garnett, Kansas

Poultry Farm nine acres. Fifteen-hundred hens and six thousand chick capacity, four room modern house, all new. Priced to sell. Chas. Kristufek, Larned, Kan.

320 Acres—8 miles from Emporia, all-weather road, 100 plow, 220 fine blue stem, good improvements, on high time, only \$30 an acre. T. B. Gosdey, Emporia, Kan.

LAND—COLORADO

320 Acres—Eastern Colorado level farm land, for sale or trade by owner. Tankersley Hotel, Clay Center, Kansas.

LAND—MISCELLANEOUS

**FEDERAL LAND BANK**

WICHITA, KANSAS  
Farms for sale in Kansas, Oklahoma, Colorado and New Mexico. See National Farm Loan Association in your county or write direct. Give location preferred.

More New Farm Land, Washington, Minnesota, Montana, Idaho, Oregon, North Dakota. Dependable crops, favorable climate. Write for literature, list of typical bargains. Specify state. J. W. Haw, 81 Northern Pacific Ry., St. Paul, Minn.

422 Acre Modern Stock and Dairy ranch good location. Nutter Agency, Ashland, Oregon.

REAL ESTATE SERVICE

Wanted—To Hear From Owner of land for sale for spring delivery. Wm. Hawley, Baldwin, Wis.

For Farm and Ranch Bargains, write Kysar Realty Company, Olathe, Kan.

Wanted to Hear From Owner of farm or unimproved land for sale. Wm. Hawley, Baldwin, Wis.

SALESMEN WANTED

**NEW DEALERS WANTED**  
For Raleigh Roules in Kansas and nearby states

We help you get started. Good profits to willing workers. No experience needed to start. Only reliable men need apply. Write today. Raleigh's, Dept. B-1421-KFM, Denver, Colo.

AGENTS WANTED

Make 50% Selling Seeds. Order twenty 5¢ packets today. Paid when sold. Daniel Seed Farms, Grantsburg, Wis.

INTEREST TO WOMEN

Remnants for Corsets and Quilts. 10 pieces 20¢; 200-35¢; 25 yard bundle \$1.00. Paid. Samples free. Eagle's, Terre Haute, Ind.

HONEY

Delicious Light Amber Honey 60 lbs \$3.7 two or more \$3.50; delicious amber honey \$3.50, two or more cans \$3.35. No smartweed honey in any described above. Irvin Klaassen, White-water, Kan.

FOR THE TABLE

EXTRA Large Clean Dried Prunes—Cartsweet Italian, quality guaranteed, \$8 hundred, f.o.b. Salem. Edward Deneer, Rt. 3, Salein, Oregon.

For Sale: Fancy Vermont Maple Syrup, \$2.25 gallon f.o.b. Alfred N. Jenne, Winsor, Vermont.

HOSIERY

Hosiery Specials: Men's assorted hose, \$1.20 dozen for seconds, \$1.85 for firsts; boot wool stockings, \$1.85 dozen. Sold in lots of six pairs to one dozen pairs. COD shipments only. Manufacturers Outlet, Thomasville, N. C.

QUILT PIECES

Quiltmakers: 60 beautiful, tubfast, assorted prints 25¢. When ordering, state if interested in selling your quilts. E. McIntyre, 126-S Homan, Chicago.

NO TRESPASSING SIGNS

Stop Trespassing. Protect your farm from prairie who leave open gates, destroy your crops and clutter up your place. 5 Signs 50¢ Postpaid. (These signs are so worded and arranged that you can cut them in half making 10 signs, if desired.) They are printed on heavy, durable card board, brilliant orange color, 11x14 inches. T. H. Hahn, Kansas Farmer, Topeka, Kansas.

PATENT ATTORNEYS

Inventors: Take first step toward protecting your invention—without obligation. Send for free "Record of Invention" form—and free "Patent Guide" containing instructions on how to patent and sell inventions; details of search service; convenient payment plan. Write today. Clarence A. O'Brien, Registered Patent Attorney, 1B19, Adams Building, Washington, D. C.

Patents, Booklet and Advice Free. Watson E. Coleman, Patent Lawyer, 724 9th St., Washington, D. C.

PATENTS AND INVENTIONS

Inventors—secure patent protection now. Avoid delays. Get new Free copyrighted book, "How To Protect Your Invention" and Free "Invention Record" form. Experienced, conscientious counsel. Reasonable fees—easy payment plan. Write today. McMorrow and Berman, Registered Patent Attorneys, 119-E Barrister Building, Washington, D. C.

