

# KANSAS FARMER

CONTINUING  
MAIL & BREEZE

Volume 74

May 8, 1937

Number 36

## Better Farm Homes

# *Train*



## Where and When It Stops

The Train is being operated by Kansas State College, the Santa Fe Railroad and other co-operating agencies, to be of assistance to Kansas people in their home building and home remodeling plans. Here are the scheduled stops:

<b>Monday, May 10</b>		<b>Monday, May 17</b>	
Concordia .....	9:00 a. m.	Wellington .....	9:00 a. m.
Minneapolis .....	1:30 p. m.	Anthony .....	1:30 p. m.
Abilene .....	7:30 p. m.	Medicine Lodge .....	7:30 p. m.
<b>Tuesday, May 11</b>		<b>Tuesday, May 18</b>	
Osborne .....	9:00 a. m.	Pratt .....	9:00 a. m.
Lincoln .....	1:30 p. m.	Kingman .....	1:30 p. m.
Salina .....	7:30 p. m.	Hutchinson .....	7:30 p. m.
<b>Wednesday, May 12</b>		<b>Wednesday, May 19</b>	
Strong City .....	9:00 a. m.	St. John .....	9:00 a. m.
Emporia .....	1:30 p. m.	Kinsley .....	1:30 p. m.
Osage City .....	7:30 p. m.	Dodge City .....	7:30 p. m.
<b>Thursday, May 13</b>		<b>Thursday, May 20</b>	
Atchison .....	9:00 a. m.	Garden City .....	9:00 a. m.
Leavenworth .....	1:30 p. m.	Scott City .....	12:45 p. m.
Olathe .....	7:30 p. m.	Great Bend .....	7:30 p. m.
<b>Friday, May 14</b>		<b>Friday, May 21</b>	
Ottawa .....	9:00 a. m.	Lyons .....	9:00 a. m.
Garnett .....	1:30 p. m.	McPherson .....	1:30 p. m.
Iola .....	7:30 p. m.	Marion .....	7:30 p. m.
<b>Saturday, May 15</b>		<b>Saturday, May 22</b>	
Chanute .....	9:00 a. m.	Newton .....	9:00 a. m.
Independence .....	1:30 p. m.	Valley Center .....	1:30 p. m.
Winfield .....	7:30 p. m.	El Dorado .....	7:30 p. m.

## Among the Speakers on the "Special"

1. Amy Kelly, Home Demonstration Agent Leader for Missouri. She formerly held a similar position in Kansas, working out of Kansas State College, Manhattan.
2. J. F. Jarrell, Manager, Agricultural Development Department, Santa Fe System, in charge of the operation of the Train.
3. F. D. Farrell, President, Kansas State College.
4. J. C. Mohler, Secretary, Kansas State Board of Agriculture.

**Don't Miss the Train!**







## Our Crop Reporters Say—

**W**HEAT prospects, in general, continue to point to a good crop but some counties report insufficient moisture. Cool weather has continued to retard growth. Some corn has been planted with good stands. Movement of cattle to pastures has started. Light frosts failed to damage the fruit crop and bumper yields are indicated. Feed prices remain high. Few baby chicks seen so far.

**Barton**—We have been having considerable cold weather. Have had some dust storms. Pastures, wheat fields and other crops needing rain. Wheat, \$1.20; butterfat, 27c; eggs, 17c.—Alice Everett.

**Brown**—Wheat and oats looking good, corn planting started, smaller acreage than usual. Gardens doing well. Many mares being bred. Fruit trees in full bloom. Eggs, 16c; cream, 28c.—E. E. Taylor.

**Coffey**—Recent light frost did no damage. Some used smudges to save fruit. Almost everyone late getting oats sown. Some planted corn before finishing sowing oats. Some corn coming up and all report good stands. Potatoes and gardens coming up good. Many haven't turned cattle out to pasture yet, pastures and meadows short this year due to last year's drought. Not many chicks yet and reports are there won't be as many hatched because feed and grain are so high.—C. W. Carter.

**Cowley**—This spring has been ideal for moisture. Wheat and oats growing fine, altho too cold for gardens. Lots of potatoes planted with good stands. Grass growing slowly but stock now moving to pasture. Community sales doing a good business both at Winfield on Wednesday and Arkansas City on Thursday every week. Some building being done now.—K. D. Olin.

**Dickinson**—Weather cold and dry. Wheat is wilting from lack of moisture. Oats small but look good. Gardens and potatoes slow. Corn planting in full swing but soil is dry

and hard. Cattle are on pasture but not much grass. Egg prices unsatisfactory. Feed of all kinds high.—F. M. Lorson.

**Ford**—Wheat suffering from lack of rain. Feed ground being worked to keep down weeds and to conserve moisture. Most stock taken off wheat pasture. Native pastures mostly weeds as grass is killed out. Wheat, \$1.17; cream, 27c; eggs, 17c.—John Zurbuchen.

**Geary**—Most wheat looking fine. Oats late but doing all right. Alfalfa and pastures slow. A good rain would help a lot. Most stock out on pasture as early grasses have made quite a growth. Several pastures not leased. Corn planting getting well under way.—L. J. Hoover.

**Franklin**—Lots of windy weather has dried out the soil. Wheat looks fine. Many oats were almost too late. Plenty evidence now of lespedeza seeded last year, despite dry weather. More tractors being sold and horses steadily declining in price. Lots of thin cattle and a good many hogs and sheep sold. Some folks selling hens—eggs are low and feed high. Prices at the city feed yard sale, April 24: Horses, \$10 to \$125; mules, \$25 to \$180; dairy cows, \$25 to \$67.50; stock calves, \$15 to \$35; veal calves,

\$2.50 to \$16; sheep, \$7 to \$13.50; sows, \$12.50 to \$40; pigs, \$2 to \$14; seed corn, \$1.65 to \$3; alfalfa hay, 40c to 60c a bale; prairie hay, \$7.50 to \$16.50 a ton; straw, 10c to 15c a bale. Ottawa markets: Wheat, \$1.23; butterfat, 26c to 29c; eggs, 17c; hens, 9c to 13c.—Elias Blankenbeker.

**Gove and Sheridan**—Dry, windy and dusty. Early wheat needing moisture. The majority of wheat and barley in fair condition. Livestock in fair condition. Some livestock losses from wheat pasturing where there is no dry feed or grain fed. Baby chicks very scarce.—John I. Aldrich.

**Harvey**—Weather quite cool and a high northwest wind for several days. Some fields of wheat looking fine, others not so good. Corn listing in full swing. Oats making a slow growth. Livestock doing fairly well. Wheat, \$1.25; oats, 52c; corn, \$1.50; potatoes, 29c a peck; cream, 27c; eggs, 14c to 18c; heavy hens, 13c; light hens, 10c; stags, 6c.—H. W. Prouty.

**Jefferson**—Corn planting about completed. Less acreage than usual. All vegetation growing slowly because of unseasonable cold weather. Some sheep dying on pasture, cause unknown. Very few chickens being raised because of feed being scarce and high. Calves sell high at community sales. Eggs, 17c; cream, 30c.—J. B. Schenck.

**Lane**—High winds continue but do not move so much dirt since wheat has had a chance to grow. Weeds starting on dust piles. Grass has good start but needs rain. Not many row crops this year if wheat all holds.—A. R. Bentley.

**Leavenworth**—With strong, cold winds, gardens growing slowly. Wheat making rapid growth. Chicks plentiful and prices coming down, but selling slowly owing to high price of feed. Much farm work being done with tractors this year. Eggs, 18c; corn, \$1.50; bran, \$1.89 cwt.; shorts, \$2.05 cwt.; oats, 75c; potatoes, \$2.50 cwt.—Mrs. Ray Longacre.

**Lincoln**—Corn acreage small. Some planting done but farmers do not seem to be in a hurry. Alfalfa, pasture and gardens slow. Wheat needs rain. High winds last 10 days of April punished wheat plants severely.—R. W. Greene.

**Linn**—We have been having plenty of moisture. Wheat in good growing condition. Flax and oats all seeded. Prospect good for a fruit crop. Very light frost April 27, no damage. Farmers buying few baby chicks. Some road work. Centerville has shipped in 80 cars of corn, Mound City, 60. Milk cows and other stock on pasture now will save a lot of feed. Corn, \$1.42; eggs, 17c; cream, 27c; heavy hens, 14c.—W. E. Rigdon.

**Lyon**—Wheat, oats and grass growing fast. No damaging frost. Planting potatoes and gardens are the jobs these days. Good prospect for fruit.—E. R. Griffith.

**Marshall**—Wheat, oats and gardens need rain. Not much livestock left to fill pastures, no surplus stock. Not many baby chicks these days, feed too high. Hay scarce. There will be lots of contour listing this spring. Seed corn, \$2.50 to \$3; Sweet clover seed, 18c lb.; alfalfa, 30c; corn, \$1.40; wheat, \$1.30; oats, 67c; eggs, 18c; cream, 28c; Sudan, 6c lb.—J. D. Stosz.

**Ness**—Weather has been cold and dry. Wheat, barley and oats at a standstill. We need rain, must have it soon or will have a total failure. Stock has been doing well on wheat but must come off soon. Pastures not making much growth.—James McHill.

**Norton**—Wheat in fine condition for a crop if wind would stop blowing. Lots of gardens being put out. Wheat, \$1.20; corn, \$1.35; butterfat, 30c; eggs, 16c.—Marion Glenn.

**Osborne**—The last 10 days of April were unfavorable for growing crops. Oats and barley are at a standstill and stand is very poor. Moisture badly needed. Ground being prepared for spring crops. Top of ground hard and badly cracked. Early potatoes froze and gardens were damaged. Feed scarce and high. There has been quite a loss from pasturing cattle on wheat. Corn is selling for \$1.45 a bushel.—Niles C. Endsley.

**Reno**—Weather fine but getting a little dry. Wheat needs a shower. Some fields showing a little yellow but prospects are still good. Oats rather backward and need rain. Grass slow and cattle needing it badly. Feed about gone. Farmers planting very little corn. Sorghums will be planted as soon as rain comes.—J. C. Seyb.

**Rooks**—Wheat needs moisture. Some starting to plant corn. Had a 22 degree frost April 26. Cattle bringing good prices. Eggs, 16c; cream, 28c; corn, \$1.30; wheat, \$1.10.—C. O. Thomas.

**Rush**—We have had the driest April our county has experienced since records have been kept. Wheat is suffering badly for moisture. Other crops planted also are suffering. Pastures are from 1/4 to 1/2 dead. Stock thin and in many cases have been left on wheat pasture because of the condition of pastures. Dust storms are frequent.—William Crotinger.

### Reports Huge Hail Stones

L. A. Coble, who lives southeast of Emporia, recently reported hail stones falling on his farm that measured 5 1/2 inches in diameter. W. C. Schaefer saw hunks of ice 3 inches long on his farm. Many stones as big as golf balls were found near the Fowler neighborhood.

### Less Lime for Clover

Limited lime for growing Sweet clover is more commonly used than ever. Four hundred pounds of lime, applied with a fertilizer drill, along with inoculated seed, will give good results. Leonard Randall and W. S. Baker, Mound City, both have tried this method. They prefer it to heavy lime applications, altho the light treatment is necessary every year. And their results show that they are having success.



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	Pneumatic Tire	586.2

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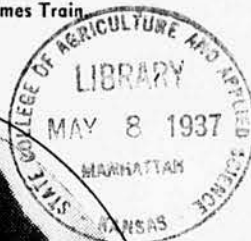
**GOODYEAR** *Money savers ON THE FARM*





This modern farm home, designed by Walter G. Ward, extension architect of Kansas State College, has all the earmarks of the comfort and joy of farm living.

Georgianna Smurthwaite, state home demonstration agent leader, will be on the Better Farm Homes Train.



# All Aboard!

## For "Old-weds" and "Newly-weds"

**M**AKING a farm home livable in every way—inside and out—for every member of the family! That is the Maytime theme song to be sung to the accompaniment of engine whistles and the rumble of wheels, when the Better Farm Homes Train makes its debut Monday morning, May 10, at Concordia, and until its swan song the next Saturday night a-week, May 22, at El Dorado.

This special train, carrying its better homes message to rural and townspeople, will travel thru Kansas the second and third weeks in May. It will make 36 scheduled stops in as many counties at locations selected so that virtually every community in the state will be near enough to visit the train.

The Better Farm Homes Train is the co-operative undertaking of the Kansas State College, the Santa Fe Railway System and other agencies. It will leave Manhattan the morning of May 10, and follow the network of the Santa Fe system thruout the state.

A complete farm home, from exterior landscaping to a fully-equipped modern kitchen, will be carried aboard the train in four all-steel cars. Hooked on behind these will be five additional cars, one for speakers, a coach for conferences with visitors, a pullman and a diner for the convenience for those in charge of the train.

Walter G. Ward, extension architect of the college,

### ---And All Better Homes Enthusiasts

By **RUTH GOODALL**

is in charge of the program and educational features aboard the special. He has been assisted in the construction of exhibits and the unifying of art and color thruout the train by a committee of architects, interior decorators and other specialists on the college staff. J. Frank Jarrell, manager of the agricultural development department of the Santa Fe System, will be on the train and in charge of its operation. President F. D. Farrell of Kansas State College, and Dean H. Umberger, director of the Kansas Extension Service, will be aboard the train. Likewise—and right up front—will be Georgianna H. Smurthwaite, state home demonstration agent leader, for how could any better homes project be run without a women to keep things going smoothly! Kansas farm women also will have the opportunity of renewing acquaintance with their old friend and leader,

Amy Kelly, now Missouri's state home demonstration agent leader, who for years held the same position in Kansas. Miss Kelly is to be a featured speaker on the Better Farm Homes Train program. The privilege of seeing and hearing her again will be inducement enough to bring the women folks out at all train stops.

Let it not be thought for an instant that this Better Farm Homes special is a feminine affair. There will be plenty aboard, too, to catch and hold the masculine eye. When assigned to write the story "from the woman's angle" I was warned—and solemnly—not to make the mistake of putting in too many frills. The warning was scarcely needed. I know only too well, being the daughter of a man, the wife of a man, and the mother of a potential man, that the so-called woman's angle is really many, many angles, reflecting the interest of the entire family which on the average, at the very best, is half masculine. So it is with this educational train which will carry exhibits of equal interest to the homemaker, to the farmer and to the rural youth. There will be a short speaking program at each stop and an opportunity given to the visitors to discuss with architects, engineers, interior decorators and home furnishings specialists their many building, remodeling and home decoration problems.

(Continued on Page 26)



Landscaping of rural homes plays an important part on the Better Farm Homes Special. It's pleasant work and pays big dividends on the investment.



# Business Men Decide to Study Farming

Passing Comment by T. A. McNeal

I HAVE a couple of interesting documents. One is the report of the Agricultural Committee of National Association of Manufacturers, and the other is a speech delivered on the National Farm and Home Hour by the National Manufacturing Association in Chicago on April 28, by Warren W. Shoemaker.

I will take up the speech first. It interests me because the speaker is not telling the farmers how to run their business. On the contrary he wishes to learn something from them. He says his committee of manufacturers does not have any farm plan. That is delightful. It is about the first talk to farmers I ever have read which did not somewhere in the course of it give a plan for running the farmers' business. Mr. Shoemaker says: "We, as business men, would no more expect to tell the farmer how to run his business than we would expect the farmer to come to our factories and manufacturing plants and tell us how to operate them."

That statement, also, rather pleases me. The assumption for a good many years has seemed to be that the farmers collectively were either an aggregation of boobs or were the downtrodden victims of a conspiracy, fostered by the manufacturers and other industrialists, to rob them.

Then, Mr. Shoemaker answers the question why American business is eager to know more about agriculture. He says quite frankly that it is a business matter. The business men have discovered that when the farmers are prosperous and happy, industry likewise is prosperous and happy. Therefore, the interests of agriculture and of business as represented by manufacturers and other big business, are mutual, not antagonistic. That seems plain enough, and yet there has been a quite general feeling until comparatively recent times that the interests of farmers and manufacturers were antagonistic. In other words the farmers have believed that the manufacturers were trying to gouge them as far as they were able. And so the manufacturers, says Mr. Shoemaker, have reached the conclusion that their interests and the interests of the farmers are mutual.

Having reached that conclusion the manufacturers decided to find out more about agriculture, and here again he makes a frank confession that they were amazed to find out how little they, as a group, knew about agriculture. Their committee has been working for a year trying to find out the things they perhaps should have known, but didn't, about farming and farmers.

Here are some of the things they have found out: First, that the story that nearly all the farms in the United States are farmed by renters, as some writers have stated, is not true. As a matter of fact, the committee reports that not more than 24 per cent of all the farmers in the United States are tenants, and if the South is eliminated from the calculation, and also the cases in which farms are rented by children from their parents, not more than 15 per cent of the farms are farmed by renters.

