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KANSAS FARMER

CONTINUING
MAIL & BREEZE

Volume 74

September 11, 1937

Number 45



Welcome to
KANSAS FREE FAIR
TOPEKA
SEPT. 12 to 18, 1937
KANSAS STATE FAIR
HUTCHINSON
SEPT. 18 to 24, 1937



FARMERS everywhere are saying that the amazing Firestone Ground Grip Tire is **FIRST** in performance and **FIRST** in economy. So many thousands of farmers are changing over to this wonderful tire that production has been greatly increased to meet the demand.

FIRST IN DRAWBAR PULL. The greater drawbar pull of this amazing tire accounts for its ability to do more work in a given time.

FIRST IN TRACTION. The patented Ground Grip Tread takes a deeper bite into the soil. Added strength to resist the strain of heavy pulling is provided by

Gum-Dipping the cord body. Every fiber of every cotton cord is saturated with liquid rubber by this patented Firestone process. Two extra layers of Gum-Dipped cords under the tread bind the tread and cord body so solidly together that we guarantee they will not separate.

FIRST IN ECONOMY. Saves up to 50% in fuel over steel-lugged wheels. Covers more acres per day. Low-cost Firestone cut-down wheel program permits using one set of tires on several different implements.

FIRST IN SALES. Firestone Ground Grip Tires have such outstanding leadership in performance that sales are soaring. Don't wait another day—see the Firestone Ground Grip Tire today at your nearest Firestone Implement Dealer, Tire Dealer or Auto Supply and Service Store.

Listen to the Voice of Firestone featuring Margaret Speaks; Monday evenings over Nationwide N. B. C. Red Network

MORE FARM TRACTORS ARE EQUIPPED WITH FIRESTONE GROUND GRIP TIRES THAN ALL OTHER MAKES OF TIRES COMBINED!

WIBW Program Schedule

(Daily Except Sunday)

- Two Weeks Beginning September 11
- 4:00 a. m.—Sons of Pioneers
 - 4:30 a. m.—Alarm Clock Club
 - 5:45 a. m.—News
 - 6:00 a. m.—Henry and Jerome
 - 6:15 a. m.—Roy Faulkner
 - 6:30 a. m.—Col. Combs and Ramblers
 - 6:45 a. m.—Henry and Jerome
 - 7:00 a. m.—Daily Capital News
 - 7:15 a. m.—National Bellas Hess News and Music
 - 7:30 a. m.—Musical Revue
 - 7:45 a. m.—The Gospel Singers
 - 8:15 a. m.—Unity School
 - 8:30 a. m.—Coolerator News
 - 8:45 a. m.—Neighbor Jim (M-W-F)
 - 8:45 a. m.—Roy Faulkner (T-Th-Sat)
 - 9:00 a. m.—IGA Program
 - 9:15 a. m.—Ma Perkins
 - 9:30 a. m.—Housewives Program KSAC
 - 10:30 a. m.—Protective Service & Anti Crime Assn.
 - 10:40 a. m.—Weather Bureau
 - 10:45 a. m.—Harris Goar's Street Reporter
 - 11:00 a. m.—Monticello Party Line
 - 11:15 a. m.—Dinner Hour
 - 12:00 p. m.—H. D. Lee News
 - 12:15 p. m.—KANSAS FARMER MARKETS AND FARM NEWS
 - 12:30 p. m.—Noonday Program KSAC
 - 2:00 p. m.—Daily Capital News
 - 2:15 p. m.—Jane Baker the Kansas Homemaker
 - 2:30 p. m.—Organ and Piano Moods
 - 2:45 p. m.—Shepherd of the Hills (T-Th)
 - 2:45 p. m.—Roy Faulkner (M-W-F)
 - 3:00 p. m.—Variety Quarter Hour
 - 3:15 p. m.—Kansas Roundup
 - 3:45 p. m.—Organalities
 - 4:00 p. m.—Derby Broadcast
 - 4:15 p. m.—Daily Capital News
 - 4:30 p. m.—Matinee KSAC
 - 5:30 p. m.—Musical Program
 - 5:45 p. m.—Daily Capital News
 - 6:00 p. m.—Derby Broadcast
 - 6:15 p. m.—Bar Nothing Ranch Folks (M-W-Sat)
 - 9:00 p. m.—Tom Kelly's Sport Review
 - 9:15 p. m.—Kitty Keene, Inc.
 - 9:45 p. m.—Emahizer's Melodies
 - 10:00 p. m.—Daily Capital News
 - 10:15-12 p. m.—Dance Music

Highlights of the Next Two Weeks

Saturday, September 11 and September 18

- 6:15 p. m.—Bar Nothing Ranch
- 6:30 p. m.—Victor Arden and Guest Stars
- 7:00 p. m.—Professor Quiz
- 7:30 p. m.—Kansas Roundup
- 8:00 p. m.—Your Hit Parade

Sunday, September 12 and September 19

- 8:00 a. m.—Church of the Air
- 8:30 a. m.—Romany Trall
- 9:00 a. m.—Daily Capital News and Weather
- 9:05 a. m.—Reading the Capital Funnies
- 9:30 a. m.—Major Bowes' Family
- 10:30 a. m.—Salt Lake Choir and Organ
- 11:00 a. m.—First Methodist Church
- 12:00 p. m.—Organalities
- 12:30 p. m.—Derby Broadcast
- 12:45 p. m.—Tom Kelly's Sport Review
- 1:00 p. m.—The Coleman Family
- 1:30 p. m.—The Sunday Players
- 2:00 p. m.—Law Enforcement League, Sept. 12
- 2:00 p. m.—Conference on World Cooperation, Sept. 19
- 3:30 p. m.—The People Speak
- 3:45 p. m.—Harmony Hall
- 4:15 p. m.—Daily Capital News
- 4:30 p. m.—The Chicagoans, Sept. 12
- 4:30 p. m.—Our American Neighbors, Sept. 19
- 5:00 p. m.—Christian Science
- 5:15 p. m.—Romance of Travel, Sept. 19
- 5:15 p. m.—Pacific Paradise, Sept. 12
- 5:30 p. m.—SENATOR CAPPER
- 5:45 p. m.—Daily Capital News
- 6:00 p. m.—To Be Announced
- 6:30 p. m.—Texaco Town
- 7:00 p. m.—Ford Sunday Evening Hour
- 8:00 p. m.—American Legion Convention, Sept. 19
- 8:00 p. m.—Grant Park Concert, Sept. 12
- 9:00 p. m.—Musical Interlude
- 9:05 p. m.—Phil Napoleon's Orchestra
- 9:30 p. m.—Derby Broadcast
- 9:45 p. m.—Emahizer's Melodies
- 10:00 p. m.—Daily Capital News
- 10:15 p. m.—American Legion program
- 10:30-12 p. m.—Dance Music

Monday, September 13 and September 20

- 6:15 p. m.—Bar Nothing Ranch
- 8:00 p. m.—Wayne King's Music
- 8:30 p. m.—K F & L Musicale
- 8:45 p. m.—The Crime Patrol (also 9:45-10:45)
- 10:30-12 p. m.—Dance Music

Tuesday, September 14 and September 21

- 6:30 p. m.—Victor Arden and Guest Stars
- 7:00 p. m.—Watch the Fun Go By
- 7:30 p. m.—Benny Goodman's Swing School
- 8:30 p. m.—Phillips Poly Follies

Wednesday, September 15 and September 22

- 6:15 p. m.—Bar Nothing Ranch Folks
- 6:30 p. m.—Laugh with Ken Murray
- 7:00 p. m.—Frank Parker—Chesterfield Program
- 7:30 p. m.—Palmolive Beauty Box Theatre
- 10:15-12 p. m.—Dance Music

Thursday, September 16 and September 23

- 6:30 p. m.—Victor Arden's Guest Stars
- 7:00 p. m.—Major Bowes' Amateur Hour
- 10:15-12 p. m.—Dance Music

Friday, September 17 and September 24

- 6:30 p. m.—Alice Faye and Hal Kemp's Orchestra
- 7:00 p. m.—Hollywood Hotel
- 8:00 p. m.—Coca Cola Program—Kitty Carlisle
- 10:15-12 p. m.—Dance Music

—KF—

☐ I like to read the stories in Kansas Farmer. I think it's a very helpful magazine. I always read it clear thru.
—Annie Androes, Newton.



Stars From Many Fields

Kansas Fairs Bring Broadway Attractions to Mingle With the State's Best in Crops and Livestock

By TUDOR CHARLES

EVERY year brings new thrills for fair goers. Our smaller fairs began several weeks ago and it goes without saying that all were successful, because every one brought recreation, enjoyment, and valuable information to a majority of the people attending. Our hat is off to the community, county and sectional fairs.

After the smaller fairs in Kansas there always is a grand climax at the two larger fairs. There one can see the very best the state has to offer, all brought together in a big show. The big fairs are true farm festivals, depicting Kansas' statewide harvest.

The county booths at the state fair always are impressive. They include an assortment of all the farm and garden products of the county, or perhaps the theme of the display is to stress some important farm practice which needs widespread attention brought to it.

For instance, the winning booth at the Kansas State Fair last year was from Wilson county and fostered the use of more phosphate, legumes, and limestone on local soils. Shawnee county's display stressed wheat variety and fertility tests; Stafford portrayed half a dozen important farm practices; and Comanche county had soil moisture tests as the backbone of its exhibit.

The following are some of the counties to be represented at the State Fair, and the individuals or organizations preparing the exhibits: Atchison, 4-H club council; Wyandotte, "Bill" Campbell; Douglas, L. G. McGee; Shawnee, W. P. Kimbal; Franklin, G. K. Wheeler; Linn, W. E. McRae; Clay, George Pfle; Sumner, Walter Campbell; Reno, J. A. Johnson; Stafford, S. E. Veatch; Pawnee, Emma Curtis; Kiowa, John W. McKinley; Comanche, Leroy E. Melia; Ford, Bernard Melia; and Finney, J. D. Adams.

The Farm Bureaus from Wyandotte, Shawnee, Cheyenne and Wilson counties will bring displays featuring important work they are doing.

The district and county dairy and beef herds will create much more attention than ever before, because they are rapidly growing to be the features of the adult livestock shows. Another breed, Milk-

ing Shorthorns, has been added to the dairy program. There will be 4 district herds on display at both fairs. The Holstein breeders will bring 12 herds. There will be 12 Hereford herds, 7 beef Shorthorn, and 2 Angus. Every herd is made up of cattle from 4 separately owned farm herds.

One of the supporting influences in the district dairy herd program, is the statewide dairy judging contest sponsored by Kansas Farmer. At the spring dairy shows farmers compete for the district team by placing classes of show cattle. These teams, representing every breed, come to the fair at Topeka, and repeat the procedure. Immediately after the judge completes his official placing, the winners of every breed judging contest are announced.

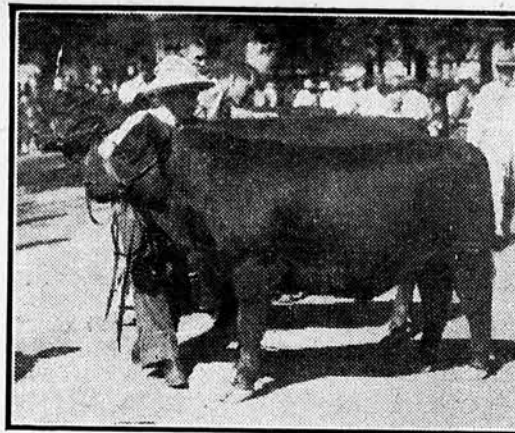
Kansas Farmer is awarding \$300 for the 5 breeds this year. First place individual will get \$25, second \$15, third \$10, and the winning team \$10. This makes a total of \$60 for each breed.

The district show herds and judging contest, details of which are carefully handled by the extension dairy specialists of Kansas State College, have changed the ringside at the fairs from a small handful of personally interested breeders or casual strollers, to packed bleachers of dairy-minded folks. The reason is simple—they have multiplied many fold the number of people taking part in the show. And their families and neighbors want to see how they are doing.

THE starting schedule for the dairy breed showing and judging will be: Milking Shorthorn, Monday, September 13, 1 p. m.; Holstein, Tuesday, 10 a. m.; Guernsey, Wednesday, 9 a. m.; Ayrshire, Wednesday, 1 p. m.; Jersey, Thursday, 9 a. m.

Four-H activities continue to become more and more important in the daily routine of the fairs. At the Free Fair an entire new exhibit building has been devoted to 4-H dairy calves, while the big rock beef barn will house only fat steers and breeding heifers. There is a new display building for 4-H material. This building, 40 by 60 feet, was constructed in 3 weeks, after Manager Maurice W. Jencks returned from a trip to Europe and found an urgent request for more space from state 4-H club leader, M. H. Coe. Four-H boys had a real part in this building, for a number from local clubs came and helped with construction. They sawed boards, carried lumber, and did general handiwork for the carpenters.

The largest and finest club buildings in the country now are ready at the State Fair in Hutchinson. The huge dormitory, auditorium, and dining hall has



Bright-eyed Bobby Burns, the champion Angus steer of Kansas' 1936 state fairs responds methodically to Andy Schuler's Jr.'s proddings during the 4-H beef show at Topeka.

been in use for the last 2 years. Now the exhibit hall is complete, and will house this year's entries. The building is 300 feet long and 127 feet wide. At the west end on the main floor is an arena 150 feet long and 50 feet wide, in which the livestock show can be held during any kind of weather. Approximately 2,000 people may watch the show from the bleacher seats which surround the arena. The second floor of this grand new building will house poultry and other exhibits.

Monday will be children's day at the Free Fair in Topeka. Horse racing is the big attraction in the grandstand, and a boy or girl under 12 years old will be admitted free with every paid adult ticket. Horse racing will be continued on Tuesday also, with reduced rates for children. The new concrete box section of the Free Fair stadium seats 2,200 additional people.

Monday is children's day at the State Fair also, when school boys and girls will be admitted to the fairgrounds without charge.

People who like musical entertainment will be thrilled at the night shows of both fairs. The Parade of Stars in Topeka will feature a musical show direct from Broadway, and this show will be liberally interspersed with comedy acts, and feats of acrobatic skill.

The Star Brigade, at the State Fair in Hutchinson, will be as fine a musical and thrill show as Kansans will have an opportunity to see this year. A trained troupe of Dobermann Pinschers, the "original German Police dogs," will act twice daily in the grandstand show. This is expected to be a truly unusual trained-dog act.

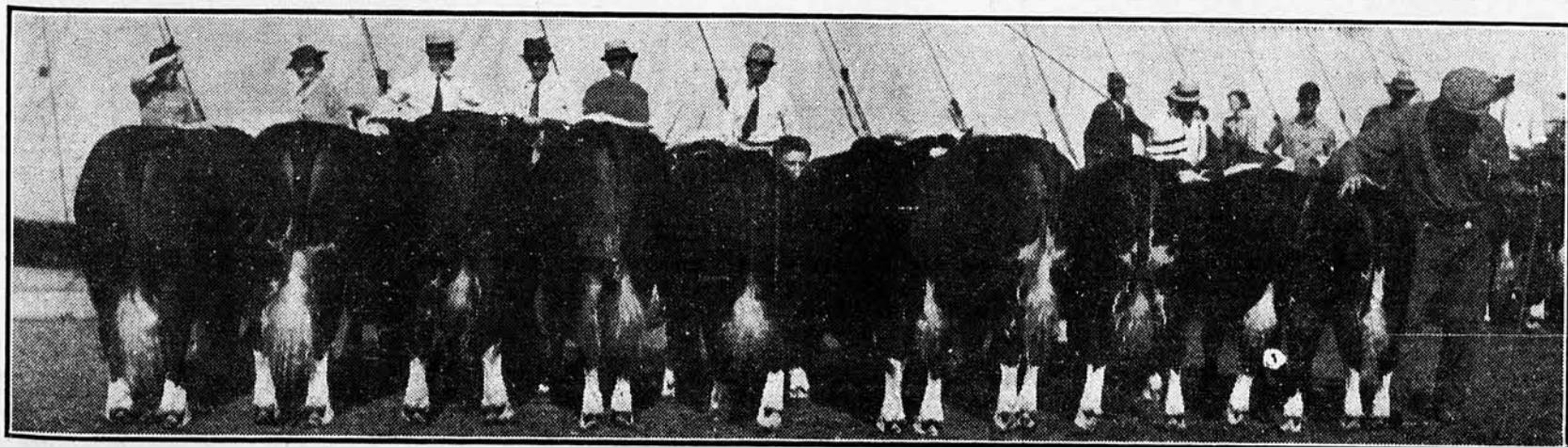
People who like rodeo stuff—bucking, steer-riding, roping, trick horses, and clowns—will have an opportunity to see it at (Continued on Page 16)



At Left: The Ayrshire bull belonging to Dan D. Casement, Manhattan, gets his morning bath at the hands of the show circuit herdsman, at the Kansas Free Fair wash-rack.

At Right: Commodore, a champion 2-year-old in Paul C. H. Engler's 1936 Percheron show string. The Engler farm is near Topeka, and this informal snapshot of Commodore was taken while showing at the Kansas State Fair in Hutchinson.

Below: There was close competition among the Hereford county show herds at both state fairs last year. This is the Morris county group of 10 which stood high. Their holders "ducked" just before the camera snapped, but one herdsman is still trying to get the youngest heifer into a better position.



We Can Change This Picture

Passing Comment by T. A. McNeal

IN A PREVIOUS issue I spoke of the old fashioned, independent farmer. I am in receipt of the following interesting letter from Mr. and Mrs. G. W. Geiser of Beloit:

"In reading your comment in the April 24 issue of Kansas Farmer we noted that you spoke about the independent farmer, as we knew him 50 years ago, who has passed out of the picture.

"Has the tendency of the times toward centralization and restricted personal liberty produced the dismal picture given below?

"If you have toured this part of Kansas you are well aware of the picture to which we refer. If you have not, let us look at it together. For 55 years and more we have lived in this county, Mitchell, and our parents lived here before us. One parent, Mrs. N. B. Jordan, now nearly 90, is still living on the old homestead. Sixty-five years, no 62 years actual residence on the same farm (nearly 3 years was spent in Vernon county, Missouri). The changes that have taken place in those long years, history gives the record. In the beginning of that struggle to establish livable homes on the prairie, those sturdy pioneers planted trees, shrubs, vines and flowers. Cottonwood and boxelder, lilac and yellow roses, trumpet vine and flag, zinnias and marigold. Most every farm's fields were hedged on every side. Wild life had protection and food. People took pride in their snug country homes. Well improved farms were in vogue. Freshly painted houses and farmyard buildings gleamed in the morning sun. Nearly every 160 acres had its occupant and the owner of such a tract made his living and was at peace with God and fellow man. How we dislike to take our eyes off the enchanting scene and view the dismal picture that is the topic of our letter.

"Trees are dead and being grubbed out. Shrubbery no longer stands beside the kitchen door, and even the rose and flag are hard to find. Beds of annuals no longer exist. What hedges remain are nearly all dead. The loss of trees exposes miles and miles of plowed fields. Wild life has little, or no protection now and the birds seek food elsewhere. Pride in the country home now exists in the latest model car. Improved farms are hard to find. Drab colored, dilapidated houses and farm buildings seem to slink, shamefacedly, away to give place to the modern methods of farming. A farm of 160 acres no longer affords a living. A section or two are required now. Instead of peace and quiet, turmoil and strife seem to advocate the slogan of get all you can by fair or foul means, while the getting is good. The rural church is becoming a memory. The last stroke of the brush puts the following touches to the picture—650,000 farmers on relief in 1933. During the 10-year period, 1924-1934, the average farm family income was \$499, about, a year; 25 millions unemployed in Canada and the United States are in

More or Less Modern Fables

AKANSAS old time hen was visiting with her modern granddaughter. The subject of eggs was brought up. "Grandmother," asked the young hen, "did you have something of a reputation as a layer?"

"I certainly did," said the old hen, "altho of course I never boast about my achievements. Why I can very well remember that one summer I laid 3 full settings of eggs, 12 eggs in a setting. I think that is a mark for you to shoot at granddaughter."

"Well, grandmother, this has not been a very busy season with me. I have only laid 200 eggs so far but I have a month to go on. I expect to run my score up to 230 before the year is out."

"I never supposed," said the old hen, "that a granddaughter of mine would turn out to be a bloomin' liar, but even if you are telling the truth I pity you. You must be so blamed busy laying eggs that you don't have time to broadcast."

A dog was permitted to lounge about and sleep, and which had such a stand-in with the cook that he had grown corpulent from over-feeding, was annoyed by a family of fleas consisting of a paternal flea, his wife and 417 active and hungry children. The head of the flea family, hearing the complaints of the dog, said: "Why do you roar and grumble? We are your friends. If it wasn't for us you would oversleep yourself and probably die from over-eating and lack of exercise." But the dog who was hankering for quiet and rest replied: "Durn your friendship! If my friends have no use for me except to board off me I prefer to go it alone. I would rather die and go to dog heaven than to live and have a continuous hell of a time fighting fleas."

When the Rain Comes Down

ED BLAIR
Spring Hill, Kansas

When it gets so hot and dusty
That a fellow feels all crusty
In his mind, and on his body,
And the blues come snoopin' roun',
What a change a few hours bring him,
Heat and drouth no longer sting him,
If the thunders start to rollin' and
the rain comes down.

Some folks are just like a rabbit,
Sometimes just from force o' habit,
Oftentimes though 'tis the weather
That just makes 'em out o' sort.
But a little change o' weather
Gets their lazy nerves together,
And they get to feelin' frisky
And just wantin' to cavort.

Some folks, often, too, are surly,
Want to get up late, not early,
Want to snap and snarl 'fore breakfast,
Want to carry 'round a frown.
But when rain comes down and thunder
Stirs the air up, you will wonder
What it is has brought the changes—
'Tis the rain a-comin' down.

Rain a-fallin' when we need it,
All of us are bound to heed it,
All of us forget our grumbles
When the rain comes down at last.
And we wipe our "specs" 'nd figger
If there isn't something bigger
On ahead, instead o' lookin'
At the dark and musty past.

(Copyright, 1937)

danger of becoming unemployable by eating a deficient relief diet.

"Taxes on improvements compels the farmer to quit the building program. Taxes on improved farms compels the farmer to give his time and energy to that which will yield a monetary income. The tax payer has no complaint when the money is used wisely, but the prolonged existence of charity and doles to those who can but won't work is as a festering sore. What doth it profit a nation to gain the whole world and yet have its economic system unable to provide a decent living for all who are willing to work.

"We know that the farmer cannot stop the progressive methods but we realize that he would like to know how to keep up with it at least."

Perhaps the foregoing letter has drawn too dark a picture. At least a part of the deterioration described is due to nature. We have been passing thru a period of protracted drouth, part of which I believe something other than man is responsible for. Ancient history describes various parts of the earth once fertile and prosperous but now barren deserts, because man in his folly and greed has stripped the lands of nature's protective covering of forests which originally held the rains. With the forests destroyed the lands were subjected to alternate destructive floods and devastating drouths. The fertile soil was swept down into the rivers, filling up the channels and so making the floods more destructive until finally the lands, once fertile and capable of sustaining large populations, became hot and barren deserts, burning up in the fierce heat of the summer and swept by the fierce, bitter cold winds of winter.

Undoubtedly the lands of the United States have suffered vast loss by reason of the same ignorant wasteful methods. It also is true that excessive taxation has laid a heavy burden on the shoulders of industry on the farms and everywhere else.

The question now is what can be done about it? Can the fertility that has been lost be restored? My opinion is that it can. For the first time it seems to me that really intelligent plans are being adopted by which erosion can be checked and former fertility restored. I have several times written about subsis-

tance farms. The Government at Washington has tried to work out a plan along this line, but the way it was operated foredoomed it to failure. This idea of building dwellings on these small farms costing anywhere from \$5,000 to \$12,000 is simply idiotic nonsense.