SPARROW TRAPS

Sparrow Trap. My Homemade Trap caught 151 sparrows in 9 days. It's cheap and easy to make. Plans 10¢. Sparrowman, 1715-A Lane St., Topeka, Kan.

MISCELLANEOUS

Notes, Accounts, Debts, collected anywhere in U. S. If no collection is made, no charge. Bonded and licensed. Write J. K. Neumann, 308 Majestic Bldg., Denver.

We Collect Notes, Debts, Everywhere. No charges unless collected. May's Collection Agency, Somerset, Ky.

**IN THE FIELD**



Jesse R. Johnson  
Topeka, Kansas

J. C. DOW, Burdett, has one of the good Hereford herds of the state. The farm is located 7 miles west of Burdett on Highway 50 North. Mr. Dow specializes in Domino Stanway breeding. Readers are invited to visit the herd any time.

HANS REGIER writes that he can use 15 or 20 more good Shorthorn cattle for the March 26, SOUTHERN KANSAS BREEDERS' SALE. Breeders having cattle to offer should write Mr. Regier at once. His address is Whitewater, Kan.

GERHARDT FARMS are located at Greenleaf. Registered Holstein cattle are produced there. They have a young son of the World's Fair cow, Colantha Butterfly Conductor, the only Kansas Holstein cow to appear in the Borden 1940 World's Fair exhibit.

OSCAR E. LATZKE, proprietor of the Latzke Aberdeen Angus farm at Junction City, sends change of copy and says, "We have had a good business this winter and inquiries are coming in right along." The Latzke herd is one of the oldest and strongest herds in the state.

We have a letter from H. A. Rogers, sales manager of the NORTHWEST KANSAS HEREFORD BREEDERS' ASSOCIATION authorizing us to claim April 22 as the date for their spring sale. The sale will be held at Mr. Roger's home address, which is Atwood, Kan.

JOS. J. WONDRA, Holstein breeder, of Chaffin, has decided to disperse his small, but well-bred, herd of registered Holsteins. His herd bull is a grandson of the All-American show bull, Man-O-War Progressor. Some of the females in this herd are producing up to 70 lbs. daily.

E. C. LACY AND SONS, Miltonvale, are well-supplied with good, thick Shorthorn sons of Glenburn Destiny and G. V. Victorious. The Lacy's have one of the older and better herds in Kansas. Glenburn Destiny sons are meeting with the approval of customers in need of new blood after using Lacy bulls for the last few years.

C. E. McCLURE, Hampshire hog breeder, of Republic, tells us that his boar, Rough Diamond, is proving to be an exceptionally good sire. The gilts that are bred for spring farrow are carrying litters by this boar, and the fall pigs on the farm are by him. The McClure herd is one of the strong herds of the state.

HARRY LOVE, breeder of registered Spotted Poland Chinas, reports nice inquiry and good sales. Among recent buyers were Lee Gray, of Pretty Prairie; John Locke, of Rago; George Paulsen, of Concordia; Lyman West, of Elgin; Albert Barker, of Osawatimie. Mr. Love has a nice selection of pigs and lives at Rago, in Kingman county.

JOHN H. HEIMAN, HUMBOLDT, will make a sale of high-grade Guernseys on his farm near Humboldt on Wednesday, February 19. Mr. Heiman has bred Guernseys for more than 20 years. He has gradually culled out the less desirable ones and always uses a choice registered bull. His present herd bull is a son of the imported bull, Meadow Lodge Rex. Horses, hogs, and other stock sell the same day.

C-K HEREFORD RANCH authorizes Kansas Farmer to claim April 21 as the date for its annual spring sale. Old and new buyers can look forward with confidence to this event. C-K Ranch has supplied farmers and commercial cattle growers with a lot of high-class, thick bulls during the last few years. This sale will be no exception from the standpoint of quality cattle, with breeding to match. See Kansas Farmer later for advertising of this sale. As usual, the sale will be held in the big pavilion on the ranch near Brookville.

To our knowledge the only Berkshire sale to be held in Kansas or Missouri this year will be the BELLOWES BROS. BERKSHIRE SALE to be held in Northwest Missouri at Maryville. On Monday, February 24, they will sell 50 head of bred sows and gilts. Fifty per cent will be due to farrow in March. Not only have these breeders paid particular attention to good Berkshire type—but that I mean the good-hammed, deep-sided, early-maturing kind—but they also are using boars at the head of the herd of this same type and of the breed's most prominent bloodlines. A catalog gives detailed information; we suggest you write for it. Address Bellows Brothers, Maryville, Mo. Many Kansas breeders are probably wondering if this is the same firm that breeds registered Shorthorns, and we answer by saying it is and that their Berkshires compare favorably with their Shorthorns.

