

# KANSAS FARMER

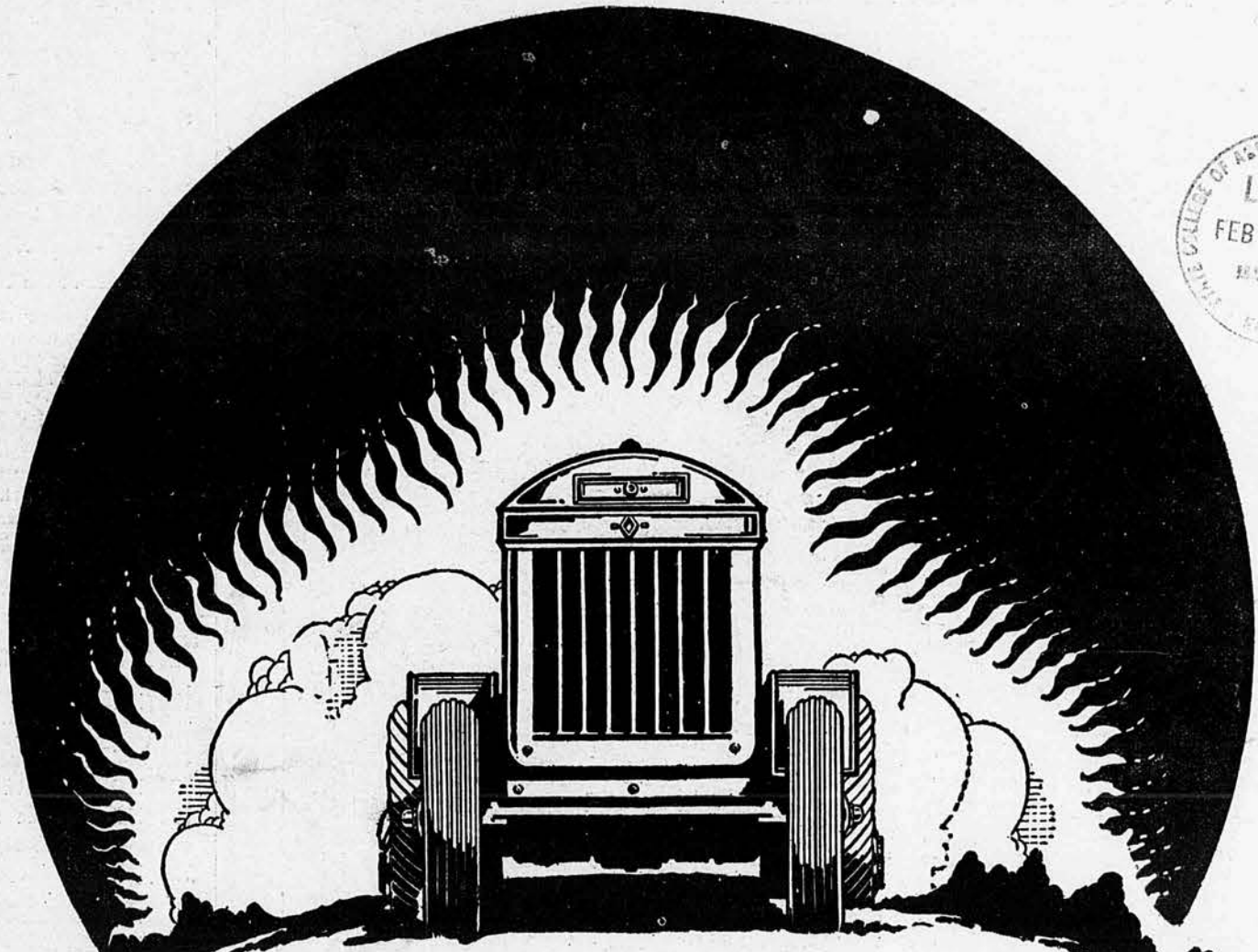
CONTINUING

## MAIL & BREEZE

Volume 74

February 13, 1937

Number 30



## POWER FARMING

### What Is *POWER* Farming?

It is the Power to do the job when it should be done;  
It is the Power that makes men masters in the Seas of  
Grain and not galley slaves;  
It is the Power that makes young men love the soil  
and not despise it for enslaving them;  
It is the Power that frees farm women from the hells  
of harvest.  
More Power to the builders of the tools of Power Farm-  
ing, for they are unleashing the Powers of mankind!

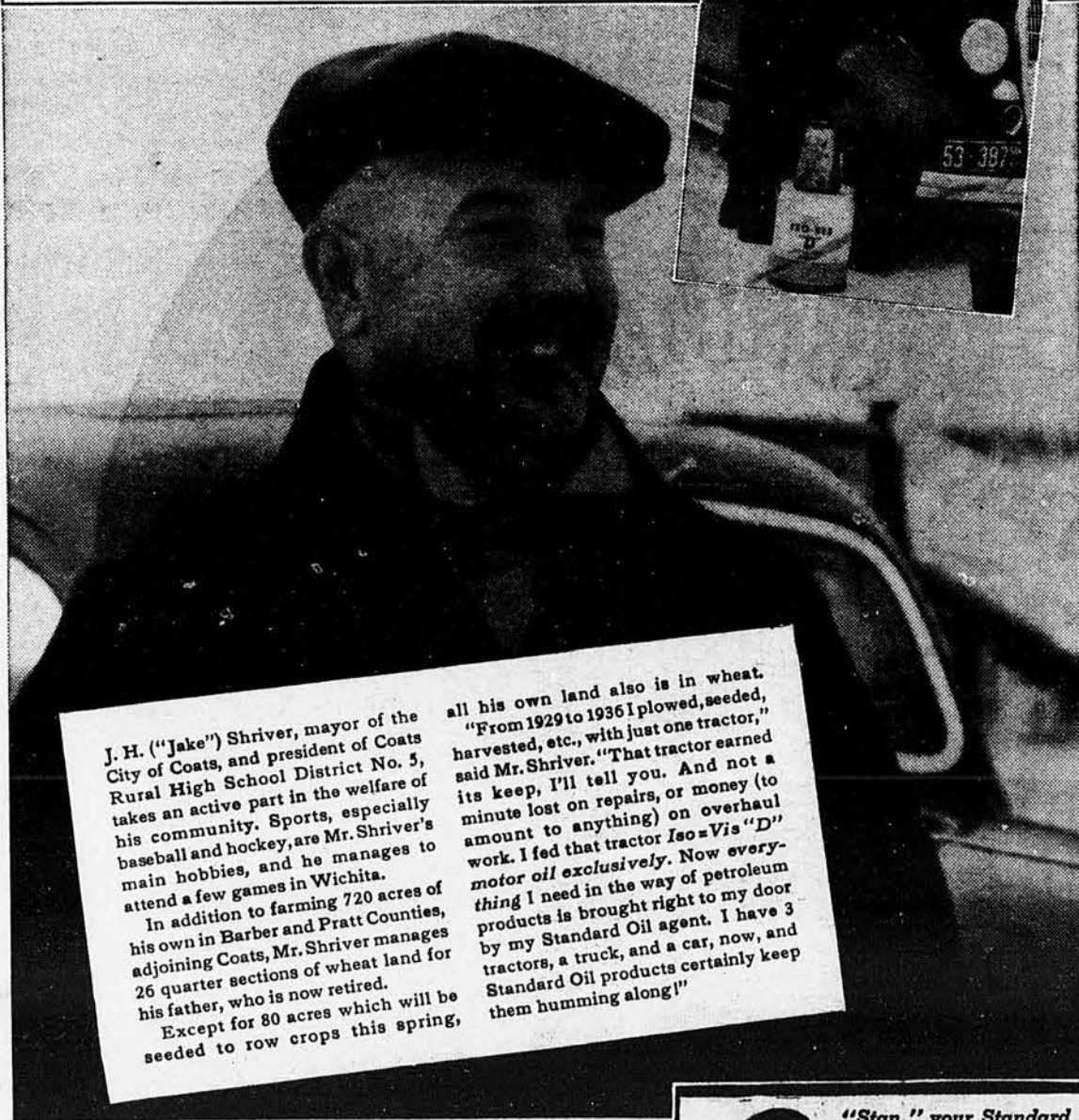
— Charles E. Sweet.

ANNUAL FARM EQUIPMENT ISSUE



# "We farmers can't be wasting our time"

says J. H. Shriver, Coats, Kansas, in an interview with our Farmer Reporter-Cameraman. "And Standard Oil products sure help us to keep going by staving off layoffs and breakdowns."



J. H. ("Jake") Shriver, mayor of the City of Coats, and president of Coats Rural High School District No. 5, takes an active part in the welfare of his community. Sports, especially baseball and hockey, are Mr. Shriver's main hobbies, and he manages to attend a few games in Wichita.

In addition to farming 720 acres of his own in Barber and Pratt Counties, adjoining Coats, Mr. Shriver manages 26 quarter sections of wheat land for his father, who is now retired. Except for 80 acres which will be seeded to row crops this spring,

all his own land also is in wheat. "From 1929 to 1936 I plowed, seeded, harvested, etc., with just one tractor," said Mr. Shriver. "That tractor earned its keep, I'll tell you. And not a minute lost on repairs, or money to amount to anything on overhaul work. I fed that tractor Iso-Vis "D" motor oil exclusively. Now everything I need in the way of petroleum products is brought right to my door by my Standard Oil agent. I have 3 tractors, a truck, and a car, now, and Standard Oil products certainly keep them humming along!"

## Standard Offers You Money-Saving ISO-VIS "D" Motor Oil for Farm Equipment

The finest motor oil a farmer can buy, for tractor, truck or car, is ISO-VIS "D." This tough, long-lasting motor oil flows at low temperatures (10-W flows at 20° below zero), and lubricates perfectly. It prevents excessive carbon and sludge formation—saving costly "layoffs" and expensive repair bills.

POLARINE is another outstanding motor oil, a favorite with farmers for more than 20 years, for use in automobiles, trucks, tractors, lighting plants and other machinery. Your Standard Oil agent will be glad to assist you in demonstrating the superior qualities of Iso-Vis "D" or Polarine on your farm. Compare them with any other motor oils you can buy.

## STANDARD OIL COMPANY

STANDARD OIL IS ABLE TO GIVE YOU MORE FOR YOUR MONEY... AND DOES!



### "Stan," your Standard Oil agent, says:

"One thing farmers always like about Standard Oil is regular delivery service. You can always count on me to come through in all kinds of weather, all times of the year. Give me a chance some time, and see!"

For all farm petroleum requirements—in the field, on the road, in the home—Genuine Standard Oil Products

- |   |  |   |  |   |  |                                |  |  |  |  |   |   |   |  |   |
|---|--|---|--|---|--|--------------------------------|--|--|--|--|---|---|---|--|---|
| <input type="checkbox"/> MOTOR OIL Iso-Vis "D" Polarine Stanolind | <input type="checkbox"/> MOTOR FUEL Standard Red Crown Solite with Ethyl Stanolind | <input type="checkbox"/> TRACTOR FUEL Standard Tractor Fuel Stanolind H. S. Diesel Fuel | <input type="checkbox"/> PERFECTION KEROSENE | <input type="checkbox"/> STANDARD GREASES Pressure Gun Grease Cup Grease Fibre Grease | <input type="checkbox"/> DENDROL DORMANT SPRAY OIL | <input type="checkbox"/> FINOL | <input type="checkbox"/> SUPERLA CREAM SEPARATOR OIL | <input type="checkbox"/> SENDAC LIQUID GLOSS | <input type="checkbox"/> SENDAC FLOR-GLAZE | <input type="checkbox"/> EUREKA HARNES OIL | <input type="checkbox"/> COMPOUND HEATS-FOOT HARNES OIL | <input type="checkbox"/> EUREKA BELT DRESSING | <input type="checkbox"/> MICA AXLE GREASE | <input type="checkbox"/> STANOLIND SNOW WHITE PETROLATUM | <input type="checkbox"/> SUPERLA INSECT SPRAY |
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Check your needs now—be ready when "Stan" drives in

## WIBW Program Schedule

(Daily except Sunday)

February 13, thru February 26, 1937

- 5:00 a. m.—Col. Combs and Ramblers.
- 5:30 a. m.—Ezra and Aunt Faye.
- 5:45 a. m.—Roy Faulkner.
- 6:00 a. m.—News.
- 6:15 a. m.—Edmund Denney.
- 6:30 a. m.—The Lonesome Cowboy.
- 6:45 a. m.—Rupf Hatchery Program (except Saturday).
- 7:00 a. m.—News.
- 7:30 a. m.—Gospel Singers.
- 7:45 a. m.—Unity School—Morning Meditations.
- 8:00 a. m.—Gene and Glenn.
- 8:15 a. m.—Anniversary Ship.
- 8:45 a. m.—Olson News.
- 9:00 a. m.—IGA Program.
- 9:15 a. m.—Ma Perkins (except Saturday).
- 10:30 a. m.—Protective Service.
- 10:40 a. m.—Weather Bureau.
- 11:00 a. m.—Monticello Party Line.
- 11:15 a. m.—Dinner Hour.
- 12:00 noon—H. D. Lee News.
- 12:15 p. m.—Complete Market News Service.
- 2:00 p. m.—News.
- 2:15 p. m.—Jane Baker, the Kansas Home-maker.
- 2:30 p. m.—Harris-Goar's Street Reporter.
- 2:45 p. m.—Community Sing (except Saturday).
- 3:00 p. m.—Kansas Roundup (except Saturday).
- 3:45 p. m.—Organalities (except Saturday).
- 4:00 p. m.—Roy Faulkner (except Saturday-Monday).
- 4:15 p. m.—CMO News.
- 5:30 p. m.—Jane Baker's Stories (except Saturday).
- 5:45 p. m.—Little Orphan Annie (except Saturday).
- 6:00 p. m.—News.
- 6:15 p. m.—Marling Gossip (except Saturday).
- 6:45 p. m.—Kitty Keene, Inc. (except Saturday).
- 9:45 p. m.—Emahizer's Melodies.
- 10:00 p. m.—Joe Nickell—Capital News.
- 11:30 p. m.—United Press News.

### Highlights of the Next Two Weeks

Saturday, February 13, and February 20

- 7:15 a. m.—Marling Rhythm Club.
- 9:15 a. m.—Organalities.
- 9:25 a. m.—Farm Bureau talk.
- 5:25 p. m.—Press Radio News.
- 5:45 p. m.—Saturday Night Swing.
- 6:15 p. m.—Herbert Foote's Ensemble.
- 6:30 p. m.—Sunset Serenade.
- 7:00 p. m.—Columbia Workshop.
- 8:00 p. m.—Kansas Roundup.
- 9:00 p. m.—Lucky Strike Hit Parade.

Sunday, February 14, and February 21

- 8:00 a. m.—Sunday Morning at Aunt Susan's.
- 8:30 a. m.—Big Brother and Jimmie—Capital Funnies.
- 8:55 a. m.—Press Radio News.
- 9:00 a. m.—Church of the Air.
- 9:30 a. m.—Romany Trail.
- 10:00 a. m.—Weather Reports.
- 10:30 a. m.—Major Bowes' Family.
- 11:00 a. m.—First Methodist Church.
- 12:00 noon—Organalities—Jackie McKinney.
- 1:00 p. m.—The Coleman Family.
- 1:30 p. m.—Law Enforcement League.
- 2:00 p. m.—N. Y. Philharmonic Symphony orchestra.
- 4:15 p. m.—News.
- 4:45 p. m.—Karl Willis, songs.
- 5:00 p. m.—Christian Science.
- 5:30 p. m.—Chevrolet Musical Moments.
- 6:00 p. m.—News.
- 6:15 p. m.—Hits and Encores—Sheahan-Degan.
- 6:30 p. m.—Senator Capper.
- 6:45 p. m.—Siesta.
- 7:00 p. m.—Vick's Open House—Nelson Eddy.
- 7:30 p. m.—Eddie Cantor—Texaco Town.
- 8:00 p. m.—Ford Sunday Evening Hour.
- 9:00 p. m.—Gillette Community Sing.
- 10:00 p. m.—Joe Nickell—Capital News.
- 10:15 p. m.—American Legion.
- 10:30 p. m.—Radio Forum.

Monday, February 15, and February 22

- 7:15 a. m.—Page's Funfest.
- 7:00 p. m.—Mosby-Mack Quartet.
- 7:15 p. m.—Hits and Encores—Sheahan-Degan.
- 7:30 p. m.—The Crime Patrol (Also 8:15-10:15).
- 8:30 p. m.—K. P. & L. Musical with Edmund Denney.
- 8:45 p. m.—Marling Rhythm Club.
- 9:00 p. m.—Lady Esther Serenade.
- 9:30 p. m.—Jack and Jill.

Tuesday, February 16, and February 23

- 6:30 p. m.—Alexander Woolcott—Town Crier.
- 7:00 p. m.—Hammerstein's Music Hall.
- 7:30 p. m.—Berkson's Song Styles.
- 7:45 p. m.—Voice of the Bible.
- 8:00 p. m.—Al Pearce's Gang.
- 8:30 p. m.—Jack Oakie's College.
- 9:30 p. m.—Phillips Polly Follies.

Wednesday, February 17, and February 24

- 7:15 a. m.—Page's Funfest.
- 7:00 p. m.—Mosby-Mack's Quartet.
- 7:15 p. m.—Hits and Encores—Sheahan-Degan.
- 7:30 p. m.—Burns and Allen.
- 8:00 p. m.—Nino Martini—Chesterfield Orchestra.
- 8:30 p. m.—Falmolive Beauty Box Theater.
- 9:00 p. m.—Marling Rhythm Club.

Thursday, February 18, and February 25

- 6:30 p. m.—Alexander Woolcott—Town Crier.
- 7:00 p. m.—Mosby-Mack Quartet.
- 7:15 p. m.—Hits and Encores—Sheahan-Degan.
- 7:45 p. m.—Strolling Tom.
- 8:00 p. m.—Major Bowes' Amateur Hour.
- 9:00 p. m.—Marling Rhythm Club.

Friday, February 19, and February 26

- 7:15 a. m.—Page's Funfest.
- 7:00 p. m.—Broadway Varieties.
- 7:30 p. m.—Chesterfield Dance Program—Hal Kemp.
- 8:00 p. m.—Hollywood Hotel.
- 9:00 p. m.—Jordan's News Review.
- 9:30 p. m.—Jack and Jill.



If the weather is mild, there will be thousands of visitors on Tractor Row where many of the big implement companies, under the direction of factory experts, will have their exhibits. Scene above was taken a year ago on the "Row."

## World's Greatest Power Farming Show Gets Ready to Entertain You



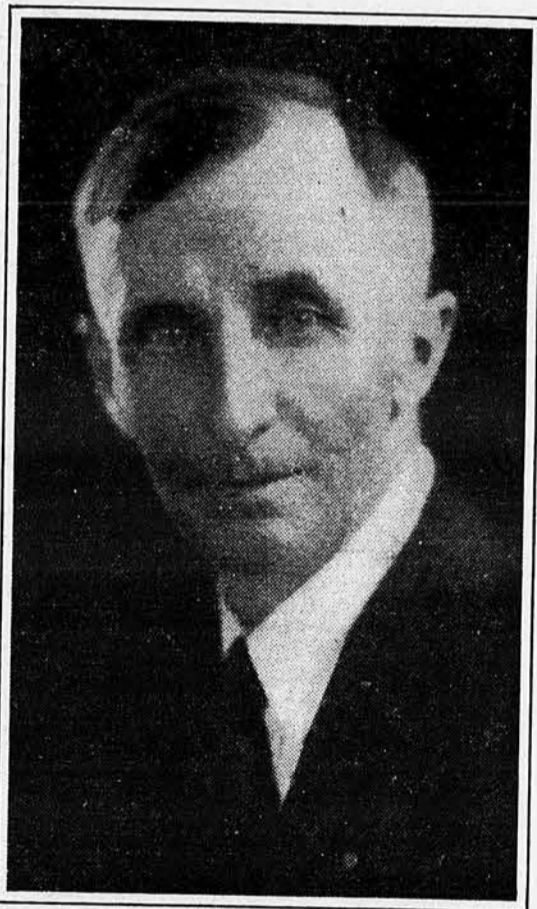
### Countless Improvements, More Speed and Better Results With 1937 Models

THEY'RE getting set in Wichita for the Western Tractor & Power Farming Equipment Show, February 23 to 26! By the middle of next week, Tractor Row and the Forum will be scenes of the busiest activity imaginable. Exhibitors—more than 60 this year—will have their hired men busy with all the preliminary details, such as the erection of booths, moving in heavy equipment, and a thousand and one details that only an exhibitor himself knows about.

By the time you are ready to start for the show, everything will be in place. If the weather is suitable, S. Wichita St., known in machinery circles as Tractor Row, will be full of implements. There will be tractors snorting and puffing, the combines will be in operation, and all that is needed to give an idea of realism will be a big wheat field.

If the weather happens to be unpleasant, the exhibits will be under cover, for the implement houses have ample space inside to put on lively demonstrations. The Forum Building, of course, will house all companies whose permanent location is not on Tractor Row. In addition to the implement companies, there will be displays of road-building equipment, companies, U. S. Government displays, and scores of other varieties.

Without any fuss or fanfare the Wichita Show has become almost national in its importance, and ranks in the eyes of the manufacturers of farm equipment in about the same degree as do the Chicago and the New York Automobile Shows to the motor car industry. Here you will find the new models of the different lines, and here you will find the big executives on hand to see how the prospective customers welcome these new machines. When one analyzes it there are perfectly good reasons why Wichita is accorded the honor of having a power show almost national in character. Within a 300-mile radius of Wichita are more tractors and combines than any other area of similar size in the world. In Kansas alone there are at least 100 tractors and almost half as many combines. Where else in the country are farmers so "power-minded." It might be argued that such a tremendous number of tractors and combines would indicate the saturation—no more room—point had been reached



Fred Weiland, secretary of show.

### By Roy R. Moore

in Kansas, and it would be exercising good judgment to hold the show elsewhere, at a point, say, where the folks were not so "power-minded."

But that isn't the slant the manufacturers are taking. It was only a few years back when people began to worry about what Henry Ford and General Motors were going to do when everybody had cars. It's a matter of history that they went right ahead improving their respective products to such a de-

### Rubber Tires Available for Almost Everything From Combines to Mowers

gree that everybody wanted a new car to replace the old one, and folks who thought too much of their old ones, bought a second car.

Tractor manufacturers are following about the same line of thought. They have made so many improvements, added so many new "doodads" and have made tractors so highly efficient the average farmer will feel like running the old tractor in the fence corner and abandoning it for good. Or if a farmer is being "eaten out of house and home" by a herd of horses, he will trade them for one of the new tractors which has no inclination whatever of eating its head off in rainy or frozen-up weather.

And chief among these improvements is the use of rubber. Prediction is freely made that within the next 5 years all wheel-type tractors will be shod with rubber tires. That means, too, the implements which they pull also will have to have rubber tires. The increased speed that is possible with a tractor of this character, means that vibration, due to jolts and rattle, would take a tremendous toll if these implements were not protected by an air cushion.

(Continued on Page 13)

### Exhibitors at Western Power Show

The list of exhibitors at the Western Power Show this year constitute the largest number ever to exhibit in the Southwest. Included in this list are the names of every nationally known farm equipment manufacturer, road machinery, besides electric supplies companies, and many other affiliated lines. Many of the products of these manufacturers are household words, so highly have they been advertised.

These exhibits are not all found in the Forum, the big exhibition building. There will be scores found on Tractor Row, which is adjacent to the Forum. Anyone eager to see a particular exhibit need only inquire at the information desk.

Timken Roller Bearing Co., Canton, Ohio.  
Northfield Iron Co., Northfield, Minn.  
Home Appliance Co., Wichita, Kan.  
Allis-Chalmers Mfg. Co., Milwaukee, Wis.  
(Continued on Page 33)

# Use Several Flood Control Plans

Passing Comment by T. A. McNeal

CONGRESSMAN Buchanan, of Texas, says that he was washed into Congress by a flood. He started in to be a big farmer down on the Brazos river. He accumulated some 5,000 to 6,000 acres of good bottom land, and spent all of his money in improving the land and building the necessary houses for his helpers. Then a tremendous flood came along, washed away all of his buildings and drowned most of his stock. He decided that he wasn't smart enough to be a farmer but had sense enough to be a pretty fair congressman, so he went into politics.

Incidentally, Congressman Buchanan says that building dikes alone will not control the flood waters; neither will building reservoirs to hold back the flood waters be sufficient to control the raging waters, and neither will stopping soil erosion alone be sufficient. But that it will be necessary to use all of these prevention measures. I believe he is right.

It may seem unnecessary to talk about flood control in Kansas where there has been a drouth. But old residents know that floods have followed long continued drouths in the past, and will in all probability follow this drouth. It is well, therefore, to begin making preparations now. I rather expect a flood next spring. But even if it does not come then it will come later. The creation of reservoirs to hold back flood waters would serve a double purpose. The impounded waters could be used for irrigation purposes or to reinforce the flow of the rivers during the dry season.

## Tractors and Kansas Winds

SPEAKING of tractors," remarked Truthful James, "a friend of mine, Ezra Peters, told me of his experience. Ezra took up homestead and timber claim out in Ford county back in 1878, went to raisin' wheat and accumulatin' land 'til he had four sections. One year durin' the World War, when the Government was yellin' for more wheat, Ezra decided to put the whole blamed four sections in wheat. He bought him a 10-plow tractor that would turn over 30 acres a day when workin' at full speed. When he got ready to start plowin' he discovered that there wasn't a store in Dodge City that had any gasoline and what was more, none of 'em knew when they could get any. There had been a good rain and the ground was in first class condition for plowin'.

"There was Ezra with his 10-plow tractor and no gasoline. It worried Ezra to beat the band. He had taken the tractor out to the place where he intended to commence to plow and there it was, just settin' there and he wasn't able to turn a furrow.

"That night he went to bed about the worst worried man in Western Kansas. Along about 9 o'clock—Ezra always went to bed at 8 o'clock—his wife waked him up and said, 'Ezra, I think maybe we hed better take to the storm cellar. There is a wind arisin' and it may turn into a cyclone. It is one of them pesky winds that blows a while in one direction and then in another, and then whips around in still another. Don't lie there snorin' like a fat hog; git up and git ready to go to the cave.'

"Ezra grunted and grumbled about a man not havin' a chance to sleep in this blamed country, and then it occurred to him that his new tractor and plows were out there in the weather and exposed to the storm. He told his wife to take the kids and get into the storm cellar, that he was goin' out with a wagon sheet and cover up that tractor and the plows. His wife tried to persuade him to let the tractor go and get into the shelter of the cave, but he said that tractor and the plows had cost him

## More or Less Modern Fables

THE owner of a calf, desiring to wean it, encircled its nose with a strap set with sharpened spikes. The calf, wishing to get its accustomed sustenance, made a dash for the mammary of its maternal ancestor, but to its great surprise and chagrin its mother kicked it violently in the midriff when it tried to get its dinner.

As soon as the calf had recovered sufficiently to speak, it asked, with tears in its voice, whether its mother had ceased to love her boy. Whereupon the cow replied: "No my son I have not ceased to love you, but that blamed thing you have on is what I object to."

Moral—Disagreeable habits frequently break friendships.

\$3,000 and he couldn't afford to lose that much money. So he took a big wagon cover and fastened it over the tractor and plows and went back to the cave. He told his wife he never in his whole life had seen a wind just like this one. It didn't seem to be blowin' steady in any direction more than 15 or 20 minutes at a time.

"Well, notwithstanding his worry Ezra went to sleep. He was one of the best sleepers in Western Kansas. He didn't wake up 'til it was broad daylight. The wind was still blowin' to beat the band but there hadn't been any reg'lar cyclone. When Ezra got his clothes on and went out of the cave the most remarkable thing he had ever seen greeted his eyes. He just couldn't understand what had happened. Where there had been prairie sod the night before there was fully 30 acres of beautiful breaking, and when he looked to the north there was that

## Is the Old King Back?

ED BLAIR  
Spring Hill, Kansas

With rain on the ground and then some sleet,

Then snow and more sleet, too;

A good hard freeze, and a northern breeze.

Is Old Man Winter thru?

But Old Man Winter with locks of snow,  
Says, "No! I'm King of long ago!"

"Long, long ago, when the drifts were deep,  
And sleighing was men's delight!

When each post stood with a big, white hood,  
Road culverts out of sight."

Says Old Man Winter, "I've just begun,  
Ease up on the work and have some fun!"

Your grandpas still remember when  
Felt boots were the height of style,

And ear muffs, too, or your ears were blue,  
And they wore them all the while

'Til the March winds charged, at the call  
of spring,

As flowers peeped with the birds awing.

(Copyright, 1937)

blamed tractor headin' in his direction at a good stiff clip drawin' the 10 plows which were turning 10 as beautiful furrows as he had ever seen. "Then," said Ezra, tellin' me the story, 'it dawned on me what hed happened. You see, James, that wagon cover hed loosened up in the rear enough that it made a perfect sail. I hed left the tractor in gear and the plows down ready to start. Just at that time the wind was blowin' from the south and the tractor started north under the pressure of the wind. If the wind hadn't changed, of course by this time it would have been turnin' 10 furrows right thru the middle of Nebraska. But fortunately it was one of them cranky winds. When it had dragged that tractor a couple of miles, the wind suddenly changed and turned west plowin' furrows along the north side of my land fur a couple of miles. Then the wind changed again, blowin' to the south and down my west line it come a tearin' the sod at the rate of nigh onto 5 miles an hour. When the plows hed gone a couple of miles the wind turned again to the east and come back to the place where it started, and there, believe it or not, James, the wind turned north again. And all night long it kep' a shiftin' from one direction to another and draggin' the tractor and plows around. That danged shiftin' wind kep' up for 2 weeks steady, and durin' that time my tractor plowed 420 acres of sod without a pint of gasoline.

"It certainly, James, was the most peculiar wind I ever see, and it did some queer tricks. It was a powerful wind. You hev seen these big gray eagles, James. You know they are about the most powerful flyers outside of the South American Condor. Well, I saw the biggest gray eagle I ever did see, undertake to fly against that wind for an hour at a stretch and at the end of the time he was just 2 feet and 6 inches back of where he started from."

"When Ezra finished his story," continued Truthful James, "I asked him if he could bring some of his neighbors to verify it. He said, 'James, it grieves

me, a deacon in the church in good standin', to say that I can't. You see, all of my neighbors was in their cyclone cellars durin' them eventful days and didn't see the tractor and plows pulled by the wind. They are sinful unbelievers, James. Some of them unconverted sinners even intimidated to me, in language that I could not misunderstand, that I am an old liar. James, I forgive them. If I had not seen what I have told you with my own eyes I wouldn't have believed it myself."

## The Responsibility of Wealth

A WELL-KNOWN newspaper correspondent says that three recent \$50,000 parties given in New York City will do more to increase unrest and Communism than all the soap-box howlers will do in a year. He thinks these expensive parties exasperate and infuriate the agitators. Possibly so, altho I doubt whether these extravagant displays of wealth are any more common or even as common as they were 50 years ago. I recall that perhaps half a century ago some new millionaire gave a party which was said to have cost \$100,000. The feast was given in honor of the pet dogs of the host or hostess and other millionaires also brought their pet dogs.

The fact is there never was a time in my recollection when rich men were considering the responsibility of wealthy men and women as seriously as now. Of course, there was no sense in spending \$50,000 on a coming out party for a debutante. But after all it was not nearly as blatant and vulgar a display of wealth as has occurred thousands of times in the past.

## When Guardianship Terminates

When a person is appointed guardian of a minor in Kansas, at what age of the minor does the guardianship expire—at the age of 18 or 21?—A. B. C.

The parents of children are their natural guardians and when guardians are appointed, other than the parents, they have the same power of control over their wards as the natural guardians, that is the parents. As the control of minors by their parents continues until the minors have reached their majority, that is 21 years old, with certain statutory exceptions, such as the statute which permits a girl in Kansas to marry at 18 without the consent of her parents, to that extent the authority of the guardian also is limited. I would call attention here to the law which permits a minor over the age of 14, if of sound mind, to choose the guardian.

Where a guardian has been selected by will, the term of service of said guardian depends upon the will. The maker of the will may provide that the guardianship shall continue until the minor attains his or her majority, or it may limit the time to expire before that date.

A guardian, except parents, may be removed for cause by the probate court. But unless there is some reason for removing the guardian or some good and sufficient reason why his services no longer are needed, it continues until his ward has reached his or her majority.

## THE KANSAS FARMER

Continuing Mail & Breeze

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# Farm Matters as I See Them

## For Testing Winter Wheat

ONE of the things I hope to see done at this session of Congress is the establishment of a hard winter wheat testing laboratory at the Kansas State College, Manhattan. I believe such a laboratory could be of great value to the entire winter wheat belt. Selected seeds of the varieties of wheat best adapted to soil and climatic conditions in some years mean the difference between a crop and no crop.

The Kansas House members and I are working on the proposition, and hope to get an appropriation of \$15,000 for the laboratory. One was established by the 74th Congress in Ohio for soft wheat. I hope to report progress on this matter within the next month. The Department of Agriculture is favorable to the plan, which should get necessary budgetary approval.

## Recommend 4,500 Farm Ponds

IN THE Public Works planning report of the National Resources Committee, made public a few days ago, there is included a recommendation for construction of 4,500 small farm ponds in the Arkansas Valley in Kansas and Colorado. The estimated cost is \$655,000. I am glad to see official recognition of the value of these ponds. I shall make it my job to see that the recommendation does not remain just a paper proposal.

Of course, there is nothing definitely done in this report toward an appropriation for this purpose. The report of the committee, as a matter of fact, is not a recommendation for appropriations for specific projects at all. The gist of the report is that the Federal and state governments collaborate on a planned public works program for a 6-year period.

The program itself would be flexible, especially from year to year. In years and in regions of prosperity the public works program would be minimized, the idea being to have the major part of it done in years of depression. But when drouth or other conditions caused hard times in a region, then the public works programs would be pushed in that region.

In its report the Committee says:

"Three types of plans seem to be needed: (1) Projects for normal year-to-year construction; (2) projects reserved for minor depressions; (3) projects reserved for major depressions.

"If public works are to be expanded in times of economic depression, it necessarily follows

that they must be curtailed in times of recovery and prosperity.

"Prior to the recent depression the traditional policy of expanding and contracting public works with similar fluctuations in business was followed. When business boomed so did public works; when depressions came public works practically stopped."

I am quoting these paragraphs so it will be understood that the public works planning report does not contemplate merely the construction of projects named in the report, but the timing of construction with the object of stabilizing business conditions.

Also before anything definite is done on this program, some plan of divisions of costs among the federal, state and municipal units of government affected will have to be worked out. In other words, the report is based on long-time planning to promote the general welfare, rather than on the construction of the specific projects mentioned in the report.