What might be done would be to help the industrious man with a family to build up for himself and family a comfortable home at small cost. He and the members of his family could do most of the labor, and all they would need to buy would be some necessary material and in many cases very little raw material would need to be purchased. Concrete is plentiful and cheap. Good looking and long enduring houses can be built mostly with concrete at a very moderate cost. Other buildings such as chicken houses, hog-pen, cellar for canned goods and fruits, all can be built almost entirely with home labor. Generally a well which will produce abundant water for household use, and with sufficient surplus to irrigate an acre or two, can be bored at very moderate cost and a good modern windmill will provide the pumping power. On a 10-acre tract sufficient food could easily be produced for the family and have a surplus.

General farming will perhaps always be a gamble, but a good deal of the present risk might be avoided. So I am looking toward the future with considerable hope and confidence. At any rate worrying about the future certainly will only add to our distress.

A Better World, or Worse?

IS THE WORLD growing better?" asks a subscriber who signs herself "Anxious Reader."

Well sister, if you really want my opinion, which so far as this question is concerned seems to me to be of very little value, I will say that just at present it seems to be getting worse. But that is not quite as discouraging as it might seem for the reason that my reading of history leads me to the conclusion that the progress of the world has never been steady. It sometimes has been on the upgrade for quite a while and then it would begin to run down hill rapidly. The forces of tyranny and injustice and wrong would seem for a series of years to be in complete control. The forces of nature seemed to vie with human depravity in making life as miserable for the masses of mankind as was humanly possible. Unspeakable poverty was the rule. Starvation was so common that it scarcely occasioned comment or pity. Human sympathy was so dulled by privation that it could scarcely be roused by human suffering. During the "thirty year war" Europe lost 50 per cent of its population and in some parts the people reverted to cannibalism.

Then the pendulum began to swing the other way and Europe enjoyed a period of genuine progress. Comparatively speaking, the masses enjoyed such prosperity as they never had experienced before. Since then there have been lapses when the world slipped backward, but never quite to the depths from which it had emerged. On the whole the people of the world are much more comfortable than they were a thousand years ago or 500 years ago. So we have reason to hope that we will come out of the present slump and head toward a greater prosperity.

THE KANSAS FARMER

Continuing Mail & Breese

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Farm Matters as I See Them

But We Paid the Bill

SEE increasing pressure being brought to bear, by those who believe they can profit from selling munitions of war and other war supplies to warring nations, to abrogate the neutrality act passed at the recent session of Congress.

As the world is constituted at present, it is well for the people of the United States to remember that the only way warring nations can buy supplies from us, down the road, is with money—credit—provided by the people of the United States.

About 20 years ago we did what we thought was a profitable business with warring Europe. We sold them billions and billions of dollars worth of goods of all kinds. When we tried to balance the books we found that we had shipped the goods to Europe; that we had paid for the goods; that all we had to show for the big sales was an 11-billion-dollar indebtedness.

There is no profit to the seller of goods when he delivers the goods, pays for the goods, and also pays transportation charges for the delivery. That is what we did during the World War. That is what we are going to be urged to do again. I say it did not pay us then. I say it would not pay us to do it again. I believe the American people have learned their lesson.

Kansas farmers, along with the rest of the farmers of the United States, have paid bitterly and still are paying for the "paper profits" they seemed to be making for a few brief years two decades ago. Farmers will pay the cost of another such experience, if we allow ourselves to be deluded again.

Slow With Tenant Aid

ONE of the good things the recent session of Congress did was to enact the farm tenancy act. Thru its provisions, Uncle Sam is going to lend money to tenant farmers with which they can buy farms of their own.

But it is going to be a long, slow business getting the program started, I am afraid. And not many tenants are going to get loans within the first few years. During the present year only 10 million dollars is available for such loans; also 10 million dollars for the purchase of submarginal lands and administrative costs.

Farm tenancy financing by the Federal gov-

ernment is an experiment—I hope and believe it will be a worthwhile experiment. But the amount appropriated for the current fiscal year, when divided among all the farming counties of the United States, will not finance much more than one tenant to the county in the smaller farming counties.

Your county agent will be the one in your county thru whom the program will be started. County committees will pass on all applications for such loans. The entire set-up for handling the program is in charge of the Secretary of Agriculture.

Successful, Growing Co-ops

CO-OPERATION among farmers is big business. It is sound business. I think all of us have heard about co-operative wreckages of the past so often we may under-estimate today's co-operative march of progress. The American Institute of Co-operation, which held its 1937 session at Ames, Ia., in June, puts it this way:

"Agricultural co-operation is the mechanism thru which the daily activities of almost half of America's farm families are thrown into gear with the complicated big-business setup of our modern world."

Most accurate figures show there are some 10,500 marketing and purchasing associations in the United States. About 5 per cent of these, I learn, were organized before 1900, which would make them 36 plus years old. Some 18 per cent are 26 years old or more, and 63 per cent have 16 years or more to their credit. It is estimated these associations have 3,660,000 members and patrons. Total value of products handled last season amounted to \$1,840,000,000. Indeed, that is big business, backed up by a reliable number of years of experience.

Of course, co-operation can be any size. A neighborhood co-operates to put on a picnic or home-talent play. If everyone lends a hand to the best of his ability, the event is a grand success. Everyone who doesn't give his full interest, perhaps for good and sufficient reasons, hampers the progress of that particular project. And I am sure that is the main factor in the success of any co-operative effort, large or small. That is, the amount of interest individuals show in it.

Big business co-operation merely is neighborhood co-operation grown up. If you grade and sell lambs along with your neighbors you get a

better market price. You can sell sufficient numbers of a certain grade to command the best price for that grade. If farmers over the entire U. S. do the same thing, and add orderly marketing, they can just about make the kind of market they want.

Same thing with wheat. Shortage of this important bread grain makes the price good this season. Farmers appear to be holding back a good deal of the crop for fall and winter marketing. This feeds it into the market without any hint of dumping. Co-operative wheat marketing can have a similar effect every year. Co-operation on the amount produced also enters the picture.

In all of this the important point to realize is that co-operation among farmers for their own good is successful, is growing in a very substantial way, and above all else is necessary. With modern business geared to "organization" in every other line, it is just good common sense to believe that farmers must organize and co-operate—or suffer financial loss and an inferior standard of living.

Costly Trade Agreements

I AM OPPOSED to, and shall continue to fight, the present Administration's reciprocal trade agreement program. I believe, and the statistics on exports and imports of farm products the past year show that such a belief is justified, that these agreements are being used to benefit American manufacturers at the expense of American agriculture.

Last fiscal year—July 1, 1936, to June 30, 1937—there were \$2.00 worth of agricultural products imported into the United States from abroad for every dollar's worth of farm products exported from the United States to foreign countries.

I say that is not giving the American market to the American farmer. When the United States imports of agricultural products total \$1,539,000,000, while sales abroad of American farm products are only \$732,893,000, then I assert that the American farmer is getting the worst of these trade agreements.

Arthur Capper

Poultry Feed Ample This Year

Market Barometer

Cattle—Fairly steady levels on all classes this month.

Hogs—Declines will be small, if at all.

Sheep—Not much change, altho feeding lambs may be stronger.

Wheat—Some strength expected, dependent on short yields in Australia and Argentina.

Corn—Lower prices sure to come soon.

Butterfat—Should be a seasonal rise this fall.

Eggs and poultry—Eggs working up slowly, and poultry somewhat higher.

RECENT advances in live poultry prices indicate the heavy stocks of frozen poultry are being discounted because of lighter receipts, as compared with a year ago, according to C. E. Dominy, marketing specialist. The number of young chickens in farm flocks in July was estimated at 19 per cent less than in 1936, and the smallest in 13 years. This is a great reduction.

The reduced storage supplies, coupled with a good consumer demand, should result in less than average seasonal price declines of poultry from now to December, and an advance is possible.

Farm prices of eggs this fall can be

expected to range near the price received in the fall of 1936, Mr. Dominy said. However, prices the first half of 1938 should be above those of the first half of 1937, as the size of 1938 laying flocks is certain to be smaller, and good consumer demand is expected to continue.

The relationship which supplies of various kinds of meat have to the price received for all meats, is inclined to be overlooked. For instance, there is rather strong competition between poultry and lamb, particularly in the Eastern population centers. Now, since lamb prices are expected to be strong in November and December of this fall, it is thought this may be a strong time in the price level of poultry.

There is bound to be a price relationship between beef and pork supplies and poultry, too. Beef is the stable meat of market consumers. When the housewife desires a variation from steaks or roasts, she is inclined to buy pork, but finding it relatively high as at present, she will turn to sausage and cured meats or at times to poultry. So we have the beef eater and the lamb consumer helping the poultry market.

In general, supplies of poultry feed will be plentiful in Kansas this year. There was a liberal harvest of oats and barley over a wide territory. The Eastern third of the state has considerable shriveled wheat which will make excellent poultry rations. While corn

harvest is going to be short, this grain likely will go first for poultry flocks. In Western Kansas are many fields of milo which will make up a considerable part of the poultry ration on many farms, and Eastern Kansas has a good kafir crop.

Total milk production on August 1 was decidedly larger than a year earlier and about as high as ever reported for that date. This condition was not entirely true in Kansas, but production was well above a year ago. The bureau of agricultural economics expects the usual seasonal rise in prices of dairy products during the fall and the relation to feed prices also will be more favorable. Cold storage holdings of creamery butter on August 1 were considerably larger than a year earlier, and above the average. Stocks of American cheese reached a new high for the month, about 25 per cent above the 5-year, 1932-36 average.

—KF—

Subsoiler Starts Gullies

Every good practice calls for some care in its use. For instance, in Thomas county, a subsoiler was used across a rolling wheat field to stop it from blowing last spring. Of course, the furrows were made east and west, to lie across the prevailing winds from southwest and northwest. This necessitated running some of them up and down the slopes. The subsoiler furrows were difficult to fill when summer

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$17.25	\$16.65	\$ 8.85
Hogs	11.35	13.00	10.75
Lambs	11.00	10.75	9.50
Hens, Heavy	.19	.20	.16
Eggs, Firsts	.19½	.18	.24½
Butterfat	.30	.28	.32
Wheat,			
Hard Winter	1.12½	1.10	1.23
Corn, Yellow	1.06	1.15	1.15½
Oats	.32	.29½	.46½
Barley	.67	.64	.84
Alfalfa, Baled	20.00	17.50	22.00
Prairie	11.00	11.00	14.50

came, in fact they were left untouched. When several heavy rains came water gushed down the subsoiler furrows and started small gullies. These are not yet serious, but they show how much danger lies in up-and-down-the-slope furrows. One solution would be to use a close-damming lister. Another to close the furrows when spring rains stop blowing.

—KF—

Kawvale Leads in Doniphan

Kawvale wheat ranked first in yield in the 1937 wheat variety test, conducted by E. B. Boyd, Bendena, Doniphan county. All varieties of the 10 tested were damaged by stem rust.

Better Sires Morris County Policy

FARMERS who followed the Morris county livestock and crops tour last month, found a varied and worthwhile program. On the first stop at J. P. Morgan's farm, Delavan, they saw a commercial cow herd with creep-fed calves following. The calves came early, Mr. Morgan pointed out, and had been fed on oats since July 1. Shortage of grain forced most cattlemen to wait until harvest to start creep-feeding. However, the Morgan cow-herd was wintered in excellent flesh, and as a result the calves were husky at birth, and even more important, the cows gave a good flow of milk which made the calves do well right from the start.

At Oscar Francis' farm, there is a variety test of sorghums. The Western Blackhull looked as if it would mature a good crop of grain before frost. Standard Blackhull was not so certain, but grew taller. Pink kafir was in position to mature grain. A plot of Darso looked as if it would yield well, but D. Z. McCormick pointed out the grain is bitter and not relished by livestock. A new variety, Kalo, promised to make a good yield. It is rather short, but too tall for combining. The Atlas and Kansas Orange varieties showed they would make the most forage. The Atlas is a little more leafy, but the grain not so far advanced. Corn growing right alongside these sorghum varieties did not appear to have chances for more than a very light grain crop.

An almost ideal farm pond is located in George Gehrke's pasture, White City. It was empty the day the farmers were there, but this was because the water had been let out to complete the rip-rapping of the dam.

Western Land Pays Well

A quarter-section of land in Comanche county has paid the owner, Jim Murray, Hutchinson, 14 per cent on his investment the past 2 years. With these figures in mind he has decided to hold onto the land instead of taking offers to sell it, for as he said, "Any land which has paid 14 per cent the last 2 years, is worth keeping a while." This summer he received 767 bushels of wheat as his share of the wheat crop grown by a Comanche county farmer.

The water side of this dam is sloped 3 to 1, while the lower side is sloped 2 to 1. There is an outlet pipe, with 3 concrete cores, 4 feet square and 6 inches thick, laid inside the dam to keep water from seeping along the pipe. One slope in Mr. Gehrke's pasture which would drain onto a plowed field, has a diversion ditch across it and the water is carried into the pond. Then there is natural valley drainage. Native stone has been laid carefully over the front of the dam and a small amount of concrete used to plaster it. The pond is fenced, and also the dam, so that livestock can be let into the pond in case the water gets too low to drain out the pipe and into a tank below. J. J. Moxley said farmers in Greenwood county had used a "T" on the pond side of their outlet pipes. The intake is turned upward, and a wooden plug is placed in the straight end of the pipe. Then if the pipe becomes stopped, the plug can be removed and a plunge-rod of some kind used to open it.

Keeps Pasture Quality Up

During the short rainfall years, Edgar York, Morris county, has carried his Angus cow herd with an allowance of 3 acres a head. This has been done by deferred grazing, rotation of pastures, and mowing weeds. Mr. York doesn't turn into short pastures until about June 1. While he has been carrying a head to 3 acres, cattlemen across the fence have been forced to allow 6 acres a head. The only time Mr. York burns a pasture is right after a rain. At this time only the top grass and weeds will burn, and the heavy mat of grass and humus is not damaged.

The Morris county tour ended at the Moxley-Hall farm, Dunlap, where Jerry Moxley keeps a high grade herd of Herefords and some good Percherons. A barbecue lunch was served, after which Thomas F. Doran, Morris county Hereford breeder, gave a talk

packed with stories of early days in the Flint Hills. He said Morris county, 15 years ago, had more Hereford breeders than any county in the United States. Will G. West, Kansas Livestock Sanitary Commissioner, was there and praised the Kansas cattlemen. He said he thought Eastern Kansas breeders were in good financial condition now, and praised the faith and courage of breeders farther west who have stayed in the game despite burned pastures and short feed crops.

Both the Doran and the Moxley Hereford cows were bred in the Hamilton herd of Brown county. Looking at these two groups of cattle was a lesson in uniformity, and this was one of the things Mr. Moxley stressed. He also said a good herd sire was still an all-important factor in breeding good cattle.

Mr. Moxley led out a 22-year-old mare, which has been raising colts since she herself was young. At present she has an outstanding grey filly at her side. This colt has snappy action which drew praise from the crowd. Mr. Moxley said her excellent condition was due largely to the heavy suckling of the old mare.

-KF-

Another Beef Tour Success

Two hundred fifty Comanche county cattlemen and visitors enjoyed a barbecue beef dinner served at the Jackson Brothers Ranch on the Second Annual Comanche County Kansas Beef Tour. The tour was sponsored by the Comanche County Farm Bureau and Comanche county cattlemen and was under the direction of H. L. Murphey, county agent.

Visitors included W. G. West, secretary of the Kansas Livestock Association; J. J. Moxley, extension livestock specialist; E. G. Kelly, extension livestock entomologist; Prof. A. D. Weber, animal husbandry department, Kansas State College, Manhattan; "Hi" Colburn, Hereford breeder of Hodgeman county; Jesse Greenleaf, Ed Robbins, and Cy Miller, Hereford breeders from Kiowa county; and others from neighboring counties.

The beef for the barbecue was furnished by Fred Parker and Jackson Brothers with others contributing their part.

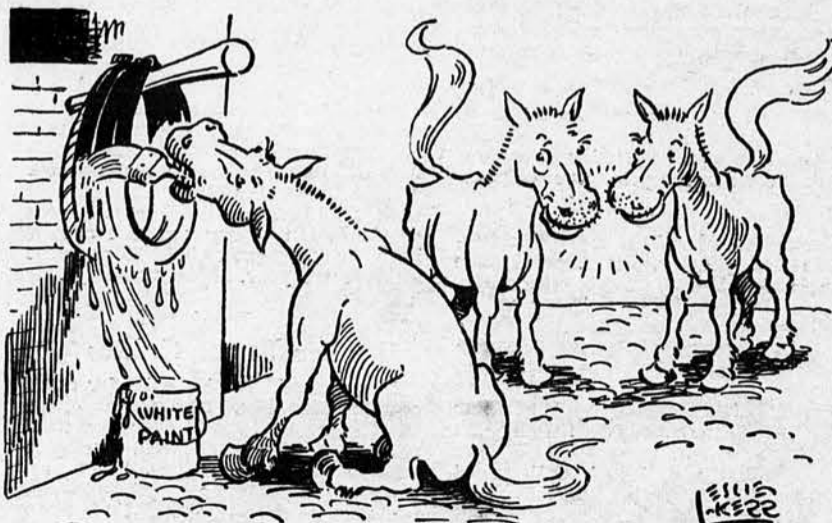
The major part of the noon day program was the selection of the County Purebred Hereford Show Herd that will be shown this fall. Five bulls and 5 heifers owned by 6 different men will be shown. These animals may be seen at the Southwest Kansas Fair at Dodge City and the Kansas State Fair at Hutchinson.

On the tour cow and calf herds, purebred herds, and yearling steers were shown. Around 5,000 head of cattle were visited.

-KF-

An Early Blackhull

A number of farmers growing Early Blackhull wheat in Gray county, found that it matures earlier by several days than other varieties. This is a distinctly different variety from ordinary Blackhull, Glenn Nugent, Gray county, harvested a field of the early variety which made 20 bushels to the acre. It was on carefully summer-fallowed ground.



"He thinks it may get him a white collar job."

Why He Farms on the Level

THERE is no question about the importance of holding moisture on the land where it falls," said C. C. Calkin, owner of 800 acres of farm and pasture land in Kingman county. In 1935, he planted kafir on the contour and raised heads fine enough to show at the county fair, when little feed was raised in his neighborhood.

Early in 1936 Mr. Calkin placed 350 acres of his land under agreement with the Kingman Farmers' Soil Conservation Association. Since then, terraces have been constructed on 200 acres, and more are under way.

Where needed most to build up the soil, Mr. Calkin does blank-listing on the contour, then broadcasts 12 pounds of Sweet clover seed to the acre. The contour-listed furrows hold the moisture, and this has proved a satisfactory way of getting Sweet clover established on depleted soil.

"Some of my land which once produced 40 bushels of corn to the acre has been abandoned as farm land, because the top soil has been allowed to leave the fields," Mr. Calkin said. "I intend to get this land back to grass just as rapidly as possible. Much of our grass land should never have been touched with a plow. We were late in realizing this, however, and now all we can do is endeavor to get it reseeded to grass. Grass is a wonderful cover for soil."

Good Herds Seen in Chase County

MANY good practices were observed by farmers in Kansas counties holding annual beef tours last month and early in September. The first stop on the Chase county tour was on George Whitcomb's farm, where he has won a reputation for growing good Atlas sorghum. Mr. Whitcomb believes a good seedbed is the main point in growing sorghum. He usually tills his ground 2, 3 or 4 times before seeding and then puts in the sorghum seed with a surface planter at the rate of 3 pounds to the acre. This may sound thin to Eastern Kansas farmers, but it has been thick enough to make best yields on Mr. Whitcomb's farm, where early weeds already have been destroyed.

R. D. McCallum had the most uniform group of early calves seen in Chase county. He has 54 cows, from which he saved 52 calves. About 90 per cent of the calves were dropped in late February and early March. Only 4 calves came after March 20. Mr. McCallum has found that early calves are absolutely necessary to success in creep feeding.

To see some of the stock which will appear in Chase county's show herd, farmers called at Dr. A. E. Titus' farm near Bazaar. There they saw a January bull calf weighing 580 pounds. Out in the pastures, early calves which have been eating from a creep since July 1 were outstanding in their quality and condition.

An item of interest to visitors at the state fairs this year will be the show herd exhibited by Billy Brant, who showed a grand champion Hereford heifer last year. He is the son of Paul Brant, one of the Brant brothers well known in Kansas for their extensive cattle feeding.

An unusual feeding project is under way in G. M. Miller's feed lot, near Cottonwood Falls, where 25 head of good quality yearling heifers were brought in from the pastures on August 1. They are being fed 2 parts oats, 1 part wheat, and 2 parts cottonseed cake, along with all the molasses they want.

Keith Stout has one of the outstanding Hereford cow herds of Chase county and is going to furnish a junior bull calf

for the Chase county show herd. The cow herd here is headed by a grandson of old Prince Domino.

Drummond Bros., Elmdale, are keeping a herd of cows for which J. J. Moxley, extension beef specialist, said they would have a difficult time finding a herd sire which would make improvement. The 70 cows are already of high quality, making the selection of herd sires a matter of considerable painstaking search.

On the Browning Ranch, managed by T. F. McKee, is one of the most modern and complete livestock handling units to be found anywhere. There are four adjoining feed lots holding as many as 1,000 cattle. The holding pens, scales and chutes are patterned after those of the big stock yards, but on a much smaller scale. The large granary has a grinder off the driveway which sends ground feed to the overhead bins.

The finest Shorthorn herd in Chase county consists of 135 head of registered animals, and a group of good grades, on W. V. Harshman's ranch. Two heifers, a 2-year-old bull and 3 baby heaves are being fitted for the show by Frank, son of W. V. Harshman. Frank had the grand champion steer at the Kansas State Fair 2 years ago.

-KF-

The Largest Beef Tour

Probably the largest annual county beef tour held in Kansas this year, from the standpoint of numbers in attendance, was held in Kiowa county. Four hundred and fifty people attended. The caravan of cars picked up in size as it left Greensburg, and visited in order the Charles Einsel ranch, the Bert McFadden farm, H. H. Sherer's children's 4-H beef projects, and the Clarence Ralstin Shorthorn farm.

The herds of two outstanding women were seen next, at Miss Elizabeth Briggs' ranch and Mrs. M. A. Wright's farm. Miss Briggs keeps Herefords, Mrs. Wright has Angus cows and calves.

The tour covered a large territory, making stops at H. P. Parkin's, George J. Parkin's, the Greenleaf Ranch, Robbins Ranch, John H. Wright ranch, and J. B. Schaefer ranch before noon.

A fine barbecue lunch was served by the Robbins Ranch at the Mac-L park in Belvidere. In the afternoon stops were made in the southeast part of the county with Cyrus Miller, Charles Rezeau, E. M. Pyle, and C. C. Piester.

-KF-

Good Bulls Get Big Calves

On the Lonker ranch, Medicine Lodge, the Hereford calf crop has averaged more than 500 pounds at weaning every fall. One year the calves made nearly 550 pounds. The calves were dropped from February 1 to March 15. The Lonkers pay particular attention to keeping good bulls, and they provide a mature bull for every 20 cows. This enables them to have their calf crop come within a limited period of time. Since most of the calves are sold as feeders it is important to have them as uniform as possible. Careful wintering of the cows is one of the important steps.

Now GOODYEAR GIVES TEETH TO TRACTORS

New Sure-Grip Tractor Tire

SETS NEW HIGH IN DRAW-BAR PULL THROUGH MUD WET CLAY AND GUMBO

LOOK AT the high, sharp lugs in this tire's tread!
See the wide spacing between those sure-gripping, high rubber cleats—the wide angle of pitch—the high, earth-cutting shoulders—all for extra traction!