Now I have known for a long time that a much larger per cent of the farms of the United States are farmed by their owners than is generally supposed, but the percentage of farm owners is larger than I had thought.

Here is another surprising and encouraging thing shown by this report. The percentage of farm tenancy is not increasing. During the 20 years from 1880 to 1900, farm tenancy did increase about 100 per cent. But during the 35 years since 1900, the number of tenants has only increased 40 per cent.

## More or Less Modern Fables

A LARGE, raw-boned cow at a cattle sale observed with chagrin that a meek and diminutive Jersey was being eagerly bid for by a number of buyers, while nobody offered more than \$12.50 for herself. Then in a complaining way she turned to a companion and said: "I can't understand why those people should be ready to pay a big price for that little sawed-off Jersey, when they won't pay a third of the price for a large, husky cow like me." But the steer, to whom she directed her complaint, replied as he stowed away another mouthful of hay, "My raw-boned friend, this is not a question of size but a question of butterfat."

Two dogs were out hunting together and spied a porcupine. One of the dogs was about to make a rush for the little animal but the other dog restrained him, saying: "I can't say that I ever saw this particular animal before, but I once tackled a brother of his and have regretted it ever since."

It still is my opinion, as it has been for a long time, that the way out of our present economic difficulties lies in the development of small owner-farmed farms. A well-tilled farm of 15 or 20 acres will provide a comfortable living for an ordinary size family. And if the head of the family, or any other member of it, has the opportunity to get employment in a trade or factory nearby, that is within say 10 miles of his farm, working a part of the day, that also is entirely practical. It will make the owner of the small farm independent. It will provide him and his family with a healthful and delightful home life.

## Grass Is the Remedy

WRITING from Syracuse, out in the heart of the dust bowl, A. C. Bailey makes the following observations: "Am writing to you relative to the very disagreeable and destructive duststorms in the western plains country. I have lived in Western and Central Kansas for more than 40 years. We have had the Campbell System which resulted in wonderful crops occasionally, but as a rule the fine dust mulch began to blow about and killed all the growth. Then some of the boys came along with wheat trains and told us that a cloddy surface was the thing. We tried that and the wind did not blow the dust about so much. Then some fellow conceived the idea of the tandem disk which stirred up a shallow mulch which blew about very easily and did much damage.

"The disk plow with large disks spaced 12 to 16 inches apart was next in order. They pitched the clods high when the ground was too dry to use mold-board plows or listers, and buried the dust and silt under the clods 6 to 8 inches deep and the dust quit blowing. Then the one-way disk plow found its way into the Wheat Belt. With the disks spaced 6 to 8 inches apart, cutting shallow when the ground was dry and hard, as it usually is, it proved to be the best dust producer ever invented. With the tractor and the one-way disk plow the western farmer believed he had at last discovered the perfect way to prepare a seedbed for wheat. He found, however, that these plows only stirred up the surface and this, I believe, is chiefly responsible for the terrible dust storms we have experienced and still are experiencing.

"This dust and silt must be buried 6 to 8 inches deep before it will stay put. There is only one plow manufactured which will do that when the ground is dry and hard, and that is a disk plow with disks 36 to 48 inches in diameter. Plow the land and leave it alone. It weeds grow, use the weeder which will kill most of the weeds, but do not break up the clods; never harrow the ground. If you do not get rain enough to sprout wheat in cloddy ground, you will be better off than to have a fine, smooth surface which will blow nine years out of ten. Never sow wheat in a smooth-surfaced field as the chances are if you do you not only will lose your seed but will damage your neighbor. A Western Kansas farmer should be penalized for using a one-way disk-plow on dry land. Use disk plows that will plow your land 6 to 8 inches deep.

"If this plan is followed all over the Wheat Belt from Canada to Southern Texas, in 2 years we can cure the dust blowing, but it must be unanimous over the entire Western Wheat Belt. I am sure the right kind of disk-plow will put the dust and silt where it will stay. Theories will not stop dust blowing, but a cloddy surface will."—A. C. B.

While I do not have the faith in this plan that Mr. Bailey seems to have, I do think it has merit. There are two almost insurmountable difficulties in the way of solving the dust bowl problem. One is the nearly impossible task of obtaining co-operative action thruout the vast area involved. The dust-blown area covers parts of at least 7 states and to get all of these states to co-operate in any plan will be almost impossible.

The second difficulty is the fact that a large area of the land is not now owned or controlled by any person. Many of these farms have been abandoned. Even if individual land owners do all that is humanly possible, so far as they are concerned, that doesn't protect them from dust blown onto their lands.

Even the hardest clods will disintegrate, and a disintegrated clod becomes dust to be blown about by the wind. If a grass with long, fibrous roots like the roots of the buffalo grass should be developed, which can be sown and made to grow all over that dust bowl area, that would solve the problem, but no such grass apparently has yet been developed.

I am pretty familiar with Western Kansas and Western Oklahoma. I have traveled over every county in Kansas west of the central line—some-

times on horseback, sometimes by wagon, sometimes by buggy and sometimes by automobile.

Nobody can tell me much about the climate of that section which I do not already know. While the dust storms of the last 3 or 4 years have been worse than ever before, it is a mistake to suppose that these later-day dust storms are the only ones which ever have afflicted that country. Fifty years ago I witnessed some pretty bad dust storms. The only reason there was not as much dust in the air as now was because there wasn't so much dust to be blown about. The wind was just as damnable then as it is now. There were delightful intervals when the wind did not blow, when the air was as pure and exhilarating as anywhere in the world. On one of those windless mornings in Western Kansas along in June it was a supreme delight, an ecstasy to fill one's lungs with ozone-laden air. It made the breather feel that "God is in His heaven and all's right with the world." It seemed the more delightful by reason of its contrast with the hellish weather that often did prevail.

I believe the remedy for conditions which afflict the dust bowl is grass, some kind of grass which will produce more to the acre than the buffalo grass and which will have ability to withstand any brand of weather. If and when such a grass is discovered or developed and spread over Western Kansas I have a further hope, not without doubts, I confess, that man will not be foolish enough to plow it up again.

## The Rights of a Wife

A husband dares his wife to sell an egg or a chicken. After she has worked hard and raised the hens and gathered the eggs, he gives her orders that when any are sold he will do the selling as everything is his. He farms big. His wife has to work hard to care for a large family, five of the children are in school now. Her husband gives her to understand that all she can have is what she eats, and that he will see that she works to pay for that. Can she demand her half of the eggs and poultry and get it? The children have to see that she has clothes as he does not allow her a cent.—Mrs. M. D. L.

I DO NOT know whether the writer of this question is talking about herself or some other wife. She does, however, write a very good hand and spells well. I always am disposed to take a letter of this kind with some allowance, because it seems almost unbelievable that any man can be so mean as this question would indicate.

Yes, the wife has a remedy. The husband is legally bound to support her and if he does not he might be prosecuted criminally. In the second place, the wife may go into court and get an order requiring her husband to give her such an allowance as his means will permit. In the third place, if the facts are as stated in this letter, she has ample ground for divorce. In case she decides to apply for divorce the court undoubtedly would require her penurious husband to pay for her support during the pendency of the suit, also pay her attorney fee, and finally to turn over to her a large slice of his worldly possessions.

Finally, assuming that the letter is stating the truth, this wife is foolish to stand for that kind of treatment. She can make her husband dance to her music if she has the nerve to do it.

## THE KANSAS FARMER

Continuing Mail & Breeze

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One year 50 cents; three years \$1.



# Farm Matters as I See Them

## Pay Day Almost at Hand

THE White House and administration leaders in Congress, almost overnight, seem to have awakened to the fact that Pay Day—the day when the American taxpayer must pay for the huge expenditures of public funds in the last 4 years—is almost at hand.

As a result, Congress now is being deluged with plans, proposals, measures and orations on reducing appropriations. These proposals range from a flat 10 per cent cut in the totals of all appropriation bills passed at this session—now or later—thru a 25 per cent horizontal slash, to a move by Representative Woodrum, of Virginia, to recall all the appropriation measures to committee and have them done over again.

It is high time that steps are taken to reduce appropriations. I am with the President in his urge to Congress to cut down appropriations. But in all frankness, I must say I hope the job is done carefully and intelligently, and not in a frenzy of fear that will discard or cripple useful governmental services, along with those agencies, services and employees that should be done away with entirely or at least be pared down to the necessary minimum.

I am as much opposed to insensate slashing of necessary government services as I have been all the time to such extravagances as a billion dollars a year and more on the army and the navy. But the cuts are going to have to be made some time, and perhaps it will be better down the road to cut a little too much at this session, rather than too little. The total appropriations are going to be a burden on taxpayers, even at best.

## Against Higher Interest

I AM NOT in sympathy with the drive being made by the Farm Credit Administration, much as I esteem and admire Gov. W. I. Myers of the FCA, to increase interest rates on farm mortgages. It is my firm belief that 3 per cent interest is all that ought to be charged by the Federal Land Banks on farm loans, and I intend to push my fight to the limit to get this rate.

It must be admitted, however, that with the administration strength thrown against my 3 per cent interest rate bills, their chance of passage is none too good.

Action taken in the House committee on agriculture the other day seems to be a pretty fair index of what we may expect at this session in the way of interest charges thru the FCA. The House committee agreed to a proposed measure to continue the temporary 3½ per cent interest rate of Federal Land Bank mortgages another year, and to make the rate 4 per cent for the fiscal year ending June 30, 1939.

As you know, the basic rate is 5 per cent. So the 3½ per cent rate will be greatly helpful, altho it is higher than I hope to get.

A good thing the committee did was to agree on a 4 per cent interest for the next 2 years on the commissioner loans made by the Farm Credit Administration. These are the "distress" loans provided for in 1933, generally secured by second mortgages. They have always carried 4 per cent. From the viewpoint of equity, these loans should take at least as low a rate of interest as the land bank loans.

## Permanent Soil Saving Plan

THERE is one point that those who represent agriculture in Washington have got to bear in mind and not forget for even a moment while the Congress is engaged in economizing.

That point is just this: The Soil Conservation Program is not an emergency program, to be discarded or even curtailed at this time. The soil conservation is part of a permanent national program. The soil is our most valuable and necessary natural resource. It has been sadly depleted in the last century. Water and wind and bad management have ruined millions and millions of acres of our soil.

The soil conservation program must be carried out at all costs. Whatever money is expended for that purpose is not wasted; it is invested.

## Will Be a Good Investment

I INTEND to do my level best to see that the 5 million dollars for dust bowl control, allocated by the House in the appropriation for the Department of Agriculture, is not thrown out or reduced in the Senate. This money will be a sound investment for the country as a whole. It cer-

tainly is needed in the dust bowl. I am afraid there still are a number of people who have not sensed the very real danger in the march of the top soil in the Great Plains area. Secretary Wallace reported the other day that a test made under his direction showed as much as 200 pounds an acre on farms of Southwest Iowa this winter.

As Secretary Wallace expressed it, after an investigation showed only one-third as much organic matter in top soil where the wind had worked its way: "The cream of the soil is blown away—only the skim milk is left behind."

## Farm Prices Not too High

I AM OUT of sympathy with the drive against farm prices. Farm prices are not too high. Even last year, with short crops due to the drouth, the reports of the Bureau of Economics of the Department of Agriculture show that farm income was still 10 per cent short of the parity as measured by the 5-year period preceding the World War. These 5 years, 1910-14 inclusive, have been defined by Congress as the period in which agriculture received its fair share of the national income.

It might be interesting to note that since the war, agriculture never has received that share of the national income. In 1921, when agriculture was deflated in a mistaken drive against the high cost of living—mistaken at least in centering that drive on the farmer—farm income was only 60 per cent of parity. By 1925, it had come back to 85 per cent of parity income, only to fall to the distress level of 36 per cent in 1932. In 1936, when benefits and conservation payments are included in the reckoning, farm income was almost 90 per cent of parity.

I shall do my best to see that no governmental policies are adopted which will repeat the mistake of 1921, by driving down the prices of farm products. Farm purchasing power is the basis of national prosperity, and must be maintained at all hazards. Otherwise we will return to the bread lines which followed the 1929 crash.

*Arthur Capper*

Washington, D. C.

# Wheat Price Prospects Look Good

## Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed.....	\$13.50	\$11.00	\$ 7.25
Hogs.....	10.15	10.00	9.70
Lambs.....	12.75	12.00	10.75
Hens, Heavy.....	.16	.17	.18
Eggs, Firsts.....	.18½	.20½	.19
Butterfat.....	.28	.30	.24
Wheat, Hard Winter..	1.36	1.46½	.95½
Corn, Yellow.....	1.41	1.41½	.65½
Oats.....	.55	.56½	.28
Barley.....	.85	.89	.45
Alfalfa, Baled.....	20.50	25.00	15.00
Prairie.....	17.50	15.00	9.00

DESPITE prospects for a good wheat crop, it is likely favorable price levels will accompany the harvest. Foreign prices have risen until this country is nearly on an export basis at present levels. For the last few years, American prices have been so far above Liverpool that it was felt domestic prices would have to drop to put United States wheat on an export basis. What actually has happened is that Liverpool has come up until even a crop large enough to place the United States on an export basis might not materially affect this next year's wheat prices.

However, there is not much hope of gains to be made by carrying old crop wheat over into the new crop year. The

best time to sell old wheat will be on the first rise before harvest.

About normal yields of wheat must be harvested in the Northern Hemisphere this year in order to check any further decline in the world wheat supply, the Bureau of Agricultural Economics finds. World carry-over stocks have been reduced to below normal by 3 straight years of small crops. The April 1, wheat condition report for the United States indicated acre yields quite generally below average except in the far Southwest. However, any lack of condition in Kansas will be made up by much heavier acreages than in past years.

The lack of good condition in Kansas is primarily limited to a strip including perhaps one-fifth of the state at the Western and Southwestern rim. Only scattered fields further east are in poor condition. High-priced corn and only medium-priced hogs that are not paying for their feed at present are forcing a good many unfinished hogs on the market, observes Vance M. Rucker, of Kansas State College. This means they are the first showing of last fall's pig crop which soon will be coming to market. A fairly accurate rule is that when mid-April prices for hogs are lower than early April prices, later prices tend to be still lower. This means any hogs that are finished should be sold on a rally without waiting much longer.

It still seems advisable to carry along on pasture until summer, any hogs that are not finished. This method seems to have the best chance of showing profit, or at least is likely to show less loss than almost any other method.

Marketings of early spring lambs may begin in earnest at a later date than usual from most areas. Unfavorable weather and feed conditions and delayed lambing will reduce the number marketed before July 1. This speaks well for Kansas lamb growers who now are beginning to grade their lambs and send them into market.

In view of smaller marketings of lambs in prospect and the relatively strong consumer demand for meats, prices of spring lambs probably will be maintained during May and June at or near the present level,

which is from \$1.50 to \$2 higher than last year.

This short supply of native spring lambs probably will be accompanied by a large movement of grass-fat yearlings and wethers from Texas. The supply of this kind of sheep may run as large as the record movement of 1931, the Bureau of Agricultural Economics believes. It may mean weaker prices for this type of Kansas sheep.

## Use Dry Sodium Chlorate

Some startling results have been obtained from applications of dry sodium chlorate to bindweed. On the Auburn high school grounds, 5 pounds of sodium chlorate were used to the square rod of bindweed and applied October 3, 1935. The kill last summer seemed to be 100 per cent. Another application used was a mixture of 1 pound sodium chlorate to 4 pounds of coarse salt. The mixture was allowed to stand 2 days and then was applied at the same rate as straight sodium chlorate. The kill appeared to be good. Forrest Leonard, Shawnee county, tried the straight sodium chlorate treatment, too, and the kill appeared to be permanent.

In Nebraska this method has been used successfully, drilling the material by machine. It bears a great deal of promise, according to Kansans who have been studying it.

## Future Farmers Elect

Albert S. Coates, jr., of the Shawnee Mission chapter at Merriam, has been elected president of the Kansas Asso-

## Market Barometer

Cattle—All grades should remain strong, except straight stockers.

Hogs—Not much chance for higher prices now.

Sheep—Good lamb market expected until July.

Wheat—Good prices seem probable.

Corn—Fairly steady, altho this is of little importance to farmers at present.

Butterfat—Best prices since 1930, except 1936, are expected this summer.

Eggs—Not much change.

ciation of Future Farmers of America. About 600 members from 85 schools attended the state meeting held at Manhattan recently.

Other officers elected were: Vice-president, Hammond Bear, Abilene; secretary, Leonard Deets, South Haven; treasurer, Gene Birdsell, Winfield; reporter, Emil Heck, Lawrence; and adviser, L. B. Pollom, state superintendent of vocational agriculture at Topeka.

## Record Tree Planting Day

The 4-H Club of the Social Friends Club, of Pratt, recently planted 5,000 trees in 1 day. The occasion was the dedication of 7 acres of land obtained by the club for this purpose.