## Emergency Loans Ready Soon

I HAVE BEEN very much interested in the 50-million-dollar emergency crop loan bill, which is now law. I was a member of the committee which sponsored the bill. This act places 50 million dollars at the disposal of the Farm Credit Administration to be lent to distressed farmers at 4 per cent interest. The money lent can be used for seed and feed. Outside designated drouth areas — named by the President — the maximum individual loan will be \$400. In the designated drouth areas, Governor W. I. Myers of FCA can determine the maximum loans to be made. These loans will be available in a very short time now. And they are needed thruout the drouth area, as all of us know.

It might be interesting to note that from 1921 to 1936, inclusive, the Federal Government has made 2,761,525 emergency crop and feed loans, amounting to \$306,066,000, of which \$201,576,865 have been repaid.

In addition, the Federal Government made 300,614 drouth relief loans in 1934-35, amounting to \$72,008,540, of which \$11,611,478 have been repaid.

Kansas emergency crop and feed loans during the 16-year period totaled 58,966 loans for

\$10,212,902, of which approximately one-third have been repaid. Kansas farmers to the number of 16,412 borrowed \$3,382,690 of drouth relief funds in 1934-35, of which some three-quarter million dollars were repaid.

Our drouth states' Committee of 25, of which I am a member, is working for a more liberal allowance for drouth-stricken farmers from now until crops can be harvested next fall. Some provision is going to have to be made soon for additional funds, because the 790 million dollars appropriated this week by Congress for relief is going to be drawn upon heavily for flood sufferers in the Ohio and the Mississippi Valleys. I intend to use my best efforts to see that this matter is taken care of promptly, and will appreciate information from Kansas as to the needs in this direction.

I am strongly hopeful that we will be able to prevent ratification of the Argentine Sanitary Convention in the Senate. This convention would lower the bars to importation of live cattle and the fresh beef and mutton from the Argentine, against which a complete quarantine because of foot and mouth disease now is in effect.

I am not so hopeful of insuring better protection for agriculture in the extension of the reciprocal trade agreements act for another 3 years. Western farmers have not been getting an even break in these trade pacts. We members of Congress from the Northern Farm Belt are doing all we can to require ratification by the Senate before these agreements go into effect; to protect the interests of farmers and livestock men, but it looks as if the administration majorities in the two branches of Congress will be too much for us.

I am working hard for a 3 per cent interest rate on Federal Land Bank mortgages, with some hopes of success. I say that agriculture is entitled to adequate financing at the lowest possible rate of interest.

*Arthur Capper*

Washington, D. C.

# Kansas a Leader in Nation's Livestock

## Trend of the Markets

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

	Week Age	Month Age	Year Age
Steers, Fed.....	\$12.00	\$12.00	\$ 9.35
Hogs .....	10.20	10.25	10.30
Lambs .....	10.35	10.25	10.25
Hens, Heavy.....	.14	.15½	.18
Eggs, Firsts.....	.20	.20	.28
Butterfat.....	.31	.32	.33
Wheat, Hard Winter..	1.36	1.44½	1.08
Corn, Yellow.....	1.21½	1.21½	.67½
Oats .....	.58	.59½	.30½
Barley .....	.95	.96	.50
Alfalfa, Baled.....	26.00	22.00	14.00
Prairie .....	16.00	16.00	7.00

HERE are some figures which show the magnitude of the livestock industry in Kansas. They are issued by the Kansas City Stock Yards for 1936. Our state led, by more than 400 per cent, in number of cattle and calves shipped to the nation's largest stocker and feeder market, and second largest market of both stocker and slaughter cattle. Kansas sent 994,859 head; Missouri, 274,489; Texas, 178,176; Oklahoma, 136,698; and Nebraska, 52,976 head. Kansas was second in sheep shipments with 290,655 head; Colorado leading with 335,583. A total of 14,766 head of horses and mules marketed thru Kansas City put Kansas way out ahead of its nearest

rival, Missouri, which sent 7,424 head of work stock.

As a purchaser of stocker and feeder cattle, Kansas was fourth in number brought back west for feeding and pasturing, even in the dry year of 1936. Illinois led with 134,099 head of stockers and feeders, Missouri was second, Iowa next, and Kansas brought 80,610 head at the world's largest market. Kansas bought more than 17 per cent of the stocker cattle at the stock yards to which it was heaviest contributor.

## Cattle Profit in Sight

Despite recent cattle price recessions there is still profit in sight. Good to medium cattle—the principal kind in Kansas this winter—are in a strong position because they didn't advance so strongly in December and January as choice cattle. "The market this spring indicates it may be moving to a cyclical peak somewhere from March to August," observes Vance Rucker, extension marketing specialist. Usually this peak comes later, in September or October. December receipts were of record size, so perhaps large numbers of cattle already have been sold that normally are turned in February, March or April. Another factor which indicates a spring or early summer peak this year, is the report of the Bureau of Agricultural Economics based on farmers' replies, which indicates a larger than usual proportion

of the cattle now on feed are intended for market after May 1.

The poultry business certainly has had tough sledding this winter. It is difficult to see any profit in flocks which are laying 50 per cent or less, and in all probability this range will catch most flocks. There may be a few in which the hens are laying 70 or 75 per cent of their number in eggs every day, and these ought to be showing some profit, altho not enough for that extraordinary performance. With farm egg prices at 20 cents and less, there would not be unusual profit even if farmers had raised normal feed crops. Having to buy feed has erased much chance of profit.

## Better Chance This Year

But better times are ahead. A good way to make money in the poultry and egg business in 1937 is to start off with healthy chicks. Take good care of them and grow them out well. The feed crops raised this year will carry the chickens from July until fall, and keep the pullets while they are beating 50 per cent next fall and winter.

Wool prices will be well maintained during the next few months under the influence of strong demand and relatively small wool supplies, the Bureau of Agricultural Economics reports. One of the new factors in wool trade is use of wool in uniforms for armies of several foreign countries.

## Market Barometer

Cattle—Higher prices for most grades and classes.

Hogs—Only higher prices seem probable.

Sheep and Lambs—More money ahead if buying by consumers is normal.

Wheat—Steady to higher.

Corn—Steady prices with come-back of livestock values.

Butterfat—Some reduction in supply with higher butter prices.

Poultry and Eggs—Poultry looks to be headed upward, with eggs due to fall.

## Premium for Early Lambs

The honor of bringing the first native spring lambs of this season to the Kansas City market went to M. B. Star, Eudora, whose first arrivals came on January 25. This is early for native lambs, but they are at a premium now as the price of \$11 a hundred pounds, which Mr. Star received, would indicate.

It takes 1,800 million eggs to hatch out 1,100 million chicks, according to Department of Agriculture figures. This means we have a loss of around 14 million dollars in hatchability.



Here's how Tractor Row looked at Wichita two decades ago—see picture on left—when the implement manufacturers began to dabble in power farming machinery. These old models in their bright paint must have been just as attractive to show visitors in the old days as the new ones today. But what a difference in performance!

## How the Power Show Got Its Start

*As told to an Old Timer*

ACCORDING to Fred S. Wieland, manager of the Wichita Tractor Show, February 23 to 26, there was a time, not so many years back either, when the biggest argument in implement circles was whether or not "the tractor was here to stay."

The argument was not confined to implement men alone, for it was a hot subject of discourse among farmers themselves. When some hearty soul got up enough nerve to buy one of the new-fangled things, it always started a big argument in the neighborhood as to whether the tractor ever would displace the horse. Judging from the way the original tractor performed, about everybody was unanimous in the conclusion that Old Dobbin was in no danger.

Fred Wieland, today, probably knows more about the changes in farm machinery than any other living Kansan. He has been directing the shows for almost 35 years in Wichita, which of course, were not tractor shows in the beginning, simply because there were no tractors. The other day he grew reminiscent and went into history. "Our show started about 35 years ago when there were no gas tractors in existence," he said. "Machinery sold in those days was mostly horse-drawn, not counting the steam engines and threshing machines.

"That was before the days of self-feeders, wagon grain loaders, and grain weighers. Later came the wind stacker, which certainly was a boon to the boys who had been compelled to stand on a straw stack and take the dust and chaff from an ordinary carrier.

"But I really am getting ahead of my story. These first shows merely were threshermen's conventions, and were held with the object of bettering their

respective financial conditions. Price-cutting was the big menace at that time and the prime reason for the gathering was to see whether this phase could be eliminated. In those days a thresherman was not considered much of a business man, and too many of them would take business at any price, feeling that this was the only way to get ahead in the world. Threshing seasons were short and a

held on the ground on which the Forum now stands. After the Municipal Building was built, Tractor Row—South Wichita street—was used to exhibit more extensively. In the early days a great deal of what is now Tractor Row was river bed. A few years later this was built up and used for exhibit space for the out-of-town exhibitors.

"In the early days the first name of this organization was The Thresher's Club of Wichita. Later on when the gas tractors came into use it was changed to The Wichita Thresher & Tractor Club. The first machinery was shown at the Threshermen's Convention. About 10 years ago it was decided to call the show the Western Tractor and Power Farm Equipment Show as we were leaving the horse and buggy days.

"When it was definitely established that the tractor was a permanent fixture in agriculture, and the manufacturers were convinced that their products would perform with a reasonable degree of certainty, there was a big era of tractor demonstrations. Every community had one. That was a period when farmers had to be sold on tractor performance, and nothing better could be devised to sell a man than to put a tractor to work right in his own neighborhood.

"In a comparatively short time tractor demonstrations faded out of the picture, simply because it had definitely been proved that the machines would do the work, and skepticism had largely vanished. Renewed interest in our show became evident, and the last few years we have been growing figuratively by leaps and bounds.

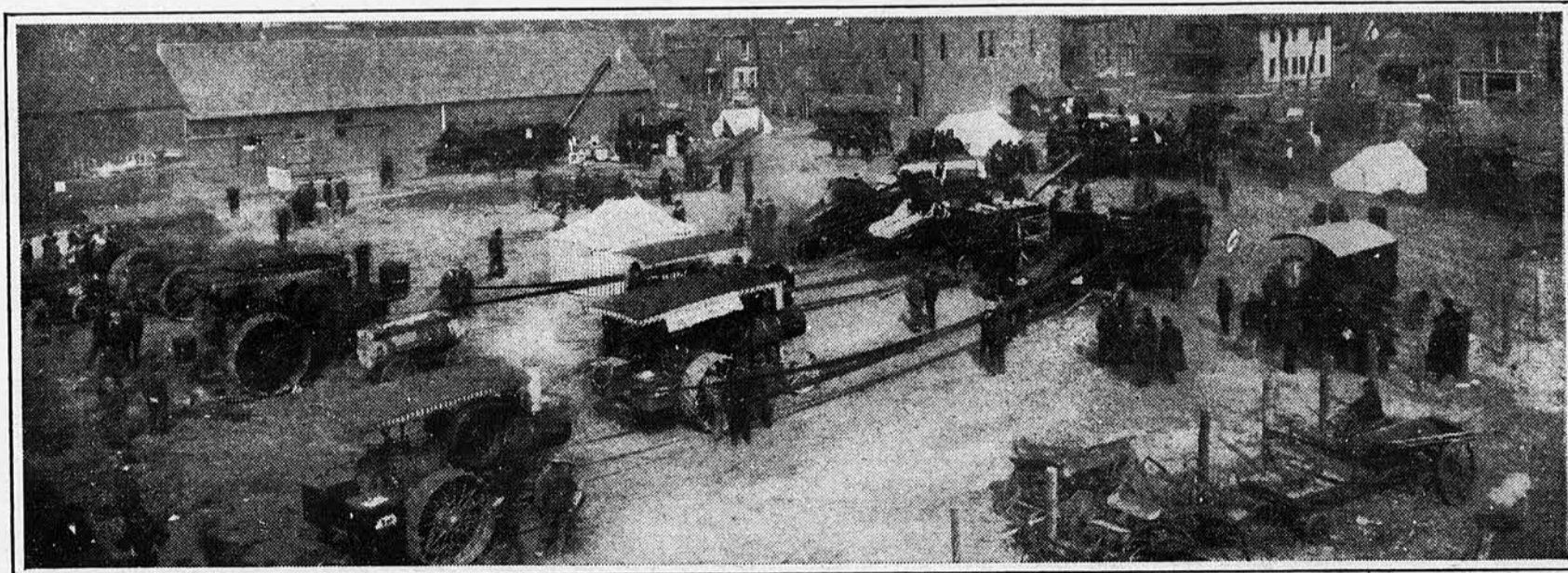
"Today everyone is sold on tractors as a general principle. Exhibitors now only vie with one another in adding improvements. There's no question, any more, about what a tractor will do or will not do."



Twenty years ago, tractors boasted "Canopies." Scene on Tractor Row at Wichita.

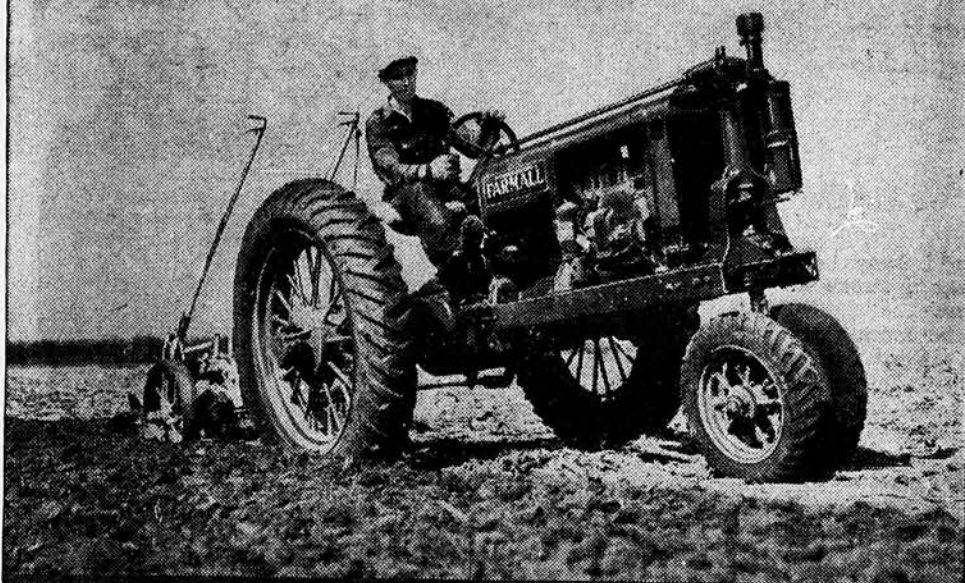
thresherman would have a chance to operate only about 2 months out of the year and in a good many instances the actual operating days would be reduced considerably by rainy weather.

"During these conventions, which usually were held in the spring of the year, sometimes in January, February, March or April, according to dates set by the threshermen's organization, the manufacturers, jobbers and distributors would place their machinery on exhibit at Wichita during the dates of their convention. In early days the exhibits were



One of the first Power Shows almost 30 years ago. On the site of the present Forum, which houses part of the Western Power Show, threshing machine manufacturers used to exhibit. Whistles and toots were integral parts of the exhibits.

Below: The Farmall 12 at work with 2-farrow Little Genius plow.

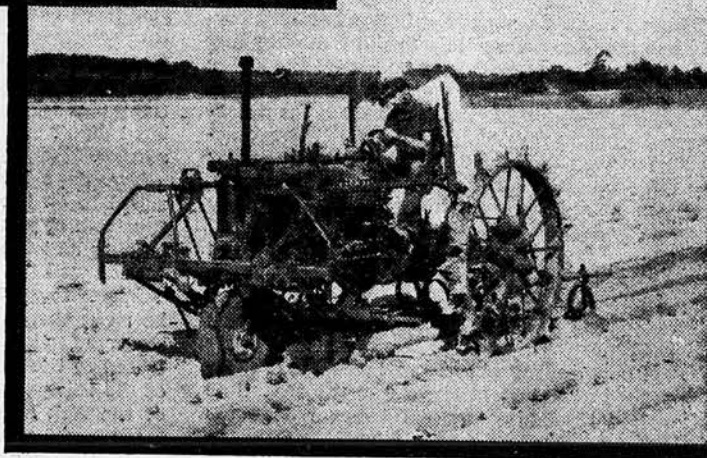


Above: The biggest Farmall — Model F-30—supplies efficient all-purpose power for the larger farm.

Below: Farmall 12 and Quick-Attachable cultivator in a field of young cotton.

# 23 Reasons why THE McCORMICK-DEERING FARMALL 12 is by far the Best Buy

1. It is an economical tractor to operate.
2. It permits the operator to select the fuel most readily available. Can be equipped to use gasoline, kerosene, or No. 1 distillate.
3. No other tractor in its price or weight class has such a complete line of machines built expressly for use with it.
4. The F-12 has the "Quickest-Attachable" machines on the market.
5. The McCormick-Deering F-12 is fitted with rawhide oil seals that seal the oil in and the dirt out.
6. It has replaceable cylinder sleeves—a feature pioneered by International Harvester.
7. The F-12 crankshaft is hardened by the new Tocco electrical hardening process, with file-hard bearing surfaces and other portions as tough and ductile as ever.
8. High-grade ball bearings are used throughout the transmission and final drive. There are 29 ball and roller bearings in the F-12.
9. A wide variation of treads is available, 44½ in. to 79 in., with special rear axles available at slight extra cost to extend tread to 93 in.
10. The F-12 is regularly sold equipped for general farm work. An unusually wide variety of special equipment is available.
11. Power take-off is regular equipment. No general-purpose tractor is complete without power take-off.
12. Automatic steering brakes (patented) enable the operator to pivot the F-12 on either wheel, 7-ft. radius.
13. Convenient belt pulley. Amply large to hold a belt at normal tension.
14. The F-12 cooling fan is belt-driven, a feature recognized by the entire automotive industry as most efficient.
15. The F-12 delivers 70 per cent of its engine power to the drawbar.
16. Highest grades of nickel-chromium alloy steel used in its gears.
17. A variable speed governor permits full-open throttle operation at any selected engine speed between 900 and 1400 R. P. M.
18. An unusually accessible engine, with all parts easily replaceable.
19. When desired, special transmissions can be supplied to give higher second and third speeds in rubber-tired tractors.
20. A Quick-Shift cultivator feature that is exclusively McCormick-Deering. It is found only in the F-12 and its big brothers, the F-20 and F-30.
21. A multi-cylinder valve-in-head engine, traditional with International Harvester. Recognized for its efficiency by automotive engineers.
22. Six thousand dealers and 86 factory branches are ready to render complete repairs service for the F-12. No other tractor is so well protected.
23. Farmall is built by the world's largest tractor builder, with more than 30 years of farm power experience.



● When you go out to buy your new tractor, convince yourself that your choice gives you every advantage that is to be had. We will gladly give you complete information on any of the twelve wheel and crawler tractors in the McCormick-Deering line. All McCormick-Deering tractors can be bought on the EASY-PURCHASE PLAN.

The Farmall 12 and McCormick-Deering Quick-Attachable Machines will be exhibited and demonstrated at the *Western Power Show*, Wichita, February 23 to 26. Check the famous Farmall features for yourself while you are at the Show.

**INTERNATIONAL HARVESTER COMPANY**  
606 So. Michigan Ave. (INCORPORATED) Chicago, Illinois

# McCORMICK-DEERING

# That First Tractor of Mine

It Kept Two Horses Busy Going for Repairs, Boiled Away Most of the Water Hauled Onto the Farm, and Cranking It Became a Combination of Steeple-Climbing and Learning to Fly

By Frank A. Meckel

## It's a True Story

Frank A. Meckel, author of the accompanying article and for the last several years agricultural engineer for the Capper Publications, cut his eye teeth, so to speak, on one of the first tractors manufactured. It goes without saying that this same company which manufactured Mr. Meckel's machine, still is making tractors and such good ones—well it leads the industry today in total number sold. Frank Meckel's own personal experience with this first tractor—and every word of it true—is well worth your reading.—The Editors.

I AM NOT a particularly old man as years go. But when I visit the big Tractor Show at Wichita and draw a few mental comparisons between present-day tractors and the machines with which I started on a farming enterprise 20 years ago, I am torn between two feelings. Either I am older than I think I am, or the tractor industry certainly has made some rapid strides in a mighty few years. Personal pride forces me to accept the latter premise.

Just 20 years ago this month I finished the necessary requirements for a degree in a Middlewest agricultural college and embarked on a farming career which I figured was going to revolutionize the world. If I may be considered a small part of the world, my enterprise was in a small measure quite successful, because I, personally, was revolutionized. The world at large went on pretty much as if I never had been any part or parcel of it. I believe that even today I am the possessor of several extra eye-teeth which I cut about then.

A great many of my readers will recall that there was a fracas going on in Europe about that time which we now refer to as the World War. Wheat was quoted at something like \$2 a bushel in Chicago, and a young and unsophisticated agricultural college graduate very easily could sit down with a pencil and very little paper and figure himself into the higher income brackets in one evening's time. It was a Natural—a cinch in other words.

All that was needed was some cheap land, a string of tools and a pleasant look from Mother Nature, along with some sort of local bank in which to deposit the cash profits.

So I hied myself out into the open spaces where land could be had for little money. At least it seemed like very little to me at the time, inasmuch as it was not my own money but that of another enthusiast of the times who also wished to get in on the easy pickings.

We bought a piece of land in South-eastern Montana on which some enterprising soul had erected a two-room shack, a log chicken house and a lean-to shed which he laughingly referred to as a barn.

The next thing in order was equipment. The local dealers took one look at me and began quoting prices which even I knew were just a wee bit out of line. The town which was to be my future post office address was on an Indian reservation and local dealers always quoted two prices; a correct price for the sophisticated white folks and the same price with an extra cipher added for the Indians, who got their money from the Government. While my color was in my favor, still my length of residence was against me, so they all quoted me the Indian prices.

I am now firmly convinced that if my finances had been such that I could have weathered that first storm, I would have made my purchases locally. But as so often is the case, my shortage of cash was a blessing in disguise. So I took myself to Billings where there was a greater number of dealers and

fewer Indians and I always have thought this was a stroke of genius on my part.

In Billings, after much sharp bargaining and a great deal of searching, I became the rather proud owner of the necessary tools of production. I bought a double-disk harrow, a grain drill, a 2-bottom tractor plow, a cultipacker and last and almost least, a farm tractor of that day and age. My kind-hearted and well-wishing dealer friend agreed to load this equipment into a box car and ship it to me the next day along with a machinery "expert" who was to unload it, set it all up and deliver it to me on the farm and see that everything was properly adjusted and in working order.

Since I had not as yet made any provisions for hauling some of the other necessities of life out to the place, I hurried back and spent the next day buying, and getting gloriously swindled on, a team of mares and a fine new wagon. The wagon was O. K. and I offer no complaint on that score, but the team was something else again. One of the mares was badly locoed, but I didn't discover that until later and then to my sorrow.

Two days later my equipment and the "expert" rolled in on the local freight and with all the enthusiasm of youth, I pitched in to help with the unloading and the setting up of the machinery. It is just as well that I did because had I waited for the "expert" to get it set up, I am sure that I would still be right there on that spot waiting. As it was, he managed to get most of the disk-harrow parts firmly bolted to the grain drill frame, and he fastened all of the cultipacker super-structure to the two gangs of the disk and got those hind end foremost. But after two days of hard work and plenty of figuring and ten badly skinned knuckles, I was ready to start off on the 14-mile trek to the ranch.

I drove the team with the load of household goods and supplies and my "expert" came along with the



When the power farming bug bit its victim 20 years ago, all that was needed was pencil and paper to prove you soon would be a millionaire.

WE FURNISH A DOCTOR WITH EVERY TRACTOR WE SELL!



The manufacturer should have supplied a doctor with every tractor sold—but didn't.

tractor and the tools, all strung out some 75 feet behind. The tractor ran out of fuel about half way out, but as I had gone on ahead I knew nothing of this and I sat up and waited all night for my man. He meanwhile spent the night scouring the countryside trying to find where I had gone and when I found him next morning he was a badly used-up "expert." He didn't know what was wrong with the tractor. It just had stopped and that was all there was to it. However, 20 gallons of kerosene soon remedied that and by afternoon he had negotiated the other 7 miles, and having made his delivery he kneeled over on my cot and that was the last I heard of him that day except for his gentle snoring. However, his services already had left so much to be desired that I started out on my own hook and the following morning, when I finally succeeded in arousing him, he was so pleased to see how well I had managed without him that he assured me there wasn't a thing he could show me, and he left to return no more.

My tractor was a work of art to say the very least. It consisted of a set of four wheels and a frame on which some engineer had mounted a one-cylinder stationary kerosene engine equipped with a weird sort of planetary transmission on one side and a huge flywheel on the other. The rear wheels were driven by means of a heavy drive-chain which ran from the transmission to the right rear wheel. The chain was kept dripping with oil which ran thru a piece of gas pipe from the bottom of engine crankcase. No doubt the engineer who designed this monstrosity figured that a chain required oiling, but he apparently had done his figuring without considering what happened when the tractor worked in dirt and grit.

My first chain lasted just 2 weeks. It let go one afternoon as I was coming up a steep hill and had I not been leaning over toward the other side at the time I must certainly have been brained, because the end of that steel whip whizzed past my right ear as it was. After that, the drain pipe which oiled the chain came off and we operated the chain on a dry basis. A bit noisy and squeaky, but a chain lasted for several months that way nevertheless.

I reported my findings to the manufacturers who wrote and thanked me and said they would order their fieldmen and "experts" to remove the drain pipes from all such models now in operation. So I felt that I had made a most auspicious start in contributing something to the field of scientific research, altho it had come close to costing me my life. But, heigh-ho—what is one small life where science is concerned.

Cranking this tractor was in no measure a simple form of setting-up exercise. The cylinder was about a 10-inch bore and the piston had at least a 16-inch stroke. I can't swear to the

(Continued on Page 22)



# YOU ARE CORDIALLY INVITED

To Visit the John Deere  
Wichita Show Exhibit

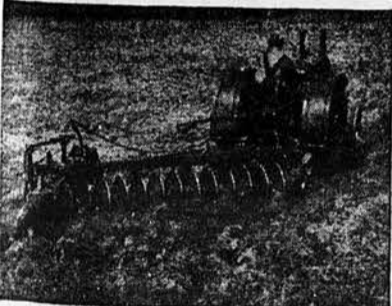


## See The Tractors That Give You The Plus Value Of

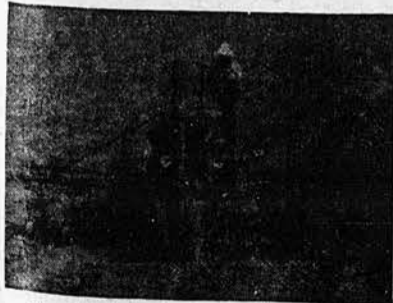
**7 Quarts to a Gallon!**



Here's the John Deere Model "D" pulling a 3-bottom Tractor Plow—the ideal plowing outfit for the larger-sized farms.



The John Deere Disk Tiller is a big-capacity, long-lived tool that does excellent work. There's a size for every job.



Work output goes up, and costs go down, when you use a Model "A" Tractor and 4-row cultivator. Model "B" handles two rows.



100 years ago, John Deere gave to the world the steel plow. From that humble beginning has grown the great John Deere organization which this year celebrates the hundredth anniversary of that event.

Make it a point to spend some time with us at the Wichita Show, February 23 to 26. A complete line of John Deere time-saving, cost-cutting farm equipment will be on display at the Western Implement Company, 439 South Wichita Street.

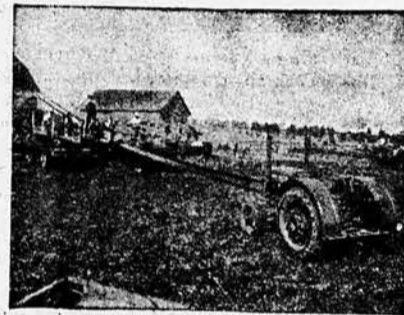
Look over the John Deere general purpose and standard tread tractors—the tractors that give you "seven quarts to the gallon" by burning the low-cost fuels successfully—the tractors that pay for themselves by s-t-r-e-t-c-h-i-n-g your fuel dollars and making them go farther.

Find out how John Deere Combines will put more money in your pocket by doing a better job of cutting, saving, and cleaning your grain. They are available in 6-foot to 16-foot sizes, a size and type for your farm and your power.

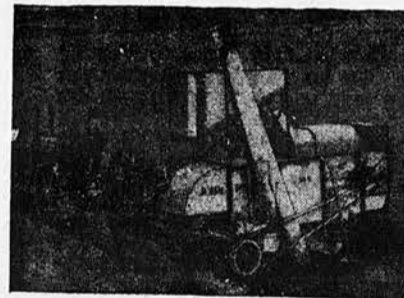
New plows, disk tillers, disk harrows, listers, hay tools, grain drills, planters, binders, threshers, corn pickers and many other tools will be on display. The new John Deere Damming Lister is also of particular interest.

So, plan to visit our exhibit. A cordial welcome awaits you and your time will be enjoyably and profitably spent while with us. You will learn of new and better ways to farm, new ways to save money. You will see new machines designed to cut your costs, and find out about better methods to increase your crop yields.

If, for any reason, you can't come, we will be glad to send you complete information on the machinery in which you are interested. A letter or card will bring you a prompt reply.



Own a John Deere threshing outfit this year. Enjoy smoother threshing, better separation, lower costs.



A John Deere No. 6 Combine and Model "A" Tractor cut costs, and save time, labor, and grain.



With a John Deere Model "A" or "B" Tractor and Power Mower you can mow 25 to 35 acres a day.

**John Deere Plow Co.**  
KANSAS CITY, MO.

# How a U. S. Farmer Sees Things On the Other Side of the Ocean

ROBERT C. VANCE

Government Farm, Air Raid and Lady Professor—Article No. 9, in the travel series by Mr. Vance.

I WAS told there are three classes of farms in Soviet Russia. It seems there is an occasional old-fashioned family working on its own plot of ground, in which case the soil is tickled into productivity by an ox or a lean horse hitched to a plow. The real farming is done on the Government farms and on the Collective farms.

On the Collective farms any number of families—25 to 300—group themselves together to cultivate large tracts of land. After having paid expenses, they share the profits of their work. This story deals with a Government farm. However, the story of Collective Farming will be told in a later issue.

Our party, consisting of a New York doctor, his wife, a lady professor from a large Eastern university and myself, was driven some 20 kilometers out into the country from Leningrad to visit a Government farm. A soldier with a bayoneted rifle halted our car at the gate. We were held there until the proper official could be found to examine our guide's pass. When her credentials had been approved, we were driven to the headquarters building and introduced to the Agricultural Engineer who had charge of the farm.

The Agricultural Engineer—abbreviated to Mr. A. E. from now on—spoke some English. Assisted by the girl guide, he devoted a half hour to explaining the setup of a Government farm before taking us on a tour of inspection.

## Also Serves as a College

There were 10,000 acres in this farm. According to Mr. A. E., the farm serves a double purpose. In addition to supplying milk, meat and vegetables for the city of Leningrad, it also serves as an Agricultural College for the Collective farms of the district. Also, all the calves raised there are saved for breeding stock and distributed among the Collective farms.

All the Government farms in the district are under the management of the Food Commissars of Leningrad. They assess an annual quota of food against each farm and the Agricultural Engineer in charge is held responsible for its production. The Agricultural Engineer hires foremen for each department and tells them that they must produce so many tons of meat, milk or vegetables during the coming year, and they in turn pass the buck down to the laborers. Thus each "dairy maid" in charge of 12 cows knows a year in advance just how much milk her string of cows must produce.

"Just what happens when your production falls below the assessed quota?" I asked. "How about unfavorable seasons?"

"Unfavorable seasons belong to the past," Mr. A. E. answered me. "With our scientific methods of farming we have no unfavorable seasons." There were a couple of sniffs from the New York doctor and his wife, and the Lady Professor remarked that if American farmers would go in more for science and less for politics they would be better off. I tried to point out that there were 850 people employed on 10,000 acres, or about one person for each 12 acres, and that the average American farmer would have plenty of time for politics if he tended only 12 acres.

## Government Pays the Wages

Farm laborers on Government farms are paid wages by the government. The wage scale is set by the Union of Agricultural Workers but must be approved by the Soviet in Leningrad. The wages paid on this farm were: Agricultural Engineer, 700 rubles; foremen, 400 rubles; and common labor, 200 to 300 rubles. In addition each worker was allowed a small plot of ground on which to raise vegetables; and if the milk production exceeded the assessed quota, they were allowed a certain percentage for their own use.

If one figures the ruble at the rate of exchange charged tourists, four to the dollar, the wages were quite high.

In actual purchasing power, however, they are very low. The cheapest pair of canvas shoes, with the soles attached with glue, costs 15 rubles. But possibly shoes should not enter into this picture of a Government farm, for, with the exception of Mr. A. E. and the soldiers who were toting rifles all over the place, no one was wearing shoes.

After the lecture we were taken on a tour of inspection. The land was level, fertile and fairly well tilled. One field of tomatoes of about 50 acres was mulched with building paper. I managed to get farther into Mr. A. E.'s bad graces by remarking that I had seen paper used as a mulch before. He seemed to consider it original.

## Russian Cows Are Different

A force of women laborers were picking tomatoes. They carried the fruit out of the field in baskets balanced on their heads, thru a shady grove and to a point in an open field. There some other women squatted in the hot sun, packing tomatoes into crates for transport into the city. From the farther sides of the field the carry was all of a half mile. I wondered why, in the midst of all this boasted efficiency, someone had not thought of placing sorting tables under the trees.

After inspecting the fields we were taken to the dairy barns. Before entering the first building we were ordered to disinfect our feet in a box of chemicals at the door. This, Mr. A. E. informed us, was the hospital for "expectant" cows. He explained that all expectant cows are housed in this building for 3 months before their hour comes. I could tell from the expression on the Lady Professor's face that she was thinking of the millions of poor American cows that are denied the benefits of a maternity hospital.

The 300 cows that are kept on this farm are stabled the year 'round and never turned out to pasture. The dairy barns are staffed by women, and each dairy maid has a unit of 12 cows to feed, care for and milk. On the wall of one barn was a large blackboard showing the average daily production of each cow. The cows were a rather scrubby looking lot, yet their average daily production figured out 5.4 gallons of milk. To me it was quite evident that, instead of being a record of production, the blackboard was part of the propaganda being dished out to gullible tourists.

"You expect me to believe those figures?" I asked Mr. A. E.



The agricultural engineer gives his lecture on scientific farming. "Unfavorable seasons belong to the past."



Dairy maids on the government farm. Only the engineer and the soldiers wore shoes.

"And why not?" he demanded. "Are you an Agricultural Engineer?"