Look at that tread and remember it well.

It's the tread of Goodyear's great, new Sure-Grip Tractor Tire—the surest-footed, hardest-pulling tractor tire ever developed for mud, wet clay or gumbo!

Goodyear designed this deep-biting new tire as a running mate for the famous All-Traction Tractor Tire—and as an important addition to the most complete line of farm tires offered by any manufacturer.

Valuable experience gained in building Sure-Grip Tires for cars and trucks gave direction and point to its development.

It is husky and incredibly tough, with rubber chemically hardened to resist cuts and retain the sharp, biting edges of its lugs.

Even in the stickiest gumbo or rain-soaked clay, its tread cleans itself effectively with each revolution of the wheel. There is no place for mud to lodge.

And, of course, Supertwist Cord in every ply of its huge carcass gives it the stamina to take all the punishment in store for it and ask for more.

If you are farming land on which wet or sticky soil conditions prevail, be sure to order or specify the new Goodyear Sure-Grip Tractor Tire when you change over from steel wheels or when you buy a new tractor.

In the meantime, see this great, new tire at your Goodyear dealer's store.

HORSE SENSE ABOUT TRACTOR TIRES

No one tractor tire tread is *best* for *all* types of soil.

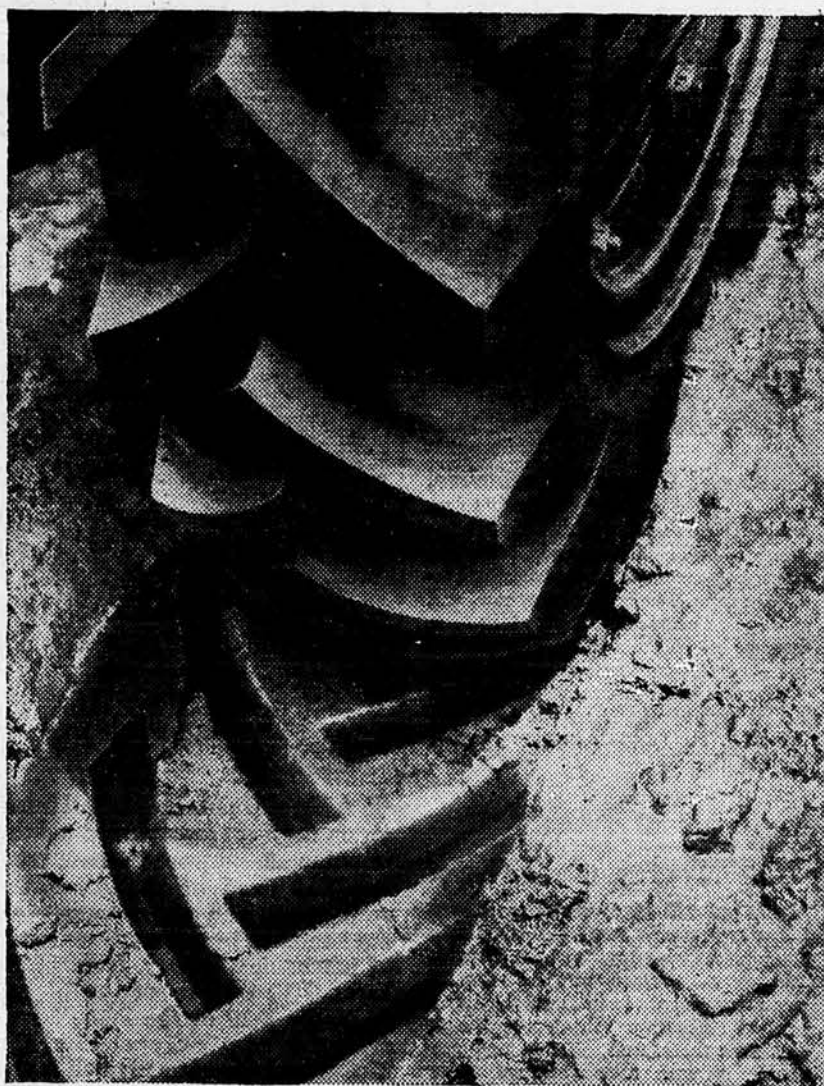
A tread designed to give maximum traction in mud, gumbo, wet clay or other kinds of heavy soil has a tendency to dig itself in if used in loose soil. The same tread has a tendency to tear up cover crops.

A more compact type of tread, such as Goodyear All-Traction tread, is best suited to sand, loam and other loose soil conditions. And it is ideal for cover crops.

Other treads are especially suited to cane and rice fields; still others for wheels through which power is not applied.

Tractor manufacturers, before the days of "rubber," had as many as 40 different steel lug combinations to fit different soil and road conditions. For the same purpose, Goodyear builds a number of different tractor and implement tires. Choose Goodyears, the *right* Goodyears, to be sure of most satisfactory results.

THE GOODYEAR TIRE & RUBBER COMPANY, INC., AKRON, OHIO



NEW SURE-GRIP COMPANION TO THE FAMOUS ALL-TRACTION TRACTOR TIRE



All-Traction
Tractor Tire



Rice and Cane
Field Special



Sure-Grip
Implement Tire



Ribbed Front Wheel
Tractor Tire

GOODYEAR

MORE FARM TRACTORS
ARE EQUIPPED WITH
GOODYEAR TIRES
THAN ANY OTHER KIND

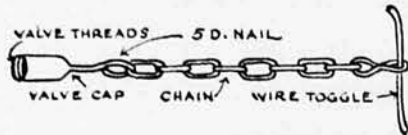
Ideas That Come in Handy

BY FARM FOLKS

To Avoid Confusion

Mark the children's lunch buckets with coil celluloid bands such as are used for marking poultry. Put one on the bail and one on the lid. These marks need not be removed when washing the pail and the use of different colors for each child's box will save many arguments about ownership.—Mrs. Cleve Butler.

Holds Tire Valve



When mounting or demounting tires on drop center wheels, the valve will often not stay in the hole thru the wheel, but will work back into the tire. So I made the little device here shown which is screwed to the tip of valve and makes recovery of the valve easy. Drill a hole in end of tire cap. Run a 5 penny nail thru the hole from inside of cap. Cut off about 1/2 its length and bend a hook on it and clinch over a few links of chain. At other end

of chain have a toggle like used on a dog chain.—Wayne Taylor.

Sorghum Strainer

Make a loop of a piece of No. 9 wire and sew a big flour sack around the loop, cutting the sack to run down in a point. The sack should not be closely woven. Put wire handles on opposite sides. Wash every time sorghum is strained.—Mrs. Imogene Adams.

Just a Reminder

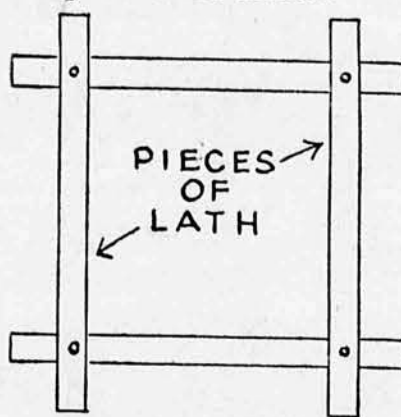
When I am thru with the farm equipment for the season, I always make a list of the different parts to be repaired, or any adjustments to be made before being used again. This helps my work in the spring, as I have everything in good condition, and do not have to stop my work to make repairs.—P. L.

Circular Saw Cover

When moving the circular saw of a wood-sawing outfit, and there are lots of such outfits in this country, take a discarded tire casing and sever it com-

pletely in one place and fit the circle saw inside the casing. Usually the diameter of a casing and a saw of this kind is about the same. Handled in this way it can be moved in a truck, wagon or car, is not likely to get dulled and the boy handling it runs no risk of getting fingers cut.—Frank James.

Simple Strainer Holder



Not the least job in taking care of milk where several cows are milked, is the straining, if the strainer is held in one hand and the bucket of milk hoisted with the other, especially if the separator tank is high. A simple strainer holder can be made by nailing

together pieces of lath as shown in illustration. Place holder over separator tank, put strainer in square, and both hands are free to handle the bucket.—B. E. M.

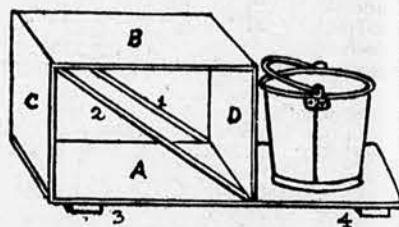
For Stained Windows

For the ugly stains on outside windows from rain leaking thru the screens, buy a little muriatic acid at the drug store, which is quite inexpensive, and apply with a small dish mop or improvised mop made by tying rags to a stick. The acid is hard on the hands. Let the acid remain on the glass a few minutes and then wash in the usual manner. This will remove all that obstinate stain.—Mrs. Cleve Butler.

Feedbox on Wagon

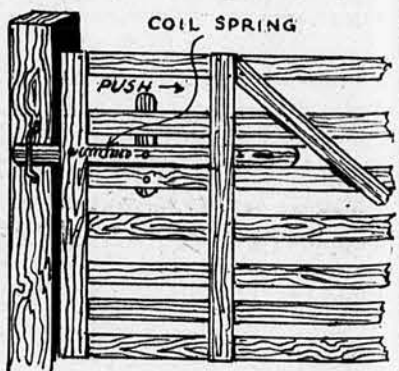
While helping a neighbor thresh recently I saw a clever plan worth passing on. Before threshing time a feed box was attached to the back of the hayrack with hooks. At noon, the horses are fed from this box saving worry and bother of finding a place for the team in the barn or in a grove. This feed box makes a convenient place, when hung in the barn, for halters and other things necessary when not in use at threshing time.—A. Gore.

Handy Milk Stool



This stool is ruggedly built, yet light enough to carry about easily. It is well balanced and makes a comfortable seat. The board A is prolonged to make a clean and sanitary place to set the milk pail. To make this milk stool, 4 boards 8 inches wide and 1 inch thick will be needed. Board A is 24 inches long, B 12 inches, D and C each 10 inches. Fasten top board B to side boards C and D. Next put board A in position parallel to top board B. Braces 1 and 2 are put in next, and then boards 1 by 3 inches (3 and 4) are put across ends to protect board A. A ring or hook for hanging can be put on.—Mrs. Raymond Atkins.

A Safety Gate Latch



If you have stock that are bad about getting out or opening gates, try a gate latch like the one shown. It is not easy to open a latch of this kind without pushing the lever, so it is difficult for an animal to push it open.—John W. Ballard.

To Keep Apples

Apples are kept well by my method. Bore holes in the bottom and sides of a barrel and store the apples on a dry platform a foot or more from the ground. When only a few apples are available for storage, a good plan is to carefully wrap them singly in paper, then pack them in layers 3 or 4 deep in shallow boxes and place them in the coolest place in the house or cellar.—Mrs. C. B.

Ease for Calloused Feet

For calloused feet, soak in warm water until callous is soft, wipe dry and massage well with castor oil. More than one treatment may be necessary to get relief.—Mrs. N. C. H.

MCCORMICK-DEERING

FARMALL

POWER

and Life on the Modern Farm

Buy on
INTERNATIONAL HARVESTER'S
Income-Purchase
Plan



Fred and Conrad Stauffacher, Monticello, Wis., (at right) ready to go to work with their big rubber-tired Farmalls, F-20 and F-30. Fred and Conrad are the third generation on a successful Wisconsin farm. They raise corn, oats, and alfalfa and center their operations on a herd of 160 Holstein cattle. Hay acreage is about 100, corn area running 120 to 150 acres a year, and oats the same. They do practically all their work with two Farmalls. They also do custom plowing for neighbors.

Here's what

Mrs. Fred Stauffacher writes:

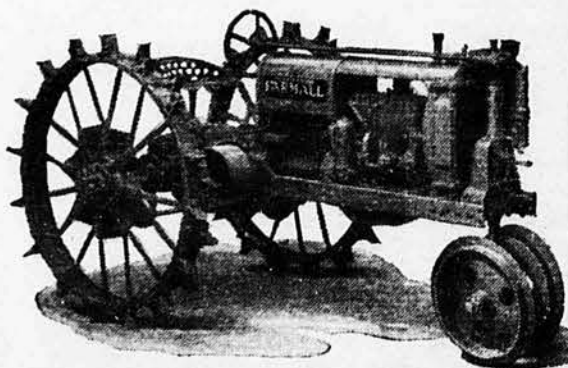
"I was brought up in the city, but here I am now, a farmer's wife, and I wouldn't trade places with anybody in the world. We have all the conveniences to make work easy, just as our husbands have the tractors and other things to make it easier for them. And, because they are always up with their work, we don't have to do any of the outdoor tasks that many a woman has to do on the poorly equipped farms. That way our husbands find real home life when they come in at the end of the day's work."

● A big share of the life and interest on the farm revolves around the popular all-purpose Farmall tractor. The head of the house, the youngsters, and the women—all are benefited by the ready presence of mechanical power. It may be a Farmall 12 or one of the bigger units, the F-20 or the F-30. Whatever the crop or operation, the McCormick-Deering Farmall is the power that brings efficiency and system to the farm.

Find out what Farmall power and equipment can do for your family's future. The McCormick-Deering dealer will demonstrate any of the Farmall sizes. Ask about the long list of Quick-Attachable machines and the new tool-bar implements made for the Farmall 12.

International Harvester's Income-Purchase Plan makes it easy to buy McCormick-Deering equipment.

INTERNATIONAL HARVESTER COMPANY
Harvester Building (INCORPORATED) Chicago, Illinois



Notice! FARMALL 12 price now reduced to . . .
\$625 f. o. b. factory

with regular steel-wheel equipment. Belt pulley \$4 extra. Same reduction on F-12 with rubber tires.

MCCORMICK-DEERING

Until Dinner Is Ready—

BY THE EDITORS

Surprise! Hiram Young, of Stroud, Oklahoma, reports that his Guernsey-Shorthorn cow gave birth to quintuplets. "You can imagine how a man feels when he goes out expecting one calf and finds the ground covered with them," he said. One of the calves was lost before he could summon aid.

Gas Saving: Testing 13 different makes of cars, the American Automobile Association reports that at a speed of 30 miles an hour the cars averaged 18 miles to the gallon of gas. At 60 miles an hour they averaged 12.6 miles and at 80 miles an hour only 8.6 miles.

Party Line: Skippy, a dog belonging to a Connecticut woman, knows one telephone ring from another. His mistress lives on a party line and her ring is one long and two shorts and when Skippy hears that ring he gets on a chair and barks until the telephone is answered. He ignores other rings.

Farm Autos: An automobile manufacturer reports that crops from more than 500,000 acres are used in making 1,000,000 automobiles in that plant. In addition to hides from 30,000 head of cattle, mohair from 87,000 goats, wool from 800,000 sheep and lumber from the equivalent of 25,000 acres of forest.

School Days: Harry Everett, of Potwin, has a geography book more than 100 years old. The book was used by his father. It has map pictures and no reading matter. Kansas is shown as part of the Nebraska and Indian Territory.

Turkey Guards: A goose and a young dog cared for more than 1,000 turkeys raised this year by Ern Hixson, Hiawatha. If a turkey wanders away or someone molests the flock, the pair raise their voices until someone comes to investigate.

Last Look: Eager to see Wichita's points of interest once more before her eyes fail her, Mrs. Paulene Garbersen, 84, chartered a 25-passenger bus and took a 3-hour ride. She is suffering from impaired vision and hearing.

Dethrone Eagle: A movement to dethrone the eagle as the national emblem and set up the turkey to reign is reported. Benjamin Franklin sponsored such a movement in 1784, but the eagle supporters were victorious.

Legless Swimmer: Charlie Zimmy, a legless swimmer, swam in the water continuously for 144 hours from Albany to New York City down the Hudson River to set a new world's endurance record.

Machine Age: The first tractor built especially for farm work and powered by an internal combustion engine was completed and put into service in 1901. Today there are 1,248,000 tractors on farms in the United States.

Harvest Time: Six hundred meals were prepared for threshers during the wheat harvest by the Ladies' Aid Society of the Peoria United Brethren Church.

Shorter Shirts: Germans may cut off their shirts, 4 inches to a shirt, to save cloth. In a year's time 1,894 miles of cloth would be saved.

Bookless Learning: A school opened at Ellison Bay, Wisconsin, that has entirely dispensed with books.



"Hog-coiler, my eye! Sounds more like a freight engine to me!"



A Candid-Camera Tour of



Standard Oil Customers

What has good motor oil to do with raising pure-bred cattle?

Edward Balzer, prominent young farmer of Inman, Kansas, claims that one helps to make the other possible. Here's his story about Standard Oil to prove it . . .



● Personable, young "Ed" Balzer was born and raised on his place. This fertile 640-acre farm has been in his family since 1875, when his grandfather took out the title. In addition to growing wheat and oats, Mr. Balzer makes a hobby—and also a successful business—of raising Polled Durham cattle.

"It takes time and lots of it, to raise pure-bred stock," Mr. Balzer declared. "I have to farm pretty much on schedule in order to give my Polled Durhams the attention they demand. There's no greater farm tragedy than a tractor breakdown. It isn't just the cost of the repair bill—it's the time and money lost by being unable to take advantage of good weather—or having to let ripe crops stand in the fields. And that's why I count so much on Standard Oil lubricants and fuels. Iso-Vis motor oil keeps my mechanical equipment ready for any amount of work at any time.

"Iso-Vis is economical to use, too," Mr. Balzer continued. "To date I've used only 7½ gallons of Iso-Vis in farming this year's 600 acres of wheat and oats. I drained every 200 operating hours, without having to add a drop of oil in between!"

FARMERS FIND GREATER ECONOMY AND FINER PERFORMANCE IN ISO-VIS MOTOR OIL

With Iso-Vis lubricating the motors of your farm equipment you save money on every quart of oil you buy! You save costly "lay-offs" and expensive repair bills. For Iso-Vis really protects. You can't buy a finer motor oil for your tractor, truck or car.

POLARINE, another Standard motor oil, has been held in high favor on the farm for over 20 years. Use it confidently in your motor car, truck, tractor, lighting plant and other machinery. Ask your Standard Oil agent to demonstrate the superior qualities of Iso-Vis or Polarine in your own equipment on your own farm. Phone him today.



"ASK ME ABOUT SAVING MONEY ON MOTOR OIL FOR 1938!"

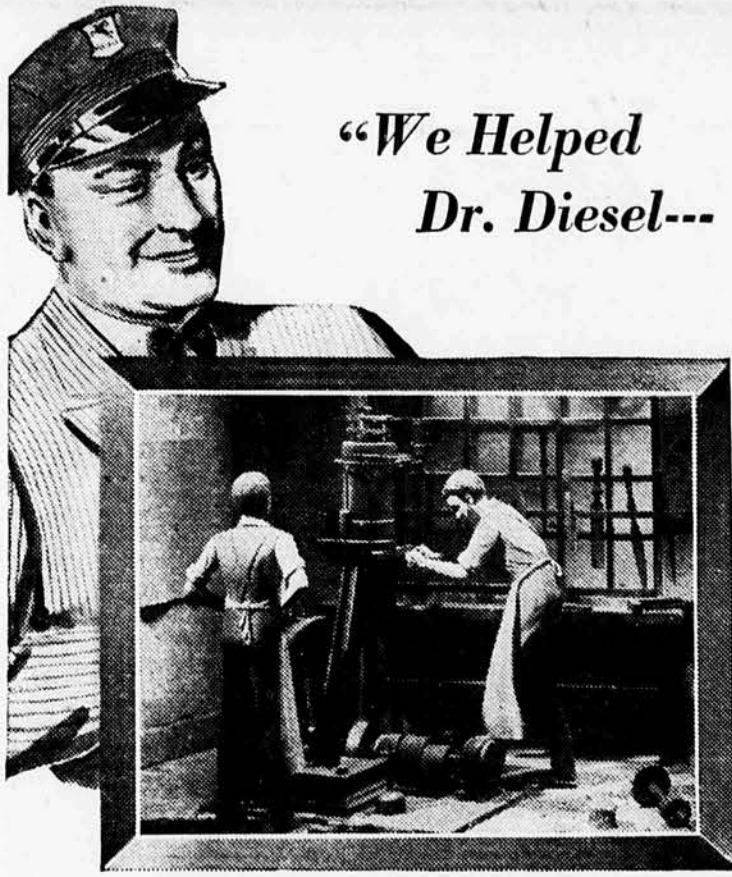
"I know every single one of my farm customers will want to know about the money-saving plan Standard Oil has for your 1938 motor oil needs.

"I'm not going to try and give you the details of this plan right now—but wait until you see me before you buy your next year's motor oil supply! This plan saves you time and money and is the most convenient way of obtaining your motor oil supply. I'll be seeing you soon with the big news!"

STANDARD OIL COMPANY

Copr. 1937, Standard Oil Co.

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



*"We Helped
Dr. Diesel--"*

**....AND WE CAN MAKE YOUR
FARM MACHINERY RUN BETTER!"**

LIKE EVERY WHITE EAGLE AGENT,
I'm glad to be working for a company which has been successful in solving great problems of this machine age.

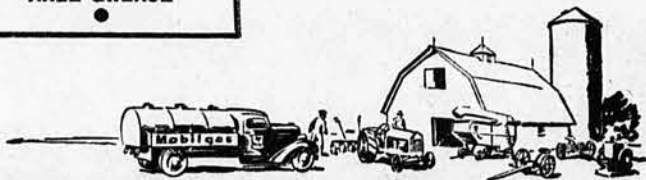
It's great to know that the same folks who helped Dr. Diesel with the problems of his great engine also make Socony-Vacuum's

POWERFUEL NO. 1.

They sure made a success of this fuel for tractors! It is just right — smooth, slow-burning, powerful and economical.

- YOUR FRIENDLY
WHITE EAGLE
AGENT SELLS
THESE FAMOUS
FARM
NECESSITIES:**
- POWERFUEL No. 1**
 - MOBIL OIL**
 - MOBIL GREASES**
 - LUBRITE TRACTOR OIL**
 - CATTLE SPRAY**
 - KEROSENE
DISTILLATE**
 - MOBIL GAS**
 - TRACTOR GEAR OILS**
 - AXLE GREASE**

Powerfuel No. 1 lets a farmer get more work out of his tractor and it performs as well on the turns as on the straightaway. Does not overheat!



SAVE MONEY · GET BETTER RESULTS · PROTECT EQUIPMENT

SOCONY-VACUUM PRODUCTS

FOR EVERY FARM NEED

Seeding Nears in Shortgrass Land

By **HARRY C. COLGLAZIER**
Larned, Kansas

WITH the arrival of September wheat farmers begin to think seriously about sowing wheat. Rains following harvest has made it possible to prepare a good seedbed. If the Wheat Belt can get a good rain about the middle of September the crop will go into the ground under the most favorable conditions that have existed for years. At present the top soil is dry and there is considerable danger of losing the seed by wireworms. There has been a wide variation in the system used by different farmers in the preparation of their land for wheat this year. Considerable land was plowed this year with a moldboard plow. A large acreage was listed, worked down and then either harrowed crosswise or duck-footed. Many farmers have gone over their ground as many as 5 times.

The fine condition of the seedbed is going to cause farmers to sow earlier than usual for the best yield. They want to get a good growth of wheat on the ground to hold the soil from blowing in case of a dry spring. During the last few days most of the plowed wheat land that has not been cultivated since the last rain has been blowing badly. Soil blowing is one of the greatest fears of the wheat farmer. Business men report one of the heaviest sales of new drills in many years.