ROY DILLARD, manager of JO-MAR GUERNEY FARM at Salina, authorizes us to claim April 16 as the date for his big annual spring sale. Mr. Dillard says, "Please advise us of publication dates for 1941. We want to run 2 good-size advertisements; one a good time before the sale and one close up." Mr. Dillard adds they will sell about 75 head and plan to make this the biggest and best sale they have ever had. Jo-Mar Farm Guernseys are so well known, and Mr. Dillard's reputation so thoroughly established for square dealing, that no one will doubt the above statement. Watch Kansas Farmer for the advertising.

MRS. E. W. OBITS, Herington, announces a dispersion sale of her registered Holstein cattle to be held March 17. The Obitts herd is one of the strong herds of the state. It was founded years ago with daughters of the great breeding bull, Canary Butter Boy King. Among the good bulls used in the herd since its establishment was a son of King Segis Pontiac Superior. Two Man-O-War bulls have headed the herd, and now comes a grandson of Sir Inka May, from the S.B.A. herd at Topeka. The herd has been on DHIA test for many years, and good records have been made. Later issues of Kansas Farmer will tell more about this important event.

MORRIS COUNTY HEREFORD BREEDERS' ASSOCIATION held its annual meeting in Council Grove, December 28. About 30 breeders were in attendance. Interesting talks were made by J. J. Moxley, Dr. B. E. Miller, president of the Kansas Hereford Breeders' Association, and the county agent, Walter O. Scott. Officers were elected for the ensuing year: J. B. Pritchard, Dunlap, president; F. H. Manning, Council Grove, vice-president; Walter Scott, Council Grove, secretary; C. H. White, Council Grove, treasurer. Mr. Pritchard was selected for sale manager, and March 12 was decided upon as the spring sale date.

A. LEWIS OSWALD, successful Jersey breeder and regular advertiser in Kansas Farmer, writes a good letter full of interest and encouragement from the standpoint of a breeder who moves out to do things. The Oswald herd is a classified herd and every animal on the farm has been classified "Excellent," "Very Good," or "Good Plus," which means there are no culls. Mr. Oswald plans to make a public sale about October 6, in which he will offer Gold and Silver Medal cows and at least one 4-Star bull and, of course, descendants of such breeding. This is just a tip to our readers to look forward to this great event. Details will appear occasionally concerning the offering and just how it is to be done.

This issue of Kansas Farmer carries the announcement of the TOM ASHTON HEREFORD SALE of 300 registered and purebred unregistered Hereford cows to be sold at Haigler, Neb., just over the line from Kansas, February 15. The above offering consists of cows grown on the Ashton Ranch, 25 miles north of Haigler. Last year the cow herd produced a 95 per cent calf crop. Fifty steer calves from the herd were sold to J. S. Allen, of Liberty, Mo., and are being fed for the American Royal. The cows that go in this sale are of good ages and are pasture bred in spring calving in March. They may be seen any time before the sale on the Ashton Ranch. Write for particulars and mention Kansas Farmer.

E. L. "BERT" BARRIER, Eureka, reports unusual demand for registered Aberdeen Angus bulls and females. Mr. Barrier has one of the high-class registered Angus herds of the entire country. His herd is among the oldest and best-known herds, and inquiries and sales develop often due to sales made in previous years. Recently, he sold 24 helpers and a bull to a prominent breeder at Hartley, Del. Mr. Barrier culls his bulls closely, and recently topped the Kansas City market on a carload of steers that wasn't considered good enough to keep for bulls. This load of steers sold at \$13.25 a hundred and brought almost \$140 a head. This is another demonstration of the value of good bulls for use in spring cattle for the commercial market. Mr. Barrier says he is well fixed to supply the needs of old and new bull customers.

NORTH CENTRAL KANSAS SHORTHORN BREEDERS' ASSOCIATION held its annual meeting at Glasco, January 24. About 30 breeders were in attendance. Plans were made to hold a spring picnic at Glasco. Secretary Edwin Hedstrom would like to hear from breeders as to their preference of the date. It was decided to hold a sale this fall. Officers were elected as follows for the ensuing year: Arthur Johnson, Delphos, president; Fred J. Yarrow, Clay Center, vice-president; Edwin Hedstrom, Clay Center, secretary-treasurer. Directors for the various counties were chosen as follows: Washington, Will Molyneux, Palmer; Riley, Ed Visser, Riley; Ottawa, Albert Johnson, Delphos; Osborne, H.