I told him that I was not an Agricultural Engineer but that I knew enough about cows to know that they had to have milk veins and udders to produce 5.4 gallons of milk daily.

"American cows may," he answered, "but you do not understand our Russian cows."

## Women Used Picks and Shovels

While this was only my sixth day in Russia, I already had begun to form the opinion that our guide-conducted tours were only showing us the bright spots, also that the government tourist agency was one of the world's most perfect propaganda machines. When our party was checked out of the gate of the Government farm, both the doctor and his wife expressed the opinion that the Communists were on the right track when they took over the country's farms.

As for the Lady Professor, she was all broken out with a violent Red rash. "Capitalism has broken down," she told us. "Communism is the only salvation for the world today."

We chanced at that moment to be passing an open sewer where a group of women laborers were swinging picks and shovels. When I suggested to the Lady Professor that she stop and get herself measured for a shovel, against the time when the United States should go Communist, she went into a frozen silence and stopped speaking to me.

Curiously enough, it always is in some other fellow's line of endeavor where Communism seems to be at its best. Because farming is my line, I was probably supercritical during my visit to the Government farm. Yet, so was the building contractor from Australia with whom, next day, I made a tour of the new buildings and paid a visit to the Building Center, where materials used in construction were on display.

We were driven past a dozen or more apartment houses and model flats that were "under construction." It was the Australian's quick eye that noticed that there was no one working on any of the buildings. "What are those places, tourist bait?" he demanded. "That scaffolding has been standing there a year or more. Why is there no one working on these buildings?"

Our guide then offered the explanation that, while the third 5-Year Plan was to be devoted to providing housing for the workers, the country had become so ringed about with enemies that all workers in the building trades had been ordered into the munitions factories.

Another explanation, given me later by a Russian newspaperman, was that building operations had been stopped because of a lack of skilled labor. Both of these explanations probably are true in part. I do know that during my trip thru Russia I saw possibly a hundred of these half constructed buildings and I did not see one on which the work was still going ahead.

The materials on display at the Building Center appeared all right to my untrained eye. Soviet Russia, which covers one-sixth of the land surface of the globe, seems to have everything. From the forests of the north, the metal mines of Siberia and the granite and onyx quarries of the Urals can be brought the world's most beautiful and durable building materials. Yet here again the "scientific" mind seems to have gone haywire. The pride of that building superintendent's heart seemed to be the imitations, such as imitation stone blocks made of lime and cinders, counterfeit lumber made of compressed fiber and thin veneers of marble duplicated in celluloid.

## Mighty Poor Building Blocks

My Australian friend immediately began to tear apart the superintendent's playhouse. He began his "kabitzing" by picking to pieces with his bare fingers one of the lime and stone building blocks. "Why do you fool with this junk when you have unlimited resources in real stone?" he asked.

The building superintendent hurried the Australian away from his building blocks to show him a display of tile such as are used to finish bathrooms. The Australian reached out a long arm and selected two tile from the rack. "These are American tile," he said.

"How do you know?" the superintendent asked.

For answer the Australian placed the two tiles back to back. They fit perfectly and were of an exact pattern. He then selected two other tiles and backed them. "Here is some of your stuff," he said. The tiles were not level, at one side there was a gap of nearly 1/4 inch and there was nearly that much variation in thickness.

Americans are noted the world over for their egotism, but I think the palm should be handed Australia. My friend went thru that Building Center picking flaws in everything shown him until the superintendent walked away in disgust and the girl guide left us to sit in the car.

But not even the Australian had any good criticism of the practice air raid that was staged the same afternoon. After eating lunch at the hotel we had gone out together for a walk. On account of the crowded housing conditions, the sidewalks are always packed and there is an overflow onto the pavement. We were drifting along with this

(Continued on Page 24)

# Hit Fruit Enemies Hard, Do All Jobs Better, With New Equipment

JAMES S. BRAZELTON  
Echo Glen Farm, Doniphan County

OWING to the low prices of recent years the apple grower has not been inclined to invest in new spraying equipment. Up until last year necessity forced him to make his old outfit do. By doing a thoro job of overhauling each winter he was able to get by. But despite the best of care machinery will wear out. And not only that, in this day of mechanical advancement, sprayers, like automobiles, become obsolete. Sooner or later replacements must be made regardless of the cost. Efficient spraying cannot be done when it is necessary often to take time out to repair some breakdown. Scab and codling moth, aphids and all the rest of the enemy horde are rapid working critters and go blithely on with their devastation while the spray outfit is idle.

## "Nor Last to Discard the Old"

If the fight is to be won it must be done by the use of the most efficient methods. A number of growers must have so decided last spring, for more new sprayers were purchased in this county than had been bought for many a day. With future prospects bright it is expected that many more orchards will be cared for this summer with new spraying equipment. Shakespeare's advice to be "not the first to try the new nor yet the last to discard the old" is as timely in this machine age as it was in the days of Queen Elizabeth. Apple growers swapping old for new, have a wide range of dependable equipment from which to choose, for sprayers are built now in many sizes and combinations.

## Remember the Knapsack Sprayer?

The writer well remembers the knapsack and compressed air sprayers of by-gone days. This is the way we used to try spraying our vineyard near Wathena years ago. When the spraying of apple trees first became necessary we used a hand-operated barrel sprayer. This man-killing apparatus was used in our 40-acre orchard and it proved a mighty good device for dampening one's enthusiasm for fruit growing. It is interesting to compare these crude pest-fighting efforts with the streamlined, full-armed, low swung, engine-powered sprayers, traction and tractor-driven outfits of the present day.

## High Pressure Gives Better Control

The new sprayers are built for greater efficiency with a capacity up to 50-60 gallons a minute at 800 pounds pressure, for it is found the higher pressures give the best pest control. These later models are equipped with guns having multiple nozzles, called broom guns, which drive a surging, all-enveloping cloud of spray all thru the tree. This speeds things up considerably for the gun operator steps right along, not having to wait on a comparatively feeble stream to cover his tree. The liquid is impelled with such force that it penetrates the most inaccessible places and sticks where it lights.

## More Tractor Power Is Used

More and more, orchard owners are coming to the use of tractors to pull their spray rigs. Power is the essential thing in successful orcharding these days, because it is power that increases efficiency and lowers costs. In the spring, at scab spraying time, the ground often is so spongy and soft that a team could not get thru the orchard with an empty sprayer. At such times we have seen tractors of the crawler type with power take-off moving effortlessly along pulling a sprayer axle deep in mud, and still with power enough to maintain a 600-pound pressure at the nozzles.

## Spraying May Be too Late

Success or failure in scab control depends upon timeliness of application, the speed with which the orchard can be covered with a fungicide. Sometimes it is necessary to wait days

for the ground to become firm enough to hold up sprayer and team. All this time scab spores are developing rapidly. By the time firm footing is possible it often is too late for the spray application to be effective. In a case like this a tractor, and especially one of the track-type, may mean the difference between scabby apples and scab-free ones.

## Meet Rigid Requirements

The new orchard tractors are especially designed with a low center of gravity so as to work on steep hillsides without danger of tipping over. They are built streamlined to slip thru closely planted rows without damage

to fruit or trees. The chassis, rear wheels, belt pulley and flywheel are all covered or enclosed, leaving nothing to catch branches, to injure blossoms or to bruise fruit. They are planned to meet the rigid requirements of orchard work like deep plowing and heavy disk-ing. They have power to do two jobs at once, pull the sprayer up hill or thru mud and maintain at the same time the required spray pressure.

## A Dozen Jobs Well Done

Their practicability on an orchard farm is unlimited for, besides operating and pulling the sprayer, they may be used to operate a power take-off mower, to disk in cover crops, haul brush, pull dead trees, saw wood and do many other practical jobs. The same progress has been made in orchard tillage implements. There are orchard plows built with a clearance to handle heavy cover crops at any depth and orchard disk-harrows designed to angle and straighten with drawbar power under trip-rope control. They are built on a low frame with no levers sticking up to catch branches.



**The BEAR CAT**  
Combination  
GRAIN and ROUGHAGE MILL  
Also ENSILAGE CUTTER

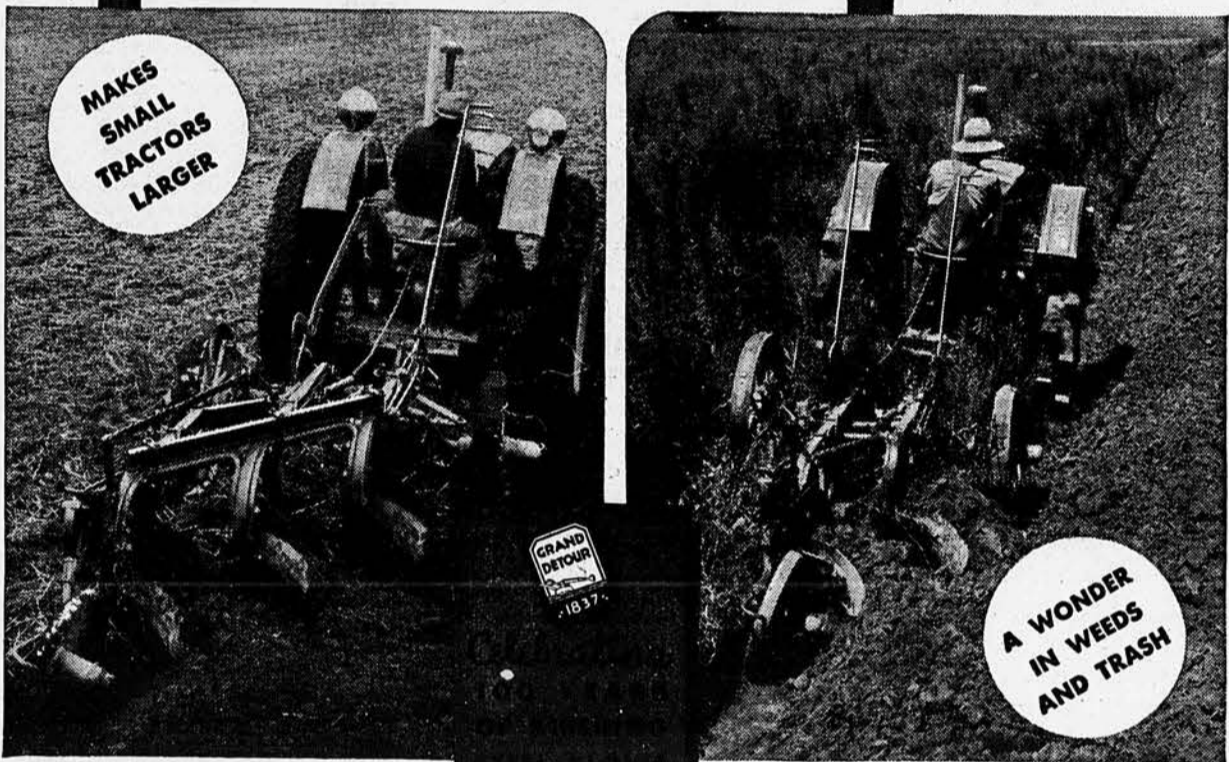
Grinds any feed—green, wet or dry. This feeder really takes in loose roughage, bundles or bale flakes and no monkey business about it. Large capacity guaranteed with ordinary farm tractor. Grinds grain, ear or snapped corn with roughage or separate. Has cutter head and swing hammers. Get full information on this real honest-to-goodness Grinder. Write  
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Get this handsome Instru-ment NOW. Here's How. Just send your name and address (SEND NO MONEY). WE TRUST YOU with 24 packs of Garden Seeds to sell at 10¢ a packet. When sold send \$2.40 collected and WE WILL SEND this mahogany finish guitar and Five Minute Instruction Book absolutely FREE. Write for seeds NOW. A post card will do. Address: LANCASTER COUNTY SEED COMPANY Station 203, Paradise, Pennsylvania

# Great new plow



In 1837 the first Grand Detour steel plow solved the scouring problem. In 1882 Grand Detour built a riding plow with leaning furrow wheels to lighten land-side pressure. Now Grand Detour (since 1919 the Case plow division) caps a solid century of steel plow building by bringing you the first tractor plow that positively carries land-side pressure on the rear furrow wheel. It saves several horsepower usually wasted in land-side friction; lets your tractor travel faster or pull more bottoms; not under a single set of conditions, but with a simple, quick adjustment for every combination of depth and soil.

**COVERS CORN STALKS CLEAN**  
Clearance where clearance counts—between bottoms, beneath beams and braces, back of the shin—avoids clogging and lets your tractor keep going. You can turn under heaviest trash; the heaviest cover crops; to conserve your soil and build up fertility. More clearance when raised, too; from 6 inches deep to

6 inches clear in less than plow-length with power lift alone—9 inches with levers; no catching on sods or dragging in trash. Other features save power and add capacity. Oversize wheels reduce rolling resistance. Double-beaded beams, heat-treated; braces forged red-hot into place; chilled iron cone bearings to keep the heat-treated coulters running true—all keep parts in line for lighter draft and better work.

**SEE WHAT USERS SAY**  
"It pulls easier and stays in the ground better under adverse conditions than any plow I have ever used," says Ed. Jarolimek. "The ground was so hard that nobody in this section tried to plow, but my Case Centennial plow worked perfectly," reports W. A. Heal. "I have plowed under sweet clover as high as my head, and you couldn't see it." A. C. Green writes that the Case Centennial "is the only 14-inch gang-plow we have been able to use in heavy broom corn stalks." Hundreds of letters from farmers tell of the remarkable performance of this modern plow.

**FITS ALL FARMS AND TRACTORS**  
No matter what make of tractor you have, or how satisfactory your present plow may seem, be sure to see the Case Centennial; how much more and better plowing you can do; how Case construction means longer plow life. Built with 2, 3 and 4 bottoms (12, 14 and 16-inch). See it at your Case dealer or send for new plow pictorial.

**HEAR AND SEE**  
**"THE BLADE OF FAME"**  
THRILLING NEW PLOW PICTURE

From a simple saw blade to one plow triumph after another is the stirring story of this new picture production. It is built around Leonard Andrus, founder of the steel plow industry 100 years ago. Don't miss this unusual picture during the Tractor and Power Farm Equipment Show.

**FIRST SHOWING AT WICHITA**  
February 23 to 26, 1937  
**J. I. CASE COMPANY**  
400 So. Wichita St.



# HOW MUCH TO PRODUCERS?



[ In daily touch with every meat, dairy and poultry consuming city, town, and hamlet in the United States ]

**T**HE West produces more meat animals, and dairy and poultry products than it consumes; the East consumes more meats, butter, cheese, poultry, and eggs than it produces. How to bring together producers and consumers that average hundreds of miles apart is one of the nation's biggest economic problems.

Swift & Company sells meats, butter, eggs, poultry, cheese, hides, glands, sheep skins, and dozens of other products and by-products. The money that Swift receives for all of its products is designated as its wholesale food and by-products dollar. During 1936, this dollar was paid out as follows:

- 76.0 cents went to producers of livestock and other agricultural products.
- 10.6 " went for Labor (including wages and salaries)
- 3.4 " went for Transportation
- .2 " went for Interest
- 4.1 " went for Supplies
- 4.2 " went for Rents, Taxes, Refrigeration, Insurance, Pensions, Traveling, Telephone, Telegraph, Stationery, Depreciation and other expense items
- Balance remaining with Swift & Company:
- 1.5 " Net Earnings
- 100 cents

Only by continually improving its manufacturing and distributive methods can the company return to producers so large a share of the wholesale food and by-products dollar.

## Swift & Company

Over a period of years, Swift & Company's net profits from all sources have averaged only a fraction of a cent per pound

# Every Year Has Its Emergencies; Let's Meet Them With a Tractor

HENRY HATCH

**I**T MAY be necessary to move something of considerable weight a short distance, and move it quickly. Of course, the tractor is driven there in a hurry, and with cable or chain the job soon is over, probably before the harness could be thrown on four horses.

At 11:30, one winter night, with the thermometer near zero, a knock came on my door. A neighbor and his wife, in their heavy car had skidded on the snow into a ditch, the bottom of which had not yet frozen in the recent sudden change. It looked like a job for 4 good horses. But the tractor had been used that afternoon for grinding, and it went right off at the third jerk of the crank. Without putting water in the radiator, the heavy car was pulled out, and the neighbor went home rejoicing that tractors were in the world.

The first field job in spring usually is oats seeding. Early seeded oats are best. If you must wait too long in Kansas to seed, it often is best to keep right on waiting until early spring of the next year. Oats seeding really is an emergency job, something that must be done right on time. The tractor on the disk preparing the ground, then to the drill to complete the seeding, gets the crop started on time. Another day's delay may mean rain and 2 weeks to wait, which starts the crop too late.

### Ten More Bushels of Corn

Spring plowing is another emergency job—and what farm work, with the weather man giving us first too much of this and then too much of that, is not an emergency job? How many times have you told yourself, "If I had only gotten all that field plowed when I did the first half, that corn would have made 10 bushels more to the acre." More emergency work, but you didn't realize it as such at the time. The tractor would have put you thru the emergency in time to have obtained another 10 bushels to the acre.

It's harvest weather. Sun getting hotter every day. Flies are biting fiercer. Last Sunday you said wheat harvest was 2 weeks away—plenty of time to finish putting up the alfalfa and go over the corn once more. And it needs it, for weeds are growing rapidly and the top is beginning to get a bit crusted. This morning you shortened up the time of harvest a half-week, and this noon, under the glare of the bright sun the wheat looked more golden than ever. You know how it turned out—the last of that cutting

of alfalfa, the corn cultivating and the harvesting all coming at once. Sure, this is an emergency. But the tractor pulls everything thru nicely on time. The corn is gone over again by working from early to late—in 10 minutes you and one of the boys cause it to "shed" its cultivator, and, perhaps without stopping the motor, you drive it around to the binder, and to the wheat field you go. What does it care for the heat or flies!

Grain is in the shock. Bins are empty. Everyone out of feed. Another emergency. The first grain you cut seems dry enough to thresh. The tractor pulls the separator to the back corral, you belt up and thresh out two bundles of wheat and four of oats, to get early feed. That evening a neighbor comes over and borrows a half-dozen sacks until he threshes. Another emergency met.

### When Jobs Pile Up

Corn is growing to beat the band, but it must be cultivated once more—it wouldn't do to lay it by without it. But how about that other crop of alfalfa—it has been growing as rapidly as the corn? Looks as if two jobs with only time for doing one. The mower goes on the tractor and 10 acres are cut in time to have the mower off and the cultivator back on by noon. Twenty acres of corn are "laid by" before too dark to see that night, and another 20 acres are put away before the alfalfa is dry enough to be raked the next afternoon. More emergencies beaten by the tireless tractor.

And so on thru a year of farming—always a year of emergencies. Looking ahead, we cannot see them, but they face us often just the same. Plan as we will, our plans cannot be well enough laid to solve all by the old order of things. The new order is here and by the new order we can solve emergencies.

### Will Use a Sod Slicer

Out in Gray county, John Deeds has contour-furrowed about 30 acres of pasture and plans to contour more later. He said he is going to try a sod slicing machine built especially for that work by the Caterpillar people on the next that he contours. Verne Robertson has made arrangements to use the machine for a few jobs in that community.

## IMPORTANT CENTENNIALS IN AMERICAN AGRICULTURE



John Deere

HE GAVE TO THE WORLD THE STEEL PLOW



1937 is the One Hundredth Anniversary of Deere's Steel Plow.

JOHN DEERE IN HIS BLACKSMITH SHOP IN GRAND DETOUR, ILLINOIS WAS PUZZLED OVER THE PROBLEM OF THE PIONEER WHOSE CAST IRON PLOW WAS POWERLESS IN THE STICKY SOIL OF THE PRAIRIE

FROM THIS BROKEN BLADE HE FASHIONED THE PLOW THAT CUT THROUGH THE GUMMY SOIL, SCOURING ITSELF AS IT WENT.

THIS PROVED TO BE A MONUMENTAL EVENT IN FARMING HISTORY. IT SIGNALIZED THE CONQUEST OF THE VAST PRAIRIES.

ONE DAY IN A SAW MILL HIS EYES CAUGHT THE SHINING SURFACE OF A BROKEN STEEL SAW AND INSTANTLY THE SOLUTION OF THE FARMER'S PROBLEM TOOK SHAPE IN HIS MIND.

# Better Ways of Growing Wheat

WESTERN KANSAS FARM EXPERIENCE

WESTERN KANSAS farmers are trying out needed ideas in wheat growing. One of these men is Randal Dikeman, Syracuse. He farms 2,830 acres of dry land, and "dry" in this case means that in normal seasons it takes 2 years to store sufficient moisture in the soil to produce a good wheat crop. Like all good farmers in that section, Mr. Dikeman is finding it takes 3 feet or more of moist soil at seeding time to give him much of a "show" for wheat. Asked how long he had known this fact, he replied "not very long."

Farmers in Southwestern Kansas reason this way. Rain of any consequence seldom falls except in the spring. A growing wheat crop will use most of this moisture and about the deepest soil moisture a farmer can store by seeding time that fall is around 12 inches or less. This isn't enough to carry the wheat crop thru the winter in vigorous condition and enable it to come thru to late spring if the ensuing year happens to be unusually dry. So they are deciding the only way to raise a wheat crop is on summer-fallow land and they aren't disappointed if last year's stubble land doesn't make a crop.

Mr. Dikeman's plan is to summer-fallow with a 7-shovel machine which is a cross between a lister and a field cultivator. He made this outfit from a three-row lister. The shovels or lays were made by a blacksmith in Syracuse, and they leave furrows like small listers. This machine keeps the soil rough and in excellent condition to catch rainfall. Damming attachments fill every furrow with "basins" several feet long.

At seeding time he mounts a seed-box—the kind used on a drill—on top of the fallowing machine and drills 7 rows at a time, 20 inches apart. The seed is dropped in 2 rows and spreads out over the base of the furrow as soil rolls down from the sides to cover it and packing wheels come along.

## Helps Prevent Wind Damage

One of the unusual features of Mr. Dikeman's farming is that he drills back and forth, either east and west, or northeast and southwest. This protects all the field from north and northwest winds. He said he had noticed blowing in fields usually starts where the rows run north and south. Others also have mentioned this.

Right here is an argument for strip-farming, too. Mr. Dikeman finds no disadvantage in pulling the combine back and forth along these rows and furrows. He cuts back-swath for a time and then pulls around the lands. If you want to farm strips of wheat between sorghums or fallow, you can follow the same method of cutting—just back-swath or pull around-land on each strip.

There are 9 quarter-sections of wheat planted with this new machine on Mr. Dikeman's land, and 9 quarters with a regular deep-furrow drill in 14-inch rows. The wheat in the deep furrows and wide rows looked the better in January. In fact it showed up green

and vigorous. The land didn't look as if it would blow a particle and Mr. Dikeman said he was confident it wouldn't. Two quarter-sections of wheat drilled on last year's stubble, at a landlord's request, didn't look as if it had much chance of raising wheat except with unusually favorable spring weather.

After leaving the fallow land in dammed furrows until late summer, a rod weeder is used to level the ridges sufficiently for drilling. This doesn't leave the surface exactly smooth, and brings some of the coarser clods to the top.

Mr. Dikeman believes Western Kansas needs a soil blowing law. He can show you fields in his community which blow every day there is a light breeze. When these lie alongside a well-anchored piece of land they often "come over" and start that field drifting.

It will be worthwhile to watch the

progress of wheat drilled in Western Kansas with these new machines. At harvest time Kansas Farmer will report on the final outcome. Already machinery companies have made deals with farmer inventors to incorporate their ideas in commercial machinery. In a few years we can thank some of our farmers for improved methods of wheat culture which we hope and predict will make crops comparatively certain.

## Power Show Gets Ready

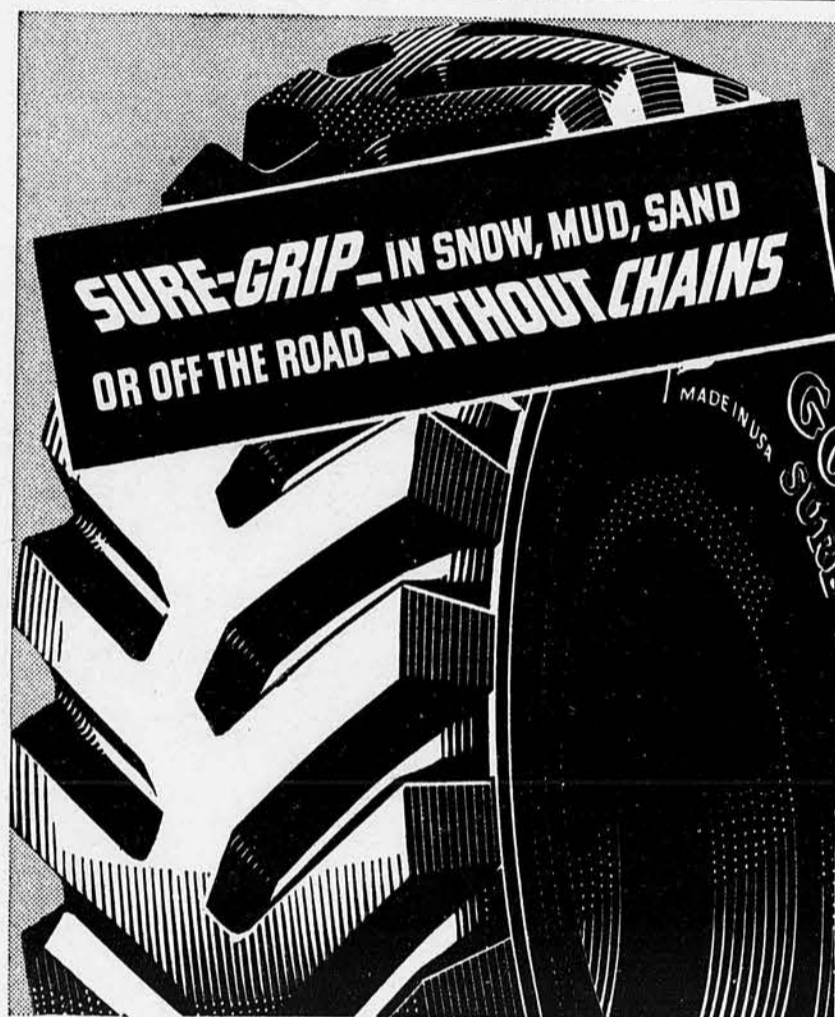
(Continued from Page 3)

And you will see plenty of implements equipped with rubber tires in Wichita. Many of the new combines have them, as do the mowing machines. Incidentally the use of rubber with higher speed makes possible the narrower combine, which can cut and thresh as many acres of wheat in a day as do its bigger brothers, simply because of its higher speed. Only one or two companies exhibited this type of combine in 1936. Now most of the major manufacturers

have them already to go this season, and they'll be on display at Wichita. No matter whether you intend to buy a tractor this spring, you're going to be interested in the show. As was said in the beginning, unlike most exhibitions of machinery, a good part of the equipment will be in operation. Somehow you can get a better idea of the way a machine is going to work by witnessing the "works" in action. Of course, there will be plenty of salesmen on hand to explain everything that seems a bit confusing.

Our parting admonition is for you to load the Mrs. into the car, and hurry to Wichita to spend one day at least. She will be just as much interested as you are in the various exhibits, and in addition, she will find a lot of entertainment that probably you won't care much about. I'm referring to the model kitchen, and other exhibits in the form designed to catch the eye of women folks.

Wichita is the center of a lot of state and national highways, and no matter where you live, you will have good roads all the way. We'll be seeing you in Wichita, February 23 to 26.



## A TIRE FOR ANY TOUGH GOING

**POSITIVE** go-ahead traction—in any going—in any weather! That's what this new Goodyear Sure-Grip Tire gives you in snow, mud, slush and sand. It gets you there without slipping, without stalling—and without chains.

See how its husky tread is scientifically designed for moderate speed on soft surfaces. Those deep-cut lug bars bite down—dig in—grab hold—pull you through! Those wide self-cleaning channels force out muck—prevent packing—insure sharp sure grip at every turn.

That big center rib means easy no-bump riding—and Supertwist Cord in every ply guarantees long, safe wear. Put on Goodyear Sure-Grips now, and laugh at winter's worst!

Made in all popular sizes for passenger cars and trucks!

## THE BEST HELP ON THE FARM

### GOODYEAR KLINGTITE ENDLESS BELTS

The standard belt for driving all farm machinery. Tight-gripping, non-slipping, long-wearing. Stands all kinds of weather with minimum stretch. Also in roll lots and cut lengths.



### GOODYEAR TRUCK TIRES

are made of chemically-toughened rubber for longest wear and trouble-free mileage. See the wide assortment of types, sizes and prices at your Goodyear dealer's.



### GOODYEAR ALL-TRACTION TRACTOR TIRE

Greatest tire for farm work. 50% more traction in all directions—100% more shoulder tread—48% more rubber for longer wear! 30% more draw bar pull proved in farm tests!



EVERY ONE BUILT TO THE GOODYEAR STANDARD THE HIGHEST STANDARD OF QUALITY AND VALUE IN THE WORLD

YOU CAN AFFORD GOODYEAR QUALITY. In addition to special-service Sure-Grip, Goodyears are made in three different price classes—each the top-quality tire for the money. Pick the one that fits your need.

## A Better Farm Home Train

A Better Farm Home Train, carrying a message of more attractive, convenient and economical farm homes for rural Kansas, will leave Manhattan May 10, and follow the network of the Santa Fe Railway system on a schedule of 36 county stops in Kansas. This train will be a co-operative undertaking by Kansas State College and the Santa Fe Railway.

The train will be of interest to everyone on the farm. Three coaches will be filled with exhibits and working demonstrations. There will be farm house plans, furniture arrangement, plumbing demonstration, electrical set-ups and many other worthwhile things to see and hear. Abilene is the starting place on May 10, El Dorado the final stop on May 22. Watch for a complete schedule about May 1.

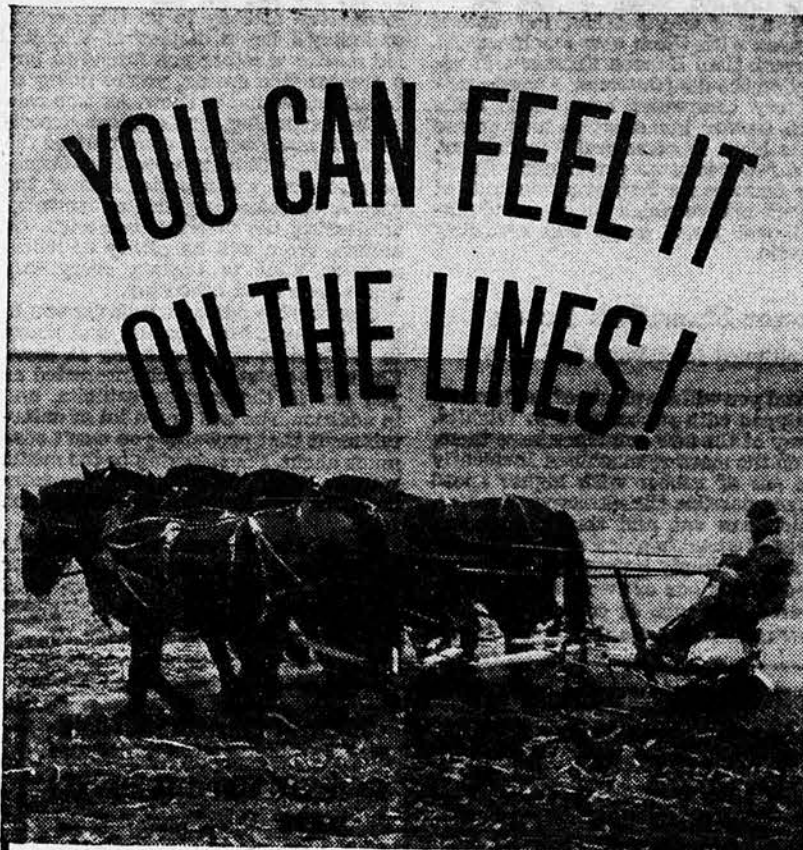
THERE'S A GOODYEAR BATTERY NOW!

THE GREATEST NAME IN RUBBER

# GOODYEAR

MORE PEOPLE RIDE ON GOODYEAR

TIRES THAN ON ANY OTHER KIND



**YOU CAN FEEL IT  
ON THE LINES!**

WHILE you're looking over your implements and getting ready for spring work, don't forget your horses—remember, they do the pulling. They've been on roughage for several months. They're stale. Clean 'em out and pep 'em up with Dr. Hess Stock Tonic. Tonic supplies iron for the blood, diuretics for the kidneys, laxatives for the bowels. It contains a complete mineral supplement which is also essential in preparing horses for spring work.

It will make all the difference in the world to pull into the field with Tonic-conditioned horses. You'll feel this difference on the lines. You'll have teams that can stand a day's work and help you get the rush jobs done.

Get your supply of Tonic from your Dr. Hess dealer. Give your workers a course of it and they will be ready for the word when plow-time comes. Dr. Hess & Clark, Inc., Ashland, Ohio.

**Dr. Hess STOCK TONIC**  
RESEARCH FARM TESTED

**HOW TO GET RID OF LICE**—Stock huddled together around the barn through winter months tend to get lousy. Young stock especially suffer from lice. Clean out these energy-sapping parasites with DR. HESS POWDERED LOUSE KILLER. This dry powder gives off fumes that kill lice. The animal's long winter coat holds these fumes for days. POWDERED LOUSE KILLER is ideal to rid sheep of ticks while it is too early to dip. Also put in a dust bath in the poultry house to kill chicken lice. Inexpensive—2½ pounds, 50c—6 pounds, \$1.

**PATRONIZE**  
—the companies advertising through the columns of  
**Kansas Farmer**  
Also when you write to them be sure to mention you saw their advertisement in this paper. It will help us and it will help you.

**HARNESS BILL HARNESS**  
Direct from Factory to You. **BIG SAVING**  
• Why pay unnecessarily high prices—Get the World's Strongest Harness direct for much less. Freight paid. **CUSTOM TANNING**—Hides and furs tanned with hair on—made into beautiful rugs, robes, etc.; costs little; gives you the most possible for hides. Write at once for 1937 catalog. **OMAHA TANNING CO.** So. Omaha, Nebr.

**CHASE FLYER**  
Listed Corn Cultivator

- Greatest weed-killer and soil-mulcher
- Gangs operate as separate units follow rows perfectly... conform to roll of ground
- Single-lever control from tractor seat
- Exclusive heavy-duty double-bearings endure hardest use

CHASE also has a quality line of Listers, Cultivators, Basin Builders, Potato Diggers and Bindweed Exterminators.