Cactus Aids in Reseeding

It is remarkable how rapidly the cactus has spread in the pastures and grass land the last few years. On some of this sand hill pasture land there is little growing but cactus. The dry years have been very favorable for the spread of the pest. Many farmers have cut it out of their pastures. This practice has several good features and one bad feature. Removing all of the cactus will hinder the return of the grass because the stock will leave quite a little grass around every bunch of cactus. The grass thus protected from the stock will produce seed and contribute quite a lot to the reseeded of the pasture. However, in some pastures it is necessary to thin out the cactus every year to even give the new grass a chance. A pasture cleared of all the cactus looks fine but likely a much longer time will be required to get the grass back than if some of the cactus is left to protect the grass.

A friend in western Kansas says he has learned something about starting trees in that section. He makes the first planting of trees at the south edge of the location on which he expects to plant other trees. The first row gets well started before the other trees are planted on the north side. The larger row first planted will protect the trees planted later and they will grow faster and straighter. If all the trees are planted at the same time in a few

years the entire group of trees all will be leaning badly towards the north due to the wind. This little scheme sounds very logical and probably might help in getting a nice grove of trees started.

Alfalfa Situation Serious

How we are going to get along without any alfalfa is a question in the minds of too many farmers in the western half of the state. The stands have been thinning rapidly for several years and conditions have been very unfavorable for new seedings. Many farmers have had to plow up their last acre without having an opportunity to get more started. A few fields of alfalfa were seeded late last fall and made a good start and lived thru the winter but they have done no good this summer. No crop has been cut from most of the last fall's seeding. Now it is doubtful if these fields ever will be good stands after a poor start. Many old timers say that if the alfalfa roots do not go down deep the first year they never go deep and slight drouths cut the production badly.

Several newly sown fields can be seen over the country now but most farmers are fighting the 'hoppers' to save the stands. Unless favorable weather comes the newly sown alfalfa is in for a hard fight. Very little seed will be produced in this county this fall. A few fields in the Pawnee Valley and some that have been irrigated will produce some seed. Alfalfa fits in well with any good system of farming or stock raising but how can we get it to grow with seasons like they have been for several years?

—KF—

A Trend to Livestock

By **LEONARD F. NEFF**
Washington County Agent

Two carloads of ewes were received in Washington county last month from the Idaho range. These young western ewes will become foundation flocks on the farms of Louis Fiser, Archie Taylor and Lloyd McAtee, of Mahaska, and John S. Wood, of Clifton. About 500 head of ewes were included in the shipment. Mr. Wood and Mr. Fiser made a trip to the Clarence Lacey purebred Shropshire flock north of Topeka and purchased 8 head of rams to head their flocks.

The introduction of sheep into the livestock program on Washington county farms is indicative of the trend of many farmers toward a system of farming that is adapted to the average crop year experienced here rather than a system that cannot succeed except in years of good crops. Sheep can utilize roughage crops to produce wool and lambs.

Kansas' American Youth Foundation Girls



The Kansas 4-H girls' group attending the American Youth Foundation camp at Shelby, Michigan, last month. The girls are all leaders in 4-H club work, with a number of years of experience in leadership as well as other projects. Back row, left to right: Adeline Shinn, Ottawa; Mercedes Williams, White City; Mary Louise Liebrand, Wichita. Middle row, Verneada Allen, Wellington; E. M. Neal, Home Demonstration Agent, Olathe; Minnie Maude McCaulay, Ottawa; Alma Deane Fuller, Courtland. Lower row, Olive Lucille Ater, Fort Scott; Margaret Wilson, Wichita; Grace Erion, Ottawa; He'len Weber, Liberty.

Our Busy Neighbors

ALL OVER KANSAS

One dollar paid for each of the two best contributions for this Neighbor page. Address Farm Neighbor Editor, Kansas Farmer, Topeka. We reserve privilege to publish all communications sent. No manuscripts can be returned.

Ton Twins Tax Butcher

John Clark, Pratt, has two big twin Whiteface steers. They are 6 years old and weigh 2,760 and 2,830 pounds. People who have seen these mammoth animals are struck by the fine conformation of both. Such large beeves usually are poorly built. These two are the offspring of a good Shorthorn cow and a Hereford bull. Mr. Clark's biggest problem now is to find a butcher or packer whose equipment is strong enough to handle the huge carcasses which these two steers will dress out.

Hinged Pole of Pipes

A high pole for his radio battery wind-charger was made from several old metal pipes, by F. A. Diers, Kinsley. The 2 upper lengths were frames from an old header, and were welded together. The lower length was heavier. This long pole is hinged between strong poles, about 20 feet from the ground and can be turned down and brought to the ground by loosening guy wires which hold it in place.

Alfalfa Seed Little Trouble

Seventy acres of alfalfa produced seed on Lou Watson's farm, Ottawa county, this year. This crop will make more than most wheat yields, and beside there has been hay harvested. One nice thing about alfalfa is that it doesn't require much expense except to harvest. As Victor Stuewe, Ottawa county agent remarked, "When you go to the field it is to harvest hay or seed, and not to prepare the land every year."

First Terraces in Thomas

The first terraces in Thomas county were constructed by Guy Olson on his farm southwest of Colby. He is terracing 2 medium-sized fields, primarily for the purpose of conserving rainfall. He expects to continue tilling the land on the contour, with such tools as the field cultivator, lister, and the deep-furrow grain drill. An elevator-grader was used to build the terraces, the equipment being rented from the local township.

Tests for Superphosphate

Oliver Shoup and Gerald Trautwein of Udall, Cowley county, are both cooperating this fall in testing the value of superphosphate on wheat. Walter Hunt, of Beaver township, is including some fertilizer plots with the alfalfa he is seeding.

Broad Terraces Best

Some terraces are too narrow and some are too high to work over with machinery. The terrace that Hal F. Eler, extension engineer, built at

Frank Stouffer's, south of Glen Elder, at a recent demonstration, was broad enough that spectators agreed it would not bother a combine when approached from any angle.

The soil and moisture saving program being used by Mr. Stouffer includes 80 acres of land listed on the contour. Some of this is summer fallowed. Most of the summer fallowed land will be planted to wheat while some will be saved until spring for Atlas sorgo and another part will be seeded this fall to brome grass for terrace outlets. Next year the whole farm will be handled on the contour.

Crows Select Ripe Melons

"A wild crow is the best picker of ripe watermelons in the world," says Charles H. Wagoner, Blue Rapids. "When he goes into a patch looking for the ripest one he never misses." Mr. Wagoner says that if you want to find the choicest melon in the patch always select one a wise old crow has pecked on.

Kawvale Rust Resistant

Just before harvest a drive thru Linn county revealed that Kawvale wheat was resistant to rust. One could pick out the fields of Kawvale by the way they stood up and showed lack of rust. Farms on which this was observed were those of B. L. Murray, E. L. Henesey, Bert Platt and Clarence Green. Jesse Boyd had 145 acres of certified Kawvale. It showed only about one-fourth as much rust as other varieties, ripened about 3 days earlier, and except for a few wet spots stood straight. The yield was better than local varieties.

Lose by Not Painting

Painting and shingling have been selected as immediate jobs on large numbers of Mitchell county farms. It costs money to paint but its costs plenty not to paint. A painting demonstration was given at the farm of H. M. Deschner, near Beloit, on August 26. Eugene D. Warner, extension architect of Kansas State College, brought a spray outfit run by a motor. Selecting paint and methods of painting old and new buildings were carefully explained.

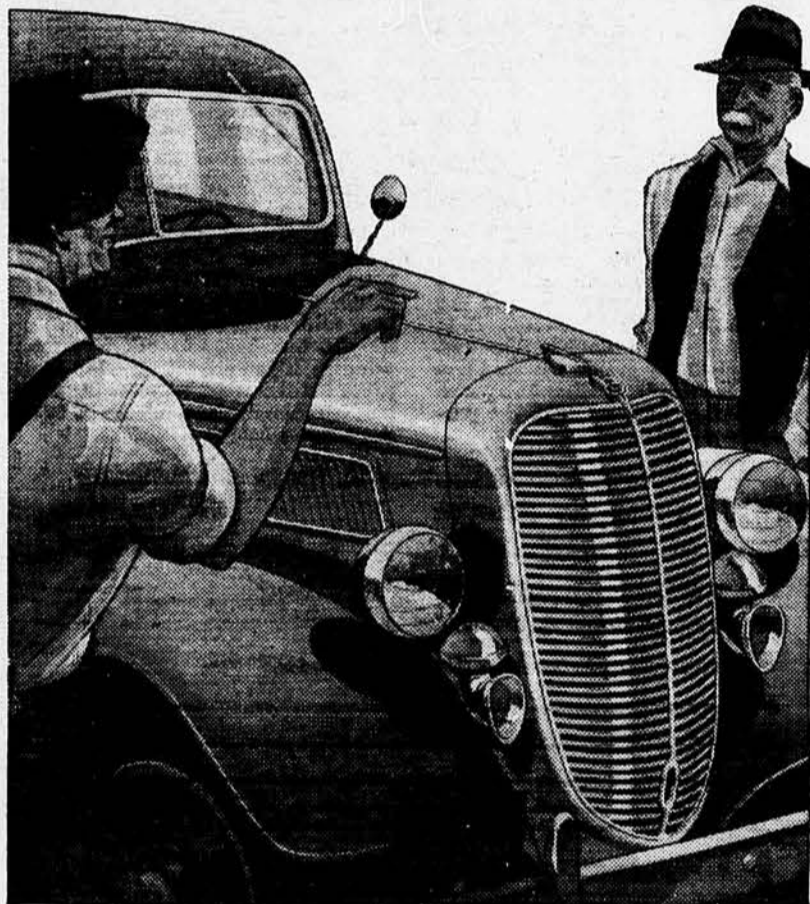
Profit Made on Terraces

Three-fourths of a mile of terraces were built by George Monical, Gray county, at a cost of \$10 for gas and oil. They were made according to A. C. P. specifications, and the program will pay 40 cents for every 100 feet. This will amount to \$15 or more—enough to pay Mr. Monical for the expense of building his terraces, and leave him the advantages besides.

This is the third set of terraces in Gray county. Guy Josseland, Copeland, built his by one-waying and plowing along lines laid out in 1920. Earl Lupton made his terraces during a field demonstration on his land. The only feed he raised last year was on terraced land.

"Take a tip from me

... NOW IS THE TIME TO BUY A FORD V-8 TRUCK"



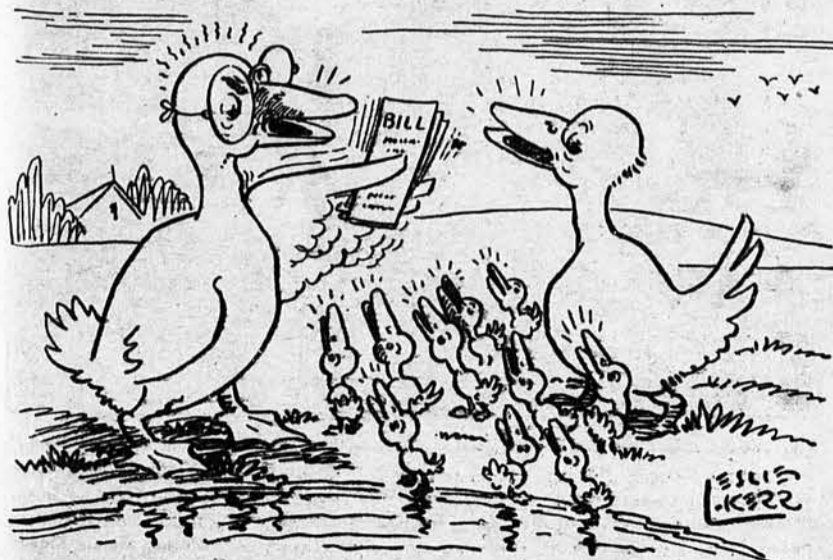
● It's real economy to buy a new truck before winter sets in. It stands to reason that a new truck will get through the bad weather with fewer trips to the repair shop, less expense for up-keep. Trying to "nurse" an old truck through the winter months usually means one expense after another. And money spent to keep an old truck going is money you never get back. Such an investment simply keeps your truck going a while longer . . . during which time it continues to depreciate. It is better business to add this sum to the trade-in value of your present truck and pay the balance in easy monthly instalments.

Right now, Ford dealers are offering generous trade-in allowances. Your present truck is worth more right now than it ever will be again. Visit your Ford dealer and see the thrifty new 60-horsepower Ford V-8 Trucks and Commercial Cars. Get the facts about the powerful, yet economical, 85-horsepower models. Then set a date for an "on-the-job" test, under your own operating conditions . . . without cost or obligation.

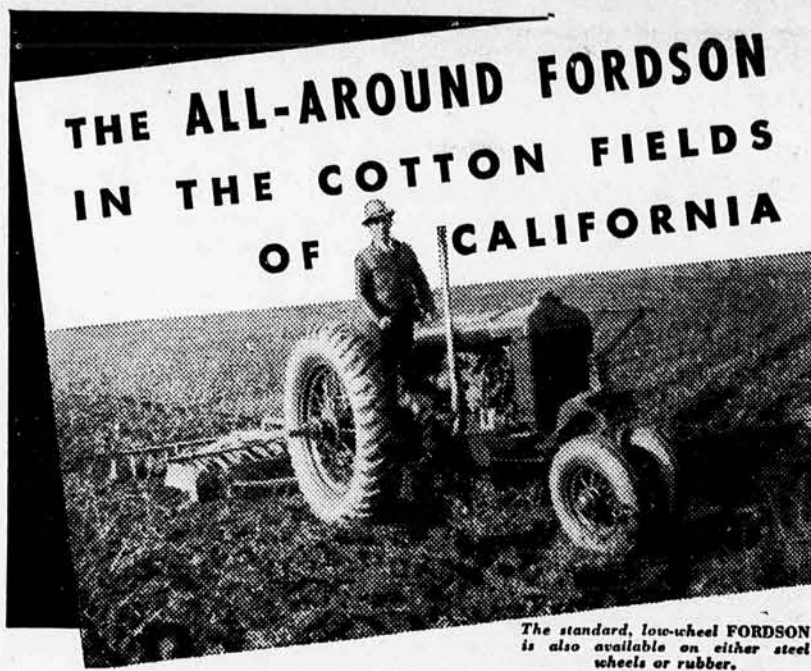
● Convenient, economical terms through the Authorized Ford Finance Plans of the Universal Credit Company



FORD V-8 TRUCKS
AND COMMERCIAL CARS



"Bills—oh I see around here is bills—bills—bills."



The standard, low-wheel FORDSON is also available on either steel wheels or rubber.

Yes, they raise cotton in California and they have use for a dependable high-clearance tractor. Here you see the All-Around FORDSON getting the field ready for the next crop. It is pulling an 8-foot double disc and moving right along. Mr. Claude Clayton, of Chowchilla, California, says he is more than satisfied with the performance of this FORDSON.

An All-Around FORDSON will make good on your farm. It supplies plenty of power for any kind of work in the fields, high clearance for row-crop cultivation, and stationary power for the thresher, silo filler, or feed grinder. If you are interested in complete information concerning this modern power-plant, please fill out the coupon below.

O. J. Watson Distributing & Storage Company
321 West Douglas Avenue
Wichita, Kansas

C O U P O N

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Please send me complete details about the All-Around FORDSON.

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GIVES THE "U. S." ROYAL BOOT ONE THIRD LONGER WEAR THAN ORDINARY BOOTS. DISTINCTIVE TIRE TREAD SOLE. PIGSKIN FINISH. AND, LIKE OTHER "U. S." BOOTS, EVERY BOOT IS LEAK-TESTED BEFORE IT LEAVES THE FACTORY.

United States Rubber Company

United States Rubber Products, Inc.
1790 Broadway New York

ASK TO SEE THE NEW ROYAL RAINCOAT WITH PIGSKIN FINISH



Avoid This →

LOST 50 POUNDS A STEER IOWA: At a cattle feeders meeting during the summer, one feeder made the statement that his gains on steers dropped 50 pounds a head when he omitted minerals one year from the rations. Such a loss of gain can be expressed in beef, or just as forcibly in milk. No doubt the same applies to mutton and to pork. Minerals are not costly, except when animals are forced to go without them.
"Kansas Farmer"

BY FEEDING THIS



CUDAHY'S All Purpose Mineral Feed provides top quality minerals at a rock-bottom price. No waste, no unnecessary ingredients. Ask your feed dealer, or write to us.

THE CUDAHY PACKING CO., Dept. KF5, Kansas City, Kansas
Makers of BLUE RIBBON Digester Tankage, BLUE RIBBON Meat and Bone Scraps



Control Next Year's 'Hoppers Now

A PRODUCTION control program for grasshoppers should be very popular in Kansas, beginning right now. Such a program is rather difficult to follow in some cases, where hay and pasture crops are a mainstay, as they make a fine place for laying of 'hopper eggs, and it may not be possible to destroy the eggs without destroying the grass stand also.

E. G. Kelly makes these suggestions to be followed in a grasshopper control program:

Work the ground in stubble fields of corn or sorghum, before seeding to wheat or fall grains.

Cultivate the stubble of small grain crops, even if it is to be left over for spring seeding. In Western Kansas, where stubble must be left on land which is to be fallowed next summer, only a light cultivation is possible. But it should break up the soil holding the eggs, and at the same time leave stubble on the ground for protection.

In alfalfa which is well established, much good can be done by cultivating with a renovator or spring tooth harrow.

Cultivate all headlands, turnrows, fencerows, or grassy spots, where possible without doing damage to crops. This will destroy most of the eggs.

This type of work can be done any time during the fall months, or even in winter if the ground is not frozen. Poisoning in early fall also will reduce the number of adult grasshoppers laying eggs up to frost. If alfalfa is seeded around September 1, the best time to scatter poison is immediately afterward if there are any 'hoppers present. This will reduce the numbers before the young plants start. If poisoning is not started until the small plants are coming thru, the 'hoppers may take them before the poison bran has a chance to do its work.

-KF-

Peril in Silo Gases

Entering a farm silo while it is being filled, or shortly after, is dangerous business because of the possible presence of suffocating gases, according to James W. Linn, at Kansas State College. The pit silo, with its lack of ventilation, is the most dangerous. Air in upright silos may be regulated by opening one of the many doors near the surface of the ensilage. Trench silos usually are safe.

If it is absolutely necessary to enter the silo during the fermentation period, there are several precautions that everyone should take. First, the presence of dangerous gases may be detected quickly and easily by lowering a small animal or fowl into the silo. If the atmosphere is dangerous, the animal or fowl will be affected but may be revived when brought back to fresh air.

Dangerous gases may be fanned out of the silo by agitating the atmosphere with a blanket, a piece of canvas, a limb of a leafy tree, or similar devices.

No one should enter the silo, however, unless others are present. A rope tied around the body of the person entering the silo makes it possible to remove the person immediately should an emergency arise.

-KF-

Tests Wheat for 24 Years

A co-operative wheat variety test was started in Washington county 24 years ago by T. C. Dodd, and is continued today by John S. Wood, Clifton. When Mr. Dodd first started this experiment only 4 varieties were tested, and now not one of them is a recommended variety for that section.

-KF-

New State Fair Head



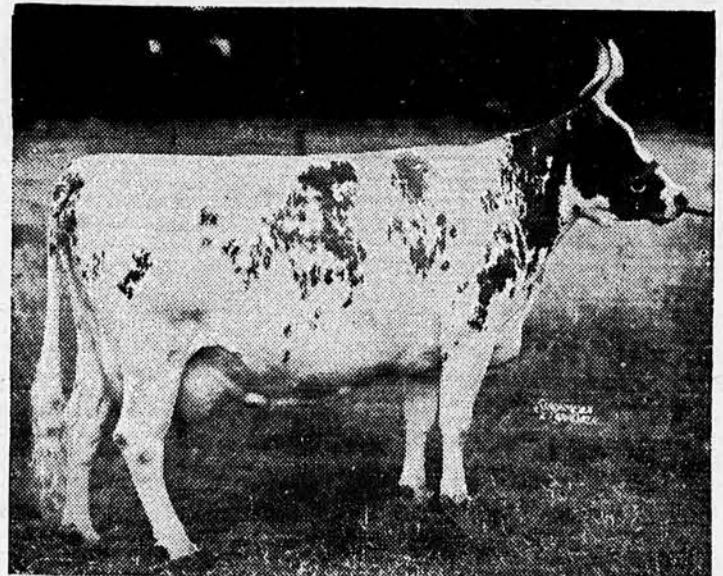
New secretary of the Kansas State Fair is S. M. Mitchell, who comes from Ottawa. Mr. Mitchell has worked at the State Fair for a number of years, but has devoted most of his time to farming in Franklin county. He is a graduate of Kansas State College, and was named secretary by the fair directors last January.

-KF-

Salt May Poison Hogs

Common salt, when improperly fed, may be a deadly poison for pigs. When hogs have not had constant access to salt, as little as 4 tablespoons can kill a 50-pound shoat, within a period of from 2 hours to 2 days. Poisoning may occur when hogs gorge on salt intended for cattle, from an overdose of mineral mixtures or remedies containing a high salt content, from meat brine or from soda salts contained in washing compounds. Common symptoms are great weakness, vomiting, purging and intense thirst.

Record Ayrshire Cow at State Fair



This Ayrshire cow has made over 100,000 pounds of milk and 4000 pounds of butterfat during her life, and is coming to the Kansas State Fair, Hutchinson, Sept. 18-24 with the Million Pound Ayrshire Dairy Herd. Her name is Strathglass Miss Violet, and she is being exhibited by courtesy of Mr. Hugh J. Chisholm, of Strathglass Farm, Port Chester, New York.

From a Marketing Viewpoint

By HOMER J. HENNEY

(Probable changes in feed costs have been considered in suggesting the best marketing program.)

When will be the best time to sell creep-fed calves? I have plenty of new corn and oats to feed if it will pay. They now weigh about 500 pounds.—W. F., Kincaid, Kan.

About 8 chances out of 10 that it will pay to crowd them with all the grain they will consume for at least 60 days more. You will be improving the grade with relatively cheap feed. Even if top grades of steers may be working lower in price during this period it appears safe until then. After 60 days, the odds are about 3 out of 4 that the price will decline more rapidly than you can improve the grade even with cheap grains and alfalfa.

We are planning on feeding lambs this fall. We have roughage and will have wheat and rye pasture until December. Is this a safer program than feeding cattle?—W. M., Columbus, Kan.

About 9 chances out of 10 that the lambs full fed will lose less money than the cattle full fed, but the chances for a profit on the lambs are not as good as they were last year at this same time. Feeder range lambs of good quality are selling between 9 and 10 cents a pound at home stations. With the chance of prices at selling time being no higher than last year, one is likely to run into some financial losses in case total gains are not above normal.

Do you think the price of wheat will be higher? If so when? I still have some.—B. N., Freeport, Kan.

About 8 chances out of 10 that wheat prices will rally from a low spot sometime before September 15. The general situation as to future supplies and world conditions are bullish. The length of this expected advance and the amount will depend upon information obtained as the market strengthens. The safest program for selling wheat now, since it is 20 to 25 cents lower than at harvest, is to hold it until about October 1 and get information then as to whether one should hold for January or April advance or sell on rallies soon after that.

Would it be advisable to sell on this good market fat replacement heifers and then buy breeding cows later this fall?—G. S., Sharon, Kan.

About 9 chances out of 10 that such a program will net you more over the

next 2 years than keeping the yearling heifers for your cow herd. The only danger is in bringing disease to your farm and finding the right kind of young cows this fall. From a market price viewpoint one of your heifers will probably sell now for enough to buy two good young cows this winter. The short corn crop of 1936 in the Corn Belt has reduced fed steers to such an extent this fall that fat cows and heifers are being used to replace steer beef whenever possible. This probably will not be the case by next year so that one should make the sale soon and replace later on with thin breeding cows.