BERKSHIRE HOGS

**BERKSHIRE BRED GILT SALE**

In Sales Pavilion at Farm 1 Mile S. W. of Maryville, Mo., February 24

45 BRED GILTS—5 TRIED SOWS  
Most of these sows and gilts are bred for March litters and bred to real farmer type boars. We feature good-doing, easy-feeding Berkshires of the most popular bloodlines. All Registered—All Immune. Write for catalog, please mention Kansas Farmer.

Bellows Bros., Maryville, Mo.  
Bert Powell, Representing Kansas Farmer (Maryville is in N. W. Missouri and can be conveniently reached by Kansas buyers.)

DUROC JERSEY HOGS

**Bred Duroc Gilts**

The good, growthy, easy-feeding type. Will average 350. Bred to TOP ACE (by TOP ROW).  
Sherwood Bros., Concordia, Kansas

CHOICE BRED DUROC SOWS AND GILTS  
Carrying finest breeding quality. Backed by generations of top bloodlines and fine bloodlines. Profile dams, the matronly kind. Bred to outstanding young boars. New blood for old customers. Fall boars and gilts. Immune. Write, or better yet, come. Prices right.  
G. M. Shepherd, Lyons, Kansas

**HOOK & SONS' DUROCS**

Duroc March bred Gilts of medium, close-to-the-earth, quick-maturing type, 425 lbs. Boars of all ages. We bred and raised in 1940 American Royal Junior Champion boar. Fancy Fall litter bred same way, 250 lbs.  
Ben Hook & Sons, Silver Lake, Kan.

40 SHORT THICK DUROC BOARS  
All sizes. Stout built, short-legged, easy-feeding type. Registered immune, shipped on approval. Photos, prices, on request. 35 years a breeder.  
W. R. Huston, Americus, (in Eastern) Kansas

HAMPSHIRE HOGS

**HAMPSHIRE BRED GILTS**

Hampshire Gilts bred to farrow in March and April. Producers' type and best of bloodlines. Inspection invited.  
C. E. McCLURE, REPUBLIC, KAN.

**HAMPSHIRE FALL BOARS**

Choice last fall boars and gilts. Selected individuals and best of bloodlines.  
FRED ZEDNIK, FAIRBURY, NEB.

O. I. C. HOGS

**Pedigreed O. I. C. Hogs**  
BLOCK TYPE  
PETERSON & SONS, OSAGE CITY, KAN.

STALLIONS—JACKS

12 GOOD JACKS, 10 JENNETS and 8 PERCHERON STALLIONS  
Riverside Stock Farm, Seneca, Kan.

**For Sale—Belgian Stallion**

A nice dark sorrel, good style and sure breeder. 9 years old. Priced right.  
JACOB MORLONG, ENTERPRISE, KANSAS

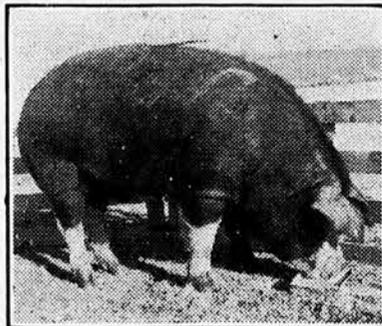
**Belgian Stallion—Black Jack**

For sale: Registered Belgian Stallion, sorrel, 5 years old. Also black jack, 9 years old. Write  
FRANCIS GROTHAUS, Smith Center, Kan.

SPOTTED POLAND CHINA HOGS

40 Excellent Fall Boars and Sow Pigs  
Easy feeders. The type every farmer should have. Up to the minute bloodlines. Registered and immune.  
EARL J. FIESER, NORWICH, KANSAS

**Poland Bred Sow Sale**



K'S MISCHIEF MIXER

South of Wellington (15 Miles South of the State Line)  
In Sale Pavilion on Fair Grounds  
Blackwell, Okla.,  
Thursday, February 20  
45 HEAD—The best from two herds.  
10 TRIED SOWS and FALL YEARLINGS

Offering 25 Spring Gilts, over half of them sired by the great boar, K's Mischief Mixer. Bred for March and April to Knox's Golden Rod (son of the grand champion Golden Rod) Mixer's Royal (full brother in blood to Royal Mixer (junior yearling American Royal 1939 and 1st Fall Boars and Gilts).  
This is Mr. Knox's 46th public sale.—J. R. J.