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

ROBERT C. VANCE

*Germany, a country of bootjacks and marchers. The last of this travel series by Mr. Vance. Let us know whether you have enjoyed these articles. Would you like a series on South America?—Editor.*

WHILE in Warsaw, Poland, I learned that my railway ticket thru Germany could be bought at a 40 per cent discount if it was bought outside of Germany. So I bought a ticket thru Germany to Cherbourg, France, and then exchanged my scant stock of American dollars for German reismarks. I was allowed 4 marks to the dollar. If I had waited to make the exchange inside the German border, I would have been given only 2.45 marks to the dollar. In other words, Mr. Hitler has declared that the mark is worth a little more than 47 cents and the rest of the world says that it is worth only two-bits. But when you are in Germany, you take Adolph's word for things.

At the German border my money was counted and I was given a currency declaration and told to keep it until I left the country, when my cash on hand would be checked against the declaration. In Berlin a few days later a fellow American showed me a letter he had received from London that contained a 5-pound bank note. The letter had been opened and resealed with an official seal. Stamped across the envelope was, "Opened in search of foreign currency." Inside was a notice directing him to call at the office of the Controller of the Currency. He told me that it took a half-day's talking to get permission to take that bank note out of Germany.

Included in the furnishings of my hotel room in Berlin was a bootjack. It was the first one I had seen since red-wheeled buggies and side-bar whisks went out of style in Nebraska. Suddenly it occurred to me that I had been seeing a lot of boots—military boots—all over Europe. The swank hotels and cafes resounded with the heel clickings of the nice shiny boots of the officers and, outside, the streets echoed with marching hobnails.

There seem to be 3 distinct classes of boot-wearers in Germany. All, however, seem to be marching toward the same end—the complete militarization of the country.

FIRST, of course, comes the Army. After nearly 20 years the goose step is back, and changing the Guard "Unter der Linden" is one of the impressive sights in Berlin. I do not know how many men are under arms in Germany today. I have heard various estimates, but I doubt whether anyone except Hitler and his high chiefs can give even an approximate figure.

"You Americans do not understand how closely industry and the military are linked together in Europe," a German told me. "We are an industrial country; we must have a market for our goods. It is natural for the weaker nations of Europe to wish to be on friendly terms with the stronger ones. All other things being equal, they will buy goods from the nation with the strongest army. If Germany has the greatest army, they will buy from us. If France has the strongest, they will buy from France."

There is still a lot of unemployment in Germany and the large Army is helping to take up the slack. In September when I was in Berlin, the official government figures set the number of unemployed workers at 1,169,800. If the munitions factories were to close down, it probably would double the number of unemployed; for Germany spent more than 2 billion dollars on armament in 1935 and the amount will be fully as great in 1936 and 1937.

Of course, someone has to pay these vast sums for the upkeep of the military machine. As to whom it is, I'll tell you about a waiter in a second-rate cafe and let you draw your own conclusions. This waiter, after looking around to make sure there was no one else within hearing distance, told me that he was paid 145 marks—worth \$59 in Germany—a month. Seventeen marks and 40 pfennigs are deducted from his salary every month and paid to the government as income tax.

I might also mention an old fellow whom I employed for a couple of days in Berlin as a guide and interpreter. He was about 65 years old, a World War veteran, and was wearing a little Iron Cross in his coat lapel. His salute—uplifted hand and "Heil Hitler"—to everyone in uniform, from street car conductors and mail carriers to police and army officers, was as snappy as anyone's. Yet one afternoon as we sat on a park bench he made this remark: "I am perfectly content to be an old man. I would hate to be a young man in Germany today."

The second class of boot-wearers is the Labor Corps. The Labor Battalions, numbering more than



"It seemed to me that all of Germany was marching."

a million men, are similar in some ways to the CCC in the United States. They are made up of unemployed young men. The men are housed in cantonments and supplied with uniforms and a few pfennigs a week for spending money. They work at building roads, digging drainage ditches and other public works. And when I say "work," I mean just that. I visited one labor camp near Berlin and there were no shovel handles in that outfit bent by leaning on them.

These Labor Battalions are under the strictest military discipline. There is a snap in their movements that is equal to the troops of the regular army. With a retired Major of American Marines I watched a column of them marching down the Williamstrasse to the railway station. "All those babies have to do is trade that spade for a rifle and they are ready to go," was the Major's comment.

Last among the boots that are pounding the German pavements are the Brown Shirts—Hitler's own

brave boys. They wear boots, riding breeches and brown flannel shirts with the Swastika emblem sewed on the sleeve. In age they seemed to range from 35 to 55.

As the system was explained to me, the Brown Shirts have no official rating. They serve without pay. They are simply good party men who earn a living at their regular jobs and then put in their spare time keeping things lined up for Adolph.

There is enough variety in their work to keep the job from becoming monotonous. They may be called on at any time to march in a parade, do a little Jew baiting or knock down some fellow's ears for speaking out of his turn. Their main mission in life, however, seemed to be to raise the right arm, extended with the palm of the hand down, and say "Heil Hitler." They not only give this salute, but they see that it is returned. They even had me doing it.

But before condemning the severity of the Hitler rule, it might be well to give thought to the conditions in Germany that brought Hitler into power. It was my privilege while in Germany to visit in several homes of relatives of people I knew in the States. They told me what life in Germany was like just 4 years before.

Unemployment was almost universal. There was profiteering in all the necessities of life, especially in foodstuffs. A wave of currency inflation had swept the country until nearly every city was printing its own money. I was shown bills that were printed only on one side. A bill itself might be for thousands of marks, but it wasn't worth the ink to print both sides. Men who were lucky enough to have a job drew their wages every night and spent the money the same night, because it might not be worth anything the next morning. People who had their savings in mortgages were asked to take this valueless paper in payment. The sale of a few dozen eggs might pay off the mortgage on a house.

AGENTS from Moscow were openly preaching their doctrines, and there were bloody riots in almost every city. Life may be pretty tough in Germany today, but it is so far ahead of what I saw in Russia that I am inclined to give Hitler considerable credit.

And while we are giving him credit, let me mention the "Hitler Youth." It seemed to me that all of Germany was marching, but that the most promising part of the whole parade was the youngsters. Troops of boys and girls from the country march along Unter der Linden, viewing the sights of the Fatherland's capital city. I saw one youngster break rank and fall out to pick up a piece of waste-paper and deposit it in a trash box at the curb. That lad will be a good citizen. Other troops of boys and girls from the city, barelegged and with knapsacks on their backs, throng the railway stations on the way to some outing in the country. The youth of Germany is encouraged to stay out of doors and to build up healthy bodies by exercise.

Since my return home I have read several stories of a food shortage in Germany. While there was strict regulation of food sales in September, there was no apparent shortage. Most of my 10 days in Berlin were spent waiting for money from the States, for I was nearly broke. My eating was mostly in the little bier stubes and hole-in-the-wall cafes that are patronized by the German working man. I usually could get all I wanted to eat, and a glass of beer, for a mark. There was no variety, however, and the meals were all one-dish meals. The cafe that served pigs knuckles and sauerkraut served nothing else; if I wanted goulash I would have to go to some other cafe.

(Continued on Page 25)



The Labor Corps, Germany's CCC, works at building roads, digging drainage ditches and other public work. And no shovel handles are bent by leaning on them.



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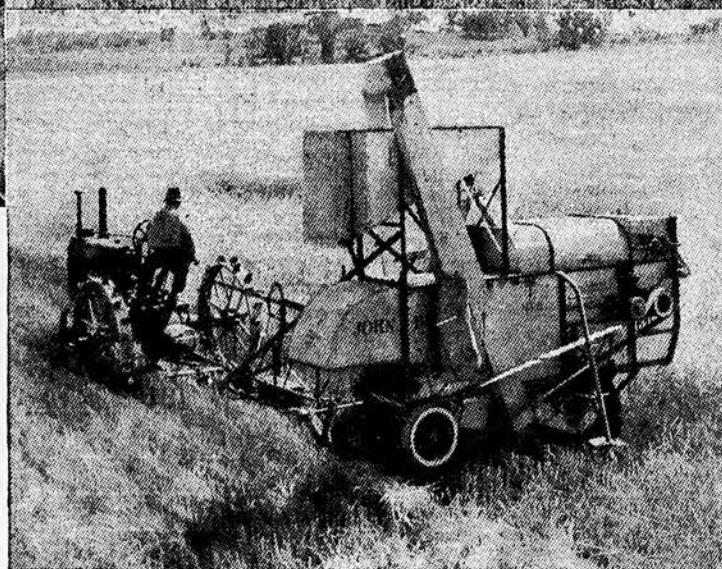
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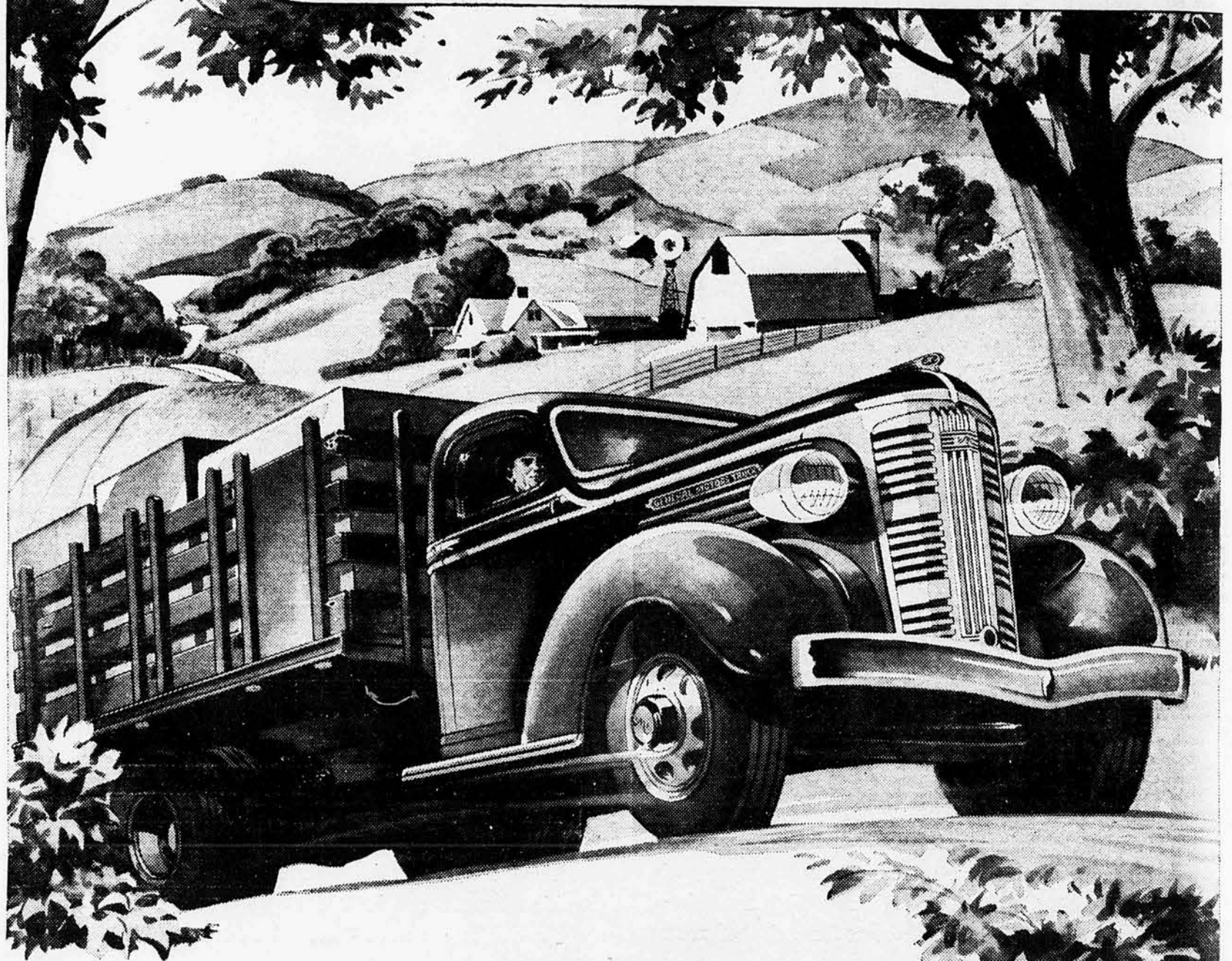
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4:00 a. m.—Sons of Pioneers.  
4:30 a. m.—Alarm Clock Club.  
5:45 a. m.—News.  
6:00 a. m.—Henry and Jerome.  
6:15 a. m.—Edmund Denny.  
6:30 a. m.—Rupf Hatchery.  
6:45 a. m.—Roy Faulkner.  
7:00 a. m.—Uncle Ezra's Hour.  
8:00 a. m.—Gene and Glenn.  
8:15 a. m.—Unity School.  
8:30 a. m.—Roy Faulkner.  
8:45 a. m.—News.  
9:00 a. m.—IGA Program.  
9:15 a. m.—Ma Perkins (except Saturday.)  
10:30 a. m.—Protective Service and Anti-Crime Assn.  
10:40 a. m.—Weather Bureau.\*  
10:45 a. m.—Page's Funfest (M-W-F.)  
10:45 a. m.—Uncle Ezra and Aunt Faye (T-Th-Sat.)  
11:00 a. m.—Monticello Party Line (except Sat.)  
11:15 a. m.—Dinner Hour.  
12:00 noon—H. D. Lee News.  
12:15 p. m.—Markets.  
2:00 p. m.—National Bellas Hess News.  
2:15 p. m.—Jane Baker, the Kansas Home-maker.  
2:30 p. m.—Harris-Goar's Street Reporter.  
2:45 p. m.—Roy Faulkner.  
3:00 p. m.—Musical Program.  
3:15 p. m.—Kansas Roundup.\*  
3:45 p. m.—Organalities—Karl's.  
4:00 p. m.—Henry and Jerome.

7:00 p. m.—Kansas Roundup.  
8:00 p. m.—Lucky Strike Hit Parade.  
8:45 p. m.—Universal Rhythm.

Sunday, May 9-16

8:00 a. m.—Church of the Air.  
8:30 a. m.—Reading the Capital Funnies.  
9:00 a. m.—Organ Moods.  
9:30 a. m.—Major Bowes' Family.  
10:30 a. m.—Salt Lake City Choir and Organ.  
11:00 a. m.—First Methodist Church.  
12:00 noon—Organalities.  
12:30 p. m.—Uncle Ezra's Amateurs.  
1:00 p. m.—The Coleman Family.  
1:30 p. m.—Law Enforcement League.  
1:45 p. m.—Everybody's Music.  
2:00 p. m.—Sunday Serenade.  
2:30 p. m.—Sunday Afternoon Party.  
3:30 p. m.—The People Speak.  
3:45 p. m.—Harmony Hall.  
4:00 p. m.—Old Time Religion Tabernacle.  
4:15 p. m.—News.  
4:30 p. m.—Chevrolet Musical Moments.  
5:00 p. m.—Christian Science.  
5:15 p. m.—Pacific Paradise.  
5:30 p. m.—SENATOR CAPPER.  
5:45 p. m.—News.  
6:00 p. m.—1937 Twin Star Revue.  
6:30 p. m.—Eddie Cantor—Texaco Town.  
7:00 p. m.—Ford Sunday Evening Hour.  
8:00 p. m.—Gillette Community Sing.  
8:30 p. m.—H. D. Lee Coffee Club.  
9:00 p. m.—Musical Interlude.  
9:05 p. m.—Gus Arnheim's orchestra.  
9:30 p. m.—Jay Freeman's orchestra.  
9:45 p. m.—Emahizer's Melodies.  
10:00 p. m.—Franklin News.  
10:15 p. m.—American Legion.  
10:30 p. m.—Joe Reichman's orchestra.

Monday, May 10-May 17

7:45 p. m.—The Crime Patrol (also 8:45-9:45).  
8:00 p. m.—Wayne King's Orchestra.  
8:30 p. m.—Kansas Power and Light Program.

Tuesday, May 11-May 18

6:00 p. m.—Hammerstein's Music Hall.  
6:45 p. m.—McKinney and Kenna—Karl's.  
7:00 p. m.—Watch the Fun Go By.  
7:30 p. m.—Jack Oakie's College.  
8:30 p. m.—Phillips Poly Follies.

Wednesday, May 12-May 19

6:30 p. m.—Laugh with Ken Murray.  
7:00 p. m.—Lily Pons—Chesterfield.  
7:30 p. m.—Palmolive Beauty Box Theater.  
8:15 p. m.—Makers of History.  
8:30 p. m.—Babe Ruth—Sinclair.

Thursday, May 13-May 20

6:45 p. m.—McKinney & Kenna—Karl's.  
7:00 p. m.—Major Bowes' Amateurs.  
8:00 p. m.—Victory Life Orchestra.