—KF—

REA Funds Allotted

Funds have been allotted to three Kansas projects by the Rural Electrification Administration. The Kaw Valley Co-operative Electric Co., Topeka, received a loan of \$200,000 to build 370 miles of power lines to supply electricity to 895 signed customers in Shawnee, Jackson, Douglas, Osage and Wabaunsee counties. The Kansas Light and Power Co., will supply the power.

A partial allotment of \$150,000 was made to the D. S. O. Electric Co-operative Association, Inc., Solomon, bringing the total allotted to this association to \$404,651. The funds will be used to build 530 miles of line to serve 1,470 signed customers in Saline, Ottawa and Dickinson counties.

The Brown Atchison Electric Co-operative Association, Inc., Horton, also received an additional allotment of \$125,000 bringing the total to \$225,000. The money will be used to build 340 miles of lines to serve 925 signed customers in Brown, Atchison and Nemaha counties. The source of power will be the Horton municipal plant.

—KF—

Plan for Potato Show

The premium book for the Kansas Potato Show to be held at Lawrence, November 4-5, has been sent out and plans are progressing for the show. The fifteenth annual show will include professional and non-professional Irish Potato classes, sweet potato classes, a potato food show, women's booth exhibits, 4-H Club division, and a junior potato judging contest.

Deal Six, Lawrence, is secretary of the show and L. G. McGee, Lawrence, is president. Other officers and directors are C. O. Browning, Linwood, Roscoe Pine, Lawrence, M. L. Taylor, Topeka, Herman Theden, Bonner Springs, Ralph Travis, Manhattan, Scott E. Kelsey, Topeka, J. C. Mohler, Topeka, and Al Green, Lawrence.

JOYS GLOOMS



YOUR MONEY BACK... IF SWITCHING TO POSTUM DOESN'T HELP YOU!

MANY people can safely drink coffee. But many others—and all children—should never drink it. If you suspect that the caffeine in coffee disagrees with you... try Postum's 30-day test. Buy a can of Postum and drink it instead of coffee for one full month. If, after 30 days, you do not feel better, return the top of the Postum container to General Foods, Battle Creek, Mich.; we will cheerfully refund the full purchase price, plus postage! (If you live in Canada, address General Foods, Ltd., Cobourg, Ont.) Postum

contains no caffeine. It is simply whole wheat and bran, roasted and slightly sweetened. It comes in two forms... Postum Cereal, the kind you boil or percolate... and Instant Postum, made instantly in the cup. It is economical, easy to make and delicious. You may miss coffee at first, but after 30 days you'll love Postum for its own rich, full-bodied flavor. A General Foods product. (This offer expires July 1, 1938.)

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DON'T BE A GLOOM... DRINK POSTUM!

Yes, There'll Be a Husking Contest

THERE is no danger of the Kansas corn husking contest being called off this year. Plenty of fields of corn are already "made" to assure a number of excellent locations for the big event. Announcement of the contest field location is expected in a few weeks. In the meantime huskers will want to be getting their hands and arms limbered up.

The state meet is open to county champions, and every speedy husker should send his name to the Contest Manager, Kansas Farmer, Topeka. Huskers will then be lined up in county meets.

The awards for winners in the state

contest will be as liberal as ever. The champion will get \$100 in cash, also a silver trophy cup, awarded by Senator Capper, and a free trip to the biggest national husking contest in history, to be held at Marshall, Missouri, a short distance east of Kansas City on November 4. The second prize check will be \$50, and the winner also is eligible to enter the national meet. Third, fourth, and fifth places in the Kansas contest win \$25, \$15, and \$10 respectively.

You are invited to send in your name with the coupon below. It will speed up plans for the contest in your county if entries are in early.

Husking Editor, Kansas Farmer, Topeka, Kansas

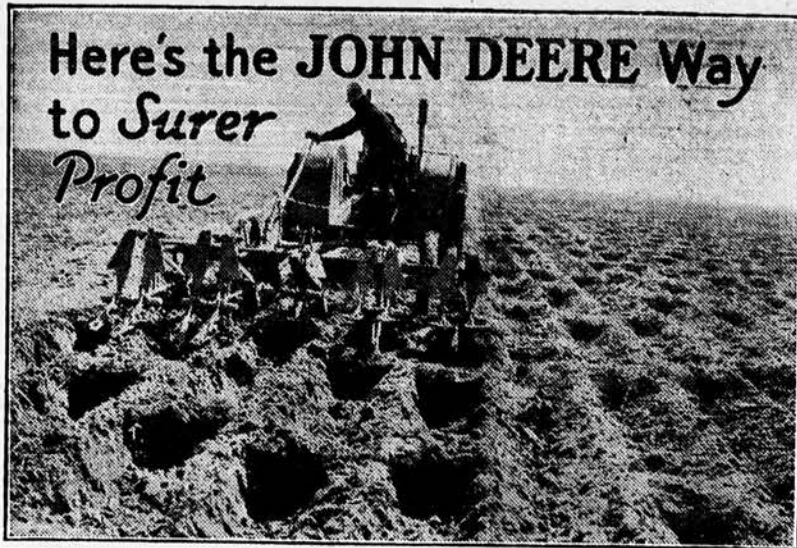
Dear Sir: I would like to represent my county in the Kansas Husking Contest this year. I will enter a contest in this county to determine the husker who will go to the state meet.

Name

Town..... County..... RFD.....

My age is..... I have husked..... bushels of corn in one hour.

Best fields of corn in this section will average..... bushels to the acre.



Here's the **JOHN DEERE** Way
to *Surer*
Profit

FOR **SURER PROFIT**—greater certainty in crop production—let the John Deere Damming Lister keep your fields in ideal condition to absorb and hold moisture, to stop surface run-off and reduce soil blowing.

Working a strip approximately nine feet wide, the John Deere Damming Lister heaps up the soil—creates water-holding basins.

The John Deere is extremely simple in design and operation. The lister is equipped with five shovels, or chisels, which open up narrow trenches from 6 to 10 or 12 inches deep, spaced 20 inches apart. These trenches place the subsoil in ideal condition to take in the moisture rapidly to be absorbed in the deeper subsoil.

Each of the five damming attachments is made up of three double blades mounted on a revolving spider. These blades follow the trenches, heaping up the soil, forming well-packed dams that will hold heavy rains; no loose dams which may wash out easily. When the dam reaches the height determined by previous setting, the float rises, and the spider revolves to put the next pair of blades to work.

There is no mechanical connection between the damming units of the lister and the tractor or lister—tripping of each individual damming unit is controlled entirely by the height of the dam, regardless of the travel required to build the dam. Thus, dams of uniform height over the entire field are assured.

Damming Attachments for John Deere Listers

In addition to the John Deere Damming Lister, damming attachments are available for various John Deere Listers offering the corn grower an opportunity to avail himself of the damming method of moisture and soil conservation.

Investigate
See Your
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John Deere,
Moline, Illinois. Dept. I-111
Without obligation, please send further information
on John Deere Damming Equipment.

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PREVENT BLACKLEG
USE
**PARKE, DAVIS
BLACKLEG VACCINES**

Single **BLACKLEGOIDS • AGGRESSIN
BACTERIN • FILTRATE**
8¢ PER DOSE
at Your Druggist
IN 10-20-50-DOSE PACKAGES
FREE—Send for descriptive Bulletin No. 351
Address Desk B-29-1, Animal Industry Dept. of
PARKE, DAVIS & CO., DETROIT, MICH.

LARGE \$1.00 TUBE
TRIAL OFFER—FOR 10 CENTS

PILE sufferers may get this full-size \$1 tube by merely sending 10c to cover postage and incidental charges. This is the well-known private-formula Ointment used adjunctively in our own Clinic.

THE McCLEARY CLINIC
977B Elms Blvd. Excelsior Springs, Mo.

**LOCK-JOINT CONCRETE STAVE
SILOS**

Have been manufactured and sold by our Company for 26 YEARS, having thousands of satisfied owners.
Our **QUALITY, QUICK ERECTION, POSITIVE GUARANTEE AND PRICE** WILL INTEREST YOU.
Write for catalogue and prices.
The Interlocking Cement Stave Silo Co., Wichita, Kansas

Mention Kansas Farmer when writing to advertisers.
It identifies you and insures prompt service.

WIBW Goes to Kansas Free Fair

SO, LET'S GET ACQUAINTED

YOUR favorite radio stars and announcers and members of the Capper Staff are looking forward to paying you a visit at the big Kansas Free Fair which opens at Topeka on September 12.

You will have an opportunity to meet the entire WIBW gang of performers when they broadcast.

For those who like genuine fun, real old-fashioned music and a program with swing to it there is nothing quite so good as the Kansas Roundup, which will be broadcast daily at 3:15 p. m.

have entertained audiences of almost every radio station in the country. Their real names are Henry Peters and Jerome Debord. Henry was born and reared on a Nebraska farm and entered radio as a soloist at York, Nebraska. Jerome's first job was as a gold miner in a big Nevada mine and he worked at many trades in many parts of the country before entering radio as a profession, but Jerome always entertained other people.

Ole Livgren, piano, piano accordion and pipe organ virtuoso, entered radio



Bunkhouse Bill



Ezra Hawkins



Shepherd of the Hills

The supervisor of this aggregation of genuine Western microphone busters, trick harmonica players, fancy song throwers and fiddlin' experts is Colonel Alexander Combs, weather forecaster extraordinary. Aiding him on the Roundup are Ezra Hawkins, Bunkhouse Bill, Aunt Faye, Roy Faulkner, the Lonesome Cowboy, the McKay Sisters, Kaw Valley Ramblers, Eddie Patrick, Shepherd of the Hills, Ed-

via the "amateur contest" route. He was a mechanic before taking his first radio engagement. The amicable Swede is one of the most popular of WIBW entertainers.

Don't forget, we'll be holding "open house" all week at the Capper Pavilion on the Fair Grounds, and all the WIBW gang will be expecting you.

Entertainment will be presented mornings at 11:15 to 12, and after-



Ole Livgren



Henry



Jerome

mund Denny, Harry and Jerome, and Maude Shreffler, who directs, produces and plays the piano for each of the broadcasts. And then there is the famous "Dinner Hour" program, which will feature Ezra Hawkins, comedian and old time fiddler, from 11:15 to 12 o'clock daily. The Shepherd of the Hills, Roy Falkner, and Maude Shreffler will also broadcast their regular programs from the Fair Grounds at 2:30 and 2:45 o'clock daily.

Henry and Jerome, two of the Kansas' Network's most enjoyable radio entertainers, who have been teaming together for 9 years, have won the Radio Digest medal as the most popular singing team in the midwest, and

noons from 2:30 to 3:45, and everybody's invited to attend.

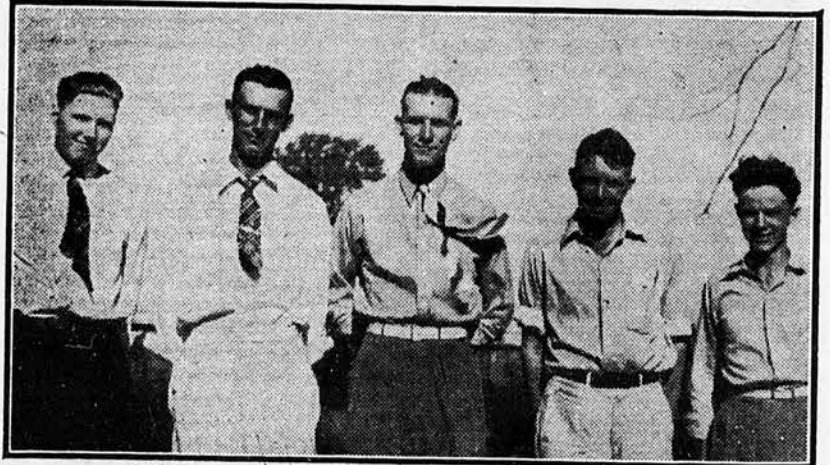
Be sure to stop in at the Capper Pavilion. Your friends will be glad to see you.

—KF—

Test for Irrigation

Plans are being completed for a test of the possibilities of irrigation in the Kaw Valley. A test well has been sunk on the Roscoe Pine farm south of Lawrence. At a depth of 21 feet Mr. Pine has 12 feet of water. The nature of the gravel thru which the well was drilled will be studied to determine whether the supply of water will be sufficient for irrigation.

Outstanding 4-H Boys of State



These are the Kansas boys, and their leader, attending the American Youth Foundation camp at Shelby, Michigan, August 16 to 29. These youths won their trip to the nation-wide gathering in the East by virtue of superior achievement in 4-H club work, and thru courtesy of the Kansas Bankers' Association. Left to right they are: Louis Cox, Topeka; Lloyd Francis, St. John; Robert Swartz, Everest; Earl Means, Iola, county agent; Claud Kimball, Coffeyville.

Peaches for Kansas Tables

ON A RECENT orchard tour in Cowley county, Roy Kadau, Tisdale, showed how he uses a combination of mulch, clean cultivation, and cover crops, to make a success of peach raising on upland soil. Mr. Kadau has 10 acres of bearing peach trees which are producing a good crop this year. Forty acres of 1 and 2-year-old peach plantings also has made a fine growth.

Mr. Kadau disks his orchard in late summer and seeds rye. Instead of plowing this under the following spring he mows it, letting the rye lie on the ground as a mulch. More straw is hauled into the orchard and placed about the trees. The Kadau peach trees are 6 years old and have produced 3 crops of fruit already.

South of Wichita, are a number of extensive peach growers. Three of them are Emmet Blood, "Wes" Booher, and J. F. DeLong. They grow most of the peaches produced in Sedgwick county.

Mr. Blood has 30 acres of trees and irrigates them from 2 suction wells. This type of well is one in which the pump is attached right onto the casing and no pipe is lowered into the water of the well. Water is very shallow in these wells. Mr. Blood only irrigates when the weather is very dry. It has not been necessary this summer.

The Carmen and South Haven are early varieties of peaches grown in the Sedgwick orchards. Later kinds, just now on the market are Hale, Alberta, Champion, and Belle of Georgia. Some of these are white-meat which are considered superior to most of the yellow-centered varieties.

The Blood orchards were sprayed 5 times. A Bordeaux and oil spray is used. On August 16 the trees were loaded with high quality fruit. Mr. Blood said he doesn't worry much about breaking by overloading, as the trees have to be trimmed back every year anyway, and broken limbs can be cut away.

Peaches from the Arkansas valley are sold both retail and wholesale at the will of the owner. Many of them are trucked to Kansas grocery stores or fruit stands. Quite a few people drive to the orchards and buy their fruit direct.

—KF—

Presents Another Free Fair



Maurice W. Jencks, Topeka, manager of the Kansas Free Fair, has made it a nationwide leader of outdoor shows. The grandstand entertainment is always the best in the country. There are no better livestock exhibits. Every year Mr. Jencks has been able to add new improvements to the Free Fair.

—KF—

An Open Formula Feed

An open-formula poultry mash manufactured and distributed by elevators, hatcheries and feed and produce dealers under the supervision of the feed committee of the Kansas Poultry Improvement Association soon will be available to Kansas poultrymen. By an "open-formula" mash is meant one in which the amount of every ingredient is listed on the tag. This is of advantage to the buyer, since the percentage composition of a mash tells more about its feeding value than merely the names of ingredients and chemical analysis given on the tags for most commercial feeds. A second major advantage of the open-formula feed is that a poultryman can take retail prices of ingredients and determine whether the prepared feed is selling at a reasonable price. These advantages should make the open-formula feed popular among Kansas poultrymen who buy prepared feeds.

—KF—

Tenmarq Leads 9-Year Test

A successful wheat variety test was conducted last season by F. G. Dietz, president of the Jewell County Farm Bureau. The wheat was planted on 1936 summer fallow on bench land on Mr. Dietz's farm in Erving township. Tenmarq made the highest yield with 50.9 bushels. Blackhull made 49.9 bushels; Turkey, 48.6; Kanred, 47.2; Cheyenne, 46.3; No. 2583, 46.1; and an unnamed local variety, 45.1. Tenmarq and Blackhull have averaged first and second respectively for the last 9 years. Another good yield was reported by F. W. Smith, Jewell county, who had 8 measured acres which yielded 55 bushels to the acre.

—KF—

Grain Crop in Dry Season

There is added food for conviction that Western Kansas can raise good grain crops in dry seasons. The level fields of Grant county, and surrounding counties, are dotted with numerous fields of milo which will make yields of 20 bushels to the acre or better this year. These yields are the result, primarily, of early seedbed preparation with pains taken to hold late spring rainfall. Sorghums can follow a wheat crop of the year before very successfully, but they don't do so well, as a rule, on land which supported wheat all fall and winter, and then blew out to be planted right back to rowed feed.

Don't Wait for the Hi-Line!

Enjoy typical city radio reception now—without waiting a single day! These new "two-way" 110 volt-6 volt Zeniths work perfectly on 6 v. battery power (no dry batteries) until the high line comes—

—AND the moment it comes, you just throw the "Hi-Line Switch" and enjoy 110 v. A. C. performance from then on!

TWO radios for the price of ONE—with city reception, city features, BOTH ways! You use no tools, buy no accessories—a turn of the switch does it all. Zenith owners can take their "two-way" radios on motor trips and outings—use their auto battery for power—then plug into a light socket again when they come back home. A flick of the switch—that's all!

This new Zenith invention takes the gamble out of radio buying. If the high line comes soon, you're ready. And if it comes late, you get months of enjoyment you'd otherwise miss.

Whichever happens, YOU CAN'T LOSE WITH A ZENITH!

Don't take our word for Zenith advantages—ask Zenith owners! Ask your own neighbors about how Zenith gives farmers city reception—usable all day, every day—without the cost of dry batteries, without the fuss and trouble of trips to town recharging storage batteries! Just Frepower from the air with Wincharger for only 50c a year power operating cost.

So don't wait! Go see the new 1938 Zeniths at your dealer's. Eighty-five new, different models in Standard and Hi-Line types—for 2 volt, 6 volt, AC and AC-DC operation—in console, table, phonograph-radio, and the brand new arm chair models—in walnut, maple, bone white and ebonized finishes.

Everything you could want, at every popular price, all new and again a year ahead. This is the most beautiful and complete line in the 22-year history of America's most copied radio. Don't miss seeing ZENITH!

ZENITH RADIO CORPORATION
CHICAGO
For 22 years
makers of fine radios

FREPOWER FROM THE AIR

No more buying dry batteries or taking out to recharge.



WINCHARGER

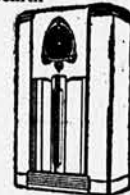
DeLuxe Model

\$17.50

when bought with a Zenith Radio.



CHILDREN—
GROWN-UPS—
FATHER—MOTHER—
DAUGHTER—
and the HELP—
Everybody enjoys a Zenith



entertainment—
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EUROPE,
SOUTH AMERICA
or the ORIENT
guaranteed every day
or your money back
on all short wave
Zeniths.

Complete Zenith
price range from
\$19.95 to \$750.00
is available on easy
terms.

HEALTHY HENS LOTS OF EGGS



with a

CONCRETE POULTRY HOUSE

FOR healthier, more productive flocks, build your poultry house of concrete... easy to insulate, light and airy, permanent. Concrete has no crevices for lice, mites and other parasites; keeps out rats, weasels and vermin; is easy to keep clean and dry; does away with the need for frequent, costly repairs.

Write for free booklet, "Concrete Poultry Houses," showing layouts of poultry, incubator and brooder houses of various types approved by state agricultural colleges.

You can build concrete improvements yourself. Or get a concrete contractor. Your cement dealer can put you in touch with a good concrete builder.

Check list, paste on postal and mail for free literature

PORTLAND CEMENT ASSOCIATION
Dept. G9a-2, Gloyd Bldg., Kansas City, Mo.

- | | |
|---|--|
| <input type="checkbox"/> Feeding Floors | <input type="checkbox"/> Concrete Poultry Houses |
| <input type="checkbox"/> Hog Houses | <input type="checkbox"/> Storage Cellars |
| <input type="checkbox"/> Foundations | <input type="checkbox"/> Milk Houses |
| <input type="checkbox"/> Barns | <input type="checkbox"/> Concrete Making |
| <input type="checkbox"/> Silos | |

Results WHERE YOU WANT THEM



GOLD MEDAL DAIRY RATION "Farm-tested"

In the milk pail—that's where Gold Medal gives results. You get more milk per pound of feed—and heavier, more uniform production throughout the entire lactation. What's more, it keeps cows in better health. They have stronger, more vigorous calves. And best of all—YOU MAKE MORE MONEY.

Write today for complete information about this clean, wholesome, uniform ration and the facts about the Gold Medal Feeding Plan.

WASHBURN CROSBY COMPANY

(Trade Name)

Central Division of General Mills, Inc.

Minneapolis

Kansas City

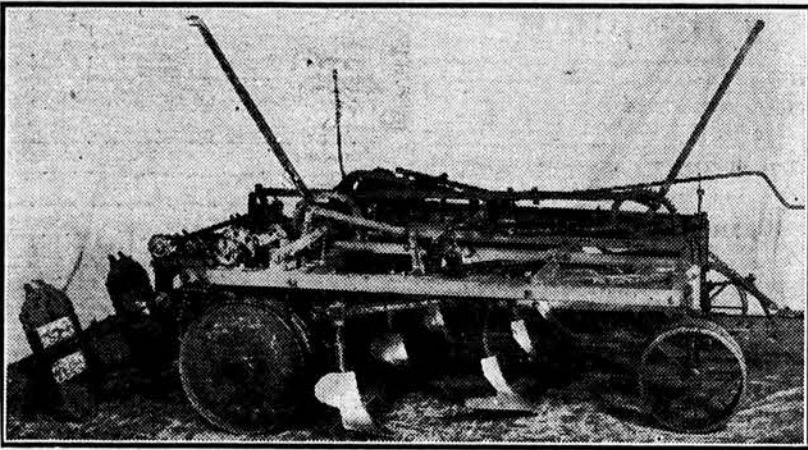
"Farm-tested" IS A REGISTERED TRADE MARK OF GENERAL MILLS, INC.

Write TO OUR NEAREST OFFICE Today

Washburn Crosby Company
Dept. P9
Send me your booklet "Feeding for Profitable Milk Production" and full information about Gold Medal Dairy Ration.

Name _____
Address _____
Town _____ State _____

Carries Damming Attachment



A damming attachment on a furrow seeding machine making a more practical and diversified machine. This machine will prepare the seedbed, dam the furrows and seed the small grain crop.

A DEEP furrow seeding and summer fallowing machine with a basin damming attachment now is on the market to meet the popular demand for a machine practical for any ordinary tillage, seeding, summer fallow or narrow row crop work. Such a machine can be seen at the machinery exhibit at the Kansas State Fair at Hutchinson.

The 8-foot machine shown may be equipped with three 16 inch heavy duty duckfoot sweeps on the front boot pipe; four 9-inch standard lister bottoms on the rear boot pipe and a 4-row damming attachment on the rear. Thus, the 16-inch duckfoots may be set to run at a depth of from 2 to 4 inches, the bottoms may be set from 4 to 6 inches, and also may be equipped with a subsoiler to cut deeper into the bottom of the furrow. Dams may be placed at practically any desired distance from 5 inches to 20 inches by changing the sprockets. Land prepared in this way as soon as harvest is over is worked in one operation—lister furrows formed, and dams put in.

At seeding time vegetation can be destroyed by using 4 sweeps of a 16-inch size on the 4 back boot pipes. The front wheels work in the furrows and the sweeps work on top of the ridges and aid in leveling the seed bed. After this operation the regular seeding plows may be put on and the machine is ready for deep furrow seeding.

In case summer fallowing is followed the ground may be listed by using the 4 lister bottoms on the back boot pipes, spaced 28 inches apart, the 3 duckfoot sweeps on the front, and with the damming attachment.