Owners: I. E. KNOX, HUNNEWELL, KAN.  
A. E. BONNEWELL, BLACKWELL, OKLA.  
Aucts.: C. W. Cole, Geo. Tarpening  
Jesse R. Johnson with Kansas Farmer

**HEREFORD CATTLE**

**PRICED TO SELL**

Bulls and heifers of serviceable age. Domino-Stanway breeding of top-quality. These animals are ready to make money for you.

**J. C. DOW**

**Burdett, Kansas**  
7 Miles West on US 50 North

**Hereford Bulls for Sale**

Domino-bred Bulls from 12 months to 2 years old in good condition and the kind you will be satisfied with when you see them. Visit or write to **ORVILLE L. JENKINS**, at **Hidden's Pleasant View Stock Farm, Emmett, Kansas** (12 miles north of St. Marys, on K.63, and 1/2 mile east).

**Hereford Bulls, 8 to 24 Mos.**

25 head—good quality—good type and of proven bloodlines. HAZFORD-WHR combination bloodlines in our herd bulls. We also offer females. Herd established 35 years.  
**LEON A. WAITE & SONS, WINFIELD, KAN.**

**POLLED HEREFORD CATTLE**

**REGISTERED POLLED HEREFORD BULLS**

10 coming yearlings. Straight lines and excellent quality. Sired by Prince Bullion, Dams of Mossie Pinto, Worthmore and Harmon breeding. 200 head in herd.  
**W. S. GRIER, PRATT, KAN.**  
10 Miles East on Highway 54



**Registered Polled Herefords**

For sale, young stock, both sexes, of choice quality, beautifully marked, and priced to sell.  
**F. O. RINDOM, LIBERAL, KAN.**

**ANGUS CATTLE**

**15 Registered Angus Bulls**

8 to 11 months old. One coming 2-year old. Some of them sons of Proud Cap. K. 541403.  
**Oscar C. Latzke, Junction City, Kansas.**

**Dalebanks Aberdeen Angus Farm**

Bulls and heifers of choice breeding and type. From a herd whose culls consistently top best markets.  
**E. L. BARRIER, EUREKA, KAN.**

**SHORTHORN CATTLE**

**Lacy's Scotch Shorthorn Bulls**

Good reds and roans, 10 to 20 months old. Sired by Glenburn Destiny or G. F. Victorious. Priced to sell.  
**E. C. LACY & SONS, MILTONVALE, KAN.**

**Shorthorn Bulls for Sale**

5 Bulls 9 to 13 months. Also a 3-yr.-old Bull. Real herd headers, price \$60 to \$150.  
**H. W. ESTES, SITKA, KANSAS**

**Shorthorns--Bulls, Heifers**

20 Bull Calves to serviceable ages, bred and open heifers. Good bloodlines. Polled and Horned.  
**W. W. and A. J. Dole, Canton (McPherson Co.), Kan.**

**POLLED SHORTHORN CATTLE**

**BANBURY'S** where some of the best are bred and tops are purchased. One of the largest herds.  
**J. C. BANBURY & SONS**  
Plevna (Reno County), Kansas

**MILKING SHORTHORN CATTLE**

**Duallyn Milking Shorthorns**

Bull Calves--from Record of Merit ancestry--are offered. We breed the real double-deckers--International Champions--beef and butterfat.  
**JOHN B. GAGE, EUDORA, KAN.**

**Milking Shorthorn Dispersal**

(PRIVATE SALE)  
Cows from 4 to 6 years old. Choice last spring Calves (red and roans), and my 1-year-old roan Otis (Hutchinson herd bull (Duke of Reno). All priced for quick sale.  
**J. F. MALONE, LYONS, KANSAS**

**Milking Shorthorn Bulls**

**PARKER FARM, STANLEY, KANSAS**, has for sale Bulls from 2 to 10 months old, out of record of Merit dams and sired by outstanding bulls. These bulls will develop into outstanding herd sires. **CARL PARKER, Owner.**

**FEW CHOICE BULLS**

Reds and roans. Serviceable ages. Backed by record champion breeding and excellent milk records. **MAYVIEW FARMS, HUDSON, KANSAS**