Friday, May 14-May 21

6:00 p. m.—Broadway Varieties.  
6:30 p. m.—Hal Kemp's orchestra.  
7:00 p. m.—Hollywood Hotel.  
8:00 p. m.—News Review of the Week.  
8:30 p. m.—Babe Ruth.

### Why Go to School?

The great end of education is to discipline rather than to furnish the mind; to train it to use its own powers, rather than to fill it with the accumulations of others.—Tyron Edwards.

4:15 p. m.—News.  
5:30 p. m.—Alexander Woolcott (T-Th).  
5:30 p. m.—Children's Hour (M-W-F).  
5:45 p. m.—News.  
6:00 p. m.—Ackerman-Brock Norge Program (M-W-Th-Sat.)  
9:00 p. m.—Marling Gossip.  
9:15 p. m.—Kitty Keene, Inc. (except Sat.)  
9:45 p. m.—Emahizer's Melodies.  
10:00 p. m.—Franklin Sponsors the News—Joe Nickell.  
10:15-12—Dance Orchestras.

### Highlights of the Next Two Weeks

Saturday, May 8, May 15

5:00 p. m.—Saturday Night Swing Club.  
5:30 p. m.—Potpourri.  
6:30 p. m.—Chevrolet Musical Moments.

## Modern Trends in Home Living

By RUTH GOODALL

FARM women of today have a lot to be thankful for," was the thought that came to me again and again as I visited the exhibits at Kansas State College Hospitality Days in Manhattan, the end of April and first of May. Each exhibit showed some modern trend in home economics—from the latest educational toys for the children to recent nutrition experiments.

Altho many of us bewail the fact that all farms don't have electric lighting, a glimpse of the 500 B. C. lighting equipment makes the modern gasoline light look bright in comparison. In those days a pinched-in saucer full of oil with a wick in it was the best means of illumination.

I wish all of today's babies could have seen the exhibit showing the clothes their mothers and grandmothers had to wear. They could more

fully appreciate the simple baby dresses of today.

There were many more exhibits showing some "modern trend." Nutrition exhibits showed effects of diet on health. There were clothing, child welfare, and cooking exhibits. There were rooms showing the latest in household equipment and decoration. And after all this, there was a tea—a pleasant "sit-down" affair where we met other visitors and rested our feet.

But the thing I was most impressed with after this visit was the realization that the farm women of Kansas have working for them at the college a staff of scientists who are constantly trying to find something better in the way of home making.

This is the seventh year the division of home economics has held open house for visitors from over the state.

### "I'll Starve Before I'll Fool With a Garden!"

ONCE upon a time, in 1930, a meeting of farm folks was held in a certain large town in Western Kansas. The purpose was to discuss methods whereby farm families in that section could produce a more adequate food supply for their needs.

During the lunch hour before the afternoon session began, a group of farmers discussed the matter of farm gardens among themselves and with the extension horticulturist who was assisting with the meeting.

One farmer, turning to another, said, "Well, Bill, are you going to have a garden this year?"

The man addressed answered, "No, I should say not! I'm a wheat farmer. I'll starve before I fool with a garden."

Three years later many of the same people attended a similar meeting in the same town. Again during lunch hour, in an informal discussion, our friend spoke up saying, "Do you remember what Bill said 3 years ago?" Some of the group recalled the statement referred to, and John continued, "Well, he told me he darn near starved."

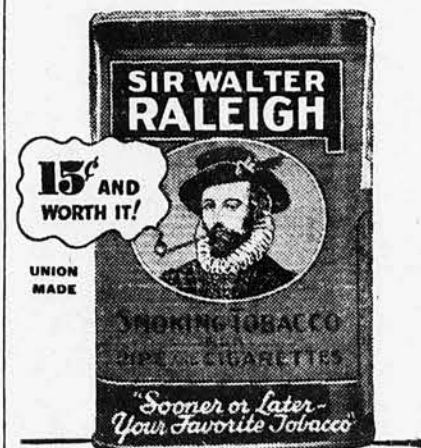
**GIVE THE  
LITTLE  
SUCKER  
A CHANCE!**



...then Si  
switched to the  
brand of  
grand aroma



If you want to live a calf-free existence, go right on smoking that deadly mixture. But isn't it more fun—and more charitable—to clean your pipe regularly, and smoke a brand of tobacco your friends (four-footed or otherwise) will tolerate—yes, even enjoy? Smoke Sir Walter Raleigh. It's a clean-burning, cool-tasting, grand-flavored blend of A-1 Kentucky Burleys. Only 15¢ for two full ounces, and that's not counting the heavy gold foil that keeps it fresh. Try a tin and watch the calves caper.



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# JOYS & GLOOMS



**IF YOU** are one of those who cannot safely drink coffee... 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., and we will cheerfully refund the full purchase price, plus postage! (If you live in Canada, address General Foods,

Ltd., Cobourg, Ont.) Give Postum a fair trial... drink it for the full 30 days!

Postum contains no caffeine. It is simply whole wheat and bran, roasted and slightly sweetened. Postum 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 Dec. 31, 1937.)

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## Saved From Enemy Firing Squad, Now Heads Kansas Cheese Plant

**F**ROM interpreter with the Russian government in 1914, to cheese maker and general plant manager for the Junction City Cheese Co., has been a long and rocky road for Albert Steffen, and quite a change, too. No doubt life in Junction City sometimes seems a trifle unexciting for this man of many experiences.

We want to tell you about this enterprising little Kansas cheese factory, but Albert Steffen's colorful and exciting career must come first. Mr. Steffen is a Swiss. His parents died when he was 7 years old and a bachelor uncle took him to Siberia where he had lands and cattle. Albert helped his uncle on the frontier dairy and later went back to Switzerland and took courses in an agricultural college—becoming a cheese authority.

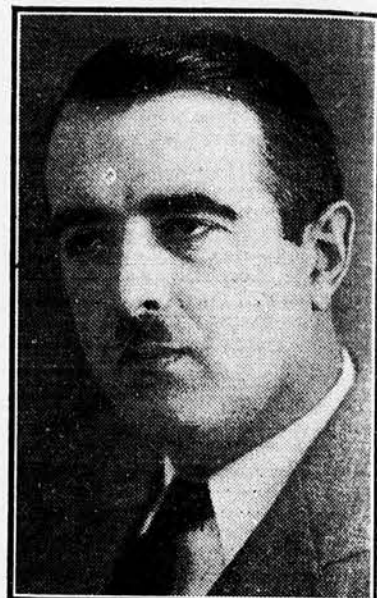
After being trained in the business Swiss people have made famous, Albert Steffen was then employed by the Russian government to establish cheese factories over rural Russia. This was before 1914. When the shot was fired which signalled many nations into the World War, the Russian government made Mr. Steffen an interpreter. After the 1917 revolution he was with the bolshevik army as a captain. With this organization he spent 4 years in constant warfare in the Altai mountains of Siberia.

When the Reds were sent to take Mongolia from China, Captain Steffen, being outraged at the atrocities of the Reds, decided to quit and fled into Manchuria. He was captured and sentenced to execution. When the warrant was read he recognized the name of the baron on whose Balkan estate he had reorganized a cheese factory. He sent word to the baron and his life was saved a few minutes before the fatal volley rang out, sending 22 men, instead of 23 to their doom.

### Resumed Work in Mongolia

Then, in 1921, Mr. Steffen again took up his chosen work of cheese manufacture. For 4 years he saw no white face. He built and organized factories and traveled 30,000 square miles of territory in Mongolia from which the milk supply was drawn. When trouble broke out between Mongolian war lords the factories were closed and Mr. Steffen came to America. That was 10 years ago. He was married in 1933 in Wyoming, and naturalized in 1934 in Junction City.

Farmers who drop into the Junction City Cheese Co. to see how their milk is processed and inform themselves generally on the cheese business, would never guess that the pleasant and courteous cheese maker, Mr. Steffen, has had all these experiences. They can see the cans of milk unloaded from trucks which bring it in as far away as Linn, in Washington county. The output of the cheese factory was about 1,200,000 pounds last year. Farmers are paid on a butterfat content basis, 7 cents above "standard price." If a farmer has a daily average of more than 300 pounds of milk he is paid 9 cents premium. This makes a



August Steffen, now a naturalized American, and successful cheese plant head at Junction City.

profitable way of selling whole milk from the farm.

One farmer who was in the factory had just started sending in milk. He said it netted him more money, but his family missed having all the cream and butter they were used to eating. Skimmilk is not missed so much for stock feed, because the whey is returned to farmers who sell their milk.

Mr. Steffen said the best thing that could be done to improve cheese manufacture in Kansas is to improve the quality of the milk. In all probability, as farmers in a community where cheese is made realize the needs of successful cheese manufacture, they will be willing and eager to do what is necessary to boost the business.

On the other end of the line, American people are not very heavy consumers of cheese as compared with Europeans. There is progress for the cheese industry in developing heavier consumption of cheese in the United States.

### Electrification Pushed

Electrification of the 160,000 farms in Kansas now without power continues with the allotment of Federal funds to two REA projects.

Saline, Ottawa and Dickinson counties have received \$254,651 to start work on 527 miles of line that will bring power to 1,705 farm homes. These farmers have indicated they will spend more than \$500,000 for equipment, radios, refrigerators and plumbing equipment. The project does not blanket the entire territory but the farmers already are enlarging it.

An allocation of \$100,000 also has been made to Brown, Atchison and Nemaha counties. The REA lines in that territory will serve about 925 farms.



As interpreter with the Bolshevik army in Mongolia, August Steffen made an imposing picture in his military uniform and seated on his little northern pony.



## Until Dinner Is Ready—

BY THE EDITORS

**C. C. C.:** President Roosevelt has asked Congress to authorize a permanent Civilian Conservation Corps of 300,000.

**Trees:** About 215 million trees were planted last year by the U. S. Forest Service. This is the greatest reforestation program on record.

**New Agent:** Victor F. Stuewe of Mankato has been elected Ottawa county farm agent to succeed Paul Evans, who has resigned to work with the Soil Conservation Service.

**Soil Saver:** A new idea in soil conservation recently was used by a careful farmer who threw a bucket of water into a whirlwind because he hated to see it carrying his soil away.

**Hardy Cockleburbs:** A florist at Durant, Okla., recently planted a cluster of cockleburbs imbedded in a concrete pavement for 21 years and they sprouted, producing more cockleburbs.

**Five Cents a "Horse":** A 2-horse-power electric motor will grind an average of 20 bushels of shelled corn an hour at a cost of 10 cents for energy on a 5-cent-a-kilowatt-hour electricity rate.

**Pig Insurance:** Vaccination is the cheapest of all types of insurance. Pigs should be vaccinated by the double method 2 weeks before weaning. It usually is best to wean at about 10 weeks old.

**Rural N. Y. A.:** Agricultural and home-making training courses for sons and daughters of tenant and other low-income farm families are to be available soon thru a nation-wide project of the N. Y. A.

**Defenseless:** A heifer calf, the property of Maurice Wheeler, a young Seneca farmer, was born without a tail. Wheeler is going to market the calf as veal as she would never be a success as a milker in fly time.

**Safe With "Baby":** Mrs. Mae Bellinger, of Fort Scott, feels safe even when her husband is out of town, thanks to "Baby." "Baby," who sleeps on the floor beside her bed, is a 200-pound, 17-month-old pet lion.

**Convention:** The National Grange has selected Harrisburg, Pa., as the location for its 71st annual convention to be held in November. It is expected that from 12,000 to 15,000 members will attend the meeting.

**Big Game:** A recent census of bear, deer, elk, moose, mountain sheep and goats, and antelopes in national forests reveals that their numbers have increased 10 per cent, and that 1,523,000 big game animals now have refuge in our parks.

**Bindweed:** This pest is stealing its way over hundreds of acres of Marshall county land, according to reports by the deputy assessors. Some patches cover 160 acres, others are as large as 100 acres, and others run down to small patches.

**Last Milking:** Mrs. Sam Dustan, of Formoso, was milking her cow. The cow dropped dead at her feet! Hale and hearty, she died almost instantly and must have been injured internally, according to Veterinary John Dustan, brother-in-law.

**World Poultry Congress:** W. D. Termohlen, chief of the poultry section of the AAA, has been named as the secretary of the committee arranging the World Poultry Congress which will be held in the United States in 1939. The site of the congress will soon be selected.

**Sweet Sweet Clover:** A Sweet clover that really is "sweet" is under observation by U. S. scientists. The common yellow blooming and white blooming Sweet clovers both contain a bitter substance known as coumarin, and it is believed this substance poisons livestock when they are fed improperly cured hay.

A Candid-Camera Tour of  Standard Oil Customers

# "Everything but the horses runs on Standard Red Crown!"

says Charlie Grimm, popular manager of the Chicago Cubs, in an interview with our Farmer Reporter-Cameraman.



• When he isn't busy managing a National League pennant contender, Charlie Grimm, one of the outstanding baseball men of the country, operates a fine, 320-acre farm near Union, Missouri.

Mr. Grimm has lived on his farm for the last five years. He raises grain, does a little horseback riding, and likes to do small repair jobs around the house; but his real hobby is hunting (although Charlie admits he can't hit anything but baseballs).

Two tractors, two cars, and a truck on Mr. Grimm's farm are all fueled with Standard Red Crown gasoline. "I've never used anything but Standard Oil products, and have always found them more than satisfactory," Mr. Grimm said. "Also, Standard Oil's dependable service is a big advantage, and we all count on it a lot."

## "SAVE AS YOU DRIVE" WITH STANDARD RED CROWN GASOLINE!

Farmers everywhere are discovering that for fueling auto, tractor or truck there's no gasoline like Standard Red Crown! No fuel you can buy gives greater power or more miles per gallon. Enjoy new driving economy this summer, and keep your operation costs down, with Standard Red Crown. It costs you no more to "save as you drive," for Standard Red Crown sells at regular gasoline prices.

## STANDARD OIL COMPANY

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Check your needs now—be ready when "Stan" drives in

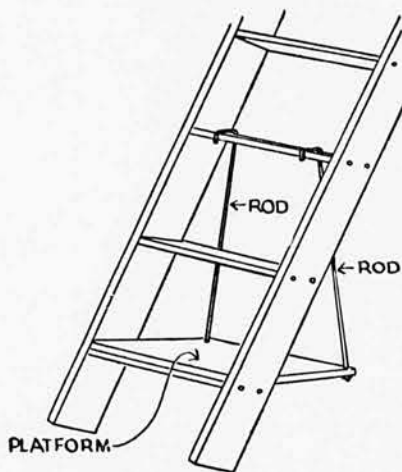
**STANDARD OIL IS ABLE TO GIVE YOU MORE FOR YOUR MONEY...AND DOES!**



# Ideas That Will Come in Handy

BY FARM FOLKS

## Saves Workers' Feet



A small platform about 15 inches long and narrow enough to go between uprights of a ladder saves the worker's feet and leaves him with more freedom to work. Strips should be fastened to each end to prevent splitting. The platform is attached to the ladder by 2

rods, one end of which is hooked to fit over the rungs as shown in the illustration. Each rod should be provided with two taps and washers and be threaded for at least two inches to provide sufficient strength. The cleat at the other end of the platform keeps it from slipping off the ladder.—B. E.

## No Dust Bothers Hens

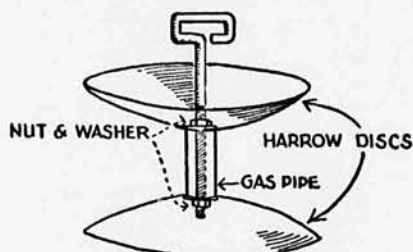
We have found that used motor oil will keep down the dust on the poultry house floors, if they are dirt floors. My hens kept such a dust stirred up all the time, so we took a sprinkler and removed the nozzle and used oil on the dirt floor, first raking off all trash, and then raking well after oil was poured on. Any litter can then be used as bedding. The oil can be gotten at any filling station for almost nothing.—Mrs. W. M. Beal.

## Easy Wire Stretching

For stretching barbed wire that has broken in a fence, here is an idea that comes in handy. It requires nothing but a claw-hammer and a piece of smooth wire. Stretch your broken barbed wire tight. Tie a loop in each end of broken

wire, leaving a gap of about 18 inches, then tie a piece of No. 12 or 14 smooth wire 2 feet long in barbed wire on your left. Put other end thru the barbed wire loop on your right, place the driving part of claw hammer on the right hand loop in front of and between the smooth wire and loop, bring the end of smooth wire over the round end past the handle and fasten between the claws of hammer. Proceed to crank with the handle until wires are tight, then unwind the wire from hammer and tie back in loop on the left.—W. P. Nicholson.