—KF—

Rest an Aid to Pasture

Resting a drouth-stricken buffalo grass pasture all this season resulted in a much thicker stand, and the growth of considerable Blue grama and Western Wheat grass, on Arthur A. Smith's farm, near Burdett. While rainfall has been short, the grasses showed remarkable results from protection alone.

Even a greater degree of recovery from damaged condition was made in

N. L. Rucker's pasture, a few miles away, where a considerable part of the rolling grassland was furrowed. Most of Mr. Smith's pasture was quite level, and didn't need furrowing as badly as did Mr. Rucker's. In the Rucker grassland, where a 5-row, Peacock basin lister was used, the buffalo is showing green in the furrows. Where a 3-row lister, with the center lay removed, was used to make the furrows, the grass is greener several feet on each side of the furrows than elsewhere. These furrows check the rapid run-off of rainfall and enable the grass roots to utilize the moisture.

W. H. Meissinger, Pawnee county agent, recommends using a spring-tooth or spike-tooth harrow in pastures, where wind-blown silt has left a tight covering over the surface. This will let moisture in and enable the grass to come thru.

—KF—

Danger With Tractors

Reminding farmers that tractors are dangerous as well as helpful and that haste in handling them may mean time lost in bed, Harold E. Stover, extension service engineer, issued a warning against handling machinery carelessly.

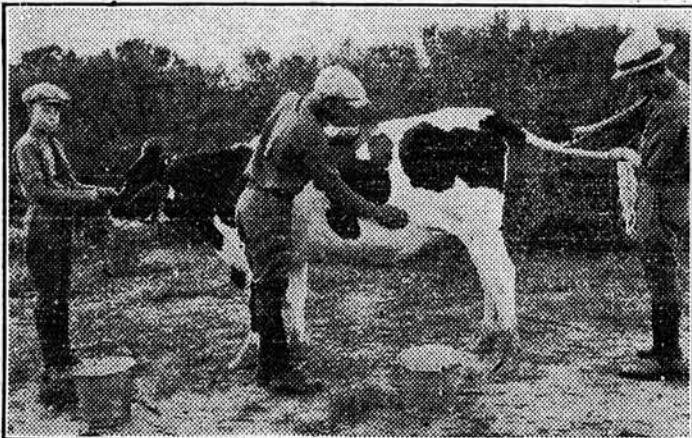
"It pays to take the time necessary to mount the tractor platform where one can operate the clutch properly, drive the tractor to the proper position, disengage the clutch, set the brake, and proceed to make the proper hitch while the tractor is stationary. Do not try to operate the clutch from the ground with one hand and make the connection with the other unless you are asking for trouble."

Trying to change the adjustment of a plow, disk or some other tool while the tractor is in motion, also is risky, unless the levers are long enough to reach the operator's seat, Stover commented.

—KF—

Tobacco Mule: A mule in North Carolina became so addicted to tobacco that his owner had to muzzle him. The mule would eat 20 to 25 pounds of green leaf a day while pulling a plow in the tobacco fields.

4-H Boys and Girls Prepare for State Fair

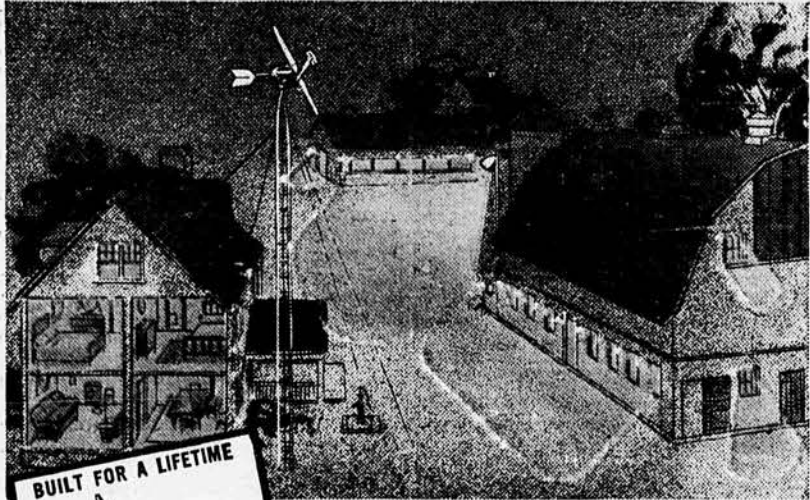


Boys and Girls of the 4-H Clubs are busy preparing their exhibits for the Kansas State Fair at Hutchinson. The Fair is completing a new \$75,000 brick and steel building, 300 by 127 feet, which will house the 4-H Club calves, pigs, sheep and poultry.

LIGHT YOUR FARM

FOR ONLY 50¢ A YEAR!

POWER OPERATING COST



32-VOLT 650-WATT GIANT

WINCHARGER

REG. U. S. PAT. OFF.
TURNS FREE WIND POWER INTO ELECTRICITY

ONLY \$15.00 DOWN

THERE'S a great Niagara of FREE POWER blowing across your farm every day. It's the WIND! It's yours! It's TAX-FREE! Put that wind to work making FREE ELECTRICITY for you! Let it furnish electric lights wherever you want them, and plenty of power for water system, washer, radio, iron, and motors to make many farm jobs easy! Let the 32-Volt 650-Watt Giant Wincharger Farm Power Plant turn that FREE WIND into electricity! And your power operating cost is only 50c a year!

Get away from the nuisance of oil lamps—the drudgery of washing, sweeping, pumping water by hand! Let the modern convenience of electricity do all those jobs for you, as so many of your neighbors are doing!

Wincharger now provides dependable free electricity to more than 500,000 farm folks in all parts of the world. Starts putting electricity into farm lighting batteries in a 7-mile breeze. Guaranteed to give you complete satisfaction or your money back, including transportation both ways! And that guarantee is backed by the vast resources of the world's largest manufacturer of wind-electric equipment.

Remember: With Wincharger there's no meter ticking your dollars away. There's no gasoline or oil to buy. If you have a gas-operated electric plant, you can pay for Wincharger in a short time with your savings on fuel alone. Act now to electrify your farm by using that FREE WIND POWER! Only \$15 will put Wincharger to work for you right away! Very Easy Terms!

WINCHARGER CORPORATION
SIOUX CITY, IOWA

MAIL THE COUPON TODAY!

WINCHARGER CORPORATION
Dept. KF9-37, Sioux City, Iowa
Tell me all about how I can electrify my farm at a power operating cost of 50c a year!

Name.....

P. O.Route.....

COUNTY.....State.....

Do you own a gas-operated plant?.....

Save postage: Paste coupon on penny postal card.

If You Want Only RADIO POWER
Ask Any Radio Dealer About 6-VOLT RADIO

WINCHARGER

OK'D BY RADIO LEADERS OF THE WORLD

Ends expensive recharging! You can forget "B" batteries! This 6-Volt Wincharger keeps your radio battery fully charged by turning FREE WIND POWER into electricity. Finest "big-city" radio reception is yours for less than 50c a year power operating cost!

SEE ANY RADIO DEALER TODAY!

Tongue Lock Concrete Stave Silos

have been in constant use for more than twenty-five years and are still giving the best of service. Through actual use it has proven to be the outstanding silo on the market.

Write us at once for information, as your Tongue-Lock Concrete Stave Silo should be built now.

McPHERSON CONCRETE PRODUCTS COMPANY
McPherson Kansas

PROTECT LIVESTOCK AND POULTRY FROM PARASITES AND DISEASE WITH

KRESODIP No. 1

STANDARDIZED

Kills Disease Germs, Lice, Mites, Etc. Disinfects

Free SEND FOR FREE BOOKLET ON "FARM SANITATION"

Write to Desk K-29-1, Animal Industry Dept. PARKE, DAVIS & CO., Detroit, Mich. Drug Stores sell Parke, Davis products

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.

Fair Days Next Two Weeks for Kansas!

By KANSAS FARMER "RUTH"

THIS is not a weather forecast. It is an announcement to Kansas women of the many, many things of purely feminine interest being assembled especially for them at the two big fairs. Gates at Topeka's Free Fair swing open tomorrow, September 12, and there will be something to see and do every minute until the last light is out the night of September 18. On that same day, the Kansas State Fair at Hutchinson has its official opening, with a continuous show running thru the week of September 18 to 24. Whether it is entertainment or education, or a little of both you are seeking, you won't be disappointed in the 1937 fairs, for there has been no stinting of time, money or effort in the preparations made for these two big shows.

It is not exactly an easy or safe thing to tell in advance what to see and what might well enough be passed up at a fair. But as one woman to another, you're going to be mighty sorry if you miss the Better Homes exhibit at the Topeka fair. I've just come from a chat with my old friend, Marie Witwer, who is superintendent of that department as well as of the Antiques. For old time's sake she has let me in on some of the highlights on my promise that I won't tell the story too soon to harm competition. This is Kansas Farmer's issue of the eleventh, and likely every exhibit is in place. Oh, I'm a woman of my word!

Prize-Winner's Show

The thing that makes this year's Better Homes exhibit so exciting is the fact that the blue ribbon winners of the last 3 years' prize-winning rooms are competing for the coveted first place this year. Being a prize-winners' show, rivalry is running high.

Alice Andrews, Topeka woman, who carried off the blue ribbon last year with her dining room assembled from attic and basement odds and ends, will enter as her competition this time a boy's bedroom. The furniture has been made from crates—and cost to be exact just 50 cents—has been designed, sawed and hammered by Miss Andrews herself. Her aim is to show what a boy, 12 to 16 years old, can do for himself at very little outlay. Being a boy's room, Miss Andrews is endeavoring to have it look less bedroommy and more like a den. There will be no definite color scheme. A modernistic bed with head and foot utilized as bookcases and radio cabinet will be covered with an old red, blue and tan coverlet. An old pirate's chest will take care of baseball bat, tennis racket, skates and all those things dear to a boy. Hanging shelves will "house" more books and boy-lore, while a corner desk with plenty of pigeon holes will provide a study corner and a place to paste stamps or enjoy any sitting hobby. There will be a bedside chest of drawers topped with a toilet box to hold neckties, handkerchiefs, socks and even collar buttons, and altho it has a mirror lid, as make-up boxes do, there is nothing girlie-girlie about it. This box, like the bed, desk and hanging shelves has been made from the crating, then stained a mellow walnut. An old brown jug and a demijohn, wired and topped with dime-store shades, solve the lighting problem. Curtains are to be of brown chintz, the carpet a made-at-home braided rug. Miss Andrews laughs and says she's not just sure about the rest, except that there's a map for the wall, an antique gun and powder horn—and oh yes, a cuckoo clock—all of which sounds like boyish livableness.

From Antique to Modern

Perhaps you recall seeing the dining room furnished with second-hand store antiques and lovely embroidered curtains and cushions made of feed sacks. Anyway it won first prize in the better homes competition 2 years ago for Mrs. E. E. Tillotson, of Atchison. This year she is to enter a living room, and altho she is keeping mighty mum about what she's putting in it, it's a better than fair bet there will be some fine old walnut pieces, for her home, I am told, is "antique" from top to bottom.

Three years ago, Mrs. Clayton M. Davis, Topeka, won first place with her living room. She is doing the breakfast

room for this year's competition. Altho done in a very simple manner it is to have a tendency toward the classic. This effect is achieved thru the use of color, lots of it, for the floor will be blue, the walls rose, and the draperies garnet and white. For dining, there will be a round table and four chairs in antiqued white—painted by Mrs. Davis. White Venetian blinds and bric-a-brac are to be the finishing touch that will make this room, in Mrs. Davis's own words, "either very, very nice or just plain awful," but you needn't worry about the latter, for I'm sure it will be the former and so is Mrs. Davis.

The purpose of this department is to stimulate interest in the artistic arrangement of the home, based on a minimum cost. It is your loss if you miss seeing it. As a woman's editor I've been doing fairs for a good long time and I've yet to come away from this particular exhibit without ideas and inspiration for fixing my own home and writing others that may help others fix theirs.

Best Art in Middle West

You've a better chance of seeing art at Topeka's fair than any place in the Middle West. The development of its art department has been brought about, according to Mrs. Fayben Williams Wolfe, its superintendent, thru the co-operation of artists all over the state and the fact that Secretary-Manager Maurice Jencks is so artistic-minded that he spares no funds in bringing the best of special exhibitions to Topeka Fair week. Each year an educational exhibit is featured aside from the entries of our own Kansas artists. Special treat for 1937 is a \$25,000 picture, which comes thru the courtesy of Blanche A. Byerley of the American Federation of Art, an exhibition agency in New York City. It is to be an English picture, a portrait by Sir Henry Raeburn, one of the foremost artists of the English portrait school.

Equally interesting this year, because of the current political angle, will be a painting by John Stuart

Curry, who has been given the commission to paint the murals in Kansas' state capitol. You have heard much of him the last few weeks—fictiously and otherwise. Here is your opportunity to see what he can and does do.

Lure for Antique Fans

Antiquers are to have plenty of inspiration this year. Headlining the list of non-competitive exhibitors is Mrs. Alf M. Landon whose marvelous collection of lusterware you saw last year if you visited the fair. This year she will exhibit her Bennington. Altho of an entirely different type, it fully equals in interest her luster. Mrs. Landon is the perfect collector, even to the proverbial luck. She's the kind of collector, her best friends will tell you, who even if she fell in the creek would come out with antiques in her pockets.

Mrs. Milton Fuller, Topeka newcomer, is to show her beautiful collection of Canary glass. C. H. Hepworth and Dr. S. T. Millard, Topekans both, are to display rare collections of goblets. Mrs. Josephine Nesbitt who numbers to more than a thousand the dogs in her collection, is assembling for fair showing a goodly number of fine old Staffordshire canines. Mrs. Hampton Shirer, who has but recently moved here from Boston, will have on display her collection of 140 fans, assembled from everywhere and said to be very fine and rare.

Purely educational is to be the large case filled with early American glassware, assembled and plainly marked so the public may see just what is which and why. It is the ambition of the department to display in this collection a piece of every kind of glass mentioned in Ruth Webb Lee's glass book, the "bible" of every glass collector.

Farm Bureau Projects

The work Farm Bureau women have been carrying on in their clubs will be much in evidence. The competition in this class is quite remunerative and counties are invited to compete only every 3 years. This year Allen, Atchison, Bourbon, Neosho and Shawnee

Bag of Tools

Isn't it strange that princes and kings
And clowns that caper in sawdust rings
And common folks like you and me
Are builders for eternity.

To each is given a bag of tools
A shapeless mass and a book of rules
And each must make, ere life is flown,
A stumbling block or a stepping stone.

—R. L. Sharpe.

counties will have booth space at the Topeka fair. Shawnee county is using rural electrification for its subject matter, depicting a woman laboring over an old-fashioned hand washer while her modern sister sits at her electric machine and reads. Allen county's Farm Bureau women have selected the theme of home health and sanitation to tell their story. As for the other three, I shall have to go to the fair to see what they are doing. That goes, too, for the entire Hutchinson Farm Bureau exhibit. Five counties selected from the western half of the state will set the stage there to show what they've been doing. Home demonstration exhibit booths will be found in the grandstand at both fairs.

Good Things to Eat

The Culinary department, always overflowing with good things to eat because there are so many good cooks in Kansas, will perhaps be larger than ever this year at both fairs, stimulated no doubt by the additional commercial prizes offered by the flour, the pecan and the glass jar people. Mrs. Paul Edgar heads this department of the Topeka fair and Maude Deely, of Manhattan, of the state home demonstration division, is director of the domestic science and home economics department of the Hutchinson fair. You know the usual sub-divisions—breads, cakes, jells, preserves, canned fruits, vegetables and meats, in fact everything so tempting you go around looking with your tongue hanging out. It has long been a secret ambition of mine to get a judging job in this department. Imagine testing (or should I spell it with an "a"?) all those goodies not only for looks, but for flavor! How does a person go about getting a "break" like that?

If You Sew a Fine Seam

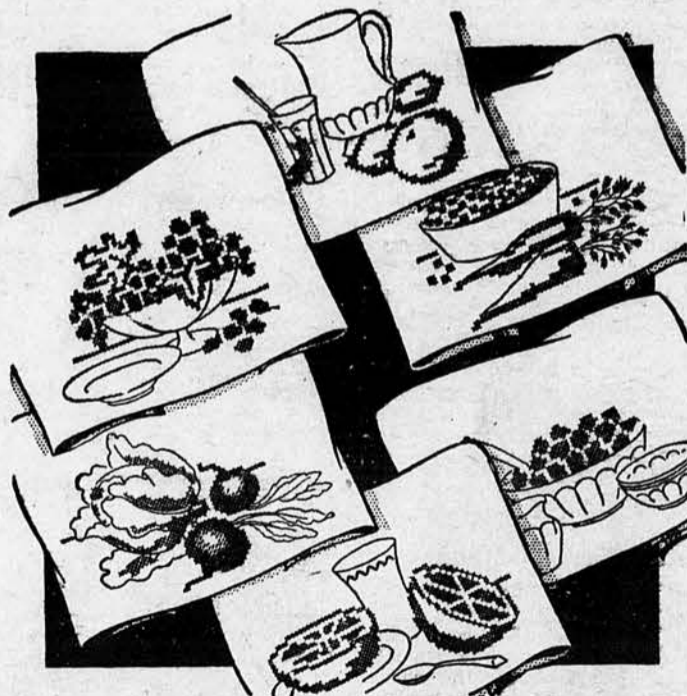
It is a bit too early to know for certain how the Textile department will line up, altho Mrs. Phil Lindquist, head of the Topeka department, says indications are the quilt show will be bigger and better than ever. Evidence of the interest women still have in knitting should bring many entries in that class. There will be rugs and more rugs; and the crochet and embroidery classes will be full as always. I would suggest you keep an eye open for the Thrift or Economy section of this department. It is amazing the wearable garments and useful household articles made from next-to-nothing entered in this class. Likely you'll find a whole flock of ideas you can utilize at home.

The Clothing and Textile department at the Hutchinson fair is housed on the mezzanine floor of the Motor Show building. There will be needlework of every kind, with a special division where children under 14 compete; and another for women who have passed the three score and ten mark. The needlework department is for Kansas products only. No articles are eligible if made in other states. It is not, however, exclusively for women. Men are eligible to compete, and one of last year's prize winners was a Hutchinson railroad man. Mrs. L. E. Tilley, of Hutchinson, is superintendent.

So you see this is not a stock and machinery show only, altho you may trail along with father to see these things if you wish. Or, you may play bingo with the boys and win a cupie doll if it's that sort of thing you enjoy. For something spectacular there's the dazzling night show, and for excitement the auto and horse races of an afternoon. But don't miss the purely women's things. They are worth every minute you can spend on them.

Will I see you at the Topeka fair, or will it be at Hutchinson we meet?

Fruit and Vegetable Tea Towels



JUICY fruits—tasty vegetables—create more than their share of kitchen interest when used to adorn a set of tea towels. Here's where color counts, so be sure to use the gayest cotton floss when you embroider these. Child or grown-up will have fun with this "Set of Six," for it's just 8-to-the-inch cross stitch. Pattern No. 1504 contains a transfer pattern of six motifs averaging 5 by 7½ inches; illustration of all stitches used; color suggestions; material requirements—all for 10 cents. This pattern may be obtained from Needlework Service, Kansas Farmer, Topeka.

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p. m.
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Eddie Cantor

Coca-Cola Program
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p. m.
Fridays



Gus Haenschen

Chrysler Program
8 to 9
p. m.
Thursdays



Major Bowes



Jessica Dragonette

Palmolive Beauty Box Theater
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p. m.
Wednesdays

All program time
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after Sept. 26

"It's an Ill Wind—"

MRS. A. G. M.

Blue Monday indeed! Going thru the wringer a lovely bedspread was torn—that shredding kind of tear difficult to mend and right in a place impossible to hide.

This one-time spread is now in the guest room—in the form of two pairs of drapes, a narrow dresser runner and a perky cushion for the low sewing chair.

The edges of the spread were daintily scalloped so these edges I used for the inside edge at the windows. The valances I made from the ends of the spread, and ran tiny hems where a selvage usually is. Three sides of the dresser runner is edged in dainty lace. The underneath side of the perky pillow is a contrasting piece of material from the scrap bag—the spread wouldn't stretch that far.

And so, my accident proved to be not a total loss.

She Had Nothing to Lose

By PLAIN JANE

When I was a girl I used to long for beauty. I wasn't overly homely, but I was ordinary looking. I used to wish that for just one day I might have that breathless look I had seen in other girls, with starry eyes and wavy hair.

Now, I'm rather glad I never had real beauty. I've seen those girls begin to lose their loveliness, to rush frantically to beauty shops for mud-packs and blond rinses; I've seen them give up at last to that great conqueror Time, and heard old friends say to them, "My, how you've changed!"

While I look just about as I always did—maybe a wrinkle and a gray hair or two, but with my freckles and mouse-colored hair, they're hardly noticeable. My husband says I'm just as beautiful as I ever was, and he should know. . . . So I'm ahead of the beauties after all—I haven't lost my looks!

Clowns for Kid Party

By MRS. A. P. RILEY

A party just isn't complete to children without ice cream. And if you would like to give the kiddies a real treat serve ice cream this unusual way at their next party. On a square of sponge or angel food cake place a round scoop of vanilla ice cream. Top this with an ice cream cone perched jauntily a bit to one side. Make features with melted chocolate and add a clowny frill where ice cream and cake meet, using a cake decorating tube filled with whipped cream. The cream may be tinted to add a gay note. No two faces will be quite alike and these are good for a grist of giggles at any party.

Why Pickles Shivel

(Requested)

Shriveled, wrinkled or tough pickles are the results of using an excessively strong solution of either salt, sugar, or vinegar in the preserving process, according to home economics specialists at Iowa State College. To prevent this shriveling when strong solutions must be used it is possible to "break in" the cucumbers gradually by first putting them in a weaker solution and gradually increasing the strength.

However, there is no hope for pickles which become soft and slippery. This condition is brought about by a spoilage bacteria.

Removes Teakettle Scale

By MABEL WORTH

In many communities where there is too much mineral in the water—perhaps lime and alkali—the home-maker is troubled with encrusted teakettles. Here are two simple methods, and harmless ones, of removing this scale:

Oxalic acid must be dissolved thoroly in water for the oxalic acid method—the more popular one. One to two tablespoons of the crystals, according to the size of the kettle and the thickness of the deposit, is usually sufficient when the vessel is half filled with water. Heat the contents of the kettle and boil slowly until no more gas is given off.

The other method is the vinegar one. One or more cups of vinegar accord-

ing to strength, and twice as much water will have the best effect.

No deleterious action will result with enamelware, but when aluminum is to be treated, the kettle must be emptied as soon as the deposit is loosened, or else the metal itself will be affected.

Then there is the old-fashioned preventive—placing a handful of large shot or very small marbles in the bottom of the kettle, and leaving them there. This is only partially successful.

Know Your Onions

MRS. A. B. A.

In the gentle art of proper seasoning there is no substitute for the juice of a raw onion. To extract the juice, cut a slice from the root end of a peeled onion and rub back and forth on a fine grater. Drain the liquid from the pulp. The pulp may be used when recipes call for grated or finely minced onion.

Numerous recipes call for only a tablespoon or perhaps half an onion. Quite likely, the remaining portion of the onion sets around, curls up at the edges and is quite unfit for use by the time we need another "bit." To prevent this waste, wrap the unused portion in waxed paper, slip a rubber band on to hold it securely, and store it in a cool, dry place. You'll find it full of flavor when unwrapped.

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Monkeys Aid in Paralysis Fight

By CHARLES H. LERRIGO, M. D.

MONEY from the President's Birthday Ball Commission has financed investigations in infantile paralysis that give hopeful promise of a reliable preventive by means of a nasal spray.