**WRITE** Send your name for illustrated literature, complete details and the very Low Price. **WRITE TODAY!**

**CHASE PLOW CO.,** 711 West P St. **Lincoln, Nebr.**

**Newest Class of Master Farmers  
Announced by Kansas Farmer**

AS FARM and Home Week closes at Manhattan, it is Kansas Farmer's privilege to announce the new class of Master Farmers for 1936. Five worthy men and their wives are Kansas Farmer's guests at the Farm and Home Week banquet in Manhattan, which ends the big program for another year. Hundreds of farm people appreciate, as does T. A. McNeal, editor of Kansas Farmer, the importance of presenting the Master Farmer medals. And when Mr. McNeal congratulates each man, he does so from his heart. Somehow he has the ability to feel the serious as well as the humorous side, for his words never fail to bring both laughter and tears.

The 1936 Master Farmers, selected by Kansas Farmer, are Lee E. Porter, Stafford county; John M. Kugler, Dickinson county; M. C. Hathaway, Brown county; A. N. Claassen, Butler county, and Charles Hamon, Jefferson county.

**Wheat and Ayrshires Pay**

Fifty-two of Mr. Porter's 55 years have been spent in Kansas. He bought his present farm in 1926 and 1927, and there he and Mrs. Porter, and six fine children, have made a real home. Three of the children have been educated at Kansas State College. Three are students there now. Porters control 1,040 acres in all. Wheat is the principal crop, and Ayrshire cattle and Buff Rock chickens the main livestock. Mr. Porter said early and deep plowing,



Lee E. Porter, Stafford county.

keep, safe business methods, and good management of the soil, crops and livestock.

**His Farm Free of Debt**

Paying \$25,000 for 80 acres of land didn't break M. C. Hathaway. He still thinks it was a good investment and the farm is paid for. Hathaways are glad they have this farm because it was Mr. Hathaway's boyhood home and the elder Mr. Hathaway always kept the soil fertile. In addition, M. C. Hathaway has added 240 acres, to make a half-section in all. There are a daughter and a son in this family, both of whom will receive complete educations. The Hathaway home has been equipped with furnace, running water and lights for many years. Mr. Hathaway is an excellent farmer. He pays particular attention to the soil. His average corn yield for the years 1931 to 1935 was 36 bushels to the acre. Wheat made 28 bushels. Mr. Hathaway is an active worker in the church, farm organizations and schools. He is respected by all who know him.



Charles Hamon, Jefferson county.

clean cultivation and summer fallowing have been the most profitable features of his farming system.

**Active in Community Work**

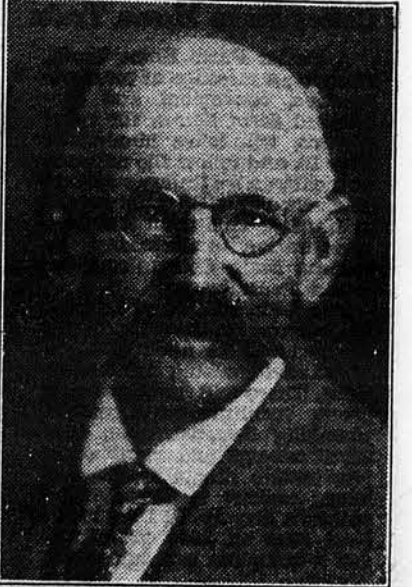
John M. Kugler is a successful farmer who has spent all of his 51 years in Kansas. He has bought and paid for 465 acres of good land thru farming alone. Wheat, feed grains and alfalfa are the principal crops on the Kugler farm. Livestock is handled extensively. Early seedbed preparation and seeds planted in season, crop rotation with soil building crops, and soil tillage to hold moisture have paid the Kugler family most in dollars and cents. They live in a new, modern home and have 4 fine children. Kuglers are very active in community work.

**Poultry Show Up Very Well**

Education always has been considered important in the Charles Hamon home. Mr. Hamon taught many terms of school to get needed cash for farming. He and Mrs. Hamon have given their two children every educational advantage. While Mr. Hamon seems to be most interested in his Poland China hogs, beef cattle and soil and crop practices, he admits poultry has paid the most profit for money invested. The Hamon home is modern in every respect. While the farm is relatively small, only 160 acres, the Hamons appear to be a master farm family in every detail—which means they give attention to public spiritedness, home life, good farm appearance and up-

**Creep-Fed Beef Has Helped**

Mr. and Mrs. A. N. Claassen make their home on 560 acres of good Butler county land. They rent an extra half-section. Mr. Claassen has purchased land periodically from 1888 to 1934, gradually building one of the finest farming layouts in Kansas. Corn, oats, wheat, Sweet clover and alfalfa are crops raised, while native pasture is important. Duroc hogs and Hereford cows, all of excellent quality, are the chief livestock enterprises. One son, Arthur, helps with the farming, and two adopted daughters have helped make a real home. Harvesting alfalfa seed is the most profitable job Claassens have found in recent years, but they could not have made expenses without the returns from creep-fed calves and sale of wheat.



A. N. Claassen, Butler county.

# What's New in Farm Equipment That Will Fit Your Needs

TUDOR CHARLES

A FEW years ago it seemed almost everything possible had been added to the field of farm machinery available to farmers. But now the man who looks for new tools to restock his implement shed, realizes widespread invention and refinement have been going on while he gradually worked back as an active buyer of equipment. For our farm we ordered a tractor, plow and mower in December. But our dealer wouldn't promise delivery before "sometime" in February. It may pay to plan machinery purchases early.

Despite occasional doubt or objection expressed about rubber tires for tractors, the movement has grown like an epidemic. Which reminds us of the days when first row-crop tractors came out, and the dealers almost apologetically induced a good farmer or two to try the "thing." That story is closed; buyers of row-crop tractors found they were fully satisfactory for row work, haying or small grain growing.

The tractor has been put into balance with tires. It has more clearance, and the wheels come in sizes to assure a level position of the whole machine. A speed approximating 9 or 10 miles an hour in various makes is now optional on most tractors with rubber tires. This speeds up road travel, and the tractor will beat a team of mules easily, pulling grain from the thresher. A couple of heavy rubber-tired trailers will "fill the bill" here.

## Can Handle Three Plows

Another surprise is that 1937 tractors, equipped with tires, have about an additional "plow-bottom" of strength. The former two-bottom tractor now "walks out" with three plows. A big advantage of this is to reduce side-draft on the drawbar. Formerly the wide tread tractor necessitated hitching a two-bottom plow well to the right side of the drawbar. But with another 14-inch bottom the hitch can be moved 7 inches to the left and still place the right wheel directly in the furrow.

Of course, the conventional four-wheeler tractor is still the ideal plowing machine. It has the advantage of one of the front wheels following along the furrow-side.

In the corn field, farmers who are getting back in the corn production game in earnest ought to be interested in listers which mount on the tractor. Some equipment lines supply these with or without the power-lift; others have simplified to include only power-lifted tools. In either case, if you have a large row-crop acreage don't overlook the power-lift. It will save time. And mounted listers enable you to watch their work closer, get closer to the fence to reduce headlands, and—depending upon how you farm—keep the rows straight or follow a contour.

New lister-cultivators, also called corn disks, "curlers," "monitors" and "go-devils" in Kansas, are "sweet" machines. In two, three, four or five-row sizes, each row's weeder is carried in-

dividually on sidewise rollers. They run side-by-side and will follow any "decently" even rows. A close-up hitch saves space at the turn-row.

Dealers tell me they are going to sell a cultivator for corn plowing which attaches to the drawbar, behind the tractor, for use on sandy land where extra weight on the front end is objectionable. A four-row outfit would work fine, and toward Western Kansas where final corn plowing isn't such an exacting job, this kind of tool ought to be welcome.

Wheat growers know the rod-weeder. It is an excellent summer-fallow tool. Why wouldn't this work well to keep down milkweeds and other bothersome annuals which flourish so in our river valleys? A disk-harrow won't get these weeds where the soil is too loose, because the implement burys itself instead of the weeds. A rod-weeder ought to pull these weeds out.

## Hold Big Rains on Fields

Listing wheat land between harvest and seeding is going to take a big boom soon. With the basin or damming lister, farmers realize they can hold big rains which often fall during late summer. This attachment won't be used on rough land alone. Any gentle slope can make excellent use of basins and dams. A wide disk harrow will help hold the moisture if used right up behind the combine or between the shock rows. Then the soil is in good condition for listing.

Drills which furrow the ground—the deeper the furrows the better for Western Kansas—are getting popular. In fact, many Western farmers are pioneering this idea and building in their own plans on standard listing equipment. There is no "corner" on this system. Dozens are doing it. Machinery manufacturers are following this work.

A buck-rake for bringing grain shocks to the thresher is being made. I wonder what Eastern Kansas farmers think of the idea and how much practical use it has in Kansas.

Rubber tires and higher speeds have opened a wide avenue for advancement in hay-making methods. If we are to return to heavier hay production, there are great possibilities. If you wish to make a large stack close to the feed yard, just bring it in from half a mile away with the tractor sweep-rake or a similar attachment for your truck or old auto. Every good alfalfa grower will recognize this kind of long-distance hauling must be done when the hay is moist enough to prevent excessive shattering.

Rubber tires work well on alfalfa fields. They save the crowns of the plants and prevent dust in the hay. If you don't wish to use your rubber-tired tractor on the sweep-rake perhaps you would prefer to make a small investment and run the stacker in that way. Two prominent Kansas farmers, whom I happen to know use this plan and like it, are Herman Praeger of Clafin, and R. E. Getty, of Clayton.

# FARMERS NEEDED IT ... SO FORD BUILT IT!




A NEW STAKE BODY on the 112-inch wheelbase commercial car chassis. A great type for farm hauling. Load space 80 inches long, 62 inches wide, 23 1/2 inches high.

## NEW 60 HP. V-8 ENGINE

FOR 1937, Ford brings new economy to the farmer with an entirely new 60-horsepower V-8 . . . the thriftiest engine Ford has ever built for light farm hauling. And improvements in the 85-horsepower V-8 make it more economical than many engines of fewer cylinders and lower power. With these two engines, Ford offers a full line of optional equipment to apply power with greatest economy and to meet individual load requirements. Many combinations are available, one of which will do your job at lowest cost.

Many new features have been added to reduce operating cost, improve appearance and increase safety and long life. These advancements, with Ford's many famous tried-and-tested safety and reliability features, make the New 1937 Ford V-8 Trucks and Commercial Cars the greatest values in Ford history.

See for yourself what Ford has done to cut farm hauling costs. Ask your Ford dealer for an "on-the-job" test under your own operating conditions and get the facts about Ford's new economy. 

Convenient, economical terms through the Authorized Ford Finance Plans of the Universal Credit Company

THE NEW 1937

# FORD V-8

TRUCKS AND COMMERCIAL CARS



John M. Kugler, Dickinson county.



M. C. Hathaway, Brown county.

# LIGHT YOUR FARM FOR ONLY 50¢ A YEAR POWER OPERATING COST



**32-VOLT GIANT WINCHARGER**  
 \$69.95

Think what this FREE POWER FROM THE WIND means to you! Lights wherever you want them! Radio enjoyment hours every day! Washing machine, cream separator, water system, vacuum cleaner, or feed grinder—powered by the amazing new 650-watt, 32-Volt Giant Wincharger, at an operating cost of 50c a year!

**No Power Line Bills! No Gasoline Bills!**

Now you can have all the modern advantages of electricity, without any electric meter ticking your dollars away! If you own a gasoline-operated electric plant, stop paying \$30 to \$60 a year for gas and oil! Wincharger ends this big expense! *There's no tax on the wind—it's free!*

**Sold Direct, Factory-to-You Fully Guaranteed**

You pay no dealers' profits—no agents' commissions! You save over \$100 in buying Wincharger direct from the factory at a rock-bottom price. Every Wincharger is guaranteed to give you complete satisfaction, or your money will be refunded. More than 300,000 people now enjoy free power from Wincharger.

*This coupon will bring all the facts. MAIL IT NOW!*

**WINCHARGER CORPORATION, Sioux City, Iowa**  
 World's Largest Makers of Wind-Driven Generating Equipment

WINCHARGER CORPORATION,  
 Dept. KF2-37, Sioux City, Iowa

Please tell me all about how I can have electricity on my farm at a power cost of 50c a year.

Name.....  
 P. O. ....  
 County..... State.....  
 If you now own an electric plant, what make.....  
 Save postage: Paste coupon on penny postal card.

**NATIONAL Vitrified SILOS**  
 Everlasting TILE  
 Cheap to install. Free from trouble. Steel reinforcing every course of tile.

**NO Blowing In or 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.

**To Relieve Bad Cough, Mix This Recipe, at Home**  
 Big Saving. No Cooking. So Easy.

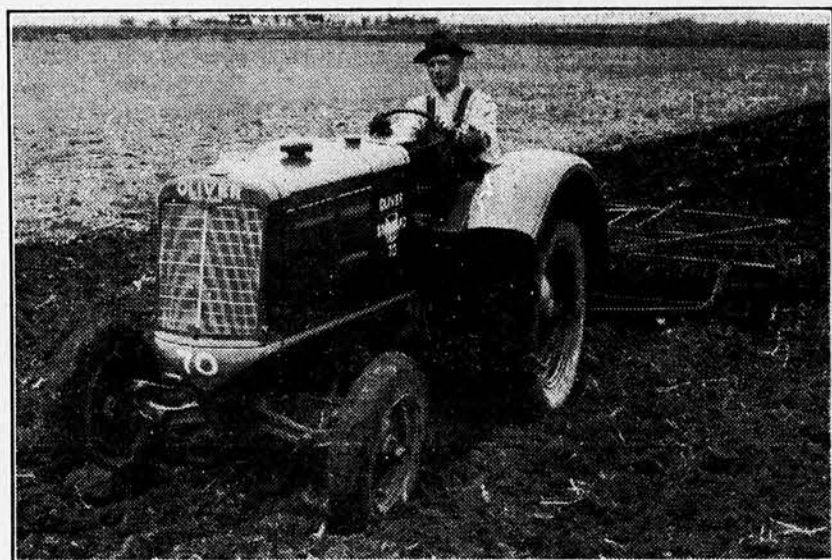
You'll never know how quickly and easily you can overcome coughs due to colds, until you try this famous recipe. It gives you four times as much cough medicine for your money, and you'll find it the finest thing you ever tried, for real relief.

Make a syrup by stirring 2 cups of granulated sugar and one cup of water a few moments, until dissolved. No cooking needed—it's no trouble at all. Then put 2½ ounces of Pinex (obtained from any druggist) into a pint bottle. Add your syrup and you have a full pint of medicine that will amaze you by its quick action. It never spoils, lasts a family a long time, and tastes fine—children love it.

This simple mixture takes right hold of a severe cough. For real results, you've never seen its equal. It loosens the phlegm, soothes the inflamed membranes, and quickly eases soreness and difficult breathing.

Pinex is a compound of Norway Pine, in concentrated form, famous for its prompt action in coughs and bronchial irritations. Money refunded if it doesn't please you in every way.

## This Oliver Is Streamlined



PULLING a disk harrow, this Oliver "70" looks like a motor car in many respects. It will be shown at Wichita, February 23 to 26, together with a complete line of farm implements.

## Who's Who at Wichita Show

**A**MONG the Wichita exhibitors, Kansas Farmer is especially proud to list here a number of its advertisers, together with some of the facts about the character of their exhibits, location, and the personnel of the group in charge. It goes without saying that every one of the big companies will be glad to welcome visitors.

**Minneapolis-Moline Power Imp. Co., Minneapolis, Minn.:** Exhibit at 401 S. Wichita Street. Complete line shown. In attendance: H. S. Holm, General Credit Manager; B. D. Grussing, Advertising Manager; Bert Lavers, Chief Engineer of Tractor Plant; Martin Ronning, Chief Engineer Hopkins Plant; John Seaholm, Chief Engineer Moline Plant; F. N. Langham, Southwestern Division Manager; H. K. Nelson, S. W. Assistant Division Manager; C. W. Feree, S. W. Sales Manager, Oklahoma and Kansas salesmen.

**The Massey Harris Company, Racine, Wis.:** Exhibit on "Tractor Row." Showing Complete line: In attendance: O. H. Shenstone, General Manager; E. F. Schiele, General Sales Manager; L. M. Sweeney, Assistant General Sales Manager; E. F. Krein, Advertising Department; E. A. Adams, C. E. Everett, Clem Michaels of Engineering Department, all of Racine, Wis. A. Checkla, Branch Manager, Kansas City, Mo.; F. A. Sunquist, Assistant Branch Manager, Kansas City, Mo.

**International Harvester Company, Chicago, Ill.:** Exhibit spaces 105-106-107, Forum. Exhibiting: Farmall, wheel-type, orchard and Diesel tractors; row-crop tools; tillage, grain and hay machines; complete line Harvester-threshers; dairy equipment—milk coolers—farm refrigeration; mo-

tor trucks, industrial tractors and power units.

Besides local representatives, there will be in attendance: R. S. Byers, District Manager, International Harvester Company, Chicago, Ill.; Neal Higgins, Head of Industrial Department, International Harvester Company, Chicago, Ill.; J. L. McCaffrey, Manager Domestic Sales, International Harvester Company, Chicago, Ill.

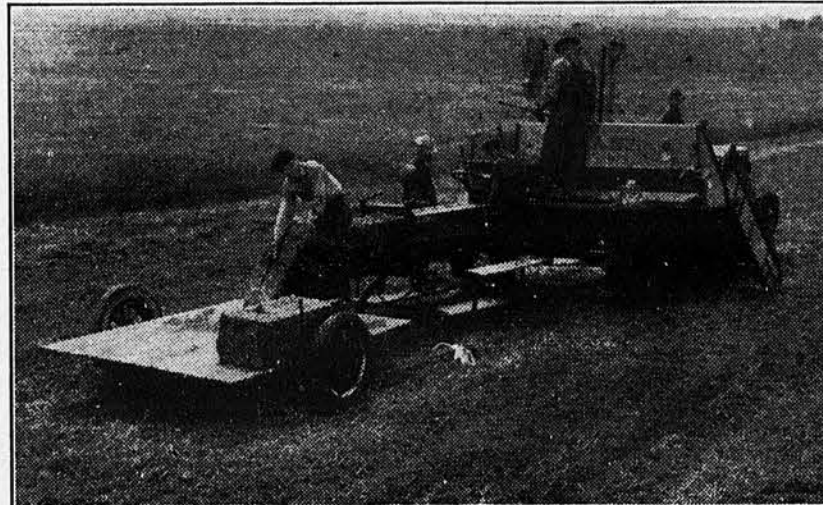
**Dempster Mill Manufacturing Company, Beatrice, Neb. Place—Forum.** Exhibiting— Implements, windmills and centrifugal pumps. Represented by: George F. Myers, Traveling Representative; Floyd Bott, Traveling Representative; H. E. Antrim, Traveling Representative; K. A. Underwood, Manager of the Kansas City Branch.

**J. I. Case Company, Racine, Wis.:** Exhibiting at 400-418 S. Wichita, Wichita, Kan. Showing: "Centennial" Plow; Model "C" combine; New Case threshers, 22 by 37 and 28 by 47; Tractors and listers with basin attachments.

In attendance in addition to local representatives will be: H. N. Karr, Racine, Wis., Main Works Special Representative; Ellis Chadwick, Manager, Kansas City, Mo.; A. G. Kellam, Assistant Manager, Kansas City, Mo.; W. F. Bartruff, Manager, and W. N. Ballinger, Assistant Manager, Oklahoma City; C. W. Jones and A. W. Leland, Manager, Rockford Works.

**John Deere Plow Company, Kansas City, Mo.:** Will exhibit at Western Implement Company, 439 S. Wichita Street, and also a line of J. D. Industrial Tractors and equipment on display in north room of Forum Building. (Continued on Page 17)

## Case Makes Pick-Up Baler



**D**RAWN by a Case tractor, hidden by the baler, this outfit can bale straw or any form of hay several times more rapidly than the stationary machines generally in use. It will be a part of the Case exhibit at the Wichita Power Show.

## We Know It As "CHAMPION of MIGHTY YIELDS"



-- that's what farmers call it throughout the corn belt. If you want these six unmatched advantages, buy a Hayes: 1. ELIMINATES THE SEVEN CAUSES OF POOR STAND. (if you don't know them we'll tell you). 2. PLANTS LIKE HUMAN HANDS (see illustration). 3. PLANTS BUTT AND TIP KERNELS. 4. LIGHTER DRAFT (eliminates necessity of fore-truck). 5. FEWER MOVING PARTS (no troublesome clutch). 6. DEPENDABLE -- and has been for 63 years.

## HAYES FOUR-WHEEL TWO-CORN PLANTER



**VULCAN PLOW DIV.** WALKING, RIDING AND TRACTOR PLOWS  
**RODERICK LEAN DIV.** HARROWS, CULTIVATORS, WEEDERS, ETC.  
 Home Office  
**FARM TOOLS, INC.** MANSFIELD, OHIO  
**PEORIA DRILL DIV.** GRAIN DRILLS, SEEDERS AND SOWERS  
**HAYES PLANTER DIV.** TWO AND FOUR WHEEL CORN PLANTERS

## Earn \$150 a Week BORING WELLS

Thousands of new wells needed! You can make more than a 300-acre farm next year, with one team and our **LISLE 1-Man WELL MACHINE**. L. O. Ferrand made \$245 first week; Wm. Kelly \$101.75 first day. Bore 100 ft. in one day. One team operates and hauls it anywhere. No experience needed. Cash in on this big 1937 demand for new wells in your locality. Big money. Easy work. Write today for free catalogue, prices, terms, opportunities. No obligation.

**LISLE CORP., BOX 1006, CLARINDA, IOWA**

**National Carbide**  
 CARBIDE OF HIGHEST QUALITY  
**National Carbide Corporation**  
 Lincoln Bldg. New York



## Invite You to Enter Pasture Contest

DO YOU wish to have a part in rebuilding the grazing lands of Kansas? If so, fill in this blank and send it to Kansas Farmer, Topeka. We will send complete rules concerning the pasture rotation contest announced in a recent issue of Kansas

Farmer, and an entry blank for your use so you may compete for \$250 in prizes, while working out a pasture rotation for your farm. There are no entry fees. Contest area is west of the line running from Washington to Cowley counties.

Kansas Farmer,  
Topeka, Kansas.

Please send me rules and entry blanks for the Pasture Rotation Contest being sponsored by Kansas Farmer, for farmers in Central and Western Kansas.

Name..... Address.....

County.....

## Who's Who at Wichita Show

(Continued from Page 16)

ing. Exhibiting: Tractors, combines, drills, field cultivators.

Among those in attendance will be: M. J. Healey, Vice-President & General Manager; E. D. McGugin, Sales Manager; J. L. Diffenbaugh, Sales Manager, Power Machine Department; E. M. Burke, Division Sales Manager; B. G. Hays, Manager, Western Implement Company, Wichita, Kan.

Chase Plow Company, Lincoln, Neb.: Not showing at auditorium. Exhibit will be in care of Smid Tractor Guide Company. Showing: Listers, Tested corn cultivators, Basin builders. In attendance, G. H. Chase, Salesman.

Caterpillar Tractor Company, Peoria, Ill.: Display at Wichita Show will be put on by the Caterpillar Tractor Company with the co-operation of all the Kansas distributors. These distributors are as follows: Martin Tractor Company, Topeka, Kan.; The Oehlert Tractor & Equipment Company, Salina, Kan.; Roberts Tractor & Equipment Company, Dodge City, Kan.; G. C. Dunn Tractor Company, Wichita, Kan.

Place—Forum. Showing: Caterpillar Tractor-type tractors, including all models of Diesel-powered tractors—RD8—RD7—RD6—and RD4, Caterpillar Blade Grader; Caterpillar Elevating Grader and Caterpillar Road Maintainer powered with Diesel engine.

In Attendance: H. P. Mee, Vice-President; E. R. Galvin, General Sales Manager; L. B. Neumiller, Sales Manager; L. J. Fletcher, A. C. Jenvey, G. E. Hillman, A. L. Robertson, and several other department heads and officials. The meeting also will be attended by the officials and sales forces of all Caterpillar distributors of Kansas.

Letz Manufacturing Company, Crown Point, Ind.: Exhibiting roughage and feed mills. Place, John Deere Exhibit.

Oliver Farm Equipment Company, Chicago, Ill.: Exhibit on Tractor Row. A complete implement line will be shown with special stress on tractors and tractor-drawn tillage tools. In attendance will be: J. B. Dowd, Branch Manager; C. R. Hunt, Sales Manager; O. G. Satterlee, Credit and Collection Manager, all of Kansas City. M. S. Tucker, Assistant General Sales Manager; George Deckant, Factory Sales Manager; Howard Hall, Western Zone Sales Manager, all of Chicago.

Ford Motor Company, Detroit, Mich.: Exhibit in Forum under direction of Kansas City branch. Many styles and sizes in Ford truck and commercial cars will be shown. Display will be in charge of W. A. Bysel, Commercial Manager. In attendance also will be J. D. Ball, Wholesale Manager, and R. L. Davies, Assistant Branch Manager.

Fordson Tractor Company, Subsidiary Ford Motor Company, Detroit, Mich.: Exhibit under direction of O. J. Watson Distributing and Storage Company, West Douglas Avenue. Latest tractors and attachments will be shown. O. J. Watson and assistants will be in charge.

Allis Chalmers Manufacturing Company, Milwaukee, Wis.: Exhibit in Forum. Complete line of farm implements, tractors and tillage tools. Especial stress will be given All-crop Harvester, guaranteed to harvest and

E. Abramson, Sales Promotion Department, all of Milwaukee. From Kansas City will be J. R. McKnight, Agricultural Sales Manager; O. J. Thomas, Branch Manager; E. H. Wolter, Industrial Sales Manager, and H. E. Doying, Credit and Collection Manager.

The Cleveland Tractor Company, Cleveland, Ohio: Co-operating with Wichita Avery Company, Cletrac distributors, 336 S. Wichita Street. Exhibiting Cletrac streamline crawler tractors. L. L. Jones, Hutchinson Branch Manager. Those in attendance will be John Kameen, Accountant, K. E. Salmon and A. W. Fetzer.

Shaw Manufacturing Company, Galesburg, Kan.: Exhibiting at Booth 220, in the Forum. The Shaw "Du-All" Tractor will be shown in latest models, including both walking and riding models, from 2 to 8 horse power. S. W. Shaw will be in attendance during the show.

Dodson Manufacturing Company, Wichita, Kan.: Exhibit in Forum, showing silos, concrete boards, and Blizzard Ensilage cutters. Exhibit will be under the personal direction of Leon A. Dodson.

Jacob's Wind Electric Co., Minneapolis, Minn.: Exhibit will be in Forum, consisting of wind-driven generators, especially designed for charging radio batteries. Attending the show will be M. L. Jacobs, General Manager; C. W.

Davis, Oklahoma representative; and F. A. Stegeman, North Central Kansas representative.

White Wind Electric Company, Wichita, Kan.: Exhibit will be in Forum. Wind-driven generators for radio battery charging will feature this exhibit. C. S. White, manufacturer, will have charge of exhibit.

Briggs & Stratton Corp., Milwaukee, Wis.: Exhibit in Wichita Forum, consisting of gasoline engines for power washing machines. This company supplies engines for a majority of the washing machine manufacturers. Factory representatives at the Wichita Show will be S. A. Pease and Joe Joynt.

## Grow After 3,000 Years

Finding they can revive and make life continue in plant organisms which are known to have been frozen solidly for 1,000 to 3,000 years in the land of perpetual ice in Siberia, Soviet scientists are now experimenting to revive "dead" organisms of even greater age. Nature provides them a fitting laboratory for this type of work. In the area north of the Arctic circle they need only dig down 8 to 10 feet and they can find an ice zone which penetrates the earth to a distance of 200 feet or more. Darkened, but not yet decayed, grass-like plants were taken from the Arctic ice, and began to revive and show traces of green within 15 days.

thresh virtually every known grass and field crop.

Those in attendance will be: H. C. Merritt, Vice-President and Manager; W. A. Roberts, General Sales Manager; R. R. Walker, Agricultural Sales Manager; G. M. Malmo, Industrial Sales Manager; A. F. McGraw, Sales Promotion Manager; F. P. Shortie, Southwest Division Manager; R. A. Crosby, Advertising Department, and

## DRIVE THE OLIVER "70"—STEP ON THE SELF-STARTER!

You start off as smoothly as in your automobile.

Then ride at ease in the spring-and-hammock seat. Every control is right at your finger tips. The "70" handles like a modern automobile.

The Oliver "70" 6-cylinder engine gets more power from the fuel.

The "70" HC, with its high compression head and special manifold, gets

maximum power and fuel economy from regular gasoline.

The "70" KD, with entirely different head and manifold, gets maximum power and fuel economy from kerosene or No. 1 distillate.

You pick the fuel you want to use, the "70" engine to use it most economically, and you have a tractor with smooth, quiet, 6-cylinder power and real driver

comfort and operating conveniences.

The flow of power to the wheels is steadier. There is less lost motion, less jerking and, consequently, more efficient power and longer life for tractor and for tools.

Ask your Oliver Dealer for a demonstration of the Row Crop "70" and its line of real Oliver mounted tools. Or, send the coupon for complete information.

See your Oliver Dealer or check and mail this coupon to Oliver, 1314 Grand Highway, St. Louis, Mo.; Wichita, Kan.; Dodge City, Kan.

Name.....

R.D. .... City..... State.....

<input type="checkbox"/> Row Crop "70" Tractor	<input type="checkbox"/> Plow	<input type="checkbox"/> Corn Planter
<input type="checkbox"/> Standard Row Crop Tractor	<input type="checkbox"/> Harrow	<input type="checkbox"/> Combine
<input type="checkbox"/> 18-28 or 28-44 Tractor	<input type="checkbox"/> Grain Drill	<input type="checkbox"/> Spreader

KF-2-13-37



DRIVE A 2-CYLINDER, A 4-CYLINDER, AND A 6-CYLINDER TRACTOR AND YOU'LL SEE WHY THE OLIVER "70" IS A "6"

# Farm and Home Week Winners Make Outstanding Records

**H**IGHLIGHTS of annual Kansas Farm and Home Week—this week—are announcements of winners of various state-wide honors. Early in the week Kansas Farmer was informed that two Kansans had been granted the degree of Premier Seed Grower by the Kansas Crop Improvement Association. They are W. A. Barger, Garfield, and G. D. Hammond, St. John, both located in South Central Kansas. Only 12 farmers had previously won this honor. Medals were to be presented these men by the Kansas City Chamber of Commerce.

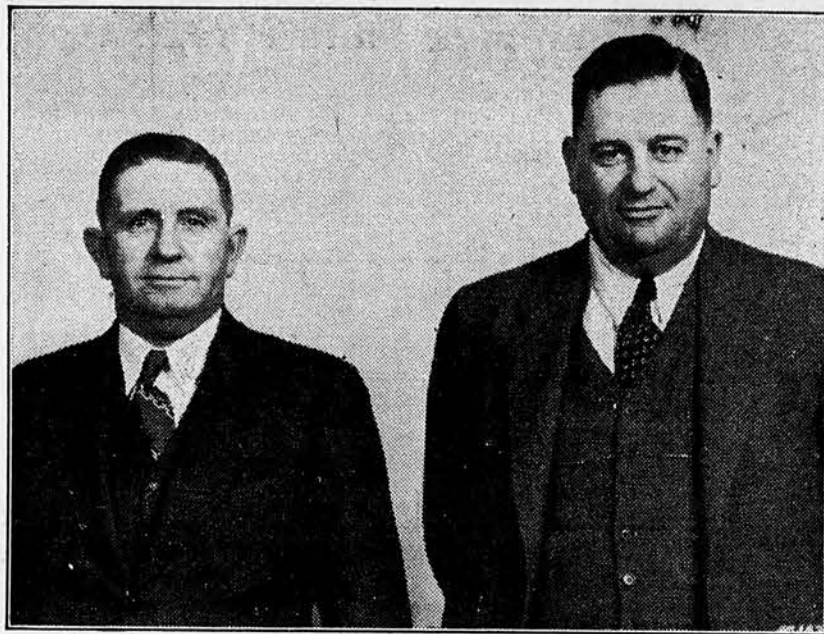
Mr. Barger owns a 1,324-acre farm with 1,210 acres in cultivation. Last year, he produced about 5,000 bushels of certified Blackhull wheat which he handled with his own farm elevator and large power grader. A seed grower for 17 years, Mr. Barger is estimated to have sold more than 40 thousand bushels of seed during the last 10 years. He is a member of the Pawnee county Farm Bureau, Grange and the Kansas Crop Improvement Association, and is president of his local Production Credit Association. He was chosen Kansas Champion Wheat Grower for 1928.

Mr. Hammond started farming in Stafford county in 1916, after spending his early life at an army post. He operates a rented farm of 1,600 acres

with 600 acres in cultivated crops. Last year he produced 1,500 bushels of Tenmarq wheat and 1,000 pounds of Atlas sorgo seed. During the 7 years he has been a seed grower, he has sold more than 20,000 bushels of seed. His Tenmarq wheat, Kansas orange and Atlas sorgo, Wheatland milo and Flynn barley are certified by the Kansas Crop Improvement Association. He is a member of the Stafford County Farm Bureau, South-Central Kansas Farm and Home Management Association, and the Kansas Livestock Association. He is a Kansas Master Farmer of 1934.

Winners of the pasture improvement contest, sponsored by the Kansas City Chamber of Commerce and directed by the College Extension Division of Manhattan, were announced this week. The first place winner was Louis Hodgson, Harveyville, a Kansas Master Farmer, who received \$50 first prize money. Mr. Hodgson did an excellent job of utilizing land of low productivity to produce temporary pasture. He used small grain and legume pasture to save his native grasses, and obtained a greater return from fields than he would have from harvested crops.

The second place winner was Windmoor Farms, Altamont, managed by Carl Francisco. They demonstrated the value of delaying spring grazing of native pasture. D. Lemkuhl, Paola,



W. A. Barger, Garfield, Pawnee county, left, and G. D. Hammond, St. John, Stafford county, were honored by crop improvement farmers of Kansas when they were selected as Premier Seed Growers for 1936, by the Kansas Crop Improvement Association. Mr. Barger grows certified Blackhull wheat and is a former Kansas Wheat Champion. Mr. Hammond produces and certifies Tenmarq wheat, Kansas orange and Atlas, Wheatland, and Flynn barley.

won third place, largely on his removal of brush and weeds from permanent pasture, with greatly increased pasture growth.

Harry W. Griffin, Iola, was fifth and devoted most of his attention to new

seedings of tame grasses. Earl Stewart, Fulton; H. B. Pearis, Lawrence; Beatty Ray, Iola; and Sun Farms, Parsons, all won prizes as they were successful in establishing new stands of grass and legume mixtures. Walter Schoefield, Redfield; W. T. Blincoe, Hiattville; C. A. Payne, Altamont, and W. H. Ling, Iola, demonstrated the valuable effects of removing weeds and brush from their native pastures.