## Tray From Old Disks



A handy tool tray can be made without much trouble by taking two discarded harrow disks, a short piece of gaspipe and a length of half-inch rod. The rod is threaded to about half its length and a nut turned onto it to the extreme end of the thread. This is fol-

## Help for a "Shut-In"

Kansas Farmer has received a letter from Caroline Oehmke, of Linn, Kan., asking for a handy idea. Can any of our readers help her? Her letter reads:

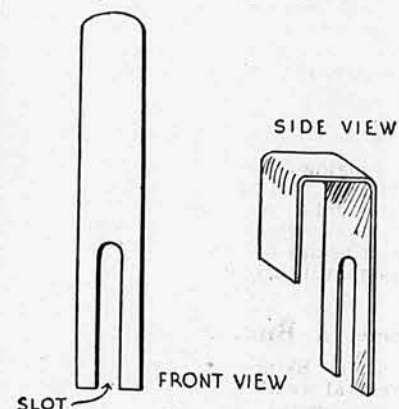
"I would like to have an idea on how to make a clothesline so I could pull it in and out of doors from my porch. I am a wheelchair "shut-in" and I can do most of the household tasks but hanging out clothes."

lowed by a large washer and the disks and gaspipe are put together as shown in the sketch. A nut and washer turned on the end of the rod inside the lower disk holds all parts securely together and the tray is ready for use.—C. H. P.

## A Handy Weed Tool

Instead of digging some of the varieties of weeds that have roots live from year to year and are very tough, use an ice pick or screw driver and run it down into the ground right along the root. Even the toughest ones will pull out and not break off, as so many do under ordinary pulling. This method will not leave a large hole and the weeds do not come up again.—P. L.

## Keeper for Coupling Pin



To use, push slotted part down astraddle of pin and between pump rod and cross-head on jack.

Where a pump jack is used on an iron pump, the jar often will cause the coupling pin to work out and fall. So I devised the sheet iron holder to prevent the pin working out.

A piece of sheet metal 1½ inches wide and 8 inches long, is cut from an old auto hood. Starting at one end cut a slot 2½ inches long and break out the tongue of metal. Make this slot wide enough to push down over the coupling pin. About an inch above the slot, bend the iron at right angles. About ¾-inch from this bend, the rest of the strip is bent down at right angles over the head of the coupling pin. Trim off the surplus which hangs below the pin. The drawing will make it easy to make.—R. W. Taylor.

## Easy to Handle Wire

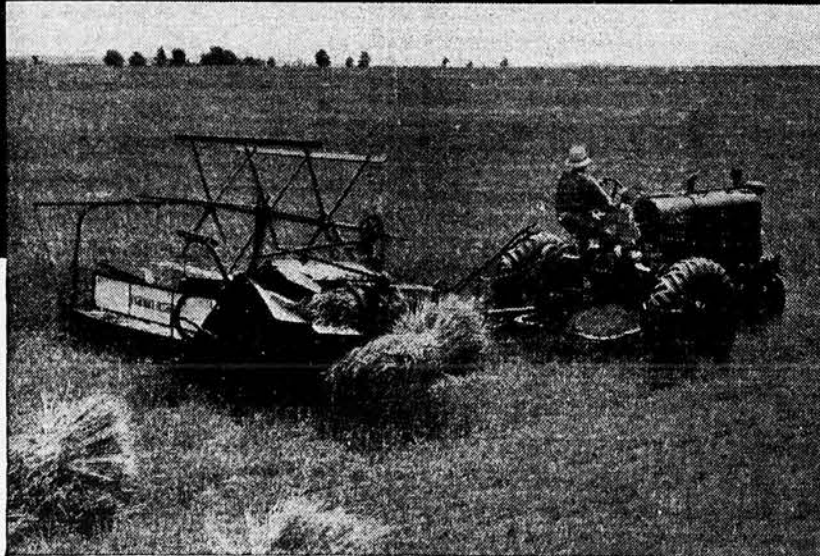
An easy method of rolling up or unrolling barbed wire, is to make a reel from old buggy wheel tires. These are tied together by 6 cross pieces which are made of the same material and are 12 inches long. These cross pieces are drilled at the ends and riveted to the tires with quarter-inch rivets. The wire is taken up by fastening one end to the reel and rolling it along on top of the wire. The tires are cut and lapped together and are held by small bolts. When the reel is full, these bolts are removed and the reel is contracted and lifted out of the wire. The reel is replaced when the wire is to be discharged.—C. T.

## The Handy Clothespin

When you do not have postage stamps on hand, just attach the required coins to your letters with a spring clothespin, put the mailbox flag up and go about your work. No time is lost waiting for the mail carrier. If you do not have even change or want some extras, a memorandum with "balance in post cards," or "balance in stamps," will do the trick. This saves the carrier's time and yours.—Mrs. Bennet Gigstad.

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# MCCORMICK-DEERING

## BINDERS • TWINE



# Our Busy Neighbors

ALL OVER KANSAS

## Gets Good Clover Stand

Bert Merewether, Yates Center, in Woodson county, has shown that Red clover can be grown successfully in that section. He seeded 12 acres last year and this spring has an excellent stand. The clover was seeded early on a well-prepared seedbed. Mr. Merewether believes Red clover is one of the best soil improving crops he can grow.

## Loss in Cattle Herds

Several Panhandle farmers near Liberal have reported cattle losses from an undiagnosed disease. Deaths seem to be more numerous just after the cattle are turned out to spring pasture. Some herdsmen believe it is cocklebur poisoning.

## Invents New Cultivator

C. P. Smith, of Tribune, has invented a big cultivator, known as the Eureka cultivator, to aid in fighting wind erosion. The machine covers the fine top silt, throws up clods which are broken up. Mr. Smith has made several of the machines which are proving successful. As the machine goes thru the blow piles it brings the clods from below and makes all the preparations necessary for wheat ground.

## Wild Plum Prospects Good

Judging from the snowy white plum thickets this spring, Harper county farm folks will have plenty of wild plum jelly and butter next winter. The fruit begins to ripen about July 4, and lasts until early fall.

## Sees a Bumper Crop

E. O. Skinner, Columbus, dean of Federal weather observers in Kansas, has predicted that 1937 will be one of the most productive growing seasons in many years. An observer at Columbus for 45 years, Mr. Skinner recalls that 1881, one of the driest years on record, was followed by a season of bumper crops. He says that much nitrogen is stored in the soil during drouth years and released under conditions such as prevail this year.

## Sponsors 4-H Crop Projects

One of the sponsors of a 4-H sorghum club in Miami county is D. B. Allison, well-known farmer, who suggested the idea because he thought it has several advantages. From experience with corn clubs 20 years ago, Mr. Allison found that growers of good seed of newer varieties will not only make \$20 to \$30 clear profit, but will also be able to supply their neighbors with 25 or 30 bushels of good seed. Mr. Allison believes crop production is less hazardous than livestock for club members.

## Death to Prairie Dogs!

How soon will a prairie dog die after eating poisoned oats? This question was answered by Sam Cooper, of Russell county. Mr. Cooper said he watched a dog come out of its runway and go out and eat some of the bait he had scattered in his pasture. He stated that in less than 10 minutes after the oats had been eaten he saw the dog fall over on its side and die. Mr. Cooper has been getting excellent kills thru the use of poisoned oats.

## First to Spread Limestone

One of the pioneers in good soil practices in Neosho county is S. E. McMillen. He was the first farmer in the county to grind and apply limestone to the soil. The first he used was put on at the rate of 2½ tons to the acre. Now he often uses only 300 pounds to the acre, drilled with alfalfa or Sweet clover. Phosphate fertilizer is used on alfalfa too, while inoculation always is practiced. Mr. McMillen believes a poor job of inoculation caused a field of Sweet clover to die on his farm last

year after it apparently had made a good start. When he plows up a field of Sweet clover and seeds it to alfalfa right away, he inoculates anyway because it seems to give better results.

The ground is worked down real well for seeding, then fertilizer is drilled, and followed by hand-broadcast alfalfa. This practice tends to place the alfalfa plants in rows as the harrow which is used to cover the seed seems to roll it downward toward the bottom of the drill rows left when fertilizer is applied.

Manure is valued highly by Mr. McMillen and his son, and every bit of it is hauled. It is part of their program to eliminate and keep free of Bang's disease to keep manure well cleaned out of the cattle sheds and lots.

## A Good and a Bad Weed

Sheep sorrel dock can be killed out by mulching with straw or old hay, Charles Hamon, Valley Falls, has found. This was suggested to him several years ago, so he hauled some old prairie hay from around the stacks onto the patches of dock in his field. When it was taken off a year or so later the weed was dead.

A plant growing in Mr. Hamon's pasture, which often is considered a weed, is little barley or June grass. This may be killed out by close mowing to keep it from going to seed, but Mr. Hamon said he rather likes it as a pasture, except from June until fall, when it dries up brown, as every farmer knows. Drouth will not kill lit-

## Testing Wheat Pasture

Value of wheat when used as pasture and not harvested for grain is being tested by M. T. Carrico, Beloit. Seventy-seven ewes with their lambs were weighed April 18, and turned into a 13-acre field of wheat. The grain made will be credited to the pasture to determine its value. Prospects for high-priced wheat and high-priced lambs are both good. The field being pastured will qualify for diversion payment under the soil conservation program.

tle barley. It makes seed and comes on again in the fall. Mr. Hamon has wintered his horses for several winters on little else than little barley pasture. It stays green most of the time and the horses do well, coming up to the barn only for grain.



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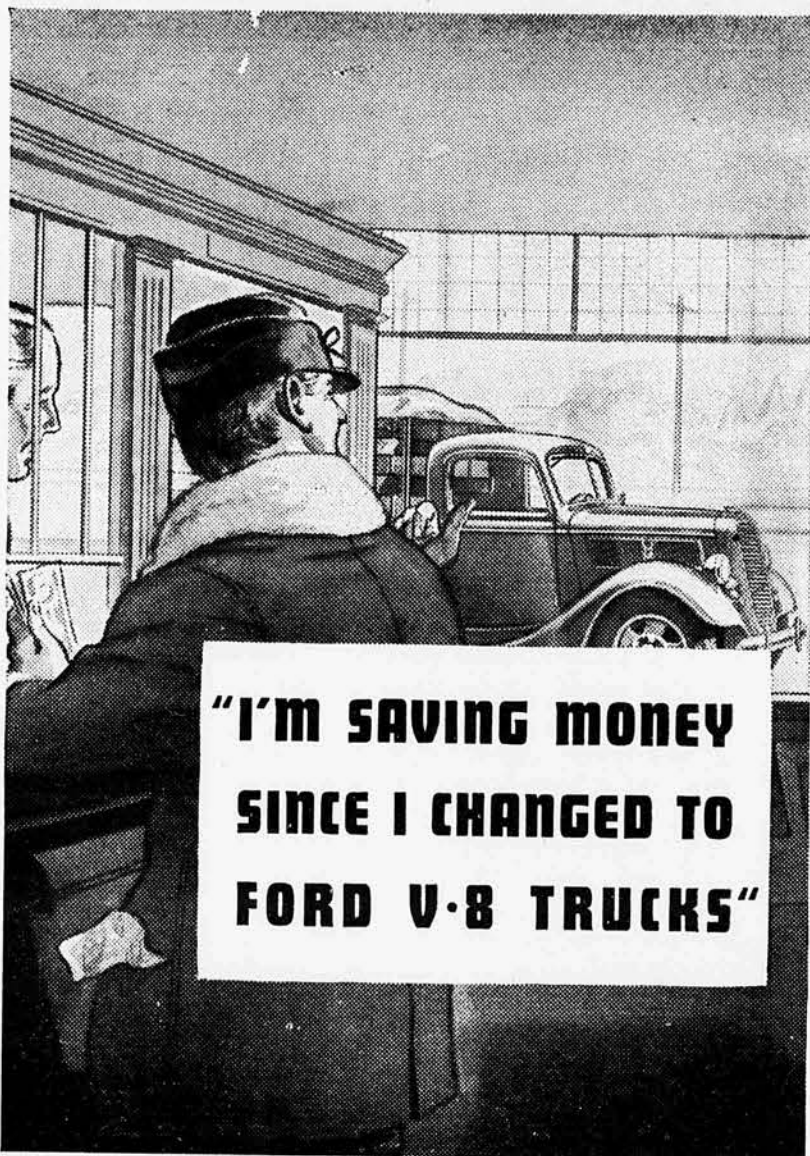
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# FORD V-8 TRUCKS AND COMMERCIAL CARS

## Main Farm Measures May Survive President's Economy Proposals

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

**A** CONGRESS which 4 years ago "went economic" now faces the job of "going economical." And gosh, how it hates the job!

Congress went economic 4 years ago by giving President Franklin D. Roosevelt a blank check and a blanket order to whatever he thought best to cure the depression and plan for the future.

Congress this year very likely will wind up by passing the job of economizing government expenditures to the White House. The plan now under consideration is to go ahead and pass the appropriation bills, then give the President power to reduce the total by 15 per cent in whatever way he deems best.

Probably that is the most feasible, perhaps the only practical way, out of the governmental spending morass.

Trouble with Congress is that it is in favor of reducing all appropriations, but will not vote to reduce any particular appropriation. The urge to appropriate is matched only by the determination not to increase taxes—leading to the position of the ideal statesman from the home district viewpoint; the one who votes for all appropriation and against all tax measures. The statesman balances few budgets.

Under the plan proposed, said to have the tacit approval of President Roosevelt, no congressman from a farm district will have to vote against the half billion dollar appropriation for the Soil Conservation Program. If the President chooses to cut it by 75 million dollars—that is his lookout. He is not supposed to run for re-election anyway, while the members of Congress, almost without exception, feel it is their duty to do so. Ditto on work relief; flood control; and the regular supply bills.

Washington papers are leading the pack in the cry for reduced appropriations and a balanced budget. But their editors will become statesmen, same as Congressmen, if any attempted economy should include a slash in government payrolls, or a slowing down of the Washington public building program.

This leads to the point that any real reductions in expenditures are going to include some drastic slashes in the national farm program. There is a sizeable group from the Northeast industrial section that would like to do all the economizing on farm relief expenditures, which last year ran right around 1 billion dollars for all purposes.

### Conservation Program Survives

However, the White House so far has turned down all such suggestions. Looks as if the Soil Conservation Program will not be interfered with noticeably this year. The 5 million dollars for farmers in the dust bowl who will list and plant and leave the sorghum stalks in the ground seems to be going thru. Rehabilitation loans to farmers in the drought area will be continued, to the extent of some 75 million dollars next fiscal year. Secretary Wallace will have a reasonable sum—what he thinks necessary—to fight grasshoppers if and when these appear. And the usual activities of the Department of Agriculture will continue as usual.

But the pretentious billion dollar land-buying scheme to combat farm tenancy is out. There might be a small amount for study; doubtful whether any appropriation for land purchase or loans for purchase.

Two weeks ago it seemed virtually certain that the wheat crop insurance bill, passed without serious opposition in the Senate, would slide thru the House the same way. But this measure calls for an appropriation of 100 million dollars to get it started. It will benefit only the Wheat Belt. Now it has gone to a subcommittee of the House committee on agriculture, on which there is not a Wheat Belt member, nor one known to favor the bill. Unless it is to be used later as trading stock to help cotton, this measure looks to be safely on ice for the session.

If there were a grassroots demand for the measure from the Wheat Belt, the measure probably could be taken off refrigeration and passed, at that. But it is not certain that the Wheat Belt is much excited over the proposal. Prospects right now are for a good crop at good prices. Counties with poorest prospects are those in which wheat growers would pay 2 to 2½ bushels of wheat premium for the guarantee of a 5-bushel crop. Crop insurance may come to life later in the session, but it is rather moribund at present.

### Farm Ponds Are Favored

White House still believes in farm ponds, small stream reservoirs, and lots of them. But these are to be constructed from work relief funds, rather than from any moneys directly appropriated for agricultural purposes.

The 50 million dollars already voted for emergency feed and seed loans is being put out steadily. No economy cut in that direction.

### Two Groups to Oppose Cuts

Outside the departmental pressure to continue operating at full speed ahead and without reductions in either personnel or wages, the 2 great pressure groups which the President will face immediately appear to be:

(1) Governors and mayors and WPA "workers" for continuation of the WPA at higher monthly allowances and with larger rolls.

(2) Flood control groups, which are making a mighty drive for federal funds.

Local officials want 2½ billion dollars federal funds for unemployment relief next fiscal year.

The President is holding firm for 1½ million dollars. There is a sizeable group in Congress who want to cut the total to 1 million dollars.

President probably will win, perhaps with power to slash 15 per cent—if he wants to use that power.

The President so far is standing pat on his budget recommendation of 30 million dollars of federal funds for flood control projects. At his press conference just before leaving for the Gulf and Texas points, he reiterated the 30 million dollar limit. Said he is requiring the army engineers to indicate which 30 million dollars of the 800 million dollars of projects recommended shall be taken care of first.

### Trees as a Farm Crop

Trees as a regular farm crop on most farms is the objective of the Norris bill, passed by the Senate last week, and assured of House passage. The measure carries an appropriation of 2½ million dollars for federal, state and farmer co-operation in inducing every farmer to cultivate a woodlot. The bill has budget approval, which makes it an administration measure. Under its provisions seedlings could be supplied to farmers who will follow forestry service plans. Ornamental shrubs and trees are not included in the plan. Farmers merely will be urged to grow trees for profit thru sale as lumber.