**JERSEY CATTLE**

**OCT. 6th, 1941**

the date when the greatest array of Gold and Silver Medal Jersey cows have ever been offered for sale on Kansas Soil. It will be Rotherwood's First Great Sale. Genuine tops!  
**A. LEWIS OSWALD, Rotherwood Jerseys, HUTCHINSON, KANSAS**

**Service Age Jersey Bulls**

The Brookside Stock Farm carries a full line of purebred bulls of serviceable ages. Visitors welcome. **MARSHALL BROS., SYLVIA, KAN.**

**DAIRY CATTLE**

**FANCY DAIRY HEIFERS**

Hybrid dairy heifers, \$8. Full blood Jersey heifers and purebred Holsteins and Shorthorns.  
**LAWNEE DAIRY CATTLE CO., DALLAS, TEX.**

F. Walker, Osborne; Norton, Faye Leichter, Clayton; Mitchell, Andrew Peterson, Beloit; Lincoln, C. V. Williams, Hunter; Dickson, A. R. Broadfoot, Chapman; Cloud, Glenn Lacy, Miltonvale; Clay, S. B. Amcoats, Clay Center.

**L. J. CHAPMAN HOLSTEIN DISPERSION SALE**, Lees Summit, Mo., near Kansas City, will interest a lot of Kansas dairymen. The large number selling, a few more than 200 head, and the breeding and individuality will all have a bearing on the prospective buyer. The herd, established 16 years ago, has held the keenest interest of the owner, L. J. Chapman, and he has stayed with the Ormsby line of breeding. As well as being a good producing herd, it was on the show circuit for a number of years and the hundreds of ribbons won are best evidence of the individual merit found in the animals represented in this herd. A careful check of the records of Holsteins selling shows the fact is evident that they have a higher butterfat content than those found in most herds. As so many are to be sold, the sales managers, Baird and Darcey, of Waukesha, Wis., have decided to make it a 2-day event. The 100 registered Holsteins sell on Monday, February 17, and 50 grade Holsteins, 35 Guernseys and 15 Jerseys sell on Tuesday, February 18. Write to Harvey Hartvigsen, the efficient farm manager, Lees Summit, Mo., for catalog.

Sixteen years ago **GUY T. HELVERING AND G. H. NIEMAN** established a herd of registered Guernseys at Marysville, Kan. Foundation stock came from many of the best herds in the entire country. Five years ago Mr. Nieman bought the Helvering interest and was rapidly completing plans to continue in the building of a still larger and better herd. But his plans were halted by the death of his wife and now the herd is to be dispersed. The date is Tuesday, February 25, and readers of this paper may have the benefit of years of herd building on the part of Mr. Nieman and his capable wife. Mr. Nieman is leaving the farm and every Guernsey sells without reserve. The herd is in excellent condition, both from the standpoint of health, ages and condition, to go to new homes and make good. The cows are in their prime of usefulness and records have been kept for several years. The catalog will show the array of rich breeding backed by ancestors that have helped to give the breed prominence. Parties interested in registered and grade Belgians can inspect them sale day. For catalog address, G. H. Nieman, Marysville, Kan. Mention Kansas Farmer when writing.

With the rapidly increasing demand for pork and the accumulated shortage of hogs in Kansas, we are glad to announce the coming sale of **HARRY GIVENS**, successful breeder of registered Durocs for more than 35 years. Mr. Givens purchased his first sow from the Kansas State College that long ago and has bred Durocs continuously since then. The herd was at times small in numbers, but type has been maintained. Mr. Givens started with a rather large kind of meaty hog and has gone in for that type ever since. The proper description of the Givens kind, I think, would be the big, smooth type. In selecting herd boars, an effort has always been made to take a little off their legs and lay more meat over the loin and get the legs straight. The present boar, the boar the sows and gilts will be bred too, came from a leading Nebraska herd. His name is Fannie's Leader, and he was sired by Leader Wonder 2nd. His dam, Fannie Orion 3rd, was a daughter of the noted sire, Grandmaster. The offering will be unusually uniform and carry the breeding of The Orions, Times Gazette. The date of the sale is April 3 and advertising will appear in Kansas Farmer. Write any time for catalog and mention this paper.