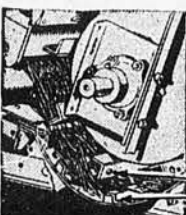
Kansas poultry champions for 1936, announced Tuesday, are Mr. and Mrs. H. H. Moore, Nickerson, Rice county, Record of Performance group; Mr. and Mrs. Chris J. Mall, Clay Center, Certified Flock group; Mr. and Mrs. W. R. Lilliequist, Sawyer, Barber county, Approved group; Mr. and Mrs. H. A. Praeger, Clafin, Barton county, Management champions; and Mr. and Mrs. J. D. Sabin, Burston, Reno county, Brooding champions. Engraved silver

**BE MASTER OF YOUR HARVEST...not its Slave!**

**FULL WIDTH 5-FOOT CYLINDER**  
More than twice the average shelling area. Cut swath goes through in a thin, even blanket—no bunching or choking, no "bottle-neck." Assures better threshing under all conditions.



**OVERSIZE THRESHING REAR**—Approximately twice the separating area per width of cut. Extra straw rack area means more efficient separation, and big capacity. Permits higher speed cutting.

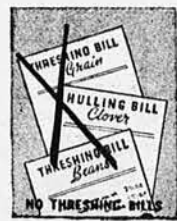


**HANDLES ALL CROPS**  
Threshes over 70 small grain, bean and seed crops. No teeth to change. Variable cylinder speed—with adjustable sheave pulleys. You change from "bird-seed" to beans in a few minutes.  
**RUBBER FACED BAR CYLINDER & CONCAVE**

**LOWER HARVESTING COST**—Records of individual farmers, state experiment station tests, etc., show far lower costs per acre and per bushel with the All-Crop Harvester.

**INDEPENDENCE FROM CUSTOM THRESHING**

You harvest your own crop when grain and weather are right. No waiting for someone else. No threshing or hulling bills. No "trading" work. You "pay yourself" and your 2-plow tractor good wages.



**GREATER RETURNS**—

You get MORE grain. It's cleaner. Saves shattering. Better quality; higher price.



**GREATER EASE AND CONVENIENCE**—One-man, once-over harvest. No "help problem". No feeding extra men. No shucking or threshing. No siege of trading work. Takes the sweat out of both harvest field and kitchen.

**ALL THESE ADVANTAGES AT A PRICE YOU CAN AFFORD TO PAY**



## HARVEST YOUR CROPS WITH THE "Successor to the Binder"

You are your own threshing "crew" with an Allis-Chalmers All-Crop Harvester. You alone can cut and thresh your crop in one low-cost operation . . . with no need of outside help . . . when your grain is at its peak in quality. No twine to buy . . . no shocking to do . . . no threshing bills . . . no gambling on the weather . . . no "trading" work . . . no long hours of cooking by the women folks. Costs are lower . . . just a few cents an acre to operate your two-plow tractor. You turn specialty crops into cash—such as beans, legume crops or grass seed. Five-foot rubber-faced bar cylinder and variable speed feature enable you to harvest more than 70 different crops. Full width 5-foot cylinder and oversize threshing rear assure big capacity and permit higher speed operation. Straw can be picked up and saved—rubber-faced cylinder leaves it unbroken. You get more grain per acre. Investigate this profit opportunity! Somewhere near you is an All-Crop owner. Ask him about it. Send for FREE booklet on All-Crop Harvesting.

### ALLIS-CHALMERS MANUFACTURING COMPANY

Dept. 19, Tractor Division, Milwaukee, Wis.

Gentlemen: Send FREE catalogs on items checked. I farm \_\_\_\_\_ acres.

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| <input type="checkbox"/> 2-Plow Tractor     | <input type="checkbox"/> Track-Type Tractor | <input type="checkbox"/> Implements      |
|   | <input type="checkbox"/> High Speed Plow    | <input type="checkbox"/> Tractor Trailer |

Name \_\_\_\_\_

Town \_\_\_\_\_

R. F. D. \_\_\_\_\_ State \_\_\_\_\_



Louis S. Hodgson, Harveyville, Wabaunsee county, who won the Eastern Kansas Pasture Improvement Contest in 1936. He was honored as a Master Farmer in 1933.

water pitchers and platters were given the winners by the Kansas Poultry Improvement Association.

Mr. and Mrs. Moore entered 250 White Plymouth Rock pullets. Fifty-five, or 22 per cent, met U. S. record of performance requirements. Their average production was 221 eggs with a weight of 25.3 ounces to the dozen. The highest producer laid 282 eggs in a year. Average body weight was 6.59 pounds to the hen.

Certified flock champions, Mr. and Mrs. Mall, have a flock of White Leghorns which has been in improvement work for 10 years. Malls scored 98½ on both management and brooding. Mr. and Mrs. Lilliequist scored 98 on management and 96 on brooding, with their approved flock of White Leghorns. Their equipment includes straw-loft houses and portable brooder houses.

A score of 97½ won the management championship for the Praegers. The White Leghorn flock here is supplementary to a large wheat farm. Mr. Praeger is a member of the state soil conservation committee. The brooding contest winners, Mr. and Mrs. Sabin, have a certified flock of White Plymouth Rocks. They raised 97 per cent of their 508 chicks to 3 weeks old and 84 per cent to 6 months, for a score of 97.

# Now Thieves Can Sing "There's Someone Waiting for Me"

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

WHEN Service Member John P. McClure, R. 1, Havana, wrote to Kansas Farmer recently, to express his thanks for a reward paid for the conviction of a thief who had stolen chickens from his farm, he said, "Your representative, Mr. Murphy, was over last Wednesday and gave us the reward check. We ordered a Night Watch Thief Alarm for the chicken house and always will be ready to help in any way we can to protect farm property against thieves." Mr. McClure is one of the members who is willing to act as a reception committee for any prowlers that may come his way. The reward mentioned was paid for the conviction of Louie Ross and Dee Ross, who were sentenced to terms of 60 days in the Chautauqua county jail.

## Sold Utensils as Junk

It is bad enough to suffer loss of property by theft, but it makes matters even worse when valuable kitchen utensils are not only stolen, but broken up and sold to a junk dealer. Mr. and Mrs. A. E. Wierman, Lyndon, had some experience of that kind recently, when Elwood Fugier, alias W. F. Marsh, took a pressure cooker and other utensils from their farm. A \$25 reward, paid by Kansas Farmer, more than repaid them for their loss.

Fugier will serve an indefinite sentence in the state penitentiary. If prosecution had failed on the first charge, a second perhaps would have been filed, for when Sheriff O. C. Drummond and members of his force made the arrest, they found in Fugier's possession two new check lines, bearing Capper identification mark No. 47CP, which proved to be property of Ralph Parks, R. 4, Eureka. A previous report to the Protective Service of Parks' loss and the Bloodhound Thief Catcher marks on the property paved the way for the sheriff to return the lines to their proper owner.

## Proved a Poor Caretaker

On returning to his farm, after a short vacation, D. J. Rieger, R. 2, Bonner Springs, found that the man whom he had left in charge, had done a poor job in keeping watch over his property.

Several things, including clothing, silverware and other articles were missing. A little detective work, on the part of Mr. Rieger, proved that the caretaker, J. C. Fulton, alias J. C. Eisenhour, was the actual thief. Since Fulton had other crimes to his credit, he has been given a life sentence in the state penitentiary. A Protective Service reward of \$50 all went to Rieger.

## Owner and Thief Met

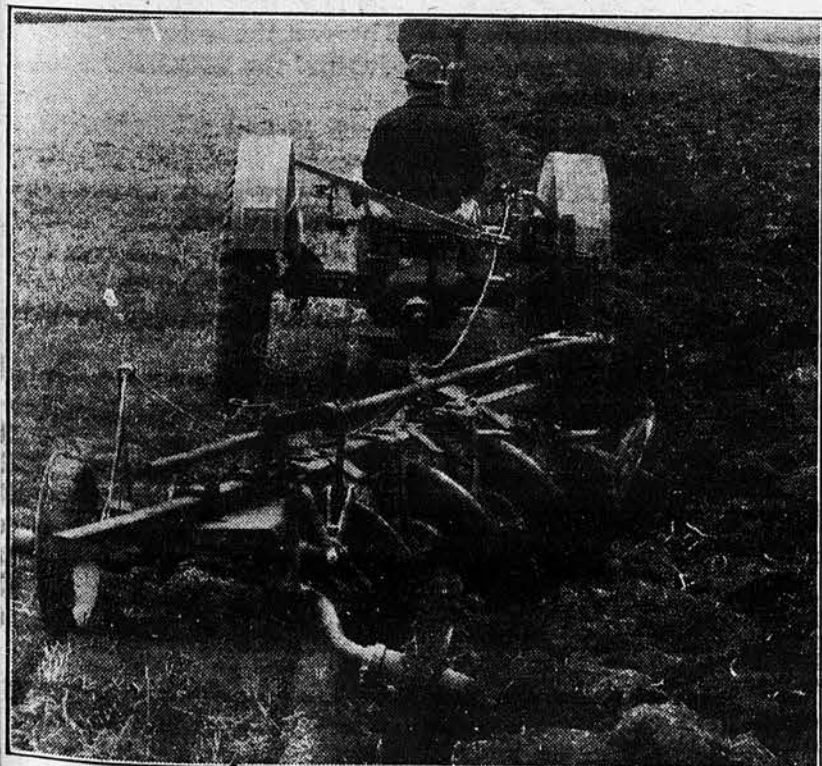
Believing that the man who stole four hogs from his posted farm would perhaps try to turn them into money as soon as possible, J. L. Belveal, R. 2, Vermillion, called on the sheriff of Marshall county to check closely any property listed for a community sale. So well did the owner describe his property, the sheriff had little difficulty in singling it out for closer observation. The fine co-operation between Belveal, the sheriff of Marshall county and Sheriff C. E. Carman of Nemaha county, resulted in the conviction of the thief, Andrew J. Sprague, who will serve an indefinite sentence in the state penitentiary. Kansas Farmer has expressed its appreciation of their efforts by paying a \$25 reward to Belveal, who expressed his intention of sharing it with others, assisting in the arrest and conviction.

## Marketed Stolen Property

Prompt report of a chicken theft on the farm of D. M. Heilman, R. 2, Green, put Sheriff Jim Woods, Clay county, to checking poultry markets. It didn't take him long to find property answering the description Mr. Heilman had given. The poultry dealer, who had purchased the birds in question voluntarily gave a description of the man offering the chickens for sale. In this way, sufficient evidence was procured for the conviction and sentence to the state penitentiary of George Nannings. A Kansas Farmer reward was divided between Sheriff Woods and Service Member Heilman.

To date, Kansas Farmer Protective Service has paid a total of \$24,900 in rewards for the conviction of 985 thieves, who have stolen from posted farms.

## Plowing With an M-M Outfit



HERE is a disk plow pulled by a Twin City Universal "J" tractor, both manufactured by the Minneapolis-Moline Co. This plowing outfit embodies many of the outstanding features of the Moline Wheatland disk plow. It is particularly adapted for hard ground and turns the turf over in furrows like a moldboard. This outfit will be one of several shown at Wichita February 23 to 26.

# \$4,000.00 IN PRIZES 490 CASH AWARDS FOR FARMERS

See the New Goodrich Tires for Tractors and Implements... Then—Just Write Us a Letter

YOU have a chance to win a big prize in this easy contest. There's nothing to buy—nothing to sell. All you have to do to enter is to tell us why you would like to have Goodrich Silvertown Tires on your tractor—or implements—or both.

Any Goodrich dealer will help you to win. He will give you the whole story of Sun-Resisting Rubber—the Goodrich discovery which makes rubber last many times longer when exposed to sun, wind and weather. He will tell you how these tires shorten the day's work, slash fuel bills, pay for themselves in savings. See the Goodrich man today. Get an entry blank. Send your letter in early.

If you do not know the name and address of your nearest Goodrich Tire dealer write Dept. FS-100, The B. F. Goodrich Co., Akron, O.

## You May Easily Win... READ THESE SIMPLE RULES

- 1 Go to any Goodrich dealer and secure from him an official entry blank.
- 2 Write a letter of 100 words or less on the subject "Why I Would Like to Have Goodrich Silvertown Tires on My Farm Equipment" (Tractor or Implements). Letters must be written on the official entry blank.
- 3 No entries will be accepted that bear a postmark later than midnight, March 31, 1937.
- 4 Contest is open only to farmers living in the United States.
- 5 In case of ties, each tying contestant will be awarded the full amount of the prize.
- 6 Mail entries to Silvertown Contest, The B. F. Goodrich Company, Akron, Ohio.
- 7 Employees and dealers of The B. F. Goodrich Company and their families are not eligible to enter the contest.
- 8 Judges will be Kirk Fox, Editor of Successful Farming; Ray Yarnell, Editor of Capper's Farmer; and John F. Cunningham, Dean of the College of Agriculture, Ohio State University. Prizes will be awarded for the most original, unique and appropriate letters. The judges' decision will be final.

\$150,000,000 Worth for 50¢

## Over The Roof of Your Farm Dwelling Drifts 150 Million Dollars Worth of The World's Greatest Entertainment Every Year—Now YOURS for only 50c A Year Power Cost With THE NEW 1937 ZENITH FARM RADIOS NOW AT YOUR DEALER'S

Over 500,000 pleased farmers and ranchers are now enjoying with their Zeniths what you are missing if you haven't radio. You owe it to yourself and children to get it now with a Zenith!

Six months from today you cannot recapture the happiness you and your family have missed in programs of education, comedy, music and drama from the U. S., Europe, South America or the Orient which

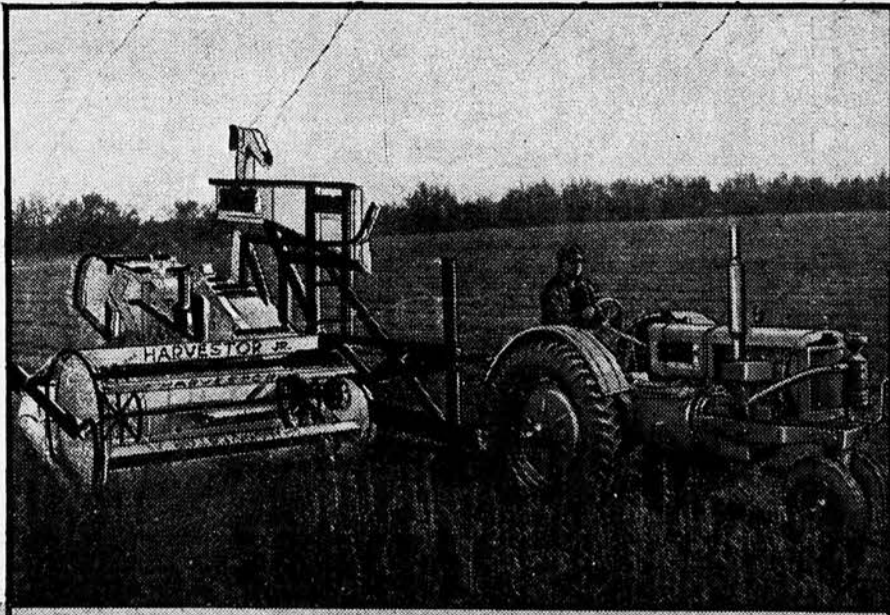
Zenith guarantees—every day or your money back. Today, for 50c a year power cost, it's yours with a Zenith!

See Zenith at Your Dealer's There are 76 different 1937 Zenith models to choose from—from \$24.95 up—among them one that exactly fits your power supply and your pocketbook. If you have no power—see the new 1937 Zeniths with original Wincharger "50c a year power operating cost." If you expect power some day—enjoy a Zenith 6V Farm Radio now, then quickly convert it to power later. If you have power now—examine the Zenith AC sets, always a year ahead. They give more, but cost no more. Have your dealer give you a FREE home demonstration of the Zenith model that fits your power supply. Learn how much you are missing, how much you can get, with a Zenith—America's Most Copied Radio.

ZENITH RADIO CORP., CHICAGO, ILL. For 22 years makers of fine radios

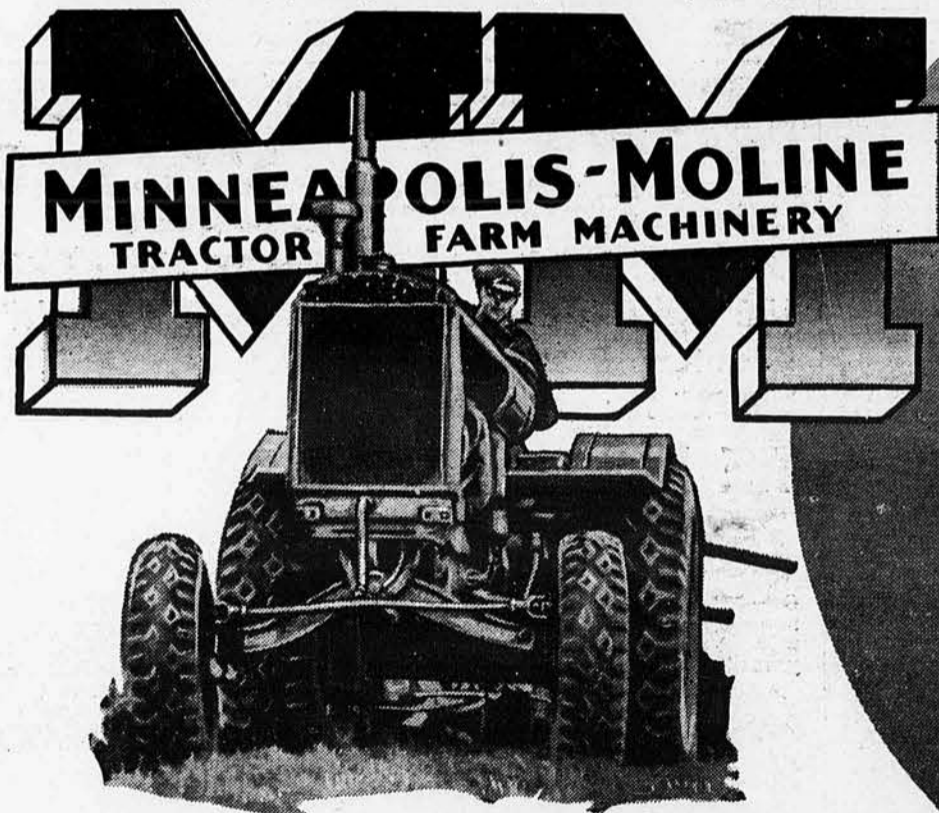


ZENITH  
—LONG DISTANCE—  
FARM RADIO



**ALL THREE HARVESTORS HAVE BIG CAPACITY** — the record of the 12-foot HARVESTOR, as the most popular combine through many tough harvests under many varying crops and conditions is outstanding proof that it leads the field in every way — especially when it comes to saving, cleaning, and handling all crops successfully. Both the 6 and 8-foot HARVESTORS assure the same satisfactory work — experience proves it, and in direct comparison with the 12-foot HARVESTOR, the Junior models both have at least the capacity of a 9-foot cut machine — an extra margin of safety to assure the best possible job for all combining conditions and crops, — that is, the LENGTH of the separating and cleaning mechanism of the 12, 8 and 6-foot HARVESTORS is the same. The widths of the cylinder, straw racks and cleaning shoe of the 6 and 8-foot HARVESTORS are only  $\frac{1}{4}$  less than those of the 12-foot HARVESTOR.

"Twin City had pioneered one of the two first really engineered lines of tractors to appear on the American market, and one of the earliest of these models was still selling a year ago, readily." — Farm Implement News, April 9, 1936.



**THE POWER AND FUEL ECONOMY "RECORD BREAKER"**

The KTA is an unmatched standard tread tractor for all around farm use with 3-4 plow power.

The KTA is built to give owners the lowest cost power every year for more years. OWNERS will tell you it does. It burns both gasoline and distillate efficiently. In 1936 on OFFICIAL TEST the KTA with high compression head using regular priced gasoline broke all records for horsepower and fuel economy for a tractor of its size and type. (High compression is optional.) Greater oil economy is another advantage of high compression.

Heavy duty construction, High Clearance and the most approved M-M method of sealing and filtering to prevent dust and dirt wear are a few more of the KTA features that make it a Champion. Ask for complete facts.



**3 HARVESTORS for 1937**

**THE RECORD** — The 12-foot HARVESTOR is the most popular in its class — a complete sell-out in 1935 — IN 1936 the biggest seller of all combines and again a complete sell-out. IN 1936, increased production, yet during the early 1936 harvest the factory couldn't meet the demand — and AGAIN the BIGGEST SELLER in its class.

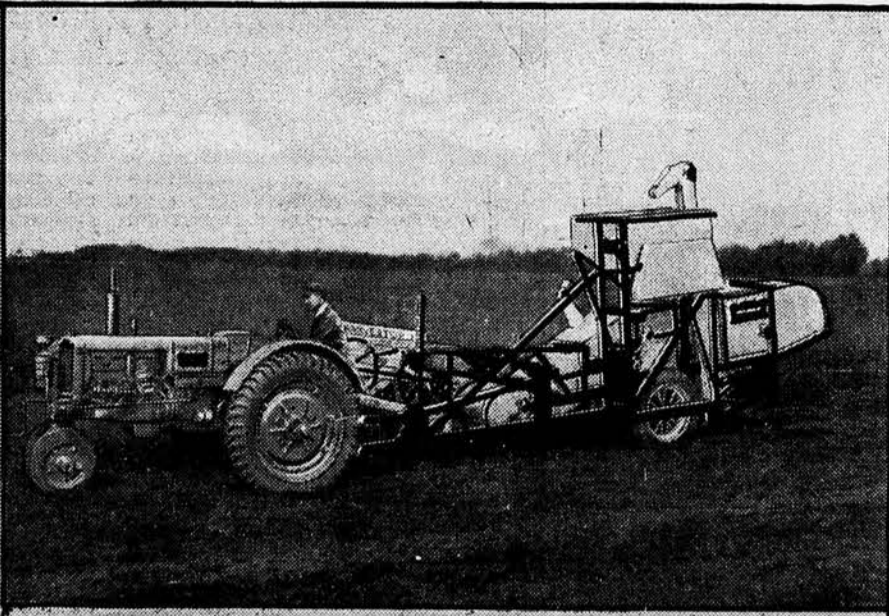
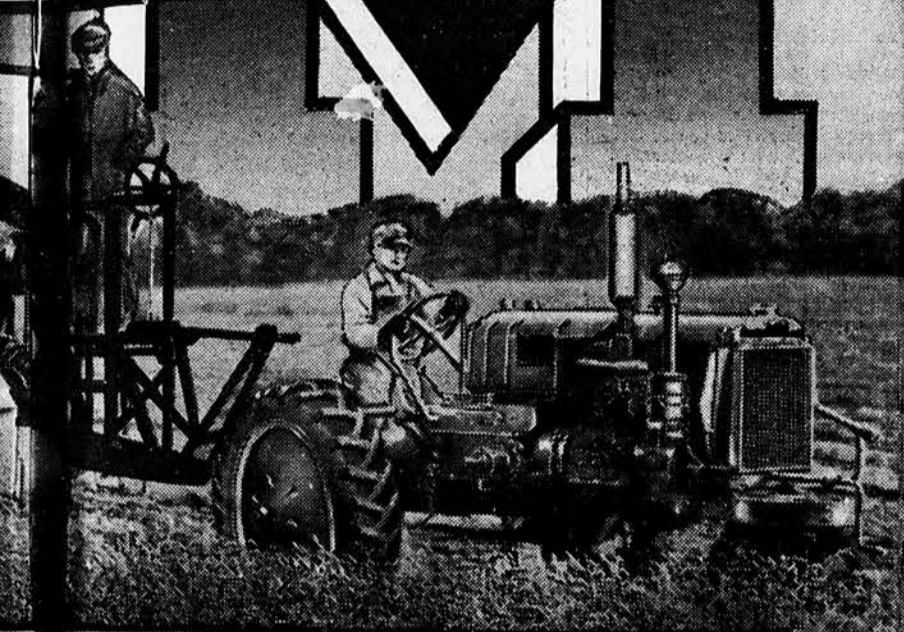
For 1937, the famous 12-foot HARVESTOR offers many new improvements, including a HIGH-U PLATFORM for two-man operation, or one man can handle both tractor and HARVESTOR.

The 2 HARVESTOR JR. models (6-foot and 8-foot) are the same in principle as the famous 12-foot "C HARVESTOR" and have all its advantages over previous combines.

HERE ARE THE features — many patented — SINGLE UNIT ALL-STEEL CONSTRUCTION — all only 2 wheels — makes for lighter draft with full capacity — SCREW JACKS — power — crops within 1 1/2 CONVEYOR with

**MINNEAPOLIS POWER IMPLEMENTS**

# MINNEAPOLIS-MOLINE FARM MACHINERY



## ORDER YOUR HARVESTOR NOW

If you want to harvest your crop most economically, buy a HARVESTOR — 6 ft., 8 ft. or 12 ft. cut — a size to fit your farm and power. Finish the whole harvest in one trip over the field. The HARVESTORS are PROVED — APPROVED and IMPROVED machines with a record of outstanding low cost harvests, plus the proved dependability that everyone demands at HARVEST time. There is nothing experimental about HARVESTOR performance — The sales record of the last three years proves it, and indicates that it will be wise to order early.

Sizes 6 ft. and 8 ft. with Rubber Tires and 1 Man Operation, 12 ft. with Rubber Tires or all-steel wheels and 1 or 2 Man Operation.

6 ft. and 8 ft. with power take-off drive — or ENGINE DRIVE and 12 ft. Cut with ENGINE DRIVE.

Here is what Farm Implement News, Chicago, said about a Twin City tractor — "The tractor that proved that tractor life could be measured in decades rather than in years."

just right, feeds evenly, and last much longer — saves grain and money every year. FULL WIDTH RASP CYLINDER — threshes all the kernels out of the crop without chewing straw and weeds to bits — assures cleaner grain — fully adjustable to suit all conditions and crops. STRAW RACKS — All-steel, full-rotary, full-length, full-width, with a pitching, tossing, grain-saving motion — separates all grain from straw, — inch square holes keep even fine straw on the racks, but let the grain through. SELF-LEVELING CLEANING SHOE assures a better cleaning job regardless of cutting height on rolling as well as level land. LARGE size grain tanks are quickly emptied. FEWER, more simple and better moving parts. ALL roller, ball and bronze bearings — many of the same size for long-life and economy. NO belts or canvases. FEWER drives — and all are roller and high-grade chains.

Smooth operation over fields is assured by large size wheels. Rubber tires on all three models — or if you prefer, you may have steel wheels on the 12-foot.

**SEE US AT THE WICHITA SHOW**

**SEE YOUR M-M DEALER — OR WRITE**

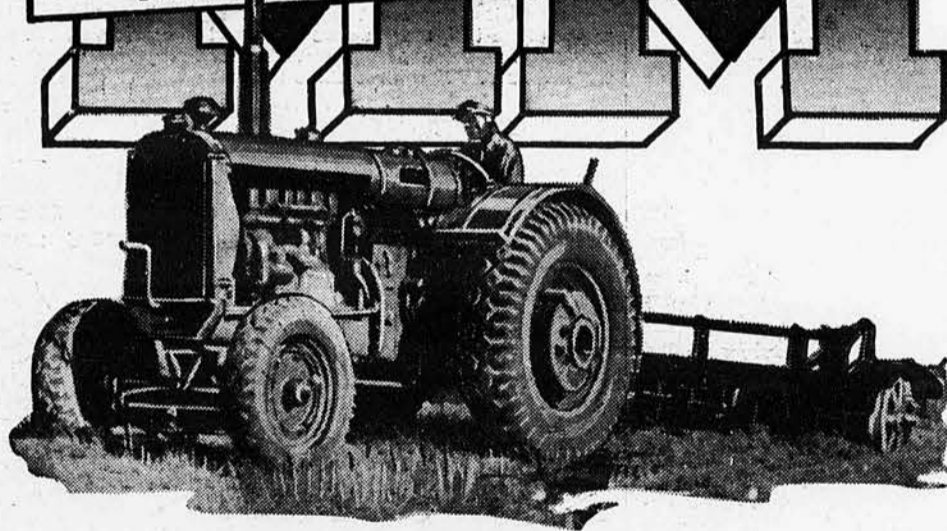
I AM Interested in Buying Machines Checked — No Obligation — Please Send Facts Promptly.

Name.....

P. O..... State.....

- |  |   |
|--|---|
| <input type="checkbox"/> Universal "J" Adjustable Tread, 2-3 Plow Size | <input type="checkbox"/> Grain Drill            |
| <input type="checkbox"/> Universal "M" Wide Tread 3-4 Plow Size        | <input type="checkbox"/> Spreader               |
| <input type="checkbox"/> Standard "J", 2-3 Plow Size                   | <input type="checkbox"/> Corn Planter           |
| <input type="checkbox"/> New "KTA", 3-4 Plow Size, High Clearance      | <input type="checkbox"/> 2 Row Corn Husker      |
| <input type="checkbox"/> New FT-A, 4-5 Plow Size                       | <input type="checkbox"/> Disc or Drag Harrow    |
| <input type="checkbox"/> Orchard J, 2-3 Plow Size                      | <input type="checkbox"/> Wheatland Disc Plow    |
| <input type="checkbox"/> Harvester 6, 8 and 12 ft. Cuts                | <input type="checkbox"/> Tractor Plows          |
|  | <input type="checkbox"/> Thresher               |
|  | <input type="checkbox"/> Corn Sheller           |
|  | <input type="checkbox"/> Year Book and Calendar |

# MINNEAPOLIS-MOLINE TRACTORS & FARM MACHINERY



## A RECORD MAKER FOR ECONOMY AND POWER

The M-M FTA tractor is in a class by itself for the farmer who needs a powerful 4-5 plow tractor, with capacity to handle the big threshers, two or three drill hookups, large sized wheatland disc plows, wide cut disc harrows, etc.

You'll like the new FTA because it is so easy on oil and fuel. You can use gasoline, or engine distillate. The patented M-M fuel manifold is the reason.

Its modern design and construction mean longer life with less repair expense. Considered the most perfectly sealed against dust and dirt at all points. Ask for Official facts which prove its performance to be the most economical on fuel and oil — offering at the same time the most power for the least money in its class, and long life a matter of record.

# MINNEAPOLIS-MOLINE COMPANY MINNEAPOLIS MINNESOTA



**STORE CHOPPED HAY**  
**SAVE WORK FEED and SPACE**

Use a Letz—chop and store all crops—hay, fodder, ensilage—mixed feeds. Cut your feed handling, preparing, storing, and feeding costs.

Use the new Letz as a feed combine—save exchanging labor. Store three times the hay. Feed with scoop shovel. Save feeding time. Patented "Crawler-Type" Finger Feed. New—only Letz has it. A beater-type drum with moving fingers. Fully automatic—no clogging—doubles capacity. Patented grain separator.

**Money-Making, Labor-Saving Performance You Find Only in a Letz**

Chops, stores any hay • Chops, stores sheaf oats Cuts better ensilage • Chops and stores fodder Separates beans and corn • Makes mixed feed Grinds grain uniformly

Send for, "CHOPPING HAY PAYS!"  
**LETTZ** PAYS FOR ITSELF THE FIRST YEAR USED

**MAIL THIS COUPON.**  
THE LETZ MFG. CO.  
241 East Road, Crown Point, Indiana  
Send Catalog and "Chopping Hay Pays."  
Name.....  
Address.....  
I feed .....  
..... cows..... steers..... sheep..... hogs  
 Check if demonstration wanted

To see the LETZ Visit the John Deere Exhibit Western Tractor and Power Equipment Show, Wichita, February 23rd to 26th, inclusive

**Tell the Advertiser . . .**  
that you are writing him because you saw his advertisement in the Kansas Farmer.



**"EGG MONEY" PAID FOR THIS WONDERFUL NU-WOOD BEAUTY!**

Yesterday, it was a shabby, unattractive room—but look at it now! Richly textured, softly colored Nu-Wood was applied right over the old wall and ceiling surfaces, bringing marvelous new beauty that will last through the years. Yet the cost was so low that "egg money" will easily pay it!

Available in a variety of colors and in many forms, Nu-Wood provides an individual choice of pattern combinations. But Nu-Wood gives you far more than decoration! It is a highly efficient insulating material—cutting your fuel costs in winter, and making your home more comfortable in summer. And besides, Nu-Wood quiets noise.

Application of Nu-Wood requires no special skill. The work can be done in spare time, without disrupting household routine. Decide NOW to transform your farm home with Nu-Wood—the coupon will bring you a wealth of information.

**NU-WOOD—THE INSULATING INTERIOR FINISH**

**WOOD CONVERSION COMPANY**  
Rm. 171, 1st National Bank Bldg., St. Paul, Minn.  
I want to know how Nu-Wood will help me make my home more beautiful and more comfortable. Please send me full information.  
I am especially interested in  
 remodeling  
 new construction  
Name.....  
Address.....

**That First Tractor of Mine**

(Continued from Page 8)

accuracy of these figures, but they are close enough for the purpose of this story. There was a little gadget up on top of the water hopper which was supposed to release the compression. I believe that it held one of the valves open until the engine began firing. It did well enough for a few days, but gradually it became less and less efficient until finally it ceased to function at all, and after that I had to do a regular job of steeply-climbing every time I wanted to start the engine.

I had to climb up onto the lowest spoke of the flywheel and start it coming my way, then jump up the next spoke and so on until she fired. If I was lucky, I was only thrown 8 or 10 feet when the engine started and for the most part, I was pretty lucky. Only once was I badly hurt. That time I undertook to climb the flywheel with muddy shoes and when the engine fired the first time, instead of being given the customary toss of 10 feet which I expected, my foot slipped in between the spokes and the frame, and when I finally got untangled, I found that every bone in the instep was smashed. However, I managed to get into town a few days later where a local practitioner, with the aid of a roll of friction tape, bound up the foot and no damage of a permanent nature resulted. It took a brave soul with plenty of the blood of pioneers in his veins to operate that tractor—or else it took an awful fool. I've leaned first toward one theory and then toward the other for the last 20 years and the latter seems to have the majority of votes cast.

**How It Would Steam!**

But the transmission of power and the difficulty in starting were not the only faults that could be found on that tractor. Perish the thought. Of course, 20 years is a long time and no doubt some of the minor shortcomings escape me now. But among them I recall the cooling system which consisted of a large cast-iron box into which the cylinder was cast. This held about a barrel of water—but not for long. Under a heavy load the engine used up about four times as much water as fuel and it certainly used plenty of fuel. On a warm day that tractor used to throw out a cloud of steam second to no steam engine I ever have seen, and when working on plowed ground the hot water used to slop out of the hopper in such quantities that more than once I was scalded to a bright turkey red across the legs and on the neck and arms.