### May Compromise on Court

There are some indications that a compromise court bill may come out of the Senate judiciary committee before the President returns from his southern trip. Odds slightly favor a bill adding 2 justices to the present membership of 9. Possible also is a failure to agree in committee, and putting the original 6 additional justices proposal on the floor of the Senate without recommendation.

### Farm Bill Prospects Dim

Prospects for the "general farm bill," including Secretary Wallace's ever-normal granary program, are rather dim at present. The Farm Belt, with good crops and good prices in prospect, shows little interest in any program calling for crop control. And farm leaders are at outs over what the program should be.



## Resodded Buffalo Beats Virgin Sod on Gove County Farm

SOMETIMES there are smiles and shaking heads when groups of farmers hear tales of successful resodding of buffalo grass, the practice explained by Kansas Farmer in October, 1934. But there is proof on one Gove county farm—outstanding proof—which you may believe when you read about it, or may go and see first hand. It is the work of J. R. Mohler, Quinter, which he explains with full particulars so that no one may misunderstand, nor expect too much of buffalo grass resodding.

In 1906, a field of sod was broken out on the Mohler farm, just southwest of Quinter. Eight years later Mr. Mohler decided he needed more grassland. He had read about resodding, so he thought he would try it. He used a one-row lister with a rolling coultter in front to split the sod. After throwing out a long furrow he picked up the sod pieces and laid them in a wagon. Then he listed furrows every 10 to 14 feet in a strip of 20 acres of farm land lying right alongside his pasture. Obtaining the aid of Mrs. Mohler, who drove the team and wagon, Mr. Mohler walked behind the wagon and laid a piece of sod several inches square in the furrows every 8 to 10 feet. As he did this he kicked some loose earth around the sod pieces and packed them a little with his feet.

By 1920, this 20 acres of land was well covered with buffalo grass. Right here Mr. Mohler calls attention to a fact which clinches the authenticity of his story, even for those who aren't aware of his natural truthfulness. The

years 1914-20 were reasonably moist and conditions were good for the grass to gain a foothold. However, the field was grazed right along with the undisturbed sod in the original pasture.

A striking story can be seen in Mr. Mohler's pasture today. The old fence line between the virgin sod and the resodded pasture is plainly visible. On the resodded land the furrows in which the sod pieces were laid can still be seen. But the most surprising part is yet to come. Altho these two tracts have been grazed within one fence since 1914, the resodded land showed up green in April this year, with a thick, healthy, clean buffalo sod. Across the mark of the fence row now 23 years old, is the virgin sod. It is thin, weedy, and was not even showing green except in small spots where rain water and snow had been caught.

Mr. Mohler isn't sure why this resodded land is the best. He thinks perhaps the fact that the soil was opened up may have something to do with it. This idea is born out in the work now being done on so many Kansas pastures with contour furrowing. The sod seems to come on with renewed vigor wherever the soil is stirred. Mr. Mohler plans to furrow some of the hill-sides in his virgin sod. Another piece of rolling farm land is to be resodded this year if conditions seem favorable.

Last year the Mohler front yard was resodded, where bluegrass was a little too far from the 100-foot well and windmill. The sod pieces were laid every 2 feet each way. They were watered some and are doing well.

## Sheepmen, Too, Talk Irrigation

IT IS NOTICEABLE that more farmers are thinking of irrigation. At a recent lamb feeders' meeting at Garden City, there seemed to be as much talk of irrigation as of lamb feeding. These farmers were not all Arkansas Valley men either, they came from all over the western half of Kansas.

E. L. Fuller, a dairyman near Wichita, has been able to measure the value of irrigation in dollars and cents. All last summer he watered feed and pasture crops on a 20-acre tract. He estimates the water paid him \$6 a day or \$180 a month. It was the fourth year Mr. Fuller had flooded this tract to raise green feed for his herd of 22 dairy cattle.

The original cost of making and equipping a 38-foot well with a used centrifugal pump was \$250 in this case. It has paid for itself many times. It throws 800 gallons a minute and generally is operated for 15 hours, once every 10 days or 2 weeks. This water is all thrown on 4 acres—a total of 620,000 gallons. Only this acreage is watered at one time, then the water is taken to the next tract. This allows each tract to dry out and produce feed for pasturing just before it is irrigated again.

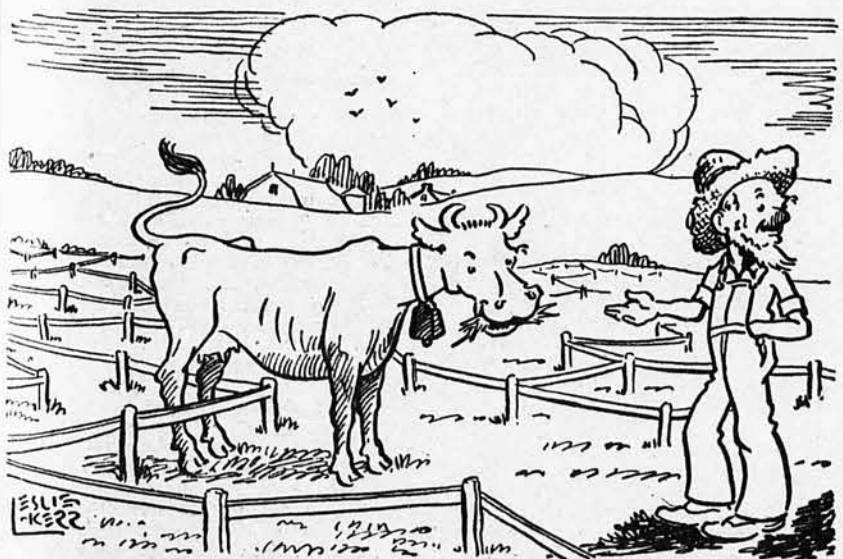
By growing barley and other cereal grain pastures, and Sudan grass, Mr. Fuller provides pasture for his cows

from March until December. He figures on feeding dry roughage only about 3 month of each year.

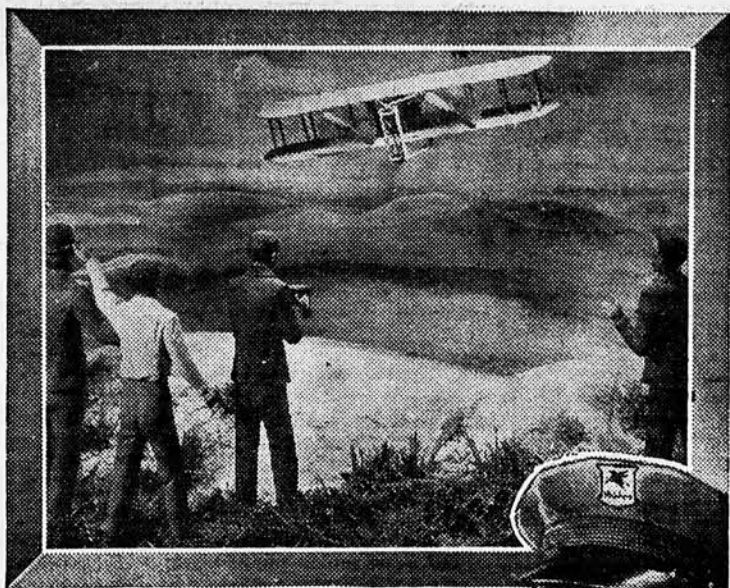
W. G. Nicholson, Great Bend, who is a farming partner of Frank Woods, well-known Kansas stockman, has installed a 60-foot irrigation well on Walnut creek. It is equipped with a special high grade casing, made for gravel formations in which ordinary casing will not allow rapid enough flow of water. There are 37 feet of water-bearing gravel in the Nicholson well. Mr. Nicholson said there are 400 acres on the Woods farm which may be irrigated, but additional wells would be necessary to place this area under irrigation. A rotation of wheat, alfalfa and sorghum crops will be the principal crops raised. There are many acres lying along the Walnut creek watershed of Barton and Rush counties which are admirably suited to irrigation, because the land requires little leveling and water is quite shallow.

### Honored as Dairy Champions

Clayton David, of North Topeka, has been selected by the Holstein-Friesian Association of America as the Kansas state champion 4-H Holstein Club boy for 1936. La Resta Duston, of Athol, is the champion 4-H Club girl. Clayton also was selected a champion in 1934.



Kansas Farmer for May 8, 1937



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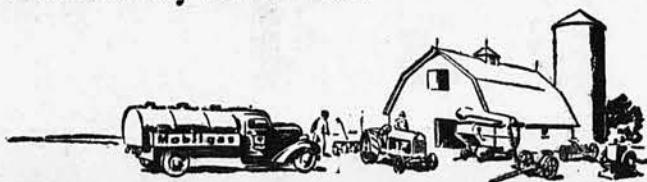
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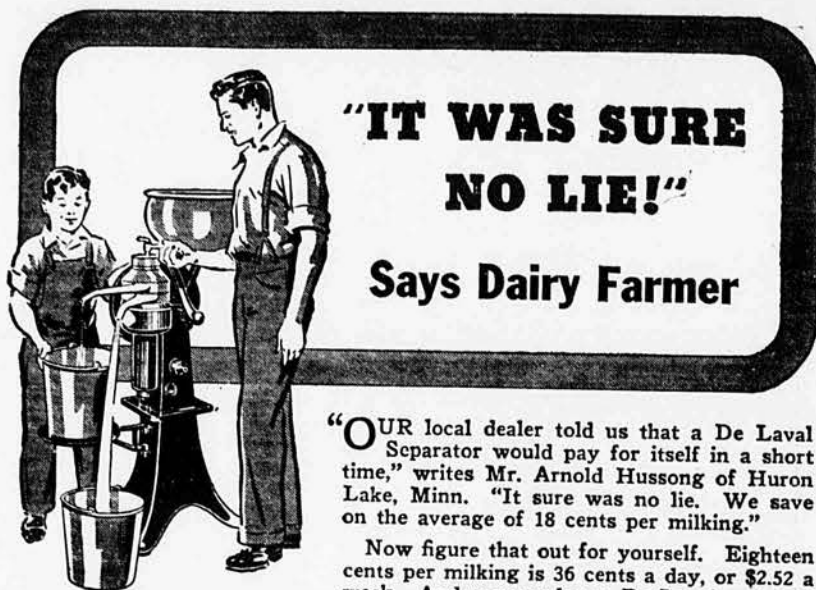
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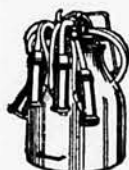
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## From a Marketing Viewpoint

By HOMER J. HENNEY

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

We have some dry cows, cows that won't calve until September, old cows with calves at side, and young cows with calves at side. During the next year we wish to sell off the cow herd. When would you advise selling?—T. F. C., St. Joseph, Mo.

About 9 chances out of 10 that you will net the most by selling at different times than if you sold all now or all next fall or all next spring. The fattest half of the dry cows should be sold now. The fat heifer and cow market is high relative to the stocker market. The other half of the dry cows should be sold before July 1, probably early June. Write in again on June 1. The old cows with calves at side should be sold now with their calves as they are higher relatively than young cows and will have to sell as canners after a big calf is weaned this fall. Whether to sell the young cows this fall at weaning time or next spring depends on the time of the peak of the fat cattle market this summer. If it comes in August or September then one probably should carry them to March of 1938. Write in about August 1, to get information on the young cows.

I doubled my brood sow number for fall farrowing. The way things have changed shall I start finishing now as butcher hogs or go ahead as I planned to sell as bred gilts in August?—W. L. B., Whitewater, Kan.

About 8 chances out of 10 that you started the right marketing program with your gilts when you began, and about 8 chances out of 10 that if continued will net you more than finishing them as butcher hogs. By July or August feed grain should be cheaper. If it is, farmers will hold back more than the usual number of hogs for feeding and breeding purposes. Your program should result in a greater net return to you than if you were now buying high priced feed to finish out as butcher hogs.

I have some calves weighing 600 pounds that have been on full feed for 4 months. Will it pay to continue feed-

ing, or should I sell?—R. H. P., Clay Center, Kan.

About 9 chances out of 10 that choice quality fed calves under 700 pounds will sell high enough in June, July, or August to more than pay the high cost of feed up to that time. Heavy cattle are relatively higher than light cattle. A scarcity of choice finished beef is expected for 2 or 3 months yet. The year's peak is expected sometime before September. If you continue feeding, write in each 30 days to see whether the situation is changing materially.

I have some choice yearling heifers on wheat pasture. They can stay there until June 1. Would you advise selling then or full feeding 60 days?—R. P., Coldwater, Kan.

About 7 chances out of 10 that cattle with that fleshing would pay the feed bill but grain costs in the East are less than in Kansas. Commercial finishers are paying fairly high prices for finishing steers and heifers. Everything considered, it might be just as well to sell out when the wheat pasture is grazed off. Sometime before September and probably by July, prices on prime cattle should start downward, and this decline should pull down prices on the half-fat choice-quality steers and heifers.

#### Culls Buy Better Sire

The average breeder can afford to cull his herd and use the proceeds from the sale of cull animals to purchase a better herd sire. There is wisdom in such a course. Feeding tests have shown that quality animals, animals of good breeding, return more than enough margin above their feed costs to make them more profitable than poor stock, altho their first cost may be higher. And the importance of a good sire in the production of quality animals cannot be over-estimated. Purebreds pay.

For the future welfare of Kansas, it is imperative that breeders be encouraged to maintain, and if possible, improve, their herds. Business men who aid in making such herd maintenance possible are safeguarding the prosperity of their towns.

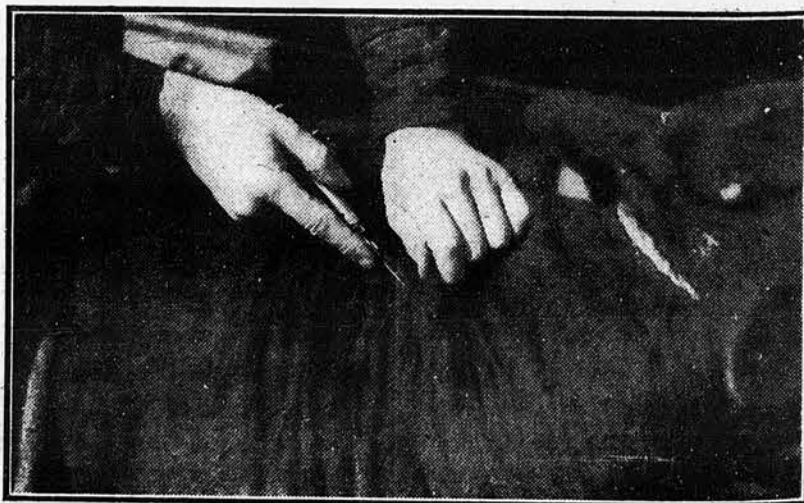
## Protect Calves With Vaccine

VACCINATION for blackleg will protect calves from one of that most deadly of cattle diseases. This practice has reduced losses to the lowest point since the disease appeared and is considered 100 per cent effective. One dose of good vaccine will immunize a calf for life, the cost being only a few cents for every calf when the work is done by the owner.

Spring and fall are the customary times for vaccination, since the disease is most prevalent then. However, it may appear any time, particularly with changes in the feed or handling of calves. Moving from feedlot to pasture or weaning calves, brings a change in the animal's physical condition which makes it susceptible to blackleg.

Now, as the cattle move out to pasture is a good time to vaccinate all calves under a year old.

Next fall, small calves which were missed this spring will need to be treated. In the fall, too, comes greater danger from shipping fever losses. This disease also is well known as hemorrhagic septicemia. It is a very contagious disease which occurs in varying forms, ranging from digestive disturbance to colds or pneumonia. It is very deadly in its virulent form. A few cents spent for vaccination of calves will protect them. Vaccination of calves bought for shipping will prevent or check shipping fever. The safest time to vaccinate is before the cattle are moved, if possible.



With his own syringe a farmer can vaccinate calves for blackleg and hemorrhagic septicemia at small cost. Cleanliness is important, but no expensive equipment is necessary.



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BIG CAPACITY DESIGN — the record of the 12-foot HARVESTOR, as the most popular combine through many tough harvests under many varying crops and conditions is outstanding proof that it leads the field in every way — especially when it comes to saving, cleaning, and handling all crops successfully. Both the 6 and 8-foot HARVESTORS assure the same satisfactory work — experience proves it, and in direct comparison with the 12-foot HARVESTOR, the Junior models both have at least the capacity of a 9-foot cut machine — an extra margin of safety to assure the best possible job for all combining conditions and crops, — that is, the LENGTH of the separating and cleaning mechanism of the 12, 8 and 6-foot HARVESTORS is the same.