The monkey—not the guinea-pig—is the friendly animal that has been most useful in trying out experiments that may show how to keep our children from taking infantile paralysis. A few months ago California doctors of Stanford University school of medicine were given a money grant from the President's Birthday Ball Commission. This money was used in experiments on monkeys to produce a chemical that would protect the monkeys against the virus of infantile paralysis. The doctors tried 40 different compounds and finally settled upon zinc sulfate, which showed strikingly good results.



Dr. Lerrigo

Since the virus of infantile paralysis does its deadliest work thru the olfactory nerve, the nasal area which contains the olfactory hairs, mucous membranes, and nerve endings was the logical place for administration of the preventive. Other doctors from the University of Michigan medical school followed up the tests. Results seem excellent, so far as monkeys are concerned. Tried out on the human being, thru volunteer students, it was found necessary to add a local anesthetic to overcome the distress caused by application of the zinc sulfate. The resulting compound now seems very promising and is safe to use. The great question is, whether children will react to its use as favorably as did the monkeys.

Infantile paralysis has not assumed severe form in very recent years but it is still a disease to spread terror. Since there is no reliable vaccine against it and the use of convalescent serum, as practiced a few years ago, is not a success, parents will welcome any reasonable preventive measure. The new spray is for use when an epidemic threatens. It is not something that can be handled by home treatment. You will have to take your child to a doctor, and the doctor must be a good one who will follow the methods outlined by the research doctors with great precision. Particular attention is called to the fact that a nasal spray used thru an atomizer equipped with the ordinary bulb will not be likely to be effective. The spray must go much deeper than such application would carry. Special apparatus is needed and the operator must be one of sufficient skill to see that the application penetrates sufficiently to completely cover the olfactory area. Properly used by one skilled in the technique it should not create

greater discomfort than is common with such treatments. It is believed that treatment of this kind given 2 or 3 days in succession will give immunity for a period of 4 weeks.

No Home Treatment

What can one do for pyorrhoea? Would you advise seeing a dentist and taking treatments? I would prefer a home remedy.—J. E. C.

There is no home remedy that will cure pyorrhoea without the aid of the cleansing treatment that can be given only by a dentist. Nothing that you try to put on can be effective until the dentist has cleared away the scale and pus pockets. There is a new treatment given by specialists in dentistry in which they clear away the pus by electric current.

No Tonic Makes Blood

I am very thin, weigh only 110 pounds. I need a tonic that will make new blood. What do you recommend?—S. M. C.

There is no tonic that will make new blood. Blood never is made by medicine. It is a product of nourishing food. It sometimes does happen that a little tonic medicine will spur the appetite so that more food may be eaten. But the best tonic for that is light work in the open air. So the way to get good rich blood is to eat nourishing food, and the way to get the appetite for this is to live, as nearly as possible, a normal happy life with enough work, enough play and enough rest. Cod liver oil combined with vitamins A-B-D would be a good guess if you insist upon medicine.

Something Else Is Wrong

I should like to know why the back of my head hurts me so much. I have been to several eye specialists and they say my eyes are no reason for it. It bothers me to lie on the back of my head any time.—S. J. M.

Instead of going to an eye specialist you should consult a doctor who specializes in internal medicine. There are many things besides the eyes to consider. High blood pressure is one, infected sinuses another. It is possible, too, that there is some cranial pressure that might be detected by an X-ray picture.

May Spread Tuberculosis

A relative has bone tuberculosis. Could one take ordinary tuberculosis from that?—J. V. A.

Tuberculosis of the bone is not so contagious as that of the lungs because it is not spread around everywhere by sputum. In other ways it is fully as virulent. One who did not take proper care might contract tuberculosis that would develop into "ordinary tuberculosis."

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

JIMMY SHEPHERD

"If that's a worm, it's the first time I ever heard one growl."

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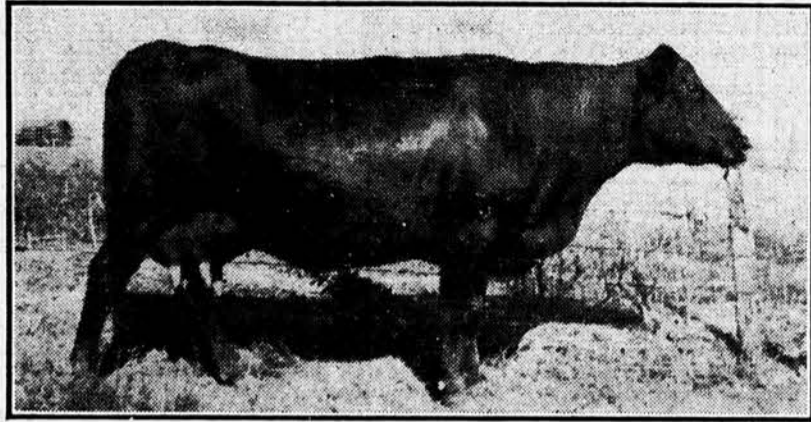
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Wedding Gift Started Dairy Herd

By JESSE R. JOHNSON



A good Red Polled cow from the herd of G. W. Locke, DeGraff. This is the only exclusive herd of this breed in the state.

THE only exclusive Red Polled dairy in the state is owned by G. W. Locke, DeGraff. The herd was established 25 years ago when a registered heifer was presented to Mrs. Locke for a wedding present. More than 150 quarts are delivered daily the year around. This with a daily delivery of several dozen pints of cream affords a substantial income. The cream sales are made necessary because skim milk must be provided for the large number of calves constantly growing up on the farm. The butterfat tests run above 4 per cent and the dairy is operated under a model dairy ordinance that provides for the best of sanitary regulations. Mr. Locke culled close for years and developed uniformity in type and production. But during the years he has sold hundreds of purebred cattle.

The farm is located 12 miles north of Eldorado and the milk and cream is sold and consumed there. Regular tests for abortion and tuberculosis have been made for the past 5 or 6 years. Several thousand dollars is invested in dairy equipment, such as copper coolers, sanitary dairy buildings and delivery wagons. But no unnecessary expense has been incurred in building big show barns. The cows for the most part live out in the open, with sheds provided in case of bad weather. They are milked twice a day in a neat little inexpensive place with stanchions for the milking of 6 at a time. As the 6 are milked they are turned out and as many more enter.

In selecting herd bulls care is given to production records. The present

herd bull comes from a dam with a milk record of more than 17,000 pounds of milk.

—KF—

Melting Pot for Wheat

As New York with its millions from all parts of the world is considered the "melting pot" of humanity, County Agent Daly believes Cowley county might well lay claim to that distinction for the Wheat Belt. One hundred samples of wheat obtained at random from lots that farmers intend to plant showed 20 different varieties.

At present, most farmers seem to be growing Blackhull wheat, of which variety 28 samples were obtained. A close second was Tenmarq wheat with 23 samples. Other varieties represented by the local samples are: Blue Stem Fultz; Velvet Chaff, Chiefkan, Super Hard Blackhull, Peck, Velvet, Jinkey Red, Per-Koff, Kanhull, Red Curl, Kanred, Clarkan, Michigan Wonder, Italian Wonder, Early Harvest, Turkey, Oregon Red and Kawvale.

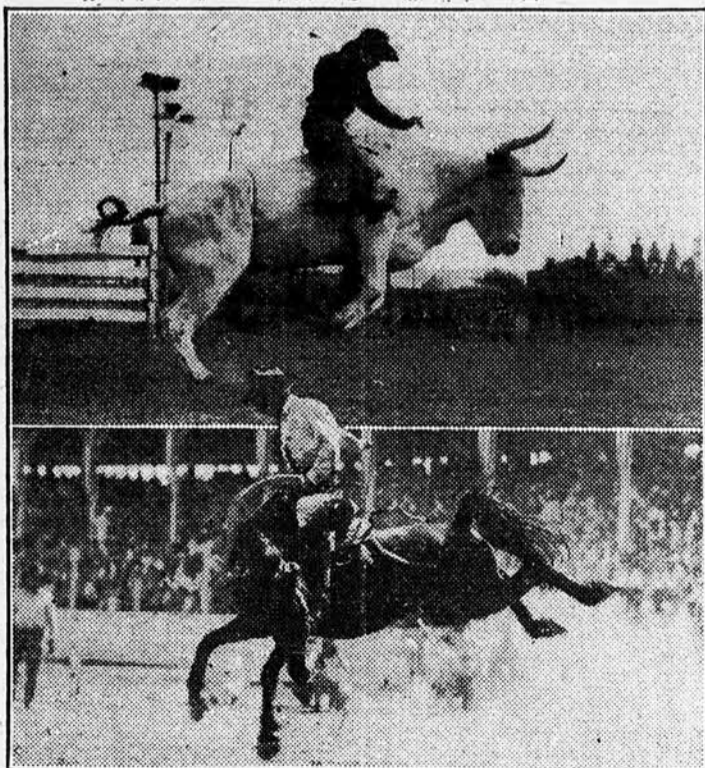
Out of the 100 samples, 17 farmers providing samples had either a mixture or did not know what variety of wheat they were raising.

—KF—

Irrigated His Potatoes

Peter H. Koehn, of Cimarron, Gray county, grew some fine Irish Cobbler potatoes this season. He estimated the yield on an acre basis at 160 bushels. "They were irrigated two times," he says. More proof that irrigation pays in Kansas.

Rodeo New Feature of Kansas State Fair



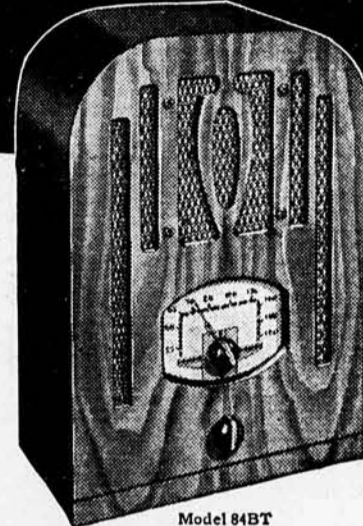
A new feature of the Kansas State Fair this year will be the Clyde S. Miller Rodeo, the biggest individually owned rodeo in the country. More than 60 cowboys will take part in the program of bronc riding, steer riding, fancy roping, and other events. The rodeo will be held on Sunday afternoon, Sunday night and Monday afternoon. Two rough riding scenes are shown.

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Rosalia, Washington

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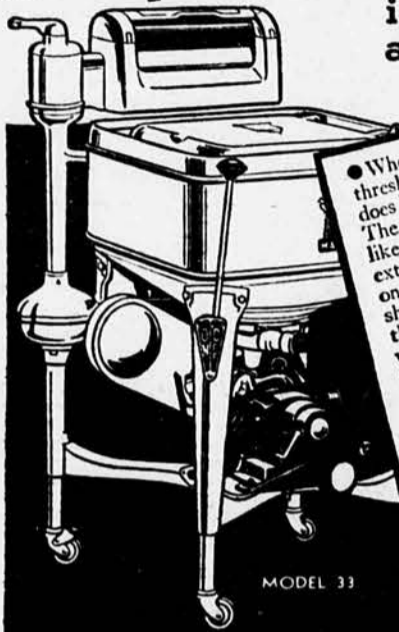


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thresher, a binder, or a washer, what it
does is more important than what it costs.
The farm home needs a sturdy washer
like the Maytag—a tub that holds an
extra amount of clothes like the Maytag
one-piece, cast-aluminum tub. The washer
should have four adjustable legs so that
the woman neither has to stoop nor reach
while washing. Yes, the Maytag has all
these advantages and more—features that
you get only in a Maytag. Ask the near-
est dealer to demonstrate the Maytag.



YOUR CHOICE OF POWER
The Maytag gasoline Multi-Motor is a simple,
sturdy engine. Interchangeable with an electric
motor by removing only four bolts. E-11-37

VERY EASY TERMS

IF IT DOESN'T SELL ITSELF, DON'T KEEP IT
THE MAYTAG COMPANY • MANUFACTURERS • FOUNDED 1893 • NEWTON, IOWA

OFFICIAL **KANSAS STATE**
FAIR
HUTCHINSON
SEPT. 18-24

Return of Agricultural prosperity to
Kansas insures big showing of Kansas
livestock, crops and power farming
equipment at the

Kansas State Fair
Hutchinson, Kansas

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New 1937 "JAY BEE" Portable Hammer Mill
Best Grinding
Opportunities
Now! Small
Amount Down!
WRITE QUICK!

Most Durably Constructed, Most
Efficient Portable Mill, assures many
years of profitable service. Most efficient
power unit assures big capacity at low grinding
cost. Many new, exclusive features.
Mount on any 1-1/2 ton truck. See the New 1937
"JAY BEE" Portable. Don't lose time.
Stationary grinders for individual farm grinding.
Write for description, prices, terms, etc.
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JAY BEE SALES CO., JOHN J. WOODS, MGR., KANSAS CITY, MO.

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Quality Boots at lowest prices.
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1651 Larimer Denver, Colo.

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\$15 to
\$30
A DAY
The OTTAWA fast custom Grinder. Write
today for easy terms and low factory prices.
OTTAWA MFG. CO., 541 King St., Ottawa, Kans.

Orchard Harvest Turns to Peaches

By JAMES SENTER BRAZELTON
Echo Glen Farm, Doniphan County

WE NOW are harvesting the larg-
est crop of peaches this section
has had in years. The quality is
excellent and the demand has been
good. The peaches bring from \$1.25
to \$1.75 a bushel. Sebastian J.
Reil, of Wathena, one of the largest
growers in the district marketed be-
tween 400 and 500 bushels of fine El-
bertas. Concord grapes are the next
crop to occupy our attention and then
we shall begin picking the Jonathan ap-
ples, followed closely by Red Delicious.

As the time draws nearer for the
Kansas state fairs more and more in-
terest is aroused among the apple men
for they see an opportunity here to ad-
vertise Kansas apples to Kansas folks
who should be our most loyal consum-
ers. According to Prof. W. F. Pickett, of
Manhattan, superintendent of the apple
show, Doniphan county growers usu-
ally carry off most of the prize money
which, this year, amounts to \$1,000.

Dubach Brothers of Wathena have
exhibited continuously for a number of
years and always manage to bring
home their share of blue ribbons. P. F.
Dubach acts as bally-hoo man and the
contacts he makes are enlightening to
the public and often profitable to him-
self. Mr. and Mrs. Dubach have just re-
turned from a tour of the Pacific North-
west. It has been a long time since a
trip of this kind has been made by a
Doniphan county apple man. It is a
healthy sign, an indication that the
business of growing apples is again be-
coming profitable. It is to be hoped
that after the harvest of this year's
crop many others will be able to take
trips, buy new cars, paint their houses
or do a thousand other things they have
been wanting to do.

Apple Section is Honored

The American Pomological Society
on its recent tour of the West honored
this apple district by halting its jour-
ney here for a few hours to be con-
ducted by local growers thru a few rep-
resentative orchards. Outstanding in
the party of visitors was a Canadian
grower, A. Grant Fox, of Normandale,
Ontario. Mr. Fox is vice-president of
the society and is the owner of a 300
acre peach orchard in Norfolk county,
Ontario. In comparing soil manage-
ment problems Mr. Fox said, "Nowhere
is there any soil similar to your wind
blown soil of Troy. We in Ontario have
a shallow sandy loam with the topsoil
about 1 foot deep. Our crops respond
to potash more than any other one fer-
tilizer. Your soil seems to be rich in
everything. Your limiting factor ap-
pears to me to be moisture. I believe
your land is the richest land in the
world, if only you could in some way
irrigate it. Your soil problems are en-
tirely different from ours."

Apple Growers Unite

For the first time in history the great
apple industry of this country is about
to present a united front. In the mar-
keting of this year's huge crop last
minute arrangements are rapidly be-
ing completed to move as a national,
single industry. For the past 3 years
the various apple producing regions
have been organizing and each has been

working as separate advertising units.
At the annual meeting of the National
Apple Shipper's Association in Chi-
cago, August 10 to 13, representatives
of all of these groups got together in
a conference called by Carroll R. Miller,
secretary of Appalachian Apples, Inc.,
Martinsburg, W. Va., and Dr. J. H.
Gourley, Columbus, Ohio, president of
the National Apple Institute.

The purpose of the conference was to
consider the offer of the National As-
sociation of Food Chains to help move
the record-breaking crop this fall. The
meeting consisted of 24 apple men and 6
executives of chain store organizations.
Foreseeing the nation-wide bumper
crop approaching the chain association
chiefs agreed that every possible mer-
chandising assistance ought to be ex-
tended to apples. A committee repre-
senting the apple men also met with
Theodore Christianson, executive head
of the National Association of Retail
Grocers, covering the same ground as
in the conference with the chains. Mr.
Christianson stated his organization
would be glad to comply to the fullest
extent with the special retail push on
apples this fall and winter. The pro-
motional work by the National Chains
and Retail Grocers begins this month.

Plan Special Sales Campaign

Taylor M. Bauer, manager of the
Wathena Apple Grower's Association,
is a member of a national committee
to work with the chain store and inde-
pendent grocer organizations in plan-
ning special sales campaigns. Mr. Bauer
said the retailers plan to feature ap-
ples for one solid week in every month
for the next 5 months. Apples will be
mentioned in their advertising copy
and attractive window and counter
displays will be made to attract and
excite consumer interest. The retailers
similarly co-operated with citrus fruit
growers last winter in moving the big-
gest orange and grapefruit crop on
record at fair prices.

—KF—

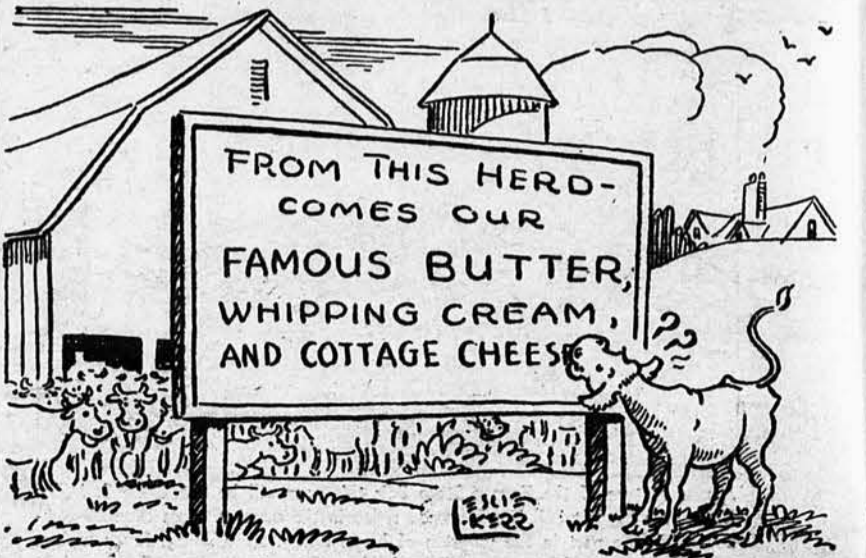
Plan for Swine Day

October 2 has been set as the date
for the 10th annual Kansas Swine
Feeders' Meeting held annually by the
department of animal husbandry at
Kansas State College, according to C.
E. Aibel, in charge of the swine in-
vestigations at the college.

Addresses by persons prominently
identified with the livestock industry
and reports concerning swine feeding
experiments which have been com-
pleted in the past year will be features
of the day.

In the morning there will be no set
program of speeches, but at the swine
barn there will be opportunity to in-
spect the college swine herd. There
also will be a showing of the fat bar-
rows that will be shown at the Ameri-
can Royal Livestock Show, and the
hogs fed experimentally the past year
will be on exhibition, and a demon-
stration of forage pastures for swine.

At 1 o'clock in the afternoon a
speaking program by nationally
known livestock men covering the hog
outlook for 1937-38 and other phases
of hog production will be discussed.



"So Mom's been holding out on me—all she gives me is milk."

Radio Patrol Now Covers The Entire Central West

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

FOR YEARS the Protective Service, sponsored by Kansas Farmer and other Capper publications, has insisted that one of the most effective ways of fighting thievery is to get prompt action, after every raid. Before action can be taken, proper information must be had. Today, the quickest way of spreading information is by means of the radio. For that reason, the Protective Service is using several broadcasting stations in its war on thieves. A report of thefts and complete description of stolen property are sent out thru these various stations, so that law enforcement officers and law-abiding citizens can keep properly informed on the latest developments of any search for stolen property.

Flashes From Many Stations

Protective Service broadcasts are now being made from 7 stations and at least 3 more are expected to be put into service in the near future. One of these will be near the line, between Texas and Oklahoma, another in northern Illinois and the third in Indiana. The daily schedule at present is as follows:

- WIBW, 580 kilocycles, Topeka, Kansas, 10:30 a. m.
- KMMJ, 740 kilocycles, Clay Center, Nebraska, 9:40 a. m.
- KMA, 930 kilocycles, Shenandoah, Iowa, 11:00 a. m.
- WNAX, 570 kilocycles, Yankton, South Dakota, 11:15 a. m.
- KFRO, 1370 kilocycles, Longview, Texas, 11:40 a. m.
- WDGY, 1180 kilocycles, Minneapolis, Minnesota, 9:45 a. m.
- KCKN, 1310 kilocycles, Kansas City, Kansas, 1:25 p. m.

Nearly a Thousand Arrests

Since January 1 of this year, 986 thieves and burglars have been arrested thru the efforts of the Protective Service and Anti Crime members, working with local law enforcement officers. In most of these cases, Service members have started the law into motion by reporting crimes promptly to sheriffs and police departments. Many arrests and recoveries of stolen property have been the direct result of radio broadcasts and prompt publicity given thru other sources.

Many Bands Are Broken Up

While in some instances, thieves have worked independently, it is not unusual for a group to work together. In the group plan, it is a common thing for one to be sent out as a spotter, to locate property to be stolen, and others follow up by furnishing transportation and possibly a third to do the marketing. Such a band operated several months in counties adjoining Wichita. During that time, horses were stolen from 19 different farmers. At least two of them were Protective Service members. More than one broadcast was made, before the 3 criminals were brought to justice. A

Protective Service reward will be paid for the convictions, just as soon as proper division can be decided upon.

Another band, operating in Missouri, stole 45 head of cattle at one time from Mrs. Lenna Waller, and Kirk Jackson, both of Camden, Missouri, R. 1. A broadcast was made of this and within a very short time two thieves were arrested and confessed to the theft. Sentence will be given at the next term of court.

At present, a band of hog thieves is operating in Iowa. Sheriffs of 4 counties, Clay, O'Brien, Buena Vista and Sac are holding daily councils in their efforts to catch up with the thieves. Fat hogs weighing a total of 2,400 pounds, were stolen from one farmer. Twenty-eight large hogs were stolen from a slaughter house near Wall Lake. Broadcasts concerning the activities of these thieves are being made, as rapidly as information is gathered.

Latest reports show that cattle rustlers are busy in Oklahoma, South Dakota and other states. The general hook-up for radio service, the widespread use of the Capper marking system, burglar alarms and other means furnished by the Protective Service, are putting farmers in a better position to win over the criminal element.

Changed Name Didn't Work

Sheriff A. D. Stevens, Rooks county, came quickly to the call of Service Member Ephraim Wires, R. 1, Stockton, when 132 bushels of wheat were stolen. Some tracks were found, and the thief was trailed to a nearby small town. An assumed name was used in the sale of the wheat but it did not take Sheriff Stevens long to find that the guilty man was Otto Wise. He has been convicted and given a state reformatory sentence. A \$25 reward, paid by Kansas Farmer, was distributed among Service Member Wires, Sheriff A. D. Stevens and Undersheriff Bryan Reeder, all of Stockton.