This abnormal water requirement was in itself a problem to me because it was nearly 3 miles to the Big Horn river, and it was almost the same distance down to water in case I wanted to dig a well. I figured that out of every 10 barrels of water that came on that

farm, at least 9 went off in steam from that tractor.

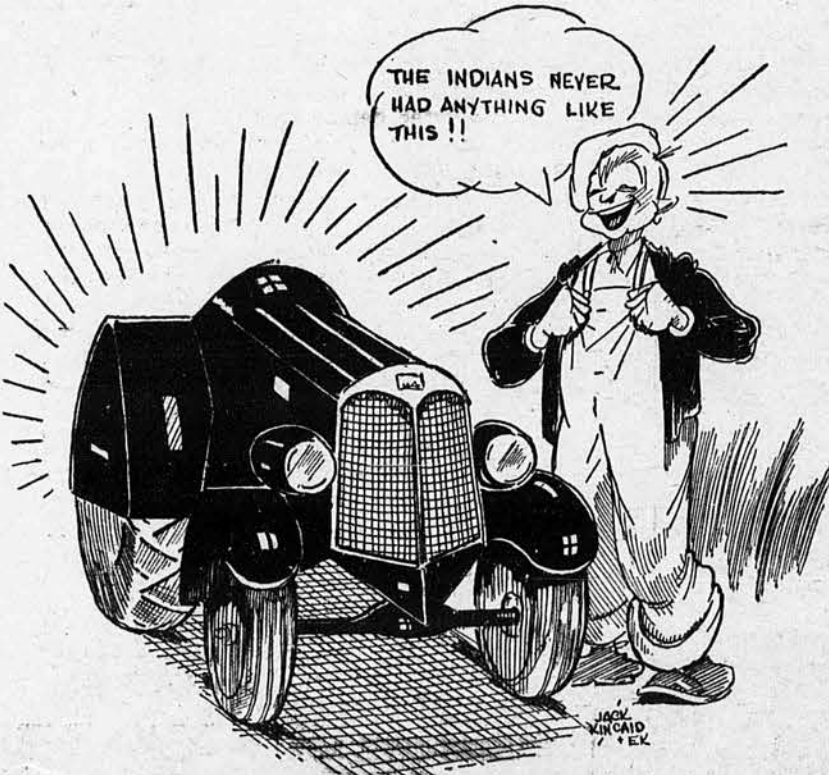
As I look at some of these present-day tractors I marvel at the imagination which the designers of my machine must have had. The lubrication system on mine was a honey. It consisted of a little metal box or tank which held a gallon of oil—and it had to be a very special oil, too, so they told me. One which cost me about three times what ordinary oil would have cost and it was pumped to two or three points and sucked from the main bearings into the crank-case and thence to the drive chain by drainage, at first; later it simply annointed the soil as we rolled merrily along over the boundless prairie.

**Unique Lubrication System**

The system for lubricating the connecting rod bearing was most unique of all. A hole had been drilled diagonally from the center of the crank pin, thru the crankshaft to an oiling ring which was attached just inside the fly-wheel bearing. This ring was grooved on the inside and as the crankshaft turned, a certain amount of oil collected inside this grooved ring and centrifugal force was supposed to throw it back thru this drilled duct and out into the connecting rod bearing. I say it was "supposed" to do this, and it did, so long as the groove in the ring was kept clean and free from dirt.

However, one day in the field would see enough dust and grime sucked into the crankcase to more than fill this groove and a daily cleaning was required to keep the thing clear. I first discovered this one afternoon before the tractor was 2 weeks old when, after going into heavy labor on an up-grade, there developed a most terrific pounding and crashing of something inside the crankcase. I shut her down as quickly as possible and ran for my life until she stopped. Upon timidly returning to the scene of carnage and opening up the inspection hole, I was greeted by an astonishing sight. The entire interior was delightfully decorated with splashes of melted metal, all nice and shiny—the remains of what had been my connecting rod bearing. The cap and the stud-bolts were bent and twisted almost into knots, and when I say that those two bearing bolts were of solid steel, an inch or more in diameter and at least 9 inches long, you need not wonder when I tell you that it took me 2 days of heart-breaking toil to pound them out and get the remains of the connecting rod out—working as I had to, thru a little 6-inch inspection hole. They made things nice and handy on those models.

I clearly recall this particular experience. In fact it stands out in my memory like a sore thumb. The day that I  
(Continued on Page 27)



Here's the contrast today—rubber-tired and streamlined tractor just like a motor car with power to burn!

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**50%**

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With **NITRAGIN** you eliminate gamble. **NITRAGIN** has been bred up by 38 years of scientific selection . . . proved by 38 years of practical farm use. It's the original tested, branded and dated inoculant—billions of bacteria packed in every can. Sold by leading seed dealers or sent from factory. Don't accept substitutes—insist on **NITRAGIN**.

THE NITRAGIN CO., INC., 3708 N. BOOTH ST. MILWAUKEE, WIS.



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Best varieties. Highest quality. Fully tested. Guaranteed to grow. Enough for a good home garden. Burpee's Seedling Green Pod Beans; Inter-State's Early Sweet Peas; Improved Detroit Dark Red Beans; Greeny Egyptian Beans; Improved Chautauque Carrots; Golden Ace Cabbage; Chicago Pickle Cucumber; Improved Long Green Cucumber; Black Seeded Simpson Lettuce; Early Friseland Lettuce; Heilow Crown Parsnips; Moss Curled Parsnips; Early Scarlet Globe Radish; New Essex Radish; White Icicle Radish; New Zealand Spinach; Certified Rutgers' Tomatoes. All for only 50¢ Postpaid. (Reg. Price \$1.00.) Order now!

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# Doing Our Work With Tractors Almost Always Proves Cheaper

HENRY HATCH  
Jayhawker Farm, Gridley, Kansas

TRACTORS have been a part of this farm since the first successful machines were in use. Tractor building has undergone a wonderful change in this time. So has our method of farming. Looking back over these years, I can see that changes we have made have been largely a result of changes in tractor building. Starting with the earlier type of machine, its field work was confined to plowing, disking and occasionally pulling the harrow. We immediately had plenty of belt work for it to do, such as threshing, grinding feed and sawing wood. It was still necessary to keep almost the same number of horses, for row crops always have occupied the greater per cent of our plowed acreage. When the first successful tractor built for all farm work was on the market, we were not long in making a shift. We now have two such tractors.

## We Give Machinery Good Care

The new generation of folks on this farm has grown up with tractor progress. The older son began driving a tractor when 12 years old, the other son followed at the same age, and there are times, when necessary to push the harvesting of wheat and oats, when the oldest daughter takes a regular shift at the tractor wheel. This experience has made tractor mechanics of both young men, and being tractor mechanics they likewise are mechanics along all lines necessary on the farm. This education alone is worth a lot to them as modern day farmers. When necessary to make a repair or overhaul, they are competent to do so, from magneto to motor to differential. When the first tractor came on the farm, we were determined to care for it exactly as its manufacturer recommended. This always has been done. Greasing is a job never neglected, and an hourly check on oil used in the motor never is forgotten.

## A Successful First Trial

I remember well the first time we tried using a tractor on a grain binder. The weather was hot. Flies were bad and it was necessary to "change" teams often to make even slow progress. Grain was ripening rapidly—we were not keeping up with it. A stub pole was hurriedly sawed and bolted into the tongue trucks and the tractor hooked to it. Having some doubts about the tractor proving successful, my brother, Harley, saw that the next four horses on the shift were ready to be hooked up if necessary. Coming around the first time, he was awaiting the decision. Rush Steffey, an old friend of the family who then was working for us, rode the binder. As we came along, Harley appealed to him: "What do you say, Rush, shall I bring out the horses?" "Leave the horses in the barn," replied Rush, "and unharness all of them." Rush was an old horse man, one of the best men with horses I ever knew. But he quickly recognized the new and better power. From that day to this we have not had a horse on a grain binder.

## Greased Better in Less Time

Since then much tractor history has been written, and improvement of other farm machinery has shown almost equal progress. Gears have been covered more, and in many cases are run in a constant bath of grease or oil. The old tin oil can, with its uncertain spout that crumpled over the first time you accidentally swung your foot against it, and which needed cleaning with a stiff straw before feebly "giving down," is a thing of the past with the modern machine. Instead, pressure greasing, quickly done with two or three punches of the grease gun, does the job thoroughly, forcing the grease in and dirt out. It is not so difficult as you might think to equip an old machine with this new and better greasing system, especially if the old turn-down grease cups are used. It may be necessary to use reducer or increaser bushings to match the new fittings, but they are inexpensive. Two years ago we replaced every turn-down cup

on the farm with pressure greasers—and what a wonderful improvement it has been! The thresher separator now can be greased in less than half the time and the greasing is twice as efficient.

## Would Need a Dozen Horses

As we have moved on thru the all too swiftly passing years, our tractor work has increased. The need for horses, as stated, has decreased. It never has been a case of do-it-with-the-tractor-regardless-of-cost with us; always, the financial part of it is considered at every angle, and almost always doing it with a tractor proves the cheaper. If all farm work now done by tractors on this farm was done by horses, the least number we could get by with would be 12. This would mean keeping a hired man thru most of the year. None is needed with the tractors. There have been few times in recent years when feed for the horses was less than the fuel cost for the tractors, and all the time when oats sell for more

than 35 cents a bushel and corn above 65 cents, fuel for the tractors has been cheaper than grain for the horses. Tractors will not reproduce as will horses, but since the cost of production remains so near the selling price when broken to the harness, there is little chance for fortunes in horse breeding.

## Two Most Prized Machines

Two of our most prized tractor-operated machines not as yet found on many farms is the tractor mower and the hook-on-in-front buzz saw. With 7-foot bar, running in high, it is but an 8 o'clock in the morning until 12 at noon job to put in the swath 10 acres of alfalfa with this mower. For cost of operation and durability, it has any horse-drawn mower beaten from start to finish. We used to keep two 6-foot, horse-drawn mowers in service on this farm, and the average prairie grass cutting life never was more than 5 years, for the acreage we cut each year. We already have had 8 seasons of service from our tractor mower, and we have cut a greater acreage every year with it than we used to with the horses, still it seems equal to 3 or 4 more years use. With good bearings all around and its simple power drive from the tractor, really all there is to wear is on the cutter-bar. As to the buzz saw, the boys always say that is almost too good to be true. Off or on in 3 minutes, it goes where the tractor

goes; you drive up to the log instead of having to pull the log to it, and it will make into stove length all the wood a half-dozen men can put before it.

## Our Silage Costs Less

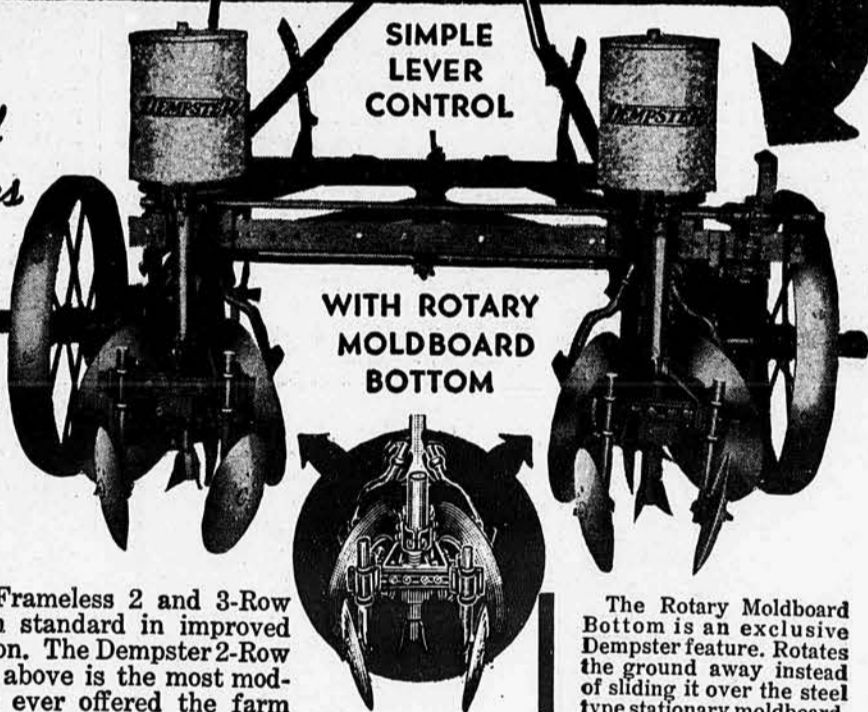
The average number of cattle carried on this farm is from 100 to 150. We have two silos, and in the filling of these our two tractors help to cheapen and speed the job. One runs the cutter, the other the two-row binder, a power-driven machine which has given us 2 years of virtually trouble-free service. As light as the corn was last year, Ira kept 4 and 5 wagons supplied with bundles and sharpened the cutter knives, besides. Twenty acres a day is no big run for the 2-row power binder, and with gears enclosed and running in oil bath, the gathering chains of the steel roller type, it would seem as if here, as in the case of the mower, is a long step in advance in building a more durable machine, one that reduces cost of operation to the acre over many years. For the silo owner, it just fits his needs, taking the place of from 3 to 5 horse-drawn binders as they usually are operated. With this number of cattle, there is much manure to be hauled. Tractors pull our spreaders, doing the work more rapidly and going places where horses could scarcely go, especially so in recent weeks with our ice-covered fields, when 10 acres were covered that would have been impossible with horses.

# See These **DEMPSTER LISTERS** 2 ROW and 3 ROW FRAME AND FRAMELESS

★ Meet Every Demand in All Lister Territories

★ Always Plant Correctly at a Uniform Depth

★ Exceptionally Light Draft!



DEMPSTER Frame and Frameless 2 and 3-Row LISTERS set a new high standard in improved design and efficient operation. The Dempster 2-Row Frameless Lister pictured above is the most modern, up-to-date corn lister ever offered the farm trade. It meets every two-row lister demand created by tractor power on farms in this territory—and gives you uniform, correct planting under all conditions.

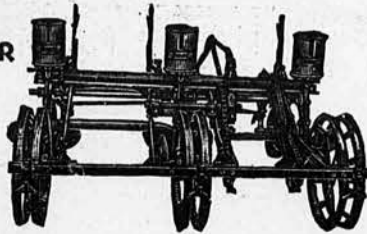
Simple, improved construction, together with rotary moldboard feature, makes it one of the lightest draft machines on the market. Lever control for leveling or depth. Regulation of depth carries a wide range; lister bottoms seek penetrating depth to exactly meet requirements of this territory.

Perfect Planting with Less Time and Less Work—Positive direct drive seeding attachment. Center bearing seed plate driven with a heavy pinion and ring gear by a single shaft drive. Beams are adjustable from 36 to 42 in. in width. Spring tension lever control

**DEMPSTER FRAME TYPE 2-ROW LISTER** —Depth regulation device to meet difficult soil conditions. Beams and bottoms operate independently of frame. Simple and positive seeding attachment. Power lift raises or lowers bottoms by one-half turn of power lift shaft. Auto-type front truck for square turn. Can be equipped with ridge-splitting attachment, also with Rotary Moldboard Bottom for either hard or loose ground.

## DEMPSTER FRAME TYPE 3-ROW LISTER

Note the three large packer wheels. The rims pack the soil in the seed furrow, which holds the moisture. Open space between rims leaves soil loose on top so young plants can easily break through. Power lift raises and lowers bottoms, independently of main frame. Depth of bottoms easily and quickly changed with worm depth adjuster by the driver of the tractor. Continuous, rigid frame. The greatest labor saver ever offered the corn planter. Made in two models—adjustable for 40 and 42-inch rows or 44 and 46-inch rows.



The Rotary Moldboard Bottom is an exclusive Dempster feature. Rotates the ground away instead of sliding it over the steel type stationary moldboard. Rotating of soil reduces friction. Leaves a well formed ridge and 14-inch tapered furrow wall—less chance for weeds to grow on edge of furrow—leaves wide furrow bottom free from weed seed; prepares best seed bed you have ever seen. Ideal for either hard or loose ground.

# FREE

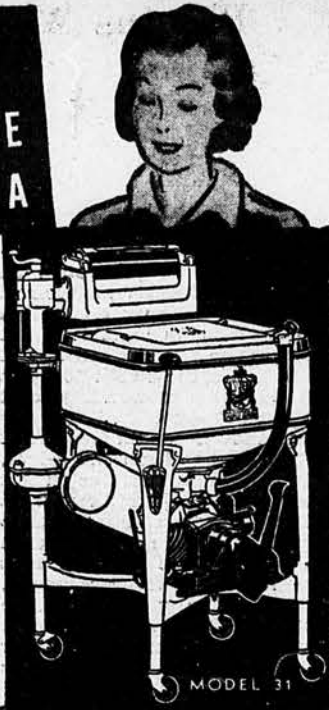
Illustrated literature picturing all the various models and the many superior features of Dempster Listers will be sent you free on request. See these newer, more efficient listers at your nearest Dempster Dealers. Write now for the free literature.

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Save 80%  
OF YOUR WASHING TIME  
AND WORK . . . WITH A  
**MAYTAG**

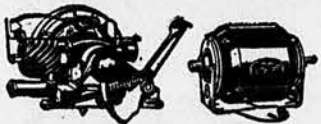
● Make your big washing a matter of an hour or two—save time, save clothes, save your strength. A Maytag will give you such washing service as no other washer can, because only the Maytag has the one-piece, cast-aluminum tub, with counter-sunk Gyra-tator. Only the Maytag has the Roller Water Remover, with enclosed, self-reversing drain, and a score of other advantages.

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It identifies you and insures prompt service.



**TELEPHONE  
LOCATES  
MARKET**

"After separating my chicks, I had about 250 good broilers which I retailed almost entirely by telephone," writes a New York State farm woman.

If you produce something better than average, use the telephone to find a market. There is always some one who is willing to pay for quality—the telephone will find that person.

If you want advice from the county agent, a neighbor to help you, a part for a machine, the telephone will save time.

If you just want to talk to some one, the telephone will connect you. If something happens and you need doctor or veterinarian, the telephone will quickly deliver your message. Day and night, the telephone is ready to help.



**BELL TELEPHONE  
SYSTEM**

**U. S. Farmer Sees Things**

(Continued from Page 10)

human tide when we heard the drone of airplanes.

A number of planes, flying in V formation, passed overhead. They were followed by more and still more until the air seemed filled with the flashing silver wings. We both stood with our necks craned watching them.

My attention was drawn back to earth by the clatter of a street car. Usually the street cars were packed. This one was empty, except for the woman "motorman." As the car tore by me, I noticed that the woman was wearing a gas mask. Then, much to my surprise, I found that the sidewalks were empty. Where 2 moments before there had been a milling mass of humanity there was only the Australian and myself. The only other human being in sight was a policeman at a street intersection a block away. He also was wearing a gas mask.

As the planes passed over they were dropping bombs that landed on the house tops and in the street. There were no explosions; the bombs seemed to burst of their own weight, like a paper sack, to scatter a grayish white powder. I thought that the powder simply marked the hits for this aerial target practice until the Australian started to run toward the hotel, some two blocks distant.

"They are using gas," he yelled as he passed me. Even with the handicap of his head start, I beat him to the hotel doorway by a nose.

**Keep Folks "Gas Minded"**

I was told later that these practice air raids are staged frequently in all of the large cities of Russia. They serve the double purpose of giving the Air Force some target practice and keeping the general population "gas minded." At the first hum of the air squadron's motors, everyone dives into the nearest building. And to keep the populace in the proper state of mind, real gas is being used—probably not the dead gas used in actual warfare but still strong enough to cause acute discomfort to anyone who breathes it.

Having witnessed one air raid I was eager to see the big air demonstration that was soon to be staged in Moscow, and so I ordered my ticket.

On Russian trains a long corridor runs the length of the car with closed compartments, crosswise of the car, opening from the corridor. At night the seats are made up into berths. As there are no curtains, dressing and undressing has to be done in full view of any other occupant of the compartment. And, on account of the quaint old Russian custom of assigning travelers to their sleeping compartments irrespective of sex, night travel on Russian trains is an adventure.

I was late in getting to the train and entered my compartment after the train had rolled away from the station. There, stretched out on the opposite berth, lay the Lady Professor. Altho I tried to make myself agreeable by asking if she still believed in Communism, she maintained the chill silence of the day before.

Next time I will tell of the city of Moscow and a visit to Mr. Lenin—who has been dead for several years.

**Kanota Has 9-Bushel Lead**

Red Texas oats made an average yield of slightly more than 34 bushels an acre on the Claassen Brothers' farm, Potwin, from 1900 to 1922. In 1923, these brothers started growing Kanota oats exclusively. From 1923 to 1936, Kanota oats have made an average yield of slightly more than 41 bushels an acre. Walter Claassen said: "Had we excluded 1929 from the average, when our small grain was virtually a total loss from hail damage, and that portion of our crop that we did have made only 11 bushels, the Kanota average would have been 43 bushels an acre, or a difference of 9 bushels an acre in favor of the Kanota variety."

**Disk Plow for Heavy Soil**

When the soil in Southeastern Kansas gets dry in summer it is difficult to turn with a moldboard plow. Therefore, Arthur Hunter, Parsons, is one of a number of farmers who uses a disk plow to turn it. It is just the tool for tough going. The disks stay sharp for several years.



**Valuable 32-Page Book . . .  
The Key to Richer Soil**

Practical, up-to-date knowledge gathered by noted farm experts and soil chemists. How to grow more humus . . . nitrogen . . . produce bigger crops. Beautiful DeLux edition. Sent Free, postpaid, while they last.

Buy fence with the RED top wire! It means extra thick zinc coating . . . plenty of rust-fighting copper in the steel . . . fence that stretches easily, stays tight.

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**KEYSTONE STEEL  
and WIRE COMPANY**

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FENCE • BARBED  
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**GET YOUR TRACTOR  
AT FACTORY  
PRICE!**

Costs only 3¢  
an hour to run.



**AIR  
TIRES**  
New models  
equipped  
with special  
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**Does Work of Many  
Men!**

Buy direct from factory and save! Famous Shaw Du-All Tractor saves time, labor and money. Dependable. Guaranteed. Just the thing for farms, truck gardens, orchards, nurseries, poultry farms, ranches, estates, golf courses, etc. Plows, harrows, discs, furrows, seeds, cultivates, harvests, mows, rakes and hoes hay, mows lawns, cuts tall weeds, operates washing machines, concrete mixers, wood saws and other belt machinery. Easily operated by woman or boy. Handles adjustable.

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Write for generous offer. Use a 50¢ check for 10 days at our risk. Address nearest office.

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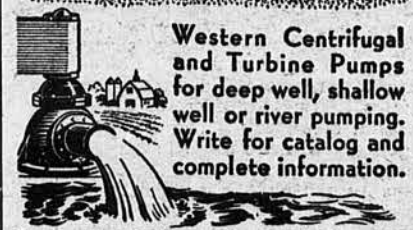
**SHAW DU-ALL TRACTOR**

**Help Kidneys**

Clean Out Poisonous Acids

Your Kidneys contain 9 million tiny tubes or filters which may be endangered by neglect or drastic irritating drugs. Be careful. If functional Kidney or Bladder disorders make you suffer from Getting Up Nights, Nervousness, Loss of Pep, Leg Pains, Rheumatic Pains, Dizziness, Circles Under Eyes, Neuralgia, Acidity, Burning, Smarting or Itching, don't take chances. Get the doctor's guaranteed prescription Cystex, the most modern advanced treatment for these troubles. \$10,000.00 deposited with Bank of America, Los Angeles, California, guarantees that Cystex must bring new vitality in 48 hours and make you feel years younger in one week or money back on return of empty package. Telephone your druggist for guaranteed Cystex (Siss-Text) today.

**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.



# We Are Sure to Get What We Want By Ordering Chicks Early

MRS. HENRY FARNSWORTH

IT ALWAYS seems to me that when we are into February it is time to be getting our plans all settled for our poultry and garden work. If we already have made our plans then it is time to be getting started on those plans. The rural mail boxes are pretty well stuffed these days, too, with the seed catalogs, which looks especially inviting after drouth years. And baby chick catalogs are available for the asking. Look in the advertisements in Kansas Farmer for quality chick leads. Most all the hatchery folks have their catalogs and price lists ready, and if one does not contemplate hatching many chicks himself, but rather intends buying them, it is a good time to do a little reading and studying and decide what he will do later. If it is at all possible orders may well be placed early. It is a help to the one who is trying to supply chicks on the dates his customers wish them. Even if the chicks are not wanted for 2 or 3 months it is a wise precaution to place the order early and take advantage of the discount that usually is given for early booked orders.



Mrs. Farnsworth

let placed in the laying houses there should be three chicks started in the brooder houses. This estimate applies to straight-run chicks and not to the sexed pullet chicks. If the goal is set for 300 pullets then we should start 900 chicks, according to this rule. This will mean on most farms that there must be two ages of chicks started, as most brooder houses are not large enough, nor is it advisable to start that many all together.

### Broilers Ready in May

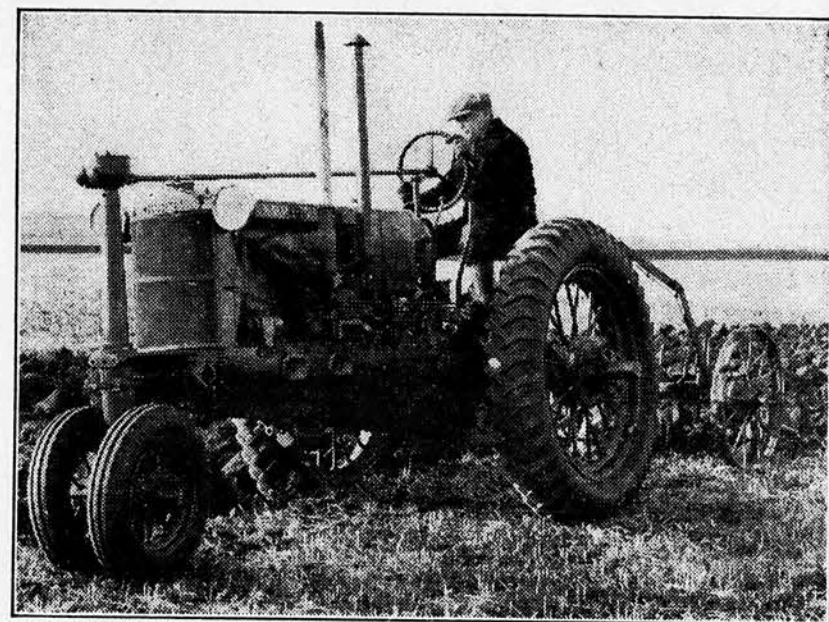
If two brooder houses are available then it may be to one's advantage to have the chicks all one age. This depends upon the location of the houses, whether or not they are movable, and whether the chicks will have to range together. If only one house is to be used for two different ages of chicks then one early bunch must be started, and this would mean March chicks at least, so they could be put in other quarters and make room for the next brood in May. March hatched cockerels should be ready for the broiler market in May, and the pullets could be placed in range shelters about this age, also.

### Keeping a Normal Size Flock

Raising more pullets than really are wanted gives a good chance for making a better selection of the pullets housed. Usually after pullets have started production and have layed thru several months, when spring hatching season comes there always are a few to be culled out for one reason or another. And if one has some reserve pullets to take their places and keep up the number it helps to keep a normal size flock. Quite often there are some pullets that must be rejected from the flock on account of size, or improper

### How Many Shall I Order?

Of course, one must know about how many pullets he desires to house next fall in order to know how many baby chicks to order. He must make his number of chicks fit in the houses in which he intends to brood them. It has been estimated by some leading poultry authorities that for every pul-



THE Massey-Harris complete line will be exhibited at the Wichita Show. The picture above shows one of the Massey-Harris tractors pulling one of the same company's plows.

development, or from bloodtesting, or for some physical disqualification that was not present or noticed in the fall. Long lived fowls that can lay well thru several seasons are coming to mean more as one studies the cost of flock replacement. In some commercial plants especially, this has become a serious problem. So many of the pullets die from one cause or another that it has become necessary to replace the greater part of the flock every year. This is quite expensive.

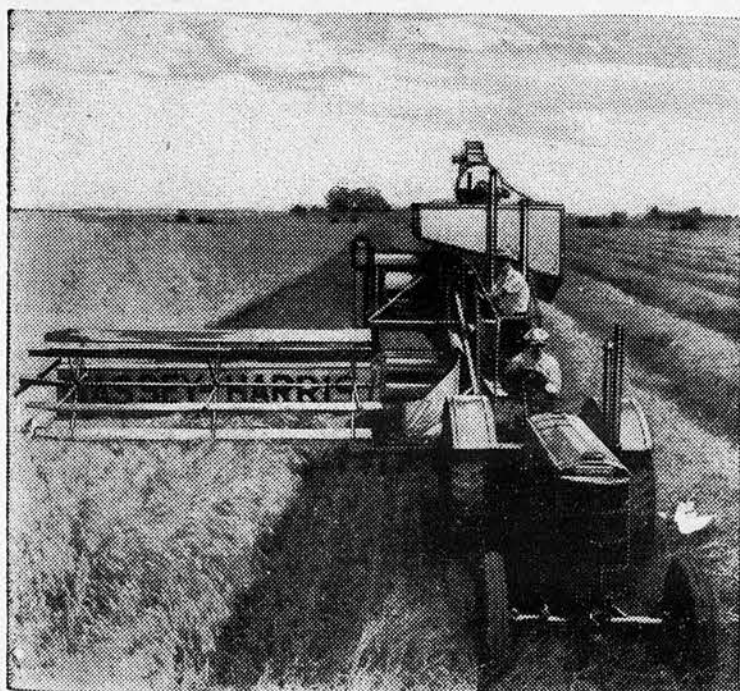
### Tests Prove This Wrong

At first thought we might conclude that this mortality is due to the greater production for which most pullets are

bred and which are pushed for all there is in them to produce. In the zeal to get high powered layers we have bred from the heavy layers that have laid out all the vitality that should have been passed on to their offspring. A glance at some experiments that are being conducted show that usually this is not the cause for heavy mortality. Rather, in the egg laying contests the heaviest losses come from those pens that make the poorest records.

### Buy Them Mixed or Sexed

There also is the question to be settled as to whether to purchase straight-run chicks, or to buy only the  
(Continued on Page 26)



If you can't be present at the Power Show, do the next best thing. Write Dept. K, The Massey-Harris Co., Racine, Wis., for a complete Buyer's Guide—and we'll try to bring part of the show to your farm.

*They'll be seeing you*  
at the **POWER FARM SHOW**

The husky Model 25, the Pacemaker, and Challenger tractors, Massey-Harris Reaper-Threshers, Binders, Mowers, Cutters, Spreaders, Plows—they'll all be there. Here's a grand time to look them over—and have a lot of fun in the bargain.

You'll want to look over the Model 25 with its husky 3-4 plow power—see for yourself the advantages of the steel "U" frame; the patented fuel saving vaporizer that burns gasoline, kerosene or distillate without change of equipment, the triple protected final drive and the host of other features that give the "25" its championship performance record.

And while you're there, investigate the Massey-Harris Reaper-Threshers—learn the advantages of their light weight construction.

No matter what implement you're interested in, there's no finer place to make your comparisons than the Power Show. Stop in for a visit with us—we'll give you our side of the story if you want it.

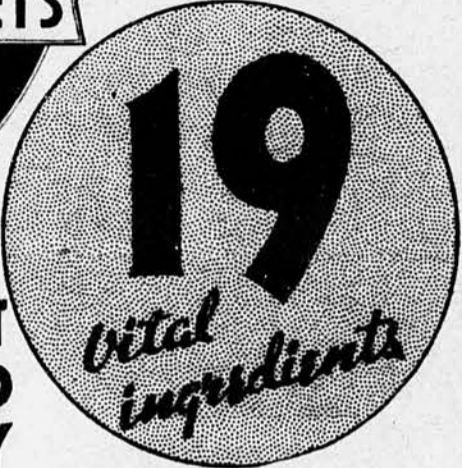


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VICTOR CHICK PELLETS are one of Science's most important advancements in Chick feeds! They are a perfectly balanced ration—that cannot be unbalanced. They will stay fresh longer. They are protection against the spreading of disease. They are more economical. They minimize "feather picking."

Be sure of bigger egg and poultry profits this year—feed VICTOR CHICK PELLETS.

**By Ordering Chicks Early**

(Continued from Page 25)

pullet chicks. If one buys all pullet chicks the initial investment necessarily is more. The greater number of people with whom I have talked still seem to prefer an equal number of cockerels, so there will be some broilers to market, and which cockerels many folks say help pay the feed bill on the pullets. Besides there just needs to be some cockerels for fryers. It all depends again upon equipment and what one intends to do with the flock. But this month is the time to get it all planned out.

While making plans to buy chicks, get the best you can afford. It takes only a few more dollars to get good chicks, and the same amount of feed and care will raise chicks that will produce better. It isn't always so easy to see losses from slow growth, poor feathering and slow maturity, but they are there just the same and taking their toll if the chicks are from poor laying stock, or stock with little vitality. One gets about the quality he pays for usually, be it at the dry goods counter or in purchasing chicks.

**Best Birds for the Purpose**

Which make the best capons, the early-hatched cockerels or the later-hatched ones? Well, it all depends on how one intends to feed, house and market them. Some folks who have capons expect the capon to range for the greater part of its living thru the summer, others expect to keep mash and grain before the capons and push them along. Some poultry raisers must market their capons early, say in November or early December, or else crowd them in with their pullets which doesn't usually pay. Others have a house where they can take the capons thru the winter and market in the early months of the year or at Easter.

If the capons must be marketed in November or December the cockerels should be fairly early-hatched. Again this depends somewhat upon the breed used for capons. The dual purpose breeds, such as the Barred Plymouth Rocks, the Rhode Island Reds, the Wyandottes or Orpingtons will mature in less time than it takes for a Jersey Giant, a Light Brahma or Cochins. It takes time for the birds to mature and put on the actual weight that makes an ideal capon. It depends on whether one intends to market alive or dress them for market as to the variety to select. Most markets prefer a yellow-meated bird.

**The Smartest Way to Market**

The ideal way to market capons is thru special trade of hotels, special meat markets or special customers. Cross-breeds such as the Barred Rock males crossed on Rhode Island Red females probably will be used to quite an extent for capons by many raisers, since this cross gives the barred rock plumage that is so in demand by consumers everywhere as a sign of a high quality table fowl. As the crossing of the purebreds results in rapid growth and greater vitality, it also may be possible to select the best cockerels out of later hatches and still have them ready for the Christmas market. Since the cockerels from May and June hatches usually bring rather a low price as broilers it may be an advantage, where one can take them thru the winter, to caponize and hold for the February or Easter market.