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Omaha, Nebraska      Dodge City, Kansas      Wichita, Kansas

I am interested in buying a HARVESTOR this year — no obligation.

I would like facts on sizes checked. I farm ..... acres.

☐ HARVESTOR 6-foot    ☐ HARVESTOR 8-foot    ☐ HARVESTOR 12-foot

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# MINNEAPOLIS - MOLINE

## POWER IMPLEMENT COMPANY

MINNEAPOLIS MINNESOTA



# 19 PRESCRIBED INGREDIENTS

that will insure  
**EGGS IN  
5 MONTHS**



Your egg profits are largely determined by how early you get your chicks into production — so that you'll be getting eggs when prices are at their peak!

VICTOR CHICK PELLETS will invariably insure eggs in 5 months—and you'll get more eggs and better quality eggs. That's because VICTOR CHICK PELLETS contain the 19 ingredients vital to chick health, growth and vitality.

Decide now to feed your chicks the VICTOR way this year! It will make a big difference in your poultry and egg profits!



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

**Free!**

You can get a 1 Gallon Chick Fount or Chick Pellet Hopper or Chick Mash Hopper with Victor Chick Pellets or Victor Chick Mash absolutely FREE. Ask your Dealer.

**MAIL THIS COUPON**

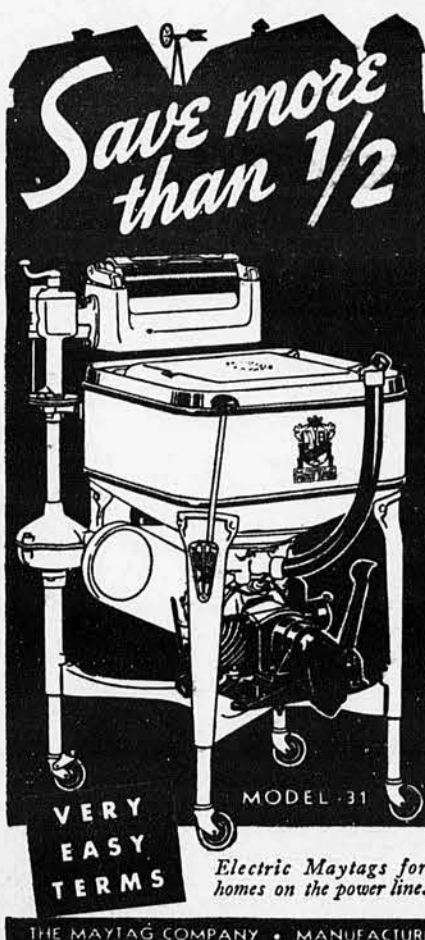
THE CRETE MILLS, Crete, Nebr.  
Please send us your new booklet "EGGS", without obligation.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_

**The CRETE MILLS CRETE, NEBRASKA**



If you do not know the name of the VICTOR Dealer in your locality—write us.



**VERY EASY TERMS**

Electric Maytags for homes on the power line.

**Save more than 1/2 your washday time with a Maytag**

Many times faster than washing by hand, much faster than an ordinary washer, the Maytag saves all the hard work and hours of time in doing the farm washing. The Maytag, with square, one-piece, cast-aluminum tub, is the most famous of all farm washers. It actually holds more clothes, and washes them cleaner in less time. Let a Maytag dealer demonstrate the many features that make Maytag the favorite farm washer. If the Maytag doesn't sell itself, don't keep it.



HOMES WITH OR WITHOUT ELECTRICITY may enjoy Maytag washings. The gasoline Multi-Motor provides smooth, dependable power that a woman can operate.

F-6-37

THE MAYTAG COMPANY • MANUFACTURERS • FOUNDED 1893 • NEWTON, IOWA

## Mother's Day Reminds Us of Ever Decreasing Size of Families

By CHARLES H. LERRIGO, M. D.

MOTHER'S DAY is Sunday, May 9. That will be one day when Mother will be Queen of the May. Someone will get dinner for her and the idea that she may put her hands into dishwater will be set sternly aside—for at least 24 hours. There is great merit in the sentiment that prompts America to give recognition to mothers and the spirit carries on thruout the year. Already the mother's lot is an easier one. She lives to be 61 instead of dying at an average age of 45 years as a few generations ago. She may vote, own property, hold office, and enjoy many privileges quite beyond the wildest aspirations of our foremothers.



Dr. Lerrigo

One may hope that in putting a premium upon motherhood we shall check the alarming decline in our state and national birthrate which already has progressed so far in some communities that only 2 babies are born where formerly were 3. Speaking on this subject Sir Henry Brackenbury, M. D., a noted public health authority of Great Britain, said recently: "At present the facts show that even in order to maintain a stationary level of population each married woman should have at least 3 children. Since perhaps 1 marriage in 6 is sterile, this means in many families there should be 4 or 5 children."

Physicians who have given much thought to this problem of the declining birth rate look back upon the large families of the preceding centuries—families of 12 to 14 children, half of whom died before maturity—and think that our efforts to correct this evil

have led to "over correction." The term "large family" now is applied to 4 or 5 children which, instead, might well be the average family.

Our protest has gone too far. Larger families are desirable. Happily we are in position to say much of encouragement to the modern mother. The physical process of motherhood is infinitely easier. I seldom use the term "painless childbirth" for it is always a misnomer. My own experience with mothers is that they neither ask nor expect to pass thru this tremendous experience in dull stupor. Yet any intelligent woman, aided by an intelligent physician, now may be assured that she will bear her baby without suffering the dreary agony of years gone by.

Babies should be planned. Their advent should be planned as to time. Financial details should be planned—there is no "trade-in" allowance on babies. The physician should be carefully chosen and consulted at the first symptom of pregnancy so that he may advise for a healthy and happy waiting period. Planned babies will make happy mothers for future Mothers' Days.

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.

### May Be Heart Lesion

I wish to know what you think is the matter with me. I am 68 years old and have had catarrh most all my life and have a cough. My ankles swell, I am weak and have piles. Do piles cause other diseases?—E. D. N.

Considering all of your symptoms I venture the opinion that you have some heart lesion, probably a leak of the mitral valve. This would produce the cough, the catarrh, the swollen ankles and other troubles. Piles should not go untreated. They induce constipation and if there is any tendency to cancer they may provide a starting point for it.

### Stay-at-Home Explorers Eager for New Lands

THE glamour and excitement of exploring new lands, even by reading in the comfort of an easy chair, seems to find favor with our readers. Letters have been coming to the Kansas Farmer office telling us that Mr. Vance's articles have been enjoyed and that his articles on South America would be appreciated. If you, too, have enjoyed the travel articles and wish to read of South America, please let us know. We can print only a few of the many letters, but we appreciate all of them very much.

We enjoy Mr. Vance's letters very much and hope they will continue to be published.—Tom Brown, Lebanon, Kan.

I have read the Vance articles with much pleasure and interest. Think the South American articles will be appreciated.—Guy Wolcott, Linwood, Kan.

I have read every one of Vance's articles and enjoyed to the full his fine insight into these countries. Here's hoping you continue with Vance around the world.—J. Frank Stevens, Humboldt, Kan.

We enjoyed the articles on Russia and foreign lands just simply immensely. I would take Kansas Farmer for those alone. The first thing we read is the foreign land article.—J. J. Decker, Galva, Kan.

We like the articles by Mr. Vance very much. We think his articles from Europe are fair and are presented from the farmer's viewpoint. Please continue them.—Elmer G. Engle, Abilene, Kan.

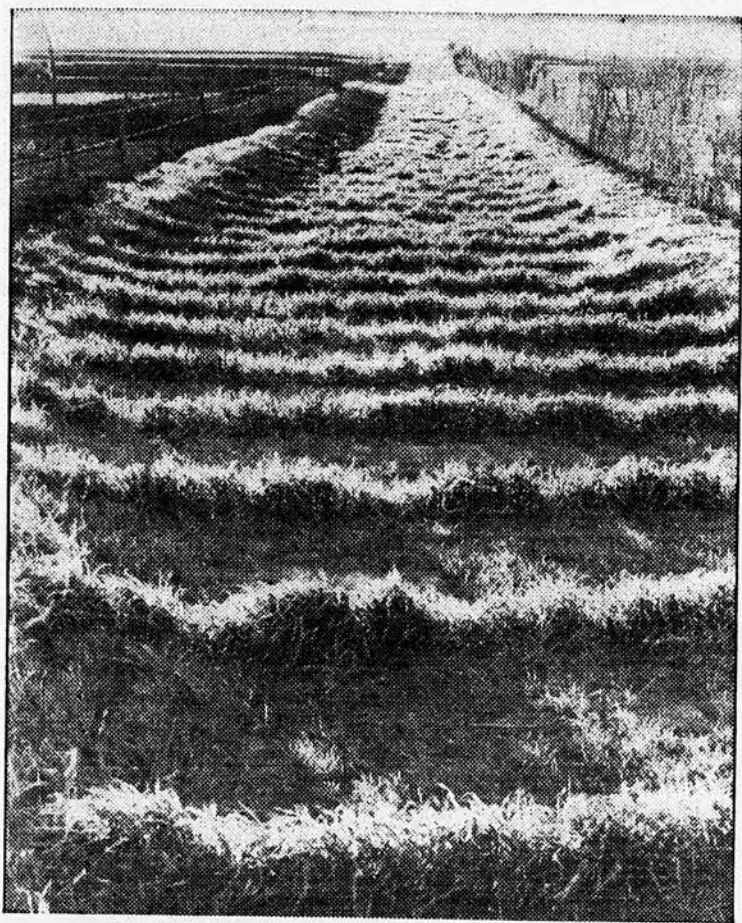
Sure, we liked Mr. Vance's articles on his trip in Russia and would like to hear from South America. We don't care to go to Russia to live, and don't have the least idea we will want to live in South America. But we would love to hear Mr. Vance's idea.—J. F. Bryan, Urbana, Kan.

I have truly enjoyed your articles by Mr. Vance. I think they have helped in a clearer understanding of the countries and the conditions he has written about. I hope you will continue his articles. For me, they have been one of the most interesting things your paper has published since I have been reading it.—Velma Friesen, Halstead, Kan.

I have just finished reading Mr. Vance's last article and enjoyed it very much, as I have all of the others. We who would like to travel and can't, and we who are very much interested in how other people live and what they do and the conditions in foreign countries, have been looking forward to his articles. Please continue his traveling experiences for us. Thank you, and good wishes.—Violet Sedlacek, Waterville, Kan.



## Solving a Big Terrace Problem



A terrace outlet channel on the farm of Amos Flory, near Baldwin, which is stabilized by temporary strips of oats. Tame grass has been seeded between the strips.

CONTROLLING erosion in terrace outlet channels is the biggest problem now confronting farmers who are using terraces, according to reports from sections of Eastern Kansas where terraces are widely used. On the farm of Amos Flory, Baldwin, is a good example of a terrace outlet which is held under control by plant growth. It was seeded to brome grass, meadow fescue, orchard grass, perennial rye and redtop last September by the Federal soil conservation service. Oats strips were planted across the channel at 5-foot intervals. The oats will hold the soil until sod is established.

Dr. J. T. Kennedy, Blue Mound, and E. H. Collins, tenant on his farm, are building the outlet ditch this year. After sod is well established they can safely build terraces and have a satisfactory outlet.

A good pasture is an ideal place to empty terraces, but in their absence a wide channel is best. Mr. Collins is building a ditch of this kind along a fence line where it can handle water from terraces in two different fields. This ditch is 20 feet wide with a flat bottom. After careful fertilization with manure it will be seeded to a tame grass mixture.

## Won in Hays Judging Contests

WINNERS of the grain judging and the livestock judging contests held at Hays Agricultural Experiment Station April 23, earned real honor. This contest is entered by the best teams from the Western half of Kansas. Both members of 4-H livestock clubs and vocational agriculture classes participated. Names of winners:

### Livestock Judging Contest

#### High Schools—30 Teams

High Teams	Perfect Score—1,800
1—McDonald High School	1,553
R. E. Frisbie, Vocational Agriculture Instructor.	
Wayne Chance	483
Leonard Vyzourek	538
Vinson Rummel	532
2—Ford Rural High School	1,469
B. R. Petrie, Vocational Agriculture Instructor.	
Eric Evenson	476
Zack Hager	509
Stanley Whittiker	484
3—Quinter Rural High School	1,455
James F. Shea, Vocational Agriculture Instructor.	
Leland Jamison	513
Arthur Ewing	422
Fred Martin	520

High Individuals	Perfect Score—600
1—Leonard Vyzourek	
McDonald High School	538
2—Vinson Rummel	
McDonald High School	532
3—John Johnson, Ellis High School	522

#### 4-H Clubs—54 Teams

1—Hill Creek 4-H Club, Osborne Co.	1,455
E. F. Yoxall, Leader.	
Niles Conrad	492
Eugene Smith	524
Erwin DeForest	439
2—4-H Club, Stafford County	1,423
Carl C. Conger, County Agent.	
Jack Cornwell	497
Maurice Francis	474
Verne Seibert	452
3—Meade County 4-H Club, Meade Co.	1,406
Harold C. Love, County Agent.	
Arle Moore	427
John Hildebrand	462
Harold Clay	517

High Individuals	Perfect Score—600
1—Eugene Smith, Hill Creek 4-H Club, Osborne County	524
2—Howard Wagner, Lawnridge 4-H Club, Cheyenne County	522
3—Harold Clay, Meade County 4-H Club, Meade County	517

### Grain Judging Contest

#### High Schools—20 Teams

High Teams	Perfect Score—2,400
1—Alton Rural High School	2,090
E. F. Yoxall, Coach.	
Harold Hackerott	716
Doyle Hadley	709
Dale Cooper	665
2—Holcomb Consolidated High School	2,019
A. E. Cook, Coach.	
Pearl Kearn	719
Herbert Herman	708
Alex Holowach	592
3—Delphos High School	1,992
H. W. Schaper, Coach.	
Alfa Allison	685
Beulah Beers	681
Winifred Lynch	626

High Individuals	Perfect Score—800
1—Raymond Heiman, Garden City High School, J. D. Adams, Coach	725
2—Pearl Kearn, Holcomb Consolidated High School, A. E. Cook, Coach	719
3—Harold Hackerott, Alton Rural High School, E. F. Yoxall, Coach	716

#### 4-H Clubs—14 Teams

High Teams	Perfect Score—2,400
1—Quinter 4-H Club, Quinter, Gove Co.	2,020
James F. Shea, Coach.	
Ivan Lahman	676
Charles Kinzie	704
Delbert Jamison	640
2—Delphos 4-H Club, Ottawa County	1,990
H. W. Schaper, Coach.	
Mary McKain	731
Merl Clark	601
Earl Clark	658
3—Comanche Co. 4-H Club, Coldwater	1,885
Billy Hough	629
Jack Heft	660
Tom Carleton	596

High Individuals	Perfect Score—800
1—Buster Beaver, Banner 4-H Club, Trego County	739
2—Mary McKain, Delphos 4-H Club, Ottawa County	731
3—Harold Reece—Parallel Boosters 4-H Club, Finney County	718



### Attractive Pastel Colors—Fine for Parties

Every housewife will want a set of these dainty, colorful new style luncheon napkins, 10 in. square, stamped for embroidering with attractive border and corner flower design. The coupon below will bring you your first free luncheon napkin—then you will be ready to get free napkins to complete your set as later explained.

### Made from Tint-Sax

These dainty napkins are made from the same material as Tint-Sax, the new bags now used for sacking all Staley Poultry Mash and Pellets. As you know, Tint-Sax come in a variety of pastel colors. From these cambric bags you can also make dresses, aprons, rompers, curtains, luncheon sets, towels, quilt blocks, bed spreads, handkerchiefs and many other items. Thus, when you buy STALEY POULTRY FEEDS you get extra value in the Tint-Sax—at no extra cost.

Now is the time to buy FOUR BELLS STARTER & DEVELOPER or MASTER CHICK ALL-MASH—two tested and proved chick feeds, either one of which will assure your having healthy, vigorous chicks that grow fast. These feeds contain every ingredient chicks need for wholesome nourishment and rapid growth and development. Go to your local Staley Feed Dealer at once for a supply of Mash or Vita-Sealed Pellets.



Mail this coupon now and your first free Luncheon Napkin will be mailed you postpaid. When that napkin is mailed to you, directions will be given you for obtaining the other napkins of the set absolutely free with the first purchase of any Staley Poultry Mash or VITA-SEALED Pellets. (Because of the value of these Luncheon Napkins—only one set to a family.) (N-1)

STALEY MILLING CO.  
Kansas City, Mo.

### FREE OFFER—MAIL TODAY

Staley Milling Co., Dept. K, Kansas City, Mo.  
Please send me, without obligation, one free new style Luncheon Napkin ready for embroidering and tell me how to get free the other napkins to complete the set.