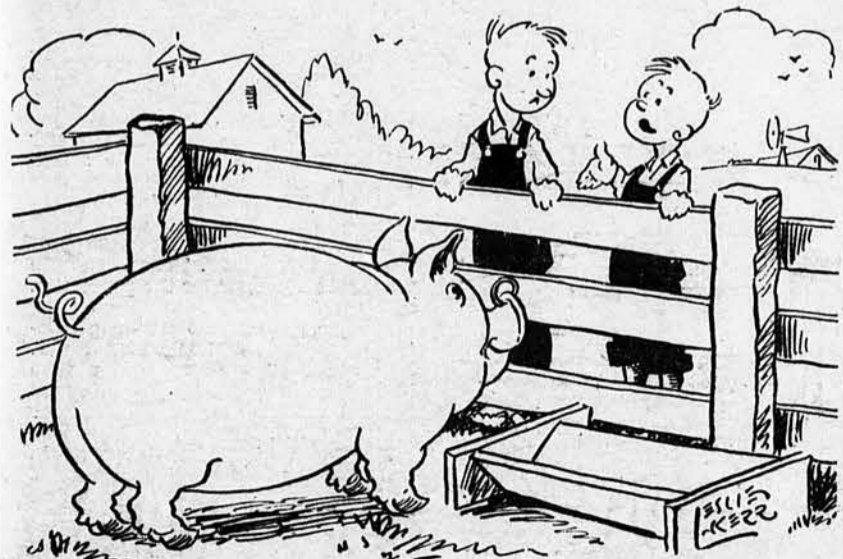
To date, Kansas Farmer has paid \$25,800 in rewards for the conviction of thieves who have stolen from posted premises.

-KF-

Good Barley in Phillips

Club Mariout barley was the best yielder in Phillips county this year. County Agent Paul Nelson said it earned the reputation of being the most consistent producer. On land handled by McDill Boyd, Phillipsburg, Club Mariout made more than 30 bushels to the acre and tested 48 pounds, which is both a good yield and an excellent test.

Blackhull and Tenmarq wheats have been giving such a good account of themselves in that section recently, that Mr. Boyd, who is a Phillipsburg newspaper man, said he intended to plant a limited acreage of one of these as a possible substitute for Kanred wheat.



"But Porky's only 2 and weighs 200—I'm 8 and only weigh 80."

Why Waste 1/3 of your Roof Coating Dollars?



RUTLAND saves money because more material stays on

Remember this important fact in buying roof coating. Actual tests show that one-third the weight of some roof coatings evaporates within a few hours. Buying such products is like paying good money for cans one-third empty.

Rutland No-Tar-In Roof Coating waterproofs better because it isn't "loaded" with solvent. More material per gallon stays on—forming a heavy, tough film of asphalt bound together with asbestos fibres. There's no tar in Rutland. Does not crawl, crack or peel.

Rutland may cost a trifle more per gallon but far less per year. You can Rutlandize your

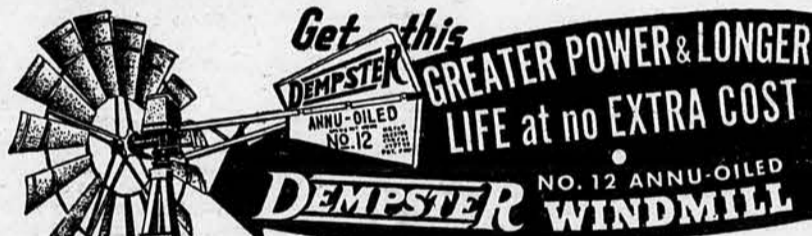
roof for only 1½¢ to 2¢ a sq. ft. Ideal for all roofs except shingles. Mail coupon if your local dealer does not stock Rutland. Rutland Fire Clay Co., Rutland, Vt. Also makers of Rutland Patching Plaster, Furnace Cement, Stove Lining, etc.

P. S. For badly worn holes, around flashings, etc.—use Rutland No. 4 Plastic Cement.



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Name.....R.F.D.....
Town.....State.....
No. of sq. ft. to be covered.....
Name of local dealer.....



You actually pay less for this better-built, smoother-running Dempster Windmill! It costs no more yet is famous for its greater power and longer life. Costs less per year of service than any other on the market. First cost is practically the only cost.

Assures plenty of water for years to come. Starts humming in the slightest breeze. Takes care of itself in strongest winds. Dependable! Powerful! Efficient! Timken bearings; machine cut gears; positive brake; ball bearing turntable; pullout tube. Main shaft

assembly will practically never wear out. Simple shut-off device. Scientifically designed wheel. Gears fully protected from dust and sand. Oil it only once a year! Built as good as the finer automobiles. See it before you buy.

DEMPSTER STYLE "B" TOWER

A tower high in quality and moderate in price. "The best ladder I have ever seen," many have said to us. Made with angle side bars and channel steps—it is easy and safe to climb. Heavy angle girts every 5½ feet—extra

well braced—adjustable swinging pump rod guides—convenient pull out—substantial platform—and rigid corner posts. Furnished in 2 in. and 2½ in. angle and in sizes 22 ft. to 99 ft. Built to withstand the storms!

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Avoid cholera loss by vaccinating with this pure, powerful serum. No setback. Costs no more.

Ask for free 20-page booklet.

O. M. FRANKLIN BLACKLEG SERUM CO.
Denver Kansas City Wichita Alliance, Nebr. Amarillo Fort Worth
Los Angeles Salt Lake City

Black Feather

Thirteenth Installment

By HAROLD TITUS

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In Preceding Installments

Burke Rickman, trader for the Astor Company, is bested by Rodney Shaw, last of the independent fur traders, in competition for the rich Pillager trade. Rickman plans revenge by sending for the marshal to arrest Shaw on a false murder charge of killing Leslie, Shaw's partner. But beautiful Annette Leclere, loved by both Shaw and Rickman, learns of Rickman's plans and gets evidence clearing Shaw and when she is unable to have soldiers deliver an order which would leave Shaw to his trade, she delivers the order herself, arriving just in time to prevent Shaw's arrest.

THE girl stood there, holding the cloak about her, facing Rickman. Her emotions were under control by then, her chin up, and with the dark of her eyes and the scarlet of her lips against the pallor of her face she was not only regal to behold but desirable. . . .

He moved his hands in a gesture of helplessness. Annette? This . . . this means what?"

"That at last I can speak truth!" she said, "after these weeks of shame and humiliation. "Two great privileges have come to me tonight. The one is in that I have repaired, as far as it could be repaired, a great wrong which I did Rodney Shaw. The other is that I can confess to you the falsity of my words at our last meeting.

"That morning of your departure, when you came to me for your farewells . . . when I begged you to remain; when I embraced you and kissed you,"—with a shudder—"I was only acting a part."

"Acting?"

"Acting, Burke, to save my . . . the man I love." He recoiled and she heard his breath slipping out in a low hiss.

"Did you think I wanted you?"—hotly. "Did you think I loved you after you had hatched and put to work such an infamous plot?" Her eyes flashed. "Did you believe for a moment such unfairness and truthlessness could do other than sicken me? Let alone thought of loving any other, once I had known Rodney Shaw?"

"Or did you . . . did you believe I would always be the capricious girl I had been?"

"When Rodney escaped, my prayers followed him. I took delight in the confusion and bewilderment which fell upon Donald MacIver and the others. I offered prayers for his success daily, because I was certain he would attempt just what he did attempt; to overtake and outwit you.

"And then, when word of his whereabouts and your last desperate move was divulged . . ." She shrugged. "I have told that. So my errand is complete."

She moved to slip thru the doorway and leave him but that movement galvanized him to action and Conrad Rich, skulking in the shadows outside, his mouth dry and heart close to suffocating him, started at Annette's gasp. He stepped forward and stopped because Rickman's voice, tho directed at the girl, was enough to stop any man of old Conrad's spirit. There was no mistaking his angry tone.

"So that's your object, eh?" the trader cried, grasping her shoulder. The words came between clenched teeth and their venom set the girl atremble.

"So you confess to me your love for this upstart? You make this journey to save him and humble me? Is that it?"

"Well, if that's it—"

"Burke! Let go! You hurt!"

"Hurt, do I? You speak of hurt!" He shook her slightly and Conrad pressed a hand over his mouth, looking wildly about. "What in Heaven's name do you know of pain?"

"Why, you've knifed my heart until there's nothing left there, I tell you, but pain! So you betray first one, then the other, eh? And now it's back to him, is it?"

"D' you think I'll let you have him? D' you think I'll let him have you? Why, if it takes the last breath that floods this throat I'll wipe this upstart out and leave for you not the memory of a strutting fool but of a corpse, spoiling in this wilderness!"

"Burke!" Her cry was faint and she wrenched in his grasp. His fingers

slipped from their grip on her arms, caught the cloak and as she writhed out of it and stumbled free he flung the garment behind him into the room.

"With soldiery here, you'd do that?" she cried and her words stayed him.

He had swayed forward to grasp her again but her words checked him.

"It is the wilderness, yes," she said, rallying all her spirit to combat this fresh menace she saw looming for Rodney Shaw. "But the military is here; law and authority are here!"

She knew this was insecure ground for argument. She knew the temper of the major's order; she knew that not even this threat against Shaw would hold the lieutenant longer than the night. But Rickman did not know that and in his face she had read such lust and ruthlessness that she seized upon his ignorance of the order as one sinking at sea grasps a straw.

And the straw balked him!

"Do you think that after this forced march, the military will return at once?" she taunted. "Men must rest, after such effort. And while they rest, warning will be given. Be assured of that, Burke Rickman; sufficient warning will be given and protection for decent men will be at hand! You no longer are within the shadow of Company headquarters where affairs may be bent to Company will. . . . Remember that. . . ."

She backed a step or two, turned, began to walk down the slope and broke into a run.

Rickman stood speechless within his room, fingers working slowly against his palms, and Conrad Rich scuttled away, moaning softly to himself. . . .

Annette found Capes awaiting her on the shore. Would it be distasteful for his party to encamp near hers? he asked. She protested that it would be reassuring and comforting.

"Then we'll move out to one of the islands," he said. "And before dawn, we'll leave this place behind!"—thankfully.

She gave him a curious look but, for the time, made no remonstrance. . . .

AND so a trader paced the beach, poison seeping thru his veins, gnawing his lips, muttering to himself, smiting the sand in helpless spite with his moccasined heels.

An enraged beast, this Burke Rickman. An enraged and helpless beast.

The desire to take Shaw's life had him in its grip with a strength which made his former animosities and hates seem as childish whims.

To take a weapon and stalk to the scene of the grand medicine and shoot Rodney down without warning or heed of retribution from his native friends would have been his chosen course. But Capes was there. Capes would drag him to answer for such vengeance. . . .

Up and down he paced, heedless of the growing clamor from the gathering of Pillagers. He turned aimlessly within his stockade, stalking slowly toward his own quarters.

Rickman had not detected the alterations in the sounds from the calumet.

The throb of drums, the chants of women had grown louder and faster with the passage of time. Occasional whoops and yelps had grown to a continuous chorus of boastful cries. Up and up waxed the bedlam until the night was made hideous. And

then, of a sudden, it climaxed in an ensemble of screams and screeches and dwindled suddenly to no more than a murmur. . . .

For days, women had worked at the building of the great medicine lodge, setting poles into the ground, covering sides and top with green branches.

Ceremonies, solemn and majestic, had been held within. Tonight, however, the calumet was to be danced under the stars. The post had been planted, the fuel for a mighty fire dragged there, warriors and women, old and the young, garbed themselves in their finest for the dance.

Up and up to an unplanned crisis, the savage spectacle pitched itself. Men jostled each other for a place and fell to quarreling even as they danced. Women began to stomp and teeter about the fringes of the circling men.

Up and up went the tempo of the orgy; louder the singing, faster the drum beats, broader the boasting. . . .

And now beside the post danced Running Fox, the son of Flat Mouth, beating the ground with his heels, not lifting the balls of his feet. His face was streaked with vermilion. The eagle feather in his hair gyrated as his body swayed.

"Ee-e-yah!" he cried and struck the post with his half axe and told of the wolf he had caught with bare hands.

"Ee-e-yah!" he screamed and struck again and shouted that he had outrun a frightened deer.

ANOTHER danced close, head almost to his knees, stomping and gasping a song. Mongazid, this, in from his summer hunt with his mind, until rum fuddled it, filled with thoughts of Nodding Spruce.

"Ee-e-yah!" cried Running Fox again as Mongazid raised his torso and bent it far backward from the hips, his face to the sparks that swirled upward toward the stars.

But on the movement he, caught sight of Nodding Spruce, her teeth gleaming as she beat a drum and swayed and sang. She was so lovely, so desirable; and the thought of the presents it would take to win her father's favor cleared the boy's stupefied brain for a moment, drove back even the frenzy of the calumet.

And there beside him was Running Fox, son of a chief, who on occasion looked tenderly at the girl and who now shouted his boastful lies.

Mongazid stopped his dancing as Running Fox shouted another boast. He swayed drunkenly before the son of the chief.

"The forked tongue!" he cried. "It was not Running Fox who clubbed the bear. It was Mongazid! It was Mongazid, and Running Fox would steal the glory of a brother!"

He dropped his axe, and fumbled in his girdle. The trade knife gleamed in his hand as, furious, he launched himself upon his tribesman. The blade cut an arc in the firelight, and Running Fox turned to elude. But his turning was not fast enough. The steel crunched across a rib, plunging to the hilt, and as Mongazid wrenched it free, a crimson gush bathed the other's breast. He stood an instant and then with a brave cry, collapsed beside the post.

That caused the quick silence; that brought them crowding close, giving Mongazid opportunity to slip away. And when they had lifted the lolling head and saw that the flow of life was running into sands instead of limbs, the wailing began. . . .

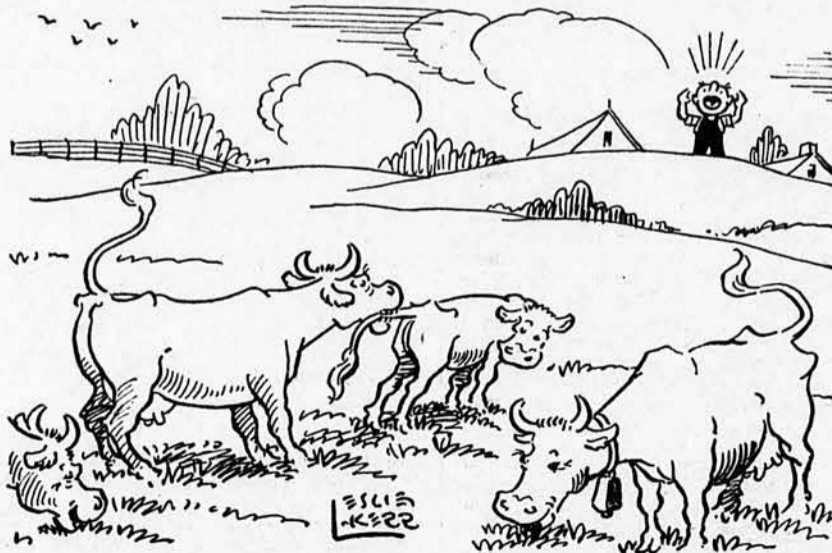
It was that wailing which finally attracted Burke Rickman's attention.

He had left his stockade and again stood on the beach, watching a point of fire on the largest of the group of islands grow bright. There, Annette would be; there, under the protection of Capes.

He began to tremble with a mixture of chagrin and rage and desire. He could picture the girl's face bathed by firelight. He'd have given his soul, in that moment, to be as near as Capes. . . .

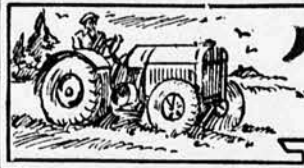
He found himself walking again and sweating in the chill, damp night and realized that he had been cursing aloud, alone there on the lake shore. And, too, he realized that the uproar from the Indians had changed. No songs, no yelps filled the night, now.

(Continued on Page 25)



"Junior, learn to be a little more diplomatic and don't run every time he calls us."

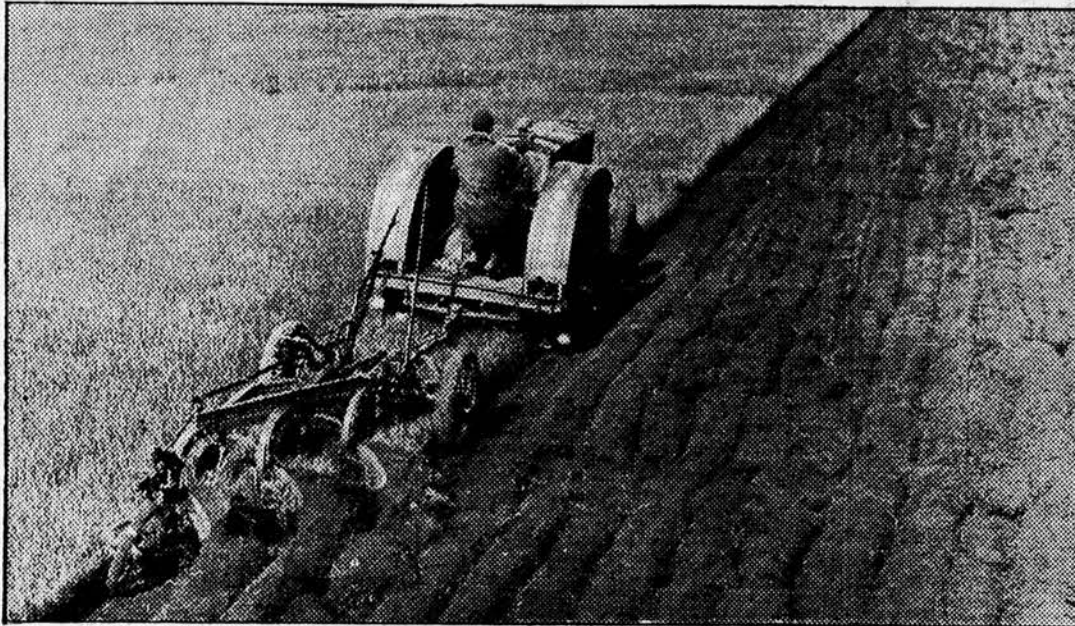
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The Tank Truck



News from your Conoco Agent about Farm Fuels and Lubricants



Two-Way Saving on Tractor Upkeep

Farmers in Many States Report Lower Expenses

With Fall field work at hand, every farmer will be interested in the two-way saving on tractor expenses reported to us by farmers who are using Conoco Germ Processed Oil.

Their experience indicates that a fill of Germ Processed Oil can safely be run a third to a half more hours than ordinary oils and with less make-up oil. That makes Germ Processed Oil cost less per hour's work than cheap oils. On top of this is the saving made by avoiding repairs and new parts, thanks to the way this patented oil cuts down wear in cylinder and bearings.

The secret of Germ Processed Oil's lower consumption and reduction of engine wear is Oil-Plating. Every oil lubricates by means of an oil-film. But Germ Processed, in addition to providing a strong oil-film, also Oil-Plates every engine part. Oil-Plating never drains down. It stays up in the engine when it is idle, stays on parts under work conditions that squeeze out ordinary oil-film.

These letters from farmers in many sections will point out the savings you can make if you let your Conoco Agent bring you a supply of Germ Processed Oil for your Fall field work.



C. W. McClellan, and his Conoco agent, North Loup, Neb., ordinary farm machinery." C. W. McClellan, North Loup, Nebraska.

NEBRASKA—"I used several other oils previously but not with the same success that I have had with Germ Processed Oil. In using this oil exclusively for over six years, I reduced my operating costs materially from a mechanical, fuel and lubrication standpoint. I also use your gasoline and tractor fuel and there are none better on the market. My farming activities consist of working an average 100 acres per year and the farm equipment, in addition to the tractor, consists of an irrigation pump and a Delco light plant as well as ordinary farm machinery."

NEW MEXICO—"I have used Conoco Products for several years. I use an International Farmall Tractor at present and have used Germ Processed Oil to my satisfaction. It is all that is claimed for it, and more, for I have found it will stand up 15 to 20 hours longer without draining than any other oil I can get. Besides in my opinion piston rings will wear longer with Germ Processed than any oil I ever used. I also recommend Conoco Pressure Lube and Sujind Grease for farm machinery, especially Sujind Grease for bearings subjected to continual running in dust, as dirt will not penetrate Sujind Grease." J. H. Ruth, Solano, New Mexico.

VIRGINIA—"My farm consists of over 400 acres and I use as motor equipment one tractor and one truck, in addition to pleasure cars. Prior to using Germ Processed Oil, I made a series of tests on various products, using my own farm and actual operating conditions as a proving ground. I am frank to state that Germ Processed Oil showed up better than any product tested and the results of my experiment were further justified during the six years I have been a constant user of Conoco Bronze Gasoline and Conoco Germ Processed Oil." W. F. J. Camper, Orange, Virginia.

IDAHO—"I've been a 100% user of Conoco Germ Processed Oil and Bronze Gasoline for 3 years and have had such good service from these products that I want you to know about it. I farm 300 acres, dry farming, and figure I've saved 20% on repairs since changing to your products. Besides, I lost no time when time was valuable." Gerhard Schmidt, Gooding, Idaho.

TEXAS—"I am farming 500 acres southwest of Sudan at Bula, Texas. I am operating one AC Tractor, A Minneapolis-Moline Combine Harvester and one Ford car. I have used Germ Processed Oil in my equipment for several years and am well pleased with the results. My oil consumption has been very low and I drain my tractor motor every 60 hours. In fact, I have operated it over 3,000 hours, have never added any oil, and have had no expense for repairs. I will recommend Germ Processed Oil to any farmer for his equipment, regardless of how big or how small his requirements are." E. O. Battles, Sudan, Texas.

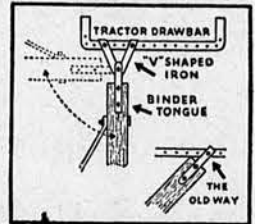
THAT'S AN IDEA

Do you know some handier way of doing things around a farm? Write your ideas to The Tank Truck care of this paper. We pay \$1.00 for each idea we publish.

When he paints his wood sheds and out-buildings, Carl B. Ike, of West Plains, Mo., mixes dry paints with drained crankcase oil instead of water. The oil, he says, acts as a preservative—like creosote on ties—and saves the wood. Likewise, M. G., of Manitou, Okla., painted the shingled roof of her hen house with oil drained from her car and tractor.

Here is a suggestion to owners of dual-wheel trucks, from Raymond Keiser, of Fordyce, Neb. Carry in your truck a good-sized block of wood, tapered at one end. When you have to change an outside tire, put the block under the inside tire and run the truck up on the block. It saves jacking up the rear end.

To avoid splitting binder tongues, Llewellyn Gustafson, of Newman Grove, Neb., rigged up the special hitch shown in the drawing. The V-shaped iron is bolted to the tractor drawbar and the binder tongue attached to it. This hitch allows you to make a sharp, right-angled turn and a neater job of cutting a field. The V-shaped piece should be of a little lighter iron than the drawbar.



If you have trouble loading cattle or hogs on a truck, William Stuenkel, of Concordia, Mo., suggests that you make a loading chute with a dirt floor. He says it takes out the sound of a wooden floor and the animals walk right up, with hardly a balk.

Lubricant for Hypoid Gears

If you buy a new 1937 Chevrolet, Studebaker, Plymouth, Chrysler, De Soto or Dodge, you will find it has a new type of differential gear, called the hypoid gear.

This gear is smaller than former gears, and the "load" on the working surfaces is much greater. This extra load makes it necessary to use a special extreme-pressure lubricant.

Continental engineers have developed a new Conoco Special Hypoid Gear Lubricant for these gears, and your Conoco Agent can supply it to you in sealed 1 and 3-pound cans. It has been approved by car manufacturers, and will give full protection you need.

Here are suggestions on caring for hypoid gears. Don't mix two different brands of hypoid gear lubricant. If you change brands, flush with 10-W motor oil—not kerosene.

Drain every 6,000 miles. Drain lubricant hot. Use hypoid lubricant only in hypoid gears.



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CONOCO MOTOR FUELS

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