**We Prefer the Giants**

We have used several different breeds for capons but our preference to date has been the White or Black Jersey Giants. Dressed, they make a lovely carcass, the blacks especially having such a rich, yellow skin. This variety can be made to average the 8 pounds in weight, and many of them will go 12 pounds and more.

In selecting cockerels of any breed for caponizing, we found that it paid to select only those that had extra large frames and were outstanding in vigor. It takes a bird of good vitality and size to reach a weight of 10 to 12 pounds. A light-boned broiler never will make a big capon. So better market them as broilers.

In getting capons in good flesh for market we never confine them to small coops. A bird that carries too much soft fat will bruise easily, and since capons are large and heavy they bruise easier than smaller fowls.



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*It's the Ideal Flock Wormer and Tonic!*

Dr. Salsbury's POULTRY HEALTH SERVICE STATION

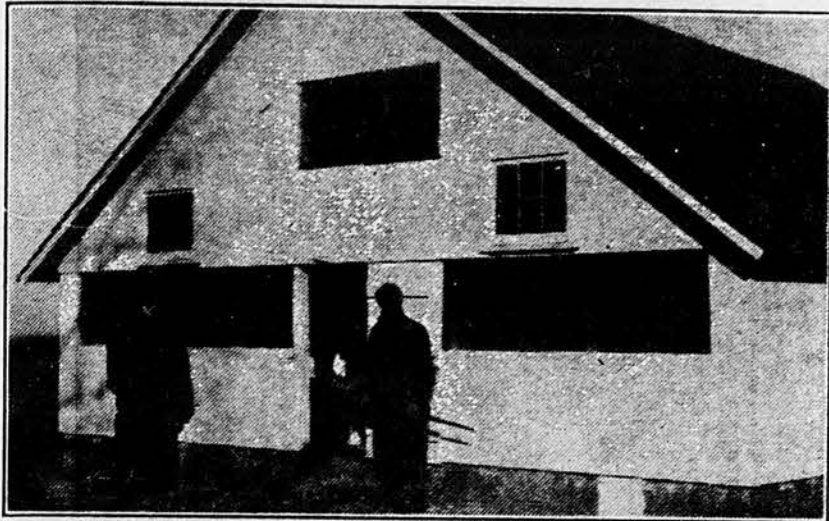
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SEE Our Tractor-Show Exhibit on Silos, Concrete Boards, Blizzard Enslage Cutters. Ask for Rock Bottom prices and literature.

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14th & Santa Fe, Wichita, Kan.

# An Extra Handy Poultry House



Ralph and S. E. McMillen, Earleton, who built this poultry house and included handy left, grain bins and sun windows.

HERE is a Missouri type poultry house, 24 by 30 feet, on the S. E. McMillen farm, Earleton. The small door up toward the gable opens into two grain bins which each hold a load of grain. Mr. McMillen and his son worked out this idea. They simply sloped a tight floor from the top of the two small front windows back and down so it connects with the straw-loft about 10 feet back from the front of the house. Then the compartment above the floor was made tight to hold grain, and divided in the center. Spouts reach down into the house below where grain is taken out. The sloping floor makes nearly all the grain run out. The small front windows are to let sunlight reach farther back into the house than it does thru the screen front.

## Chance for Squab Money

A field which never has seemed to feel the pangs of over-production within its own ranks, and which now offers real opportunity to farm boys and girls, or their mothers and fathers, is that of squab raising. The young of pigeons, when raised from stock bred for eating, is an attractive delicacy in the cities, just as pigeon-pie brought down with a rifle or shotgun is regarded on the farm.

This winter the price range on squabs has been 50 to 60 cents a pound, or from 50 to 75 cents apiece. Extra quality Plymouth Rock Royal squabs have brought as high as 75 to 90 cents apiece. Premiums of as much as 7 cents a pound have been paid for quality. Apparently, there is a real price waiting for the person who wants to pick up extra money raising squabs. If you are interested, Kansas Farmer will help you get more information.

## That First Tractor of Mine

(Continued from Page 22)

went to town for the new bearing to replace the burned one, I rode in on a horse and on the return trip, as I was lazily lolling in the saddle, trying first to ease one side of my bruised anatomy and then the other, my locoed mare gave a sudden tremendous bound clear off the road and into the ditch and then headed for home as rapidly as any rough-going old plow horse could rip. I dropped my package into the dust at the first jump, of course, and when I finally got the mare stopped and returned for the package, there I saw a fine big diamond-backed rattlesnake in the middle of the road sunning himself. My connecting rod bearing lay just a foot or two from the snake and he was in no mind to remove himself, nor was I inclined to argue with him about it. A motor car finally came along and my snake took himself off and I got my parcel.

Another great asset on my tractor was the lug equipment. The machine came equipped with some little cleats about half an inch high, humorously called lugs. They just did afford traction to the tractor itself on dry, level ground. For plowing it was necessary to install heavy steel angle lugs, and half the length of these lugs extended out beyond the rim of the rear wheels. No mud guards were provided and

these lugs could pick up more loam for the wind to blow back into the face of the driver than a steam shovel could excavate in a week. One day, while going over some rocky ground, one of the lug bolts snapped, and before I could stop the thing the wheel turned far enough for the loose lug to get mixed up in the transmission housing and again I was undone.

It seems now, as I look back upon those days, that there was something wrong with my equipment ratio—if not with the equipment itself. I mean the ratio of the number of horses to the amount of mechanical equipment I employed. I had only the one team of mares, but I could never get any use of the team on the farm because that one team was always busy going to town for repairs for my mechanical equipment. But I do not regret my suf-

ferings. It is only thru experience that progress is made in any line. At the time I may have felt that I was carrying a little more than my rightful share of the experiences, but perhaps not. Doubtless many of my readers have fared even worse and to them I extend the right hand of fellowship. I believe that we can rightly claim our share of the glory in which tractor manufacturers today bask thru having profited by our experiences to the point where they are now turning out real tractors and power farming machinery actually designed and engineered to meet a need. Much credit is due these manufacturers and their designing engineers for the progress they have made in present-day tractors as compared to some of the machines with which we coped 2. years or more ago. But I still feel that a little credit is due us for our hardiness and enterprise of those early days in the power farming game.

The manufacturers had the right idea even then. They were on the right track, but, Heaven be praised, a great many of their ideas have been put thru sort of refining process during the intervening years.

## What Improvement Is Next?

When I look at the tractors of today with their adequate lubricating systems; their perfect distribution of weight; their great proportion of engine power now delivered at the drawbar; their beautiful flow of power from wonderfully designed engines; their smooth riding qualities brought about thru the use of rubber tires and all the other remarkable improvements of recent years, it seems a long cry back to the days of which I write, and still it is but a short span. What improvements will the next 20 years bring forth? Judging the future by the past, we can easily imagine that the tractor of 1957 will be quite a machine; for progress will not be halted.

☐ The first fork in America is reported to have been brought by John Winthrop in 1633.



Help protect your chicks against diseases by disinfecting their drinking water with **CHLORWAIDE**, the fine poultry disinfectant and antiseptic. Only 2tablespoonfuls to each gallon of water aids in keeping chicks healthy. Avoid costly chick losses, and safeguard your profits.

**CHLORWAIDE** has many other valuable uses around the farm and for general household sanitation.

**FREE** Valuable booklet on farm, dairy and household sanitation. Full of helpful information you'll use over and over again. WRITE now for your free copy. **FARMAIDE PRODUCTS COMPANY** Dept. K Lincoln, Nebraska

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Works In ALL 3 DANGER ZONES

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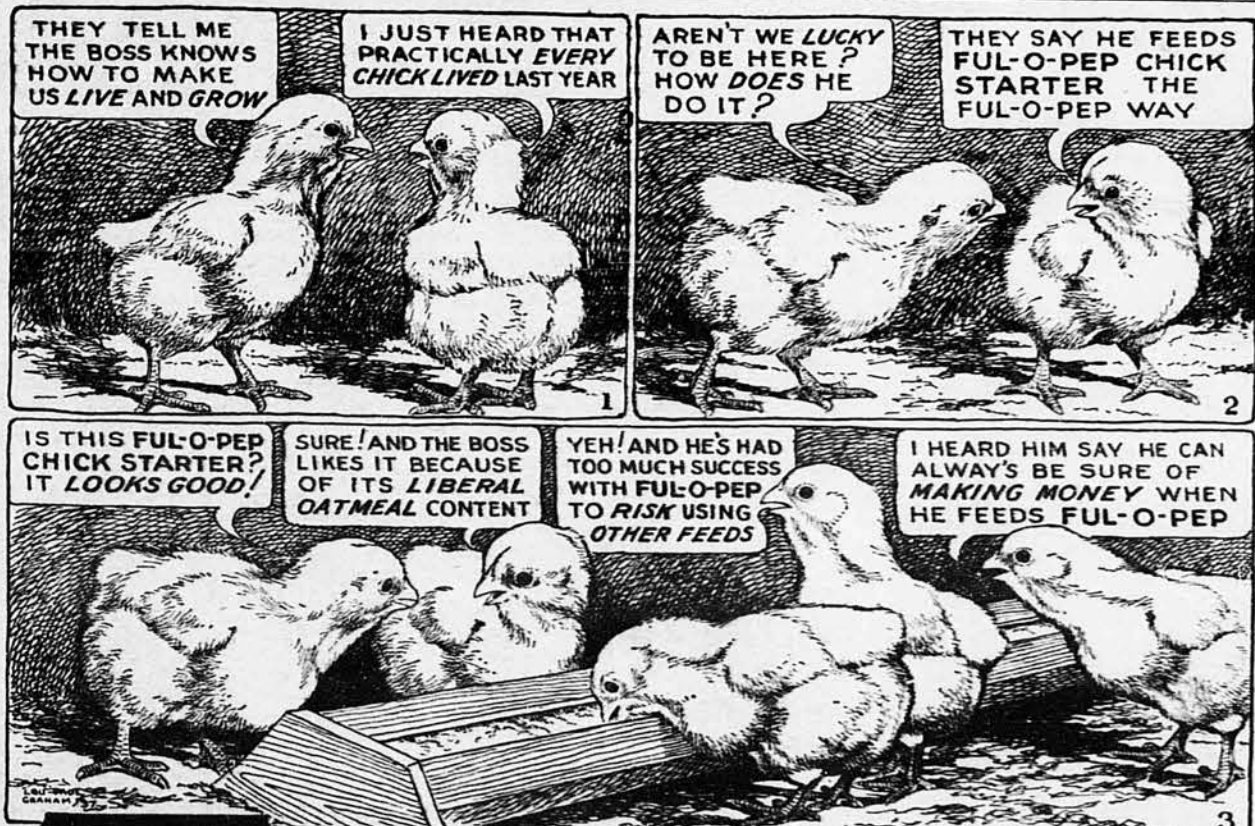
For crop and common bowel disorders, thousands have found Germozone is best. It works in the crop and intestine as well as in the drink. 12-oz. bottle, 75c; 32-oz., \$1.50. At Lee Dealers; or postpaid.

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**Catalog FREE** 1937 Edition; brings you America's best values; dozens of Special Offers on quality Fruit Trees, Berries, Bases, Shrubs, Shade Trees, Evergreens, Perennial Flowers, Bulbs, etc.; illustrated with photographs. Postcard brings 1937 catalog and special offers. **Sent FREE** **NEESHO NURSERIES CO.** 107 Spring St., Neosho, Mo.



There is no better time than right now to determine to raise more and better chicks this year. Plan to raise yours on Ful-O-Pep Feeds.

• Ful-O-Pep Chick Starter not only gives chicks a better start but Ful-O-Pep Growing Mash grows them more evenly and uniformly. These feeds contain lots of oatmeal—the reason why they grow big

framed, well feathered pullets capable of producing plenty of big, sound shelled eggs.

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**Free** NEW 32-PAGE **BOOK**

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# That Kitchen Of Your Dreams

RUTH GOODALL

THE kitchen of the moderate-priced house of the not-too-distant future, so we are assured by the New American Home Committee, will have all-electric equipment from egg beater to cook stove, and air-conditioning to keep it odor-free and cool. This kitchen of the future is to be fitted with streamlined, compact cupboards all shiny with "tailored" white enamel, red accessories and shell-pink walls. The floor will be of black rubber and a lighting system backed with a white metal reflector hung from the ceiling will eliminate glare and shadows.

Sound like the millenium? Nevertheless this word-picture kitchen is the architectural forecast direct from Rockefeller Center, where such a kitchen, with all the rest of the house of like standard, has just been built. Combining comfort and good taste with economy and efficiency, similar kitchens in similar houses soon will be built thruout the country, for, after all, New York is not so far from Kansas highways these times.

## We'll Be Happy With Less

An all-electric kitchen may be a bit too much to ask of the gods this year of 1937—entirely too much to ask of a farmer-husband who has decided that come what may the bank account must be made to pay for a new tractor this spring. Rest assured, tho, our daughters shall know the joys of the usefulness of electricity, and who dares even guess how our daughters' daughters shall be blessed. Anyway it is interesting to gaze ahead into this housewife's paradise, and one need not necessarily possess to be happy. Besides there is much to be desired in the way of household equipment this side of that idealistic kitchen of the future. So this week while the men folks are talking tractors and harrows and milking machines, come along with me while we "mosey thru" the household shops, browsing not over books, nor even linens and laces, but new kitchen gadgets. Surely any of us may have one of the new trick paring knives with forefinger guard when a dime will buy one. There are countless handy little tools—time and labor savers—all dressed up with red, green, yellow and blue handles, to be had over any five-and-ten counter.

"Small fry" maybe, measured by the cost standard of most household

equipment, but "full grown chickens" considering the usefulness and the joy they bring to busy cooks, is the whole family of strainers, brushes and graters, varied so in size as to take care of any task that may arise.

An array of measuring cups and spoons, based on Bureau of Standards measurements, insures accuracy such as brides of yesteryear never knew.

There's a handy fruit juicer that leads a double life—with no shame attached—by becoming a potato ricer at dinner time.

Sandwich cutters and frozen salad and dessert molds lend an air of practical magic to company dinners and party foods.

The practical requirements of every kitchen have been taken care of, too, but so colorful are they that the garbage can and waste basket, the step-ladder stool, the clothes hamper and vegetable bin and even the dish pan

become actors in a real-life drama that has nothing of drabness in it.

What kitchen-minded woman could resist the new pyrexware sauce pan that you can put right on the flame? It has a detachable handle which not only prevents burned fingers, but makes it possible to use the sauce pan in the oven as a baking dish as well as on top of the stove. What is even more of a boon to dish-washers, it is also a nice looking serving dish and can be taken right to the table without any "dishing up."

Have you seen the lifetime stainless steel utensils? There is a tea kettle, and, of course, all sorts of pots to match, even stainless steel stirring and mixing spoons, not to mention knife blades. There are plenty of other new oddly-shaped tea kettles on the market—stream-lined affairs with light wood handles—but for sheer convenience, consider this one before you buy.

It holds five quarts, has an extra broad top that makes it easy to clean, and a bakelite handle that fits the hand. Don't be alarmed! These super-qualities may make it sound as if it came in the millionaire class, but actually it costs no more than a good aluminum kettle.

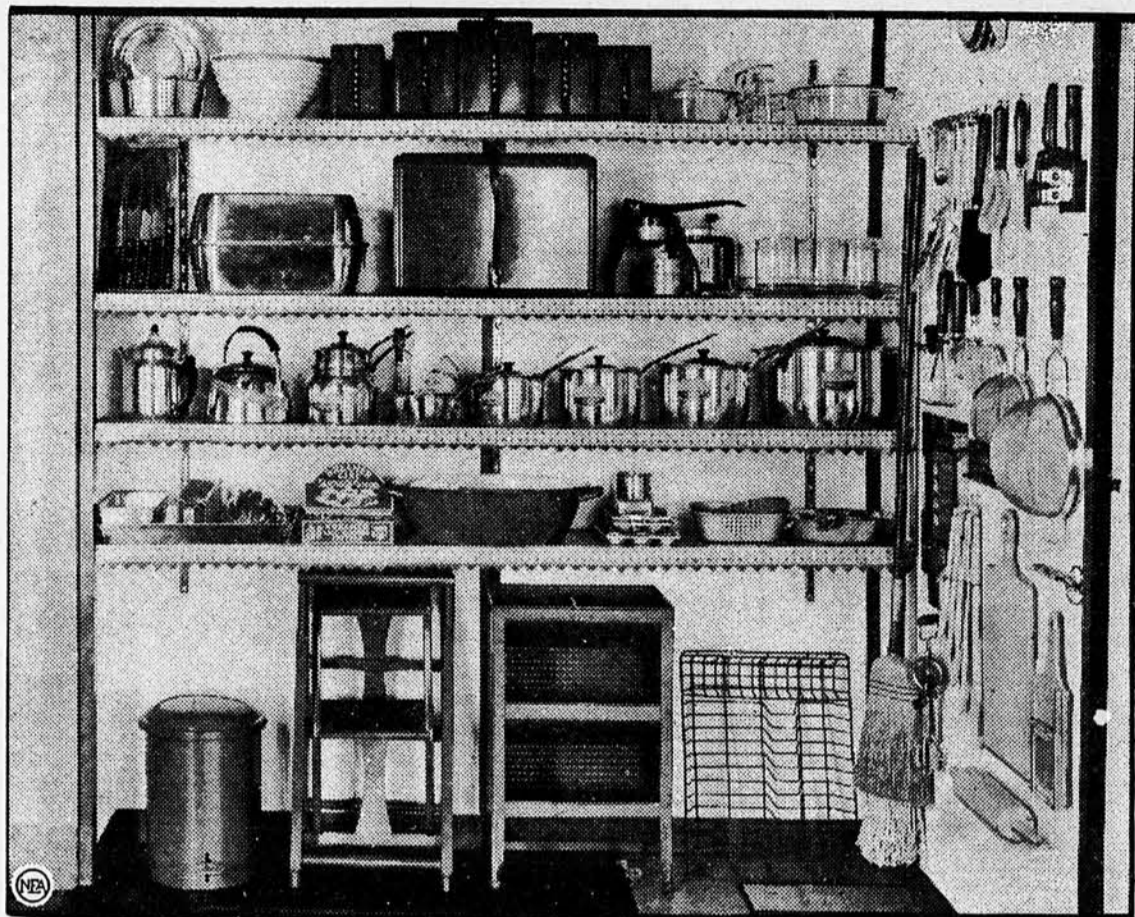
A "two-story" affair is the new cast aluminum casserole that may be double decked or not, being one or two casseroles at will. If it's a big baking dish you need, you have it; if it's two smaller ones, there they are, too.

Salt and sugar and spice containers we've had with us always. New ones of porcelain differ only in that they are prettier. Copied from old Swedish apothecary jars, the white porcelain is trimmed with colored bands. Besides being so decorative they clean easier than the metal ones.

## The Modern Equipment Picture

Nor must we forget the knives and forks in the picture. They are a sort of modern version of the Marie Antoinette flare for simplicity somewhat deluxed. She, it was you will recall, who wanted to know why the Revolutionists didn't eat cake since they had no bread. Remember also how she played at being rustic and rural in her quaint little mill in the palace grounds at Versailles, but did it oh so expensively? Well, these knives and forks "play at" being the old-fashioned wooden-handled kitchen variety. However, their handles are of rosewood, the blades of highly tempered steel, and they harmonize as grandmother's best silver just doesn't seem to do, with the wooden and spun aluminum trays, the colorful pottery dinnerware, the wooden salad bowls and other modern tableware that make up a gay and serviceable part of the 1937 equipment picture. There are other sets of knives and forks with catalin handles which may be had in a cherry red, a delicate green or a pale canary yellow. These are inexpensive, yet look almost like jewels on the table. Fact of the matter, catalin is the very same material which fashions much of our costume jewelry.

Surely the designers and manufacturers have the "kitchen girls" in mind and at heart. The things they have made for us are not only good to look upon but they are practical and easy to use. An effort is being made to simplify kitchen utensils, to use new materials in old forms and to get articles in formerly high-priced materials down to the budget level of the average housewife. Prices of former luxuries have been cut in half or more, which makes them harder to resist than all the eye-charm, comfort and convenience the housewife finds in their possession.



A place for everything and everything in its place—yes, everything needed in a kitchen: pots and pans, canister cans, hamper, roasters, strainers, even a garbage can, and—we didn't plunder the hardware store nor rob the bank to buy 'em!



Streamlining comes into the kitchen—in cupboards, refrigerators, kettles and pans. Glass sauce pans are put right on the flame, spice containers are modeled after Swedish apothecary jars, while old wooden-handled cutlery stages a comeback.





## The Biggest Thing in Growing Beef and Pork

The biggest thing in Growing Beef is a good calf crop, well-grown, and well-finished at an early age; and with swine large strong litters carried forward to earliest market size and finish. . . . That takes good feeding with good feeds.

### Quaker Sugared SCHUMACHER FEED

will do much to accomplish all these ends. Quaker Sugared Schumacher Feed is a blended carbohydrate feed; it is heavy in hominy feed; it carries oats, wheat and corn values; it has needed minerals and iodine; it is both a good growing and good finishing feed; it is easily balanced for special conditions; it will do a good job under many conditions without further supplement.

Quaker Sugared Schumacher Feed either regular or cubed will do a good job for you with your breeding herds and your fattening animals. Its minerals build a frame, its oat values develop a lusty vigor and its variety of carbohydrates put on flesh and finish.

If your feed merchant cannot supply you write or phone us. We will see that you are supplied.

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Dependable  
**POWER**  
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Washday is an easy day for over a half million American farm wives. Modern washing machines — dependably powered by quick-starting Briggs & Stratton 4 cycle gasoline motors, built for women to use — are doing the hard work of washing in less than half the time.

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The E. S. Cowie Electric Co., Amarillo — Wichita — Kansas City

## From a Marketing Viewpoint

HOMER J. HENNEY

(Carrying costs and probable changes in feed costs considered.)

I have 37 head of shoats weighing about 50 pounds apiece. Is it advisable to feed out these pigs or dispose of them now? Corn No. 3 yellow is \$1.26 a bushel; barley 90 cents; tankage \$3.55 a hundredweight.—B. H. H., Fairview, Kan.

About 8 chances out of 10 that it will pay to carry these pigs along as cheaply as possible for 2 or 3 months with the idea of heading for the July-September market. The hog shortage will show up more in the last half of 1937 than in the first half. Business should be better in the last half than in the first half. If May, June and July prices should advance too much, you can sell as shoats and net more than if they were finished by that time on grain at prices you quote. In years when January prices are distinctly higher than November prices, as is the case this year, there is a tendency for there to be no distinct March-April peak but for July-August prices to be 10 to 20 per cent higher than best March-June prices.

What kind of cattle would be the best to buy about grass time? Would it be better to buy a few cows and start a cow herd or buy a few good steers? —R. M., Jefferson, Colo.

About 7 chances out of 10 that a few top quality steers would be better for this year. Your whole letter indicates uncertainty. Cows belong in a long-time beef production program. Higher cattle prices are in prospect for 6 to 10 months. Declining prices are in prospect after the fall of 1937 for 8 to 14 months. It may be that the steers would show the best return until fall and then one could wait until mid-winter to lay in a few good cows at a price probably lower than the asking price this spring. The estimate of the cattle on farms January 1, 1937, which is to be released soon, is likely to show 3 million to 5 million head fewer than the year before.

I have some 800-pound reds and roans that I am roughing along. I wish to buy some calves for summer grazing and feeding next winter. Shall I sell the big steers now and buy calves, keep the big steers and sell in the

spring and buy the calves then, or buy the calves now and sell the big steers by March 15?—A. C. H., Ensign, Kan.

About 8 chances out of 10 that your third program would be the best of the three, and about 9 chances out of 10 that it will net you a return above present values of cattle and feed costs up to March 15. The heavy reds are in a temporary weak spot due to the sharp seasonal breaks on fat cattle. Stocker calves will advance seasonally as soon as open weather comes and wheat pasture can be used. It may be that you would do better to sell off of grass rather than feeding next winter. You should inform yourself about this on August 1, as you may make a greater return or your program as planned by changing the program as crop conditions enter the picture.

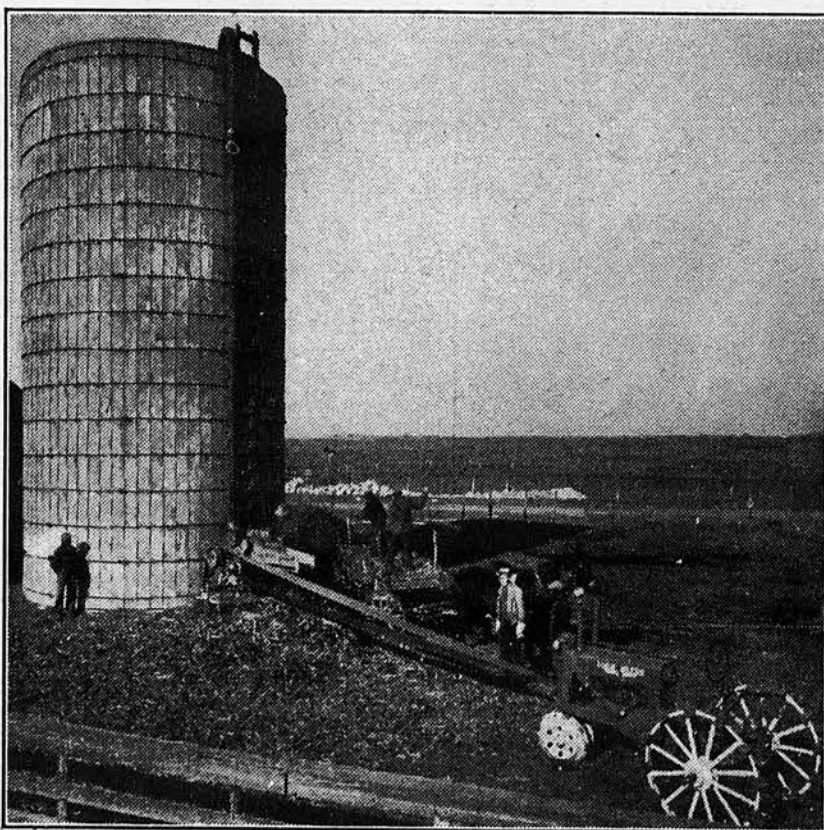
How many hogs will come to market the next 6 months? How many hogs in the United States now compared to one year ago? Some people insist that pork products will be higher 6 months from now. What is your opinion?—J. F., Kansas City, Mo.

About 9 chances out of 10 that there will be fewer market hogs the first half of 1937 than in the first half of 1936. There were more pigs farrowed from June 1, 1936, to December, 1936, than the year before, but many of the pigs farrowed in June and July of 1936 have gone to slaughter. More of those left will be kept for breeding purposes. The government estimate of hogs on farms January 1, 1937, probably will be released by the government before February 15. We are expecting the report to show 2 million to 3 million head fewer than last year. Yes, there is evidence that hog prices will be higher in July, August or September than the best price in January. The late fall pig crop of 1936 was curtailed relatively more than any other supply. This indicates fewer market hogs for the June-August period than for the March-May period.

### Treating Apple Wounds

If an apple tree is broken by winter storms, cut off splinters with a sharp knife or chisel and treat wound with creosote, then give a coat of linseed oil and lead paint. Do not let creosote touch live bark.—Mrs. Cleve Butler.

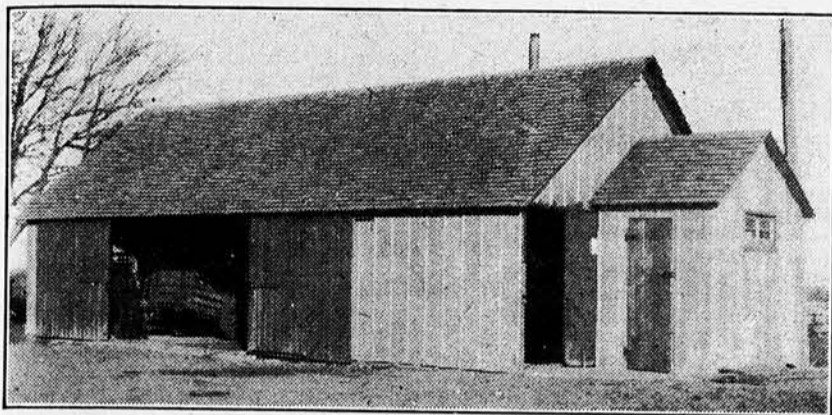
### 100 Tons in Half Day With Letz



THIS No. 330 Letz roughage cutter made this remarkable record on the farm of Weatherford Brothers, Terrell, Texas. Eight wagons were used on a reasonably short haul. The power was supplied by a John Deere tractor. Letz products will be shown at the Wichita Power Show with the Deere exhibit.

# Tractor Power Proves Adapted To Rolling Row-Crop Land

TUDOR CHARLES



Arlie Barger's machine shop, near Garfield, where machinery can be housed in bad weather. It is completely equipped for repair work of all kinds. The addition at the right is an inclosed scale-house and record shelf for sales of seed wheat.

HE HATED to make the change and didn't come to it until he had to. But Emmett Womer, Bellaire, Smith county, is convinced that tractor power is cheaper than using horses. He said he would have had a difficult time getting feed for enough horses to farm his 700 acres of cultivated land the last few years.

His farm is located in the principal corn producing area of Kansas, along the northern border of the state. Tractor power sometimes is not considered adapted to this rolling, row-crop land, but farmers there are proving the contrary. One of Mr. Womer's recent investments in machinery, about which he is enthusiastic, is a deep-furrow, shovel-type drill. This drill also is used as a summer-fallow machine or a weeder.

### Machinery Gets Good Care

Good care is considered of first importance by L. C. Albrecht, Smith Center. One of the latest evidences of this fact is the addition of a well-constructed garage and machinery building to his farmstead. Mr. Albrecht has a new 4-row lister cultivator which he likes especially well. The individual weeders are carried on rollers so they will follow any width row. The machine can be turned short at the ends. Modern grease fittings are used on all of his machinery.

Frank Young, Cheney, has one son, Leroy, who likes to work around machinery. He keeps it all in repair, and will have a modern machine shop to work in when the building now under construction is completed. A Christmas-vacation job for Leroy this winter was to repair the pitman shaft of the fodder binder. Zerk fittings were placed on both bearings to insure rapid and

thorough lubrication at any place, anytime.

Mr. Young's second son, Elton, likes to work horses. This is one reason he keeps a few head of purebred Percherons, including a stallion which is worked in harness every day. But Mr. Young is quick to remark that he can do the work much cheaper with tractor than horse power. His records kept in the Southern Farm Management Association have proved this beyond any shadow of doubt, he said.

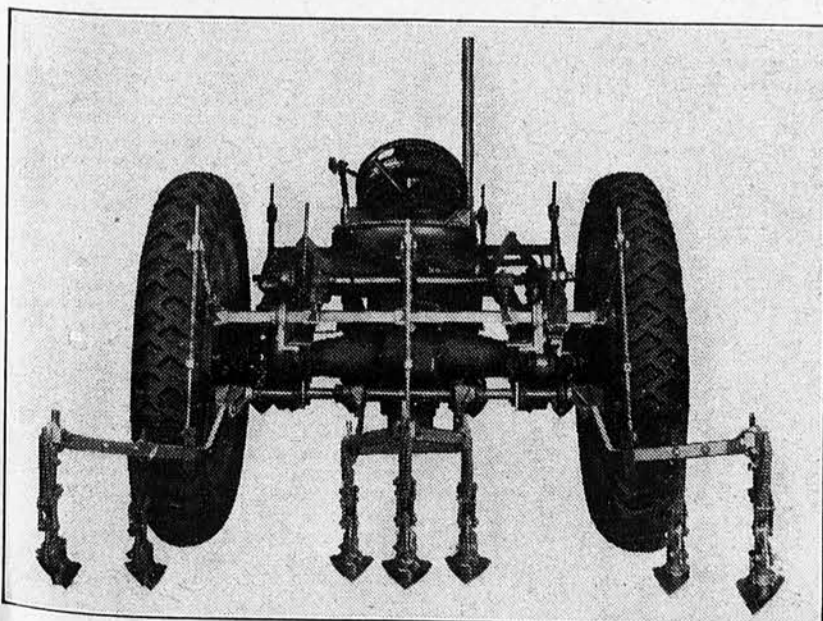
### Put on New Grease Fittings

Grease fittings which take lubrication at a "jab" of the "gun" are used on all swift moving machinery belonging to A. N. Claassen and Son, Potwin. They purchased a new ensilage cutter last fall in joint ownership with two neighbors. New grease fittings were placed at all oil holes. One rule they follow, however, is not to replace a grease cup with a fitting. The fitting is placed on top of the cup. This insures a supply of grease held in the cup at all times, which is important at many wearing points.

A new fodder binder has been giving Ralph McMillen, Earleton, real satisfaction. All vulnerable parts run on roller bearings and are lubricated by a grease gun. Ralph said, "When the grease oozes out all around a bearing, you know it's greased." They believe the life of their binder will be greatly prolonged by superior bearings and lubrication. One of the features they like is that the new binder will cut very short fodder. An important item in 1936.

Wear and tear in ungreased machinery is likely to be terrific. But the modern machine is equipped for complete, speedy greasing. Just give it careful attention and it will serve for many years.

## Fordson at Wichita, Too



HENRY FORD'S Fordson will be much in evidence at the Wichita Power Show. It will be shown by the O. J. Watson Distributing and Storage Company, Kansas distributor. In the picture above, a Dempster cultivator is attached.

Kansas Farmer for February 13, 1937

# PLOW-TIME IS COMING— GET A FORDSON

Here is the Standard FORDSON at work. The All-Around FORDSON, giving high clearance for cultivating row crops, also available. Rubber tires at slight additional cost.



HITCH a two or a three bottom gang behind the improved FORDSON. Disk, harrow, plant with a FORDSON. Get a FORDSON now — and you won't have to worry about the work piling up on you this spring. It's a rugged, compact power-plant that works equally well on bottom land or on side-hills. Gives flexible, reliable mobile and

steady stationary power. Just the tractor you need.

Interested in a FORDSON? Then fill out the coupon below.

O. J. Watson Distributing & Storage Company  
321 West Douglas Avenue  
Wichita, Kansas  
Phone: 3-3281

O. J. WATSON DISTRIBUTING & STORAGE COMPANY  
321 West Douglas Avenue, Wichita, Kansas

Phone: 3-3281

Please send me full details concerning the improved FORDSON.

Name \_\_\_\_\_

Post Office \_\_\_\_\_

State \_\_\_\_\_

## Use DEMPSTER FORDSON ATTACHMENTS

DEMPSTER FORDSON ATTACHMENTS are the latest, most simple, most modern farm equipment especially designed for use in conjunction with the All-Around Fordson Tractor. Highest quality construction of finest materials.