Kansas Hereford breeders have again demonstrated the high appraisal placed on their cattle by Kansas commercial growers as well as breeders of registered cattle. Forty-nine bulls were sold in the **THIRD ANNUAL BREEDERS' SALE**, held at Hutchinson early in January, and 42 of them were bought by Kansas cattlemen. Seventeen females were sold and 15 of them stayed in Kansas. W. S. Hexof, McCracken, bought the top bull, paying \$450. The champion female of the show was purchased by Leon A. Waite and Sons, Winfield, Kan. She was consigned by E. Sundgren and Son, Falun, Kan. Betty Blank, consigned by R. O. Wizner, of Leon, was the top female selling for \$405. She carried a calf and was also bought by Leon A. Waite and Son. Hal Ramsbottom, a 4-H Club boy of Munden, showed his bull to first in the summer yearling class and sold him in the auction for \$450. The buyers were Titus and Stewart, of Cottonwood Falls, Kan. Lot 18 in the C-K Ranch consignment was first in the junior bull class and grand champion of the show, and he sold for \$430. The buyer was T. I. Mudd, of Russell, Kan. No. 27, Real's Onward Domino 28th, consigned by John Luft, of Bison, Kan., was the outstanding bull of his age in the show and sale. One year old to the day, and almost without fault, he sold to M. Roberts, of Holsington, Kan., for \$430. Forty-nine bulls averaged \$244, and 17 females \$176. The entire offering brought a general average of \$211. It was one of the best collections of Herefords to be sold in the state in recent years. J. J. Moxley was sale manager, and A. W. Thompson did the selling.

**Public Sales of Livestock**

- Hereford Cattle**  
February 15—Tom Ashton, Haigler, Neb.  
March 3-4—Hereford Round-Up Sale, Kansas City, Mo. B. M. Anderson, Sales Manager, 300 West 11th St., Kansas City, Mo.  
March 12—Morris County Hereford Association, Council Grove.  
April 21—C-K Ranch, Brookville.  
April 22—Northwest Kansas Hereford Breeders' Sale, Atwood. Sales manager, H. A. Rogers, Atwood.
- Angus Cattle**  
April 26—Nodaway County Aberdeen Angus Breeders' Association, Marysville, Mo. Hal T. Hooker, Secretary-Treasurer, Marysville, Mo.
- Shorthorn Cattle**  
March 26—Shorthorn Kansas Shorthorn Breeders, Wichita. Hans Regier, Whitewater, sale manager.
- Guernsey Cattle**  
February 19—John H. Helman, Humboldt.  
February 25—Geo. H. Nelman, Marysville.  
April 16—Jo-Mar Farm, Salina.
- Holstein Cattle**  
February 17-18—L. J. Chapman Dispersal Sale, Lees Summit, Mo. Sales managers, Baird and Darcey, Waukesha, Wis.  
March 12—Ira Romig and Sons, Topeka. Dispersal sale.  
March 17—Mrs. E. W. Obitts, Herington.
- Jersey Cattle**  
October 6—Rotherwood Jersey Farm, Hutchinson.
- Dairy Cows**  
April 3—Harry Givens, Manhattan.

**Nieman's Guernsey Cattle Dispersal**

On Farm 1 Mile East and 1 North of Marysville

**Tuesday, February 25**  
**40 HEAD**



30 registered and 10 purebred (not eligible to record). 20 excellent young cows, of good Guernsey type, best of udders. In milk or close to freshening sale day. To the service of **ST. ALBION'S STAR GAZER** (whose dam has butterfat record of 808 as 3 1/2-year-old).

12 bred heifers and 8 open heifers. Herd has been on D.H.I.A. test for several years. Yearly average never below 318 lbs. fat (1940 herd average 381 fat), with about one-third heifers. Offering includes the 1940 high 4-year-old cow of the breed in Kansas, and many of her sisters; also the herd bull. 8 of the above unrecorded heifers are consigned by **PAT CHESTNUT**, of Denison, Kans.

Everything tested for Tb., Bang's and mastitis.

For catalog address

**G. H. Nieman, Marysville, Kan.**

February 27 is our farm sale, registered Belgian mares in foal, fillies, stallion, and 10 grade colts. Farm implements, harness, furniture, etc.

Auctioneers: **Boyd Newcom and A. M. Porterfield**  
Jesse R. Johnson, Fieldman

**Ashton Ranch Hereford Sale**

**300 Registered and High-Grade Bred Cows**  
BENKELMAN SALES CO. PAVILION

**Benkelman, Neb., Saturday, Feb. 15**

50 REGISTERED COWS, 6 and 7 years old. 250 Cows (purebred, but selling as grades), 4 to 6 years old. All pasture bred to HESTER-bred bulls.

4 Registered Herd Bulls.  
All of excellent Hereford type, selling in nice condition, weighing around 1,000 pounds. Herd produced a 95% calf crop last year. 50 steer calves, now being fed by a Missouri breeder for next ROYAL, were from this herd. Vaccinated against abortion. For further particulars write

**TOM ASHTON, Owner, HAIGLER, NEB.**

Sale Manager: Miles Jones  
Cattle Now on Ranch, 25 Miles North of Haigler  
Auctioneer: E. T. Sherlock, St. Francis, Kans.  
Also 700 other Nebraska cattle sell same day, including a consignment of Registered Bull calves and others ready for service.

**Ely Hereford Ranch**



SIRES IN SERVICE BRED BY HAZLETT

200 Head—every animal, except three herd bulls, bred on the ranch. And all of them sired by or carrying the blood of the **ROBT. HAZLETT** bulls, **BONLEY 3d** (by Beauty Bocado), **RUPERT TONE 18th** (out of the noted cow Wilma Tone), and **HAZARD TONE 21st** (son of Hazard Tone). No herd in Kansas has more Hazlett breeding; nothing but Hazlett bulls have been used for fifteen years. 30 Bulls for sale, 10 to 16 months old. Selected individuals, selling in nice breeding form. Also females.

**R. D. ELY, Attica, (Harper County) Kansas**

**AYRESHIRE CATTLE**

**AYRESHIRE DAIRY CATTLE**

Fastest Growing Dairy Breed  
Write for literature or names of breeders with stock for sale.  
**AYRESHIRE BREEDERS' ASSOCIATION**  
260 Center St., Brandon, Vt.

**Berkshire Hogs**  
February 24—Bellows Bros., Marysville, Mo.

**Poland China Hogs**  
February 20—I. E. Knox, Hunnewell, Kan., and A. E. Bonnewell, Blackwell, Okla.; sale at Blackwell, Okla.

**Hampshire Hogs**  
February 25—Kansas Hampshire Breeders' Sale, Hutchinson. John Yelek, Rexford, chairman sale committee.

**Duroc Hogs**  
April 3—Harry Givens, Manhattan.

**AUCTIONEERS AND SALES MANAGERS**

**BERT POWELL**

AUCTIONEER  
LIVESTOCK AND REAL ESTATE  
1631 Plass Ave. Topeka, Kan.

**Jas. T. McCulloch, Auctioneer**

Employs methods based on experience. Reg. livestock farm sales and real estate. I have no other business.  
**CLAY CENTER, KAN.**

**BELGIAN HORSES**

**Registered Belgian Stallion**

Weights ton, nice sorrel, and sires mostly sorrels. Well broke to harness and handles fine as a breeder. None better bred.  
**SAM TITEL, EAZINE, KAN.**



# YOU CAN'T PLOW UNDER THESE FACTS ABOUT TRACTOR POWER



"JIM, how come your tractor can plow nine acres a day? Seven is the best mine can do."

"Getting more work done in a day is only one of the advantages of high compression, Fred. You also get economy, flexibility and convenience."

YOU can talk about tractors till the cows come home, but there's only one argument a plow understands. That's "horsepower." So let's look at some facts about the kind of power you get from high compression tractors:

**High compression tractors deliver MORE power.** That often means you can work more acres per day, finish field jobs faster, catch up on work that has been delayed by weather.

**High compression tractors offer more ECONOMICAL power.** That's because they are designed along automotive principles to get the most out of good gasoline. Remember, an engine designed with high compression for modern gasolines gets more power out of every gallon than is possible with low compression.

**High compression tractors provide more FLEXIBLE power.** Modern gasoline power can be better and more quickly adjusted to the speed and load requirements of the many different types of farm work.

**High compression tractors give more CONVENIENT power.** They warm up easily, aren't likely to stall, pick up heavy loads faster.

To sum it up—high compression gives you more power, more economical power, more flexible power and more convenient power. Isn't that just about everything you want in your next tractor? Then arrange for a demonstration with a dealer who sells modern high compression tractors. That's the way to see how much this better kind of farm power is

worth on your farm, and when placing your order be sure to *specify the high compression gasoline model.*

*Ethyl Gasoline Corporation, Chrysler Bldg., New York, N. Y., manufacturer of anti-knock fluids used by oil companies to improve gasoline.*

**GET MORE HORSEPOWER  
AT LESS COST THROUGH  
HIGH COMPRESSION**