**DEMPSTER 2-ROW CORN LISTER ATTACHMENT**  
One of the most modern, strictly power lift listers on the market. Greater range of depth regulation—controlled by adjustment of gauge wheels and the power lift throw. Splits ridges without extra attachment. Can be equipped with press wheel attachment. Adjustable for 36", 38", 40", and 42" spacing. Standard Moldboards or exclusive Dempster Rotary Moldboard Bottom.



**MAIN FRAME and POWER LIFT Assembly**  
which fits on the All-Around Fordson Tractor and which never need be removed. All Dempster attachments are easily attached to this one Main Frame, saving the cost of a power lift and main frame for each set of tools you get. Also saves time in changing from one tool to another. Does not interfere with draw bar or belt pulley work.

See the new All-Around Fordson equipped with Dempster All Power Lift Tools. Write for full details.  
DEMPSTER MILL MFG. CO.  
719 So. 6th St., Beatrice, Nebr.

# Trindl ELECTRIC ARC WELDER

Works Off Any  
Storage Battery or  
Ordinary Light Socket

This new electric arc welder is made possible by the invention of a low voltage carbon. Auto batteries may be used without removing from car. Uses about the same current as four headlight bulbs. Can be used on electric light socket by using a Trindl converter in place of battery. Broken parts are simply melted together by the white hot electric arc, in just a few seconds. Produces about 7,000 degrees heat.

**Hottest Flame Known**

Melts iron and steel instantly. Welds fenders, radiators, holes in bodies, milk cans, tanks, brazes broken castings. Works on anything—iron, steel, brass, copper, tin or galvanized metal. Permanent repairs made for almost nothing. Used by factories in many operations. Positive money-back guarantee by a responsible firm. Send for yours today.

**AGENTS**

Men with cars to sell mechanics, repairmen, farmers, radio and battery shops, factories. Five-minute demonstration makes sales. **Up to 150% PROFIT.** Write Today—Now!

**TRINDL PRODUCTS**  
2229-DA Calumet Ave., Chicago, Ill.

## Trade with Kansas Farmer Advertisers

The products and appliances that they offer for sale are as represented. The things they say about farm profit and farm improvements are sound and truthful.

We wish to recommend to you the advertisements in Kansas Farmer as an additional source of farm information and help.





## Soil Washing Impossible Here



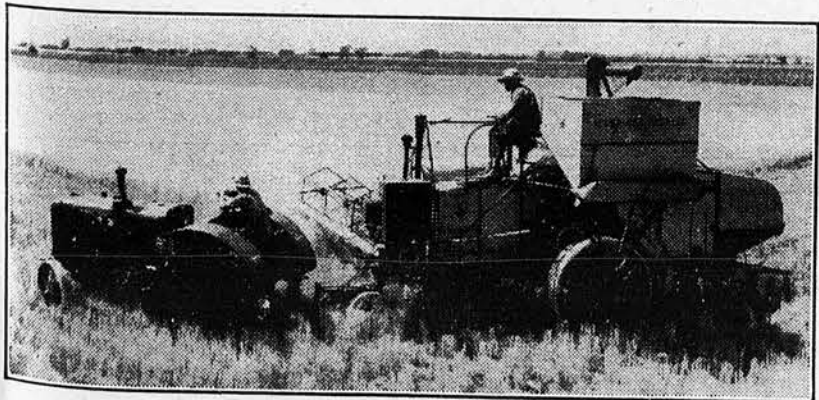
**A** CATERPILLAR Diesel tractor and a 6-row damming lister are shown in operation at the Ft. Hays Experiment Station. Hard dashing rains, common to many sections of the country, are held where they fall. This outfit covered 60 acres in 10 hours.

## Exhibitors at Western Power Show

(Continued from Page 3)

- |  |  |
|--|--|
| Hercules Motors Corp., Canton, Ohio.                             | White Wind Electric Co., Wichita, Kan.                     |
| International Harvester Co., Chicago, Ill.                       | D-A Lubricant Co. Inc., Indianapolis, Ind.                 |
| Waukesha Motor Co., Waukesha, Wis.                               | Simplicity Mfg. Co., Port Washington, Wis.                 |
| Michigan Power Shovel Co., Benton Harbor, Mich.                  | Universal Motor Oils Co., Wichita, Kan.                    |
| Dodson Mfg. Co., Wichita, Kan.                                   | Folkers Supply Co., Wichita, Kan.                          |
| Shaw Mfg. Co., Galesburg, Kan.                                   | Federal Trucks, Kirk Motor Truck Co., Dist., Wichita, Kan. |
| Blood Brothers Machine Co., Allegan, Mich.                       | French & Hecht, Inc., Davenport, Iowa.                     |
| Ford Motor Co., Kansas City, Mo.                                 | K & M Wholesale Mfg. Co., Kansas City, Mo.                 |
| John Deere Plow Co., Kansas City, Mo.                            | Babson Bros., Kansas City, Mo.                             |
| Scintilla Magneto Co. Inc., Sidney, N. Y.                        | Wetmore Pulverizer & Machinery Co., Tonkawa, Okla.         |
| Zenith Carburetor Co., Detroit, Mich.                            | The Parsons Co., Newton, Iowa.                             |
| New Departure Mfg. Co., Bristol, Conn.                           | Milco Products Co., Milwaukee, Wis.                        |
| Hyatt Roller Bearing Co., Newark, N. J.                          | W-K Mfg. Co., Kansas City, Mo.                             |
| Stewart-Warner-Alemite Co., Kansas City, Mo.                     | Massey Harris Co., Racine, Wis.                            |
| Lincoln Engineering Co., St. Louis, Mo.                          | J. I. Case Co., Racine, Wis.                               |
| McPherson Concrete Products Co., McPherson, Kan.                 | Minneapolis-Moline Power Imp. Co., Minneapolis, Minn.      |
| Phillips & Easton Supply Co., Wichita, Kan.                      | G. C. Dunn Tractor Co., Wichita, Kan.                      |
| E. S. Cowie Electric Co., Wichita, Kan.                          | Graber Supply Co., Wichita, Kan.                           |
| The Fafnir Bearing Co., New Britain, Conn.                       | Wood Bros. Thresher Co., Des Moines, Iowa.                 |
| St. Paul Hydraulic Hoist Co., Minneapolis, Minn.                 | Oliver Farm Equipment Co., Chicago, Ill.                   |
| United American Bosch Corp., Springfield, Mass.                  | Gleaner Harvester Corp., Independence, Mo.                 |
| Whitlock Co., Wichita, Kan.                                      | Avery Power Machinery Co., Peoria, Ill.                    |
| Caterpillar Tractor Co., Peoria, Ill.                            | Smythe Implement Co., Wichita, Kan.                        |
| J. D. Adams Co., Indianapolis, Ind.                              | Frank H. Huse & Son, Wichita, Kan.                         |
| Sam H. Denney Road Machinery Co., Wichita, Kan.                  | Gehl Bros. Mfg. Co., West Bend, Wis.                       |
| Papec Machine Co., Shortsville, N. Y.                            | Crescent Forge & Shovel Co., Havana, Ill.                  |
| O. J. Watson Distributing & Storage Co., (Fordson) Wichita, Kan. | Huber Mfg. Co., Marion, Ohio.                              |
| Western Road Supply Co., Wichita, Kan.                           | Cleveland Tractor Co., Cleveland, Ohio.                    |
| Gallon Iron Works & Mfg. Co., Gallon, Ohio.                      | Chase Plow Co., Lincoln, Neb.                              |
| GarWood Industries, Inc., Detroit, Mich.                         | Agricultural Bond & Credit Corp., Kansas City, Mo.         |
| Ben Sibbitt Iron & Foundry Co., Wichita, Kan.                    | Smid Tractor Guide Co., Wichita, Kan.                      |
| Moore Auto Electric Co., Wichita, Kan.                           | Ausherman Universal Dammer Co., Wichita, Kan.              |
| Northwest Engineering Co., Chicago, Ill.                         | Fairbanks Morse & Co., Chicago, Ill.                       |
| The Interlocking Cement Stave Silo Co., Wichita, Kan.            | Bendix Stromberg Co., South Bend, Ind.                     |
| Productive Equipment Corp., Chicago, Ill.                        | Gates Rubber Co., Denver, Colo.                            |
| Air Reduction Sales Co., Wichita, Kan.                           | Delco Appliance Corp., Rochester, N. Y.                    |
| Murdock Electric Co., Wichita, Kan.                              | Edison-Splittorf Co., West Orange, N. J.                   |
| Columbian Steel Tank Co., Kansas City, Mo.                       | Wico Electric Co., Wichita, Kan.                           |
| The Jacobs Wind Electric Co., Minneapolis, Minn.                 | Briggs & Stratton Corp., Milwaukee, Wis.                   |
| Eisemann Magneto Corp., New York, N. Y.                          | Carter Carburetor Corp., St. Louis, Mo.                    |
| The Hooven & Allison Co., North Kansas City, Mo.                 | Trico Corp., Buffalo, N. Y.                                |
| The Heil Company, Milwaukee, Wis.                                | Killefer Mfg. Corp. Ltd., Los Angeles, Calif.              |
| The Barber Co. Inc., Philadelphia, Pa.                           | LaPlant Choate Mfg. Co. Inc., Cedar Rapids, Iowa.          |
| Chester L. Anderson Co., Wichita, Kan.                           | Harris Company, Wichita, Kan.                              |
| Dempster Mill Mfg. Co., Beatrice, Neb.                           | American Cable Co., Wilkes-Barre, Pa.                      |
| Victor L. Phillips Co., Kansas City, Mo.                         | R. G. LeTourneau Co., Wichita, Kan.                        |
| Stowe Hardware & Supply Co., Kansas City, Mo.                    | Speeder Mfg. Co., Wichita, Kan.                            |
|  | General Electric Co., Schenectady, N. Y.                   |
|  | A. Leschen & Sons Rope Co., St. Louis, Mo.                 |
|  | Construction Machinery Co., Waterloo, Iowa.                |
|  | Sterling Machinery Corp., Wichita, Kan.                    |
|  | Lincoln Electric Co., Wichita, Kan.                        |

## Here's a McCormick-Deering



**A** FAMILIAR wheat field scene in Central Kansas with a McCormick-Deering tractor and combine finishing the harvesting in one operation. International Harvester, of course, has rubber-tired tractors as well as the crawler type. All will be exhibited with a complete line of farm implements at the Wichita Show.

Kansas Farmer for February 13, 1937

### THIS WAY PAYS BEST

This system of farming produces a steady cash income, provides the best feed for growing calves, pigs and chickens, and removes less soil fertility. It steadily increases the capital of the owner through added young stock and building up of soil.

## DE LAVAL SEPARATORS and MILKERS

### World's Best Money Making Machines



**DeLaval Separators For Every Need and Purse \$30 — and up**

World's best separators, made in 16 sizes and styles. Skim cleaner, run easier and last longer. Present De Laval's the best in De Laval's 59 years of leadership. Your De Laval Dealer will gladly give you a free trial demonstration so you can tell exactly how much a new De Laval will earn and save for you. Thousands have found their old separators were losing enough to pay for new De Laval's.

**T**HE dairy cow is not only our greatest producer of wealth, but De Laval Separators and Milkers are the best money making machines any milk or cream producer can own.

It is not unusual for a De Laval Separator or Milker to earn its own payments and pay for itself in its first year of use; that's equal to 100% return on the investment. And these machines will continue to earn at such a rate for many years. Thousands of De Laval Separators in use today have given 20 to 30 and even more years of service; and De Laval Milkers, first placed on the market 19 years ago, are still in use.

If you have not already done so, why not put a De Laval to work on your farm? You can get one on such easy terms it will soon pay for itself. See your De Laval Dealer or mail coupon below to nearest De Laval office.

**GET A NEW DE LAVAL FOR AS LITTLE AS \$100 A WEEK**

**MAIL COUPON**

THE DE LAVAL SEPARATOR CO., Dept. 4327

New York, 165 Broadway  
Chicago, 427 Randolph St.  
San Francisco, 61 Beale St.

Please send me, without obligation, information on  
 Separator  
 Milker  
 Check which

Name .....

Town .....

State..... R. F. D..... No. Cows.....

### SPEAR BRAND Start-to-Finish CHICK PELLETS

Bring Baby Chicks through the Danger period . . . Carry them Quickly to Maturity, Safely, Economically. SPEAR BRAND START-TO-FINISH CHICK PELLETS — THE PERFECT CHICK FEED that contains 5 Essential Vitamins . . . Makes Chicks husky . . . Tones frail digestive systems . . . Keeps resistance built-up against roup and other infections. Raise every livable Chick . . . MAKE EXTRA PROFITS! Feed SPEAR BRAND START-TO-FINISH. Also available in Mash form.

Order from your Dealer TODAY. If he is unable to supply you, write direct to

**SPEAR BRAND MILLS, Inc.**

Mill and General Offices, 17th and Potter, Kansas City, Mo.

MAKERS OF FAMOUS SPEAR BRAND EGG PELLETS

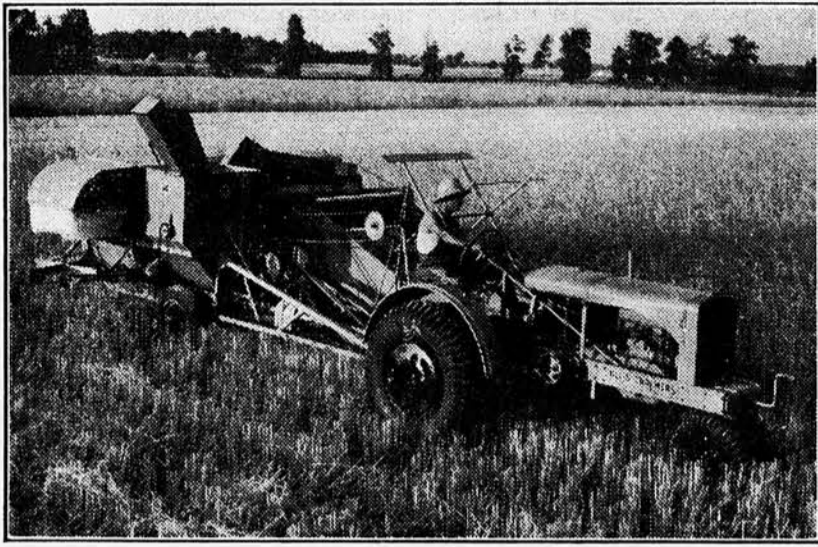








## All-Crop Harvester in Action



THIS machine mounted on rubber all around is seen here in action in a Kansas wheat field. It cuts and threshes almost any seed crop known, according to the manufacturers. The All-Crop Harvester found an unusually heavy sale last season all over the United States, and particularly in the East. This machine will be one of several models of farm implements shown by Allis-Chalmers at the Wichita Power Show.

Issue of Kansas Farmer a nice young bull, old enough for light service and a few cows and heifers. Also some calves, bulls and heifers. He would trade his senior herd sire or sell him to some breeder. His junior herd sire is the popular youngster that won Junior champion at both state fairs in 1935, and again at Hutchinson in 1936. Barwood Farm bred the first prize yearling heifer, second prize four year old, second prize senior bull calf, third prize three year old and third prize produce of dam at the national dairy show 1936. If you will write Mr. Keas, Edingham, Kan., he will be glad to give you any information you desire about the young bull, cows and heifers he has for sale.

Starting 20 years ago Earl Matthews began to improve Shorthorns by buying carefully and in small numbers, selecting good individuals from the Orange Blossom, Myssie, Jealousy and Milk Maid families. A glance at the pedigrees in the catalog just issued for his Feb. 25 dispersion sale indicates how well he has adhered to the policy of staying in line with dependable strains. Also it will be noted that he has bought herd bulls from only the best and most prominent breeders in the country. His cattle are all of good Scotch conformation, with plenty of depth of body, compact and really the kind that are proving the most profitable on Kansas farms. Mr. Matthews and his family are, however, leaving the farm for the present at least and everything sells, including big draft mares in foal, 40 bred ewes, the 60 registered Shorthorns and all of the other livestock, chickens, machinery, etc. Mr. Matthews is one of the good, honest and reliable breeders of the state and he is sure to receive prices that are deserved for his stock.

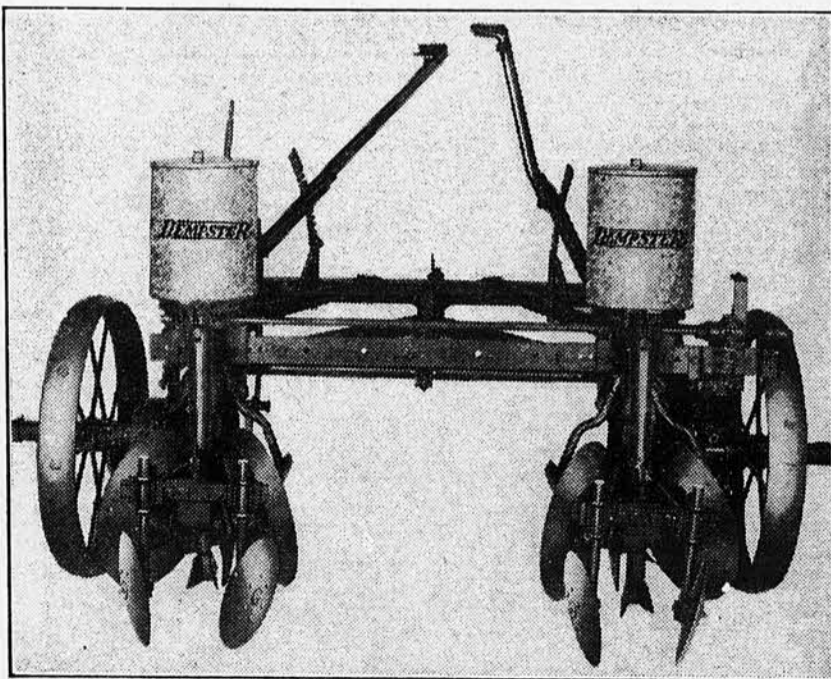
The Percheron breeders in the vicinity of Topeka and in eastern Kansas for a good many years have been interested in good Percheron horses and if you have observed closely you have noticed a fine string of Percherons about every fall from Shawnee county and eastern Kansas. The breeders from this territory, with a few from farther out in the state are holding a consignment sale at the Free Fair grounds, in the commodious judging pavilion, where there

is plenty of lighting facilities and lots of room for showing horses, giving the buyer a good opportunity to make his selection. Because of the lateness in deciding to hold the sale and the bad weather, the horses will not be in show shape but the quality will be there and they will be in splendid breeding condition. D. F. McAlister, a veteran Percheron horse breeder and known to about everyone in Kansas that is interested in Percherons will have charge of the sale. There will be 25 cataloged for the sale, consisting of mature stallions, young stallions and fillies and a few mares in foal. The breeding is of the best and you should procure the catalog at once. Look up the advertisement in this issue of Kansas Farmer.

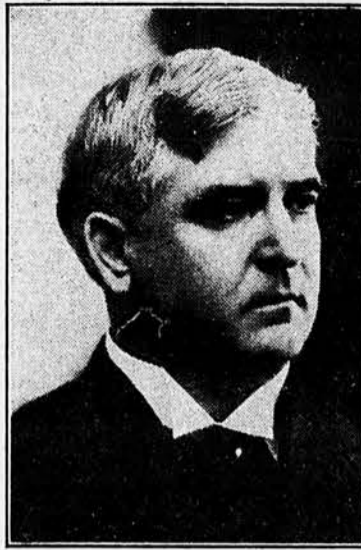
For a good many years Mr. Carl C. Anderson has been breeding registered Percheron horses on his farm near Jamestown and Concordia, together with his brother Ed. He has carried on a big farm and in buying cattle to feed or hogs or Percherons it has always been their policy to buy the best. Now they are going to sell off all of the registered Percherons. About twenty head comprising stallions and bred mares, younger mares fillies, etc. Among the first stallions to be owned and used in the herd was Charnot close up in breeding to the noted C. rnot. Much of the offering carries the blood of this horse. Others were sired by the present herd stallion Brilliant, a son of Kazine 99630 and close up in breeding to Importations. The offering is one of the good useful kinds, the mares are good workers and do farm work on the farm. L. L. Humes of Glen Elder is consigning four head of mares. The catalog gives all information about breeding ages, etc. Write for it to Carl C. Anderson, Jamestown, Kansas. On the same date and at the same place they sell some nice type unregistered Duroc bred gilts and a few boars eligible to register.

The opportunity to buy in an auction where every animal is being sold makes it more worth while to attend. The J. C. McFarland Milking Shorthorn sale being made at Sterling, Kan., Feb. 26 is one of the few absolute dispersion sales of the times. This herd is one of the good ones of the state and while there has been but little

## Dempster Has New Type Lister



A ROTARY moldboard has many advantages, claims the Dempster Company, chief of which is lighter draft and thus a saving in gasoline. It will have a public appearance at the Wichita Power Show along with other farm equipment made by this Beatrice, Neb., manufacturer.



## Announcing the Dispersal Sale Ashbourne Shorthorns

Property of  
**Hon. A. C. Shallenberger**  
One of the oldest and one of the most modern herds in America.  
Selling by auction at Ashbourne Farm,  
**Alma, Nebraska**  
**Wednesday, Feb. 24**

There will be sold: 22 Outstanding Bulls, including the two noted sires, **Browndale Badge 1628083** and **Divide Superb 1683191**

**HON. A. C. SHALLENBERGER**  
Founder of Ashbourne Herd Shorthorns

There will be several young bulls with recent show records and others that can win if shown. All are short legged, thick, compact and of modern beef type, with excellent heads and good dark color.

41 females as good as any herd can show. About 16 of them will have choice calves at foot or well along with calf to the service of the great bulls that head this herd. This herd has long been noted for modern type, impressive heads and rich pedigrees. Get the catalog and see for yourself.

The families: Augusta, Clara, Flora, Goldie, Gardenia, Jealousy, Killeen Beauty, Lady Douglas, Lavender, Maud, Missie Nonpareil, Rosewood, Village Maid and Winifred.  
This is a dispersal sale but every animal will be guaranteed as fully as if it were a draft sale. No breeder has a better reputation for fair dealing than Gov. Shallenberger.

For the sale catalog write at once to

**Will Johnson, Sale Manager**

3709 Sixth Ave.

Sioux City, Iowa

## Matthews' Shorthorn Dispersal Sale

On Farm, 15 Miles of Winfield,  
32 Southeast of Wichita,  
1 Mile East of Udall, Kan.  
On Highway 15

**Thursday, February 25**

**60 HEAD SCOTCH CATTLE**

Including our great bull **BROWDALE SULTAN** (grandson of Browndale Count).

25 cows bred or with calves at foot to the service of above bull. 10 bulls—from 6 to 15 months old. 25 heifers—from calves to breeding ages, nice roans and reds. 8 grade milk cows. 5 draft mares in foal and some work horses.

1 stallion.  
40 bred ewes.



I have known the Matthews Shorthorns for many years. No better opportunity to buy dependable cattle will present itself this year.—Jesse R. Johnson.

The Shorthorns are federal accredited for both Tb. and abortion.  
For catalog address

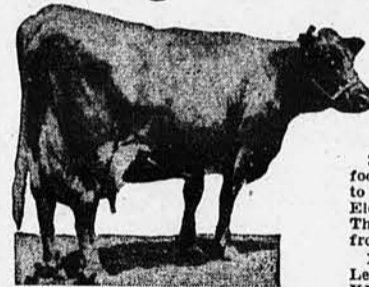
**Earl Matthews & Son, Udall, Kansas**

(Cowley County)

Aucts.: Boyd Newcom, C. W. Cole

Jesse R. Johnson with Kansas Farmer

## Milking Shorthorn Dispersion Sale



45 HEAD, the blood of **OTIS CHIEFTAIN**, **The SHULER DUCHESS COWS**, **DUKE DARLINGTON** and other noted animals of the breed.

**Friday, February 26**

30 bred cows and heifers (some with calves at foot sale day), a large percentage of them in service to **WALGROVE LEWIS** (bred by Walgrove Farms). Eleven of his nearest dams have top R.M. records. The bull sells, together with 7 young bulls, in age from one to 10 months.

10 HEIFERS—from calves to yearlings. Walgrove Lewis is a great son of **WALGROVE CHARMING KNIGHT**. At least 10 head are granddaughters of great granddaughters of **OTIS CHIEFTAIN** (one of the greatest English-Clay bred bulls ever in Kansas). The herd is federal tested for both Tb. and abortion. Sale on farm, 1 mile south of Sterling on Highway 96. For catalog address the owners.

**J. C. McFarland & Sons, Sterling (Rice Co.) Kansas**

Aucts.: Boyd Newcom and Jack Mills

Jesse R. Johnson with Kansas Farmer

Harry Reeves, Representing the Kansas Milking Shorthorn Breeders' Association

### SHORTHORN CATTLE

#### Bulls Sired by Kansas Ace

Low set and thick-bodied. Mostly reds, the best lot we have had for years. They include the first prize in class at Topeka Free fair. Out of our uniform type Scotch cows. Close inspection invited. **W. H. MOLYNEUX & SON, PALMER, KAN.**

#### REDUCTION SALE

We must reduce our herd and will sell at private treaty 15 heifers and cows, some sired by G. F. Victorious and out of heavy milking cows. Also several bulls of serviceable age, including some show and herd bull prospects. **E. C. LACY & SONS, MILTONVALE, KAN.**

### RED POLLED CATTLE

#### Choice Bulls Breeding Ages

Also younger ones. The kind that will strengthen your herd. Come and see or write for descriptions. **ALBERT H. HAAG, R. 4, HOLTON, KAN.**

### POLLED SHORTHORN CATTLE

#### Clippers and Browndales

Choicely bred bulls and heifers. 20 registered Polled Shorthorn Bulls. Some show type. Halter broke. **J. C. BANBURY & SONS, FLEVNA, KAN.**

#### Polled Shorthorns

March and April Bull Calves, good colors, good individual, bred Hornless. Four good herds in Coffey county. Come and see. **Glen G. Smith, Waverly, Kan.**

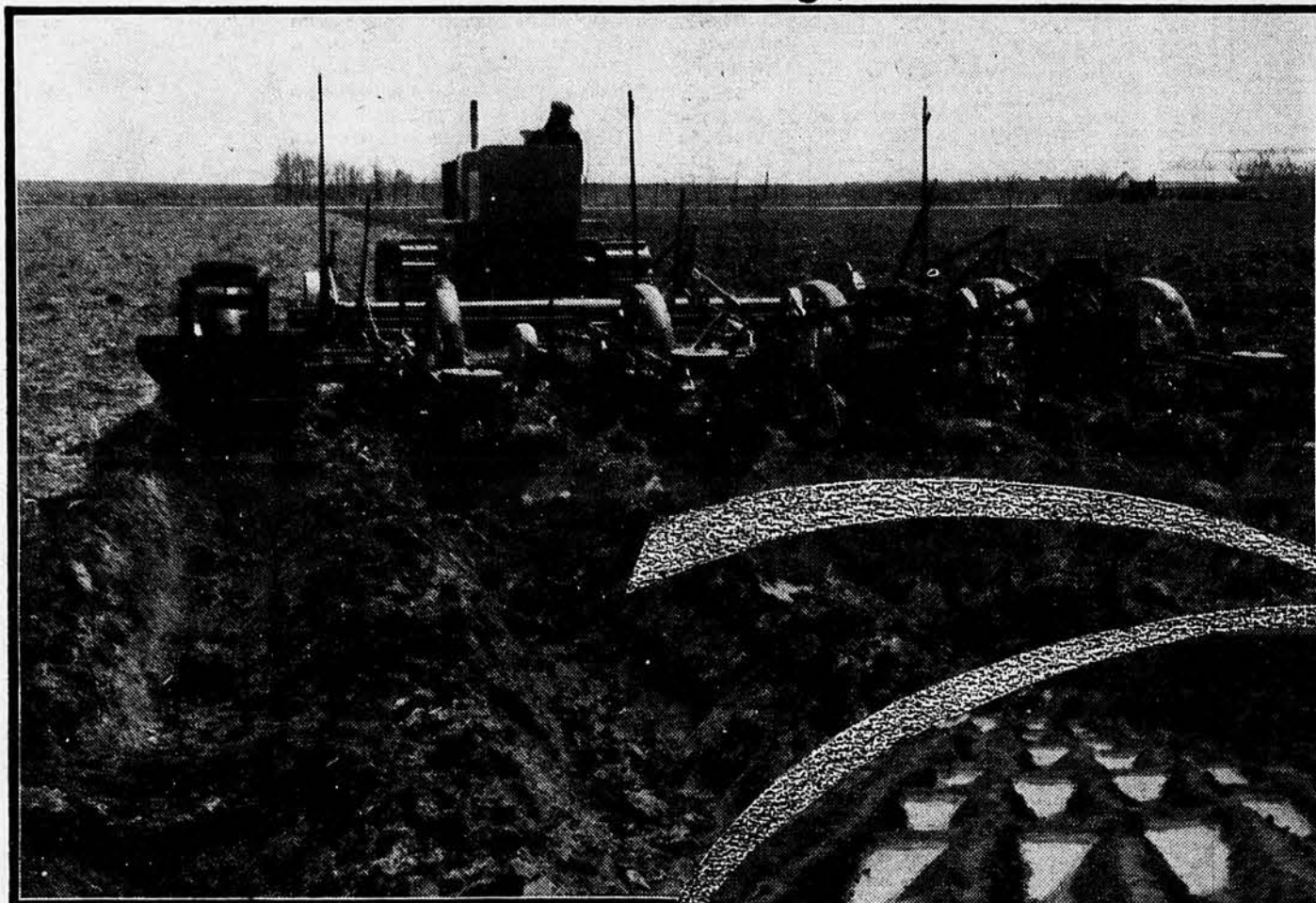
### JERSEY CATTLE

**TWELVE-MONTH-OLD BULL**  
Solid color. Good type individual. **SIRE:** Imported in dam, grand champion North Central Kansas Parish show, 1925. Dam's record 624.34 lbs. fat. **DAM:** grand champion North Central Kansas Parish show 1925 and 1934. Record, 649.6 fat. Price reasonable. Also bull calves. **Mrs. F. B. Wempe, Frankfort, Kan.**



# "CATERPILLAR" TRACK-TYPE TRACTORS

*fit the damming lister method!*

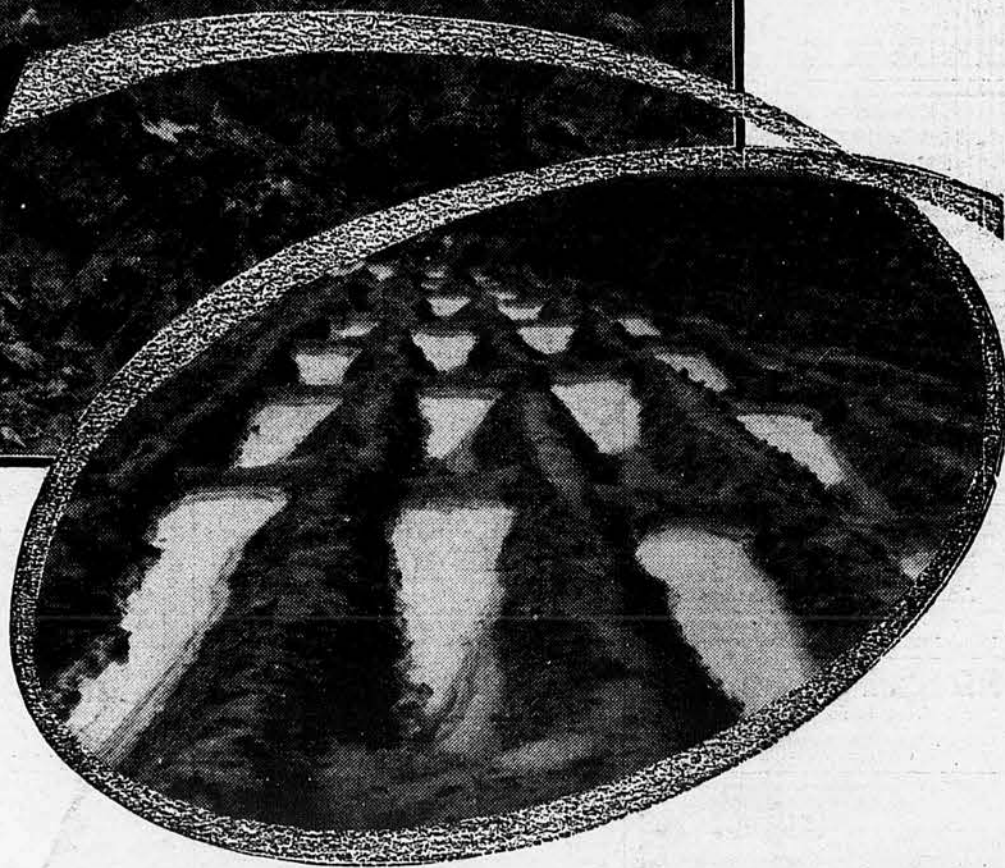


*Fair crops in dry years—extra large profits in good years. That's what the proper use of the damming-lister method promises by licking soil-blowing and moisture waste! And "Caterpillar" Tractors have proved that they are ideal for this new tillage system!*

For "Caterpillar" track-type Tractors have the rugged power to operate the damming attachments, while deep-listing hard, dry ground. Ample weight—balanced so that the broad tracks keep their non-slip traction—enables this tractor to turn more than 80% of its engine power into steady drawbar pull.

Every size of "Caterpillar" Tractor is offered in a gauge built to ride listed ridges—to pull "ridge-busters" or other tools to level before drilling. Also, the long, wide tracks bridge the furrows and keep the traction to pull big loads directly across listed ridges.

Because this tractor rides listed ridges so well, use its power to raise row-crops as well as grain. And with this tractor, you command the lowest operating costs on record—the Diesel models, for example, are cutting fuel bills two-thirds, and more, as compared to ordinary gasoline tractors!



"Caterpillar" Diesel Tractor, Lister-Damming 6 acres per hour on 2½ gallons Diesel fuel, working near Hays, Kansas. Inset picture shows how the dams hold even heavy dashing rain where it falls allowing it to seep into the soil (load suitable for the Diesel RD6).

## CATERPILLAR TRACTOR CO.

REG. U. S. PAT. OFF.

### PEORIA, ILL.

**WORLD'S LARGEST MANUFACTURER OF DIESEL ENGINES AND TRACK-TYPE TRACTORS**

**CATERPILLAR TRACTOR CO., Dept. K-2, Peoria, Illinois**

Gentlemen:

I farm \_\_\_\_\_ acres. My power is \_\_\_\_\_

Please send me further facts on:

3-4 plow Twenty-Two       5-6 plow Diesel RD4       6-8 plow Diesel RD6

Name \_\_\_\_\_ Town \_\_\_\_\_

R. F. D. \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_