My Name \_\_\_\_\_

Address \_\_\_\_\_

Town \_\_\_\_\_

State \_\_\_\_\_

I BUY MY FEED FROM \_\_\_\_\_

Dealer's Name \_\_\_\_\_

Address \_\_\_\_\_

## 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.



Give This  
**Flour**  
A New  
Name!

\$300 in Cash  
for Best 15 Names

### \$50 Check Each Month for Rest of This Year— Extra Promptness Prize

Here is an amazing offer! One that should tax the imagination of every man, woman and child. You have an equal opportunity to win a big cash prize and receive a \$50 check regularly each month for the balance of 1937. In order to get a new name for flour, we are passing on to the readers of this magazine the opportunity of selecting a new name and winning cash prizes for their efforts. There are a lot of good names being used now, such as Big Four, Golden Harvest, Queen's Best, Lily White, Kansas Pride, and others. We want a new name, and for the best fifteen sent in, we will award \$300 in cash prizes, plus a \$50 check each month for the balance of 1937 as a promptness prize.

### The First Name You Think of May Be a Winner

Think of the many names that are now being used and suggest a new name for flour—one that you feel will appeal to the housewife. The name you send in may be of one, two or three words, separate or combined. It will cost you nothing to send in a name. You may win one of the fifteen prizes.

### 15 Cash Prizes Totaling \$300.00

Write your name for this flour on a penny post card or sheet of paper, sign your own name and address, and mail within three days from the time you read this announcement. It will pay you to be prompt. Your name for flour must be mailed before July 31, 1937. Fifteen cash prizes will be awarded. If the name you send in is selected as First Prize winner, you will receive \$100 in cash, and as an extra prize for promptness you will receive a check for \$50 each month for the balance of this year. Second Prize will be \$50; Third Prize \$25; Fourth Prize \$15; and eleven prizes of \$10 each. These fifteen prizes are in addition to the extra prize of \$50 a month which is offered to the first prize winner for promptness in sending in the winning name. Duplicate prizes will be awarded in the event of a tie.

Right now you may be thinking of just the name we are looking for—the name that will win First Prize! Sometimes the first name you think of is the best name to send in. Send your favorite name to

FLOUR DEPT.

20 CAPPER BLDG.

TOPEKA, KANSAS







## Letter Writing Can Be Fun

TRY HELEN'S SYSTEM



Helen has as much fun writing letters as her friends have reading them. Her pen races merrily across the page, giving just the impression she'd like to make as a delightful, up-to-date girl. "I'd adore coming to your party. And it's sweet of you to ask me to stay overnight rather than endure that sleepy 40-mile drive home in the wee small hours," she writes to Ruth.

Her kindly congratulations: "How happy you and Russell must be over the new baby. May he grow to be as great a joy to his friends as his parents are."

Helen pours her personality into these chatty letters without puzzling over correct form. She's up on the etiquette of addresses, salutation, closing. She pleases Mrs. White by addressing her, tho a widow, as Mrs. John R., not Mrs. Anna.

Our 40-page booklet, "How to Write Letters for all Occasions," gives fine points of letter etiquette, tips on vocabulary, sample letters for all types of correspondence. It is only 15 cents and may be obtained from Home Institute, Kansas Farmer, Topeka, Kan.

## 'First Ladies'—Our Mothers

JANE ALDEN, Stylist

Seeing Mrs. Roosevelt for the first time at the Inauguration concert in Washington, D. C., a short time ago made me realize just how true it is that your attractiveness depends largely on what you do with what you have. I was totally unprepared for the tremendous charm of the "First Lady." Her pictures do not catch that radiant inner light which transforms her in real life . . . into a magnetic personality. Tall, statuesque, completely at ease, she walked quietly into the box next to ours. As the audience rose to honor her, she smiled graciously, nodded, and sat down. Seeing my companion, Mrs. M. L. Wilson, under-secretary of agriculture's wife, she smiled again, and glancing further, nodded to other friends and acquaintances.

During the performance I was constantly impressed by her complete

poise. No jerky movements, no intense straining to listen. Just completely relaxed enjoyment of fine music. I spoke about this to Mrs. Wilson later as we drove home. She told me Mrs. Roosevelt's secret for steady nerves despite the terrifically busy hours she puts in each day: "When Mrs. Roosevelt once makes a decision of any kind she immediately puts the whole affair out of her mind, and never fusses or worries about the outcome." We might all take our cue from her and save ourselves both wrinkles and jangled nerves!

Mrs. Roosevelt's perfect grooming and the simple flattering lines of her clothes, the lovely blues and deep reds she wears so becomingly . . . all add further vitality and charm.

"Why," said I to myself, "all women of forty or more can be even more charming than younger women who lack poise and experience, if they just think about it." And so it was I decided to sum up some grooming and dress guides as a sort of Mother's Day bouquet to you charming mothers more than forty . . . the "first ladies" of your homes and neighborhood!

I got some excellent ideas for you from an internationally famous beauty authority, who says: "Brush, brush, brush your hair up and away with firm strokes, starting right down at your scalp, and don't whip it. Give it fifty strokes a day, and your wave will fall into place easily. Brushing makes the hair pliable. And while you're doing this," she continued, "try pushing your hair up and off your face, still with a soft line as a frame. This youthfully flattering 'off and up' business seems to make your whole face follow the trend of your hair. The corners of your mouth lift, your eyes become more alert, your chin snaps up, and your shoulders straighten."

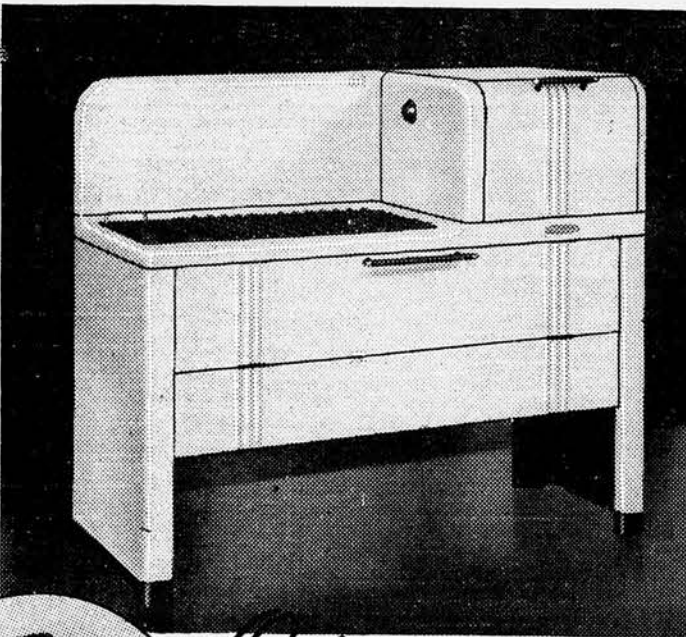
On applying your makeup, "Try a powder base that has a touch of pink for warmth, and rouge in a natural clear red. Put your rouge high and shadow it off until only a warm flush remains. Use a natural shade of powder, one that blends with your skin tone. After dusting the powder from your lashes and brows, smooth them off with a tiny touch of vaseline, or a bit of face cream, for that fresh look."

Now a few helpful "dos and don'ts" of dressing for you in the "frankly forty" group: Do keep your scarfs and belts tacked into place so that nothing dangles. Wear heels that permit you to walk gracefully. Always wear a foundation garment. Choose rich deep shades of your favorite color—they're softer and more flattering; witness Mrs. Roosevelt's deep glowing reds . . . her dulled blues.

A friend of mine, a New York woman who is well known for her charm and smart appearance, has earned this reputation in spite of the fact she weighs nearly two hundred pounds and is just a few inches over five feet tall. She applies Mrs. Roosevelt's philosophy to clothes and says: "Decide carefully what you're going to wear, then forget it. After you've made your decision don't worry about your appearance. Be confident!"

(Copyright, Edanell Features, Inc., 1937)

# "Nothing less than PERFECTION will do!"



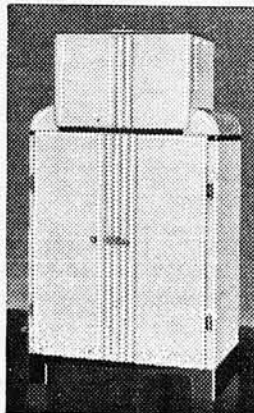
Only **PERFECTION**  
OIL STOVES HAVE  
HIGH-POWER BURNERS

When you choose your new oil stove, don't be satisfied with anything less than **PERFECTION**. Why should you spend years scouring sooty pans and coaxing a balky stove when you can have fast, clean High-Power burners that respond instantly, ready to cook the minute you light them, easy to regulate for any cooking task! Why should you get an aching back from stooping or runs in your stockings when you can have a beautiful new Perfection range with oven conveniently placed above table height?

This modern Perfection is finished in smooth porcelain enamel in choice of cream-white or snow-

white. Five High-Power burners are concealed by a hinged front panel. The removable TWO-gallon fuel reservoir is beside the cooking top giving more work space.

See this beautiful range, also other modern Perfections, at your dealer's. A High-Power burner demonstration will convince you that "Nothing less than **PERFECTION** will do." Mail the coupon.



**SUPERFEX OIL BURNING REFRIGERATOR**—Ice from oil heat! 24-hours' refrigeration from only 2 hours' burner operation. No constant flame. Exclusive Super-Condenser top assures continuous refrigeration at lowest operating cost. No connections required. Send for a booklet.

The Mark  
of Quality

Products of  
**PERFECTION  
STOVE  
COMPANY**

PERFECTION STOVE COMPANY, 7814-C Platt Ave., Cleveland, O.  
☐ Please send me the new High-Power PERFECTION booklet showing modern oil stoves  
☐ Also your booklet showing Perfection-made SUPERFEX Oil Burning Refrigerators

Name \_\_\_\_\_  
St. or R. F. D. \_\_\_\_\_  
Post Office \_\_\_\_\_  
County \_\_\_\_\_ State \_\_\_\_\_

NOTICE: Only genuine Perfection-made wicks, identified by the red triangle trade-mark, and the name "PERFECTION", give best results with all Perfection stoves.

## The Choice of Millions KC BAKING POWDER

Double Tested — Double Action

Manufactured by baking powder Specialists who make nothing but baking powder — under supervision of expert chemists.

Same Price Today as 44 Years Ago

25 ounces for 25c

You can also buy

A full 10 ounce can for 10c  
15 ounce can for 15c

Highest Quality — Always Dependable

MILLIONS OF POUNDS HAVE BEEN USED  
BY OUR GOVERNMENT



## GOOD NEWS!



### DR. SALSBUURY'S PHEN-O-SAL TABLETS

#### KEEPS CHICKS HEALTHY!

It's a wise poultry raiser who gives his chicks the benefits of Dr. Salsbury's Phen-O-Sal Tablets. Used in the drinking water, Phen-O-Sal forms a medicinal fluid that chicks take into their systems all day long. That lessens the danger of intestinal infection, checks bowel disorders, and when inflammation is present, brings quick relief.

Moreover, Phen-O-Sal furnishes blood-building elements that help to improve the health of your chicks, build up their strength and vitality, and make them less susceptible to serious disease. All of which leads to fast growth and early development as broilers or layers.

So put your chicks on the Phen-O-Sal program. You'll never regret it, because you'll raise more chicks in less time and at less expense. Get a package of Phen-O-Sal Tablets at once from the hatcheryman, druggist, feed or produce dealer who displays the emblem below.

**FREE** Dr. Salsbury's new 95-page Poultry Health Manual. Fully illustrated in natural colors. One of the most complete books on poultry diseases ever offered to poultry raisers. Get a **FREE** copy from your local Dr. Salsbury dealer.



**DR. SALSBUURY'S LABORATORIES**  
Under personal direction of Dr. J. F. Salsbury,  
Veterinarian and Specialist in Poultry Health.  
725 Water Street Charles City, Iowa

Dr. Salsbury's  
POULTRY HEALTH  
SERVICE STATION

Take Your Poultry Troubles to the  
Dealer Who Displays This Emblem.  
He Is a Member of Our Nation-wide  
Poultry Health Service.

There Is a **DR. SALSBUURY**  
PREPARATION for EVERY  
POULTRY HEALTH NEED!

### Get the Facts About STOVER SAMSON OIL-RITE Before You Buy Any WINDMILL

Get the most for your money by insisting on features and quality that only STOVER provides. STOVER working parts run in oil and are protected from moisture and dirt. Extra heavy wheel shaft, wrist pins, gears and pinions. Adjustable stroke. Positive governor. Automotive type brake. Doubly fastened wheel bats. Specially braced wheel arms. Hot galvanizing. Self-aligning turntable with graphite-impregnated bronze ring. Doubly girthed and twisted cable braced tower. Write for catalog describing STOVER Windmills.

**STOVER MFG. & ENGINE CO.**  
FREEPORT, ILLINOIS Dept. W 12



## Time Now to Wage War With The Mighty Little Mite

By MRS. HENRY FARNSWORTH

**P**OULTRY houses should receive a good cleaning and spraying now before hot weather starts. After cleaning it thoroughly, give it a thoro soaking with kerosene and crude carbolic acid spray with 1 gallon of kerosene to which is added 1 pint of crude acid. Be sure that all cracks are reached, around the nests and under the roosts especially. Mites hide in any small crevices handy to the roosts, coming out at night to get their meal of blood from the hens. Their natural color is gray. Raise up the roost poles if in doubt as to whether mites are in the house. Look on the underneath side. If there are any you will find them where the roosts rest on the supports. If gray specks are to be seen then you may know that mites have started their work, and the warmer the weather, the more rapidly they multiply. Soon the hens will begin to look pale, and apparently lose their interest in life. And all on account of the mighty mite.



Mrs. Farnsworth

For lice use nicotine sulfate painted on the roosts according to the directions on the can, if you don't want to go to the trouble and labor of handling each fowl individually. However, if you happen to be one of those hard working persons who likes to look the birds over closely, then there is that reliable lice powder, sodium fluoride, which when used as a dip instead of a dust is most effective and lasting, as well as being inexpensive.

When doing a clean-up job early in the season, not only does one get rid of the parasites, but the dirt that is removed helps to keep down the development of disease germs. Open the doors, let in the sunshine. And if the entire house is scrubbed with lye water, so much the better. Getting the laying flock settled from the spring cleaning we then may give our attention to the young chicks.

#### Started-Chicks Winning Friends

Started-chicks are winning as many friends as are sexed-chicks with those who buy chicks, and wish to avoid a lot of worry. There are several facts that are in favor of started-chicks over day-old ones. There is the saving of time and labor and fuel expenses during the first weeks of getting the chicks started off right. In other words,

the poultryman who starts the chicks takes the risk of losses that occur in young chicks. There is no worry and fussing with the young chicks getting them started—no chilling to be feared—no over-heating or smothering to cause one sleepless night. Started chicks in storage brooders are raised under sanitary conditions.

#### Need Heat Up Until June

Up until the first of June one should provide some heat for the 3 or 4-week-old chicks, but a room temperature of 70 degrees is sufficient, or less if temperature of 80 degrees is maintained under the hover. In warm weather it is very easy to keep chicks of this age comfortable which is all that is necessary. Chicks must be watched closely at roosting time for the first few nights until they become accustomed to the large brooder room. They do not know how to settle around the brooder, and must be taught. A wire guard for the first few days will help to control them and keep them from straying away from the heat at night.

Roosts put into the brooding room will encourage early roosting on the perches when they are virtually raised. Over-crowding in the brooder houses may cause disease, cannibalism, and smothering which results in many culls as well as deaths. A safe rule in brooding is to allow the baby chick  $\frac{1}{2}$  square foot of floor space to 8 weeks of age, then 1 square foot to 12 weeks, then  $1\frac{1}{2}$  square feet to 20 weeks, and after that age the customary 3 to 4 square feet.

#### Consider Ease in Cleaning

When buying new equipment for chicks we should demand that it be easily cleaned. Feed hoppers should be built so chicks cannot get into them with their feet, nor roost on top. Experiments along these lines have shown a loss of 65 per cent when feed became contaminated, while those groups that were given clean feed and water only showed a 5 per cent loss.

It is a pretty picture to see a thrifty lot of growing pullets come from the brooder house into the sunshine, and how they do hurry to get out the door. Did it ever occur to you to watch to see whether the pullets have room to get out thru the small openings without bruising themselves? Many brooder houses have only 1 small door thru which the chicks crowd to get out. Two exits are much better. This allows the bunch to divide into 2 lots and chances are better for a more even growth.

## Records Show Garden's Value

By WILLIAM G. AMSTEIN  
Kansas State College

**T**HE financial record and narrative report of Mrs. S. S. Welch's garden, in Stanton county, in 1936 are of interest as the garden season gets under way. During the winter, very little moisture fell either as rain or snow. Dust drifted across the road into the ditch, and was scattered over the garden.

When it was very windy, the spray was set in the garden to help the dust settle, also to store up subsoil moisture before time to plant in the spring. The fertilizer used was droppings from a small flock of chickens. The garden was spaded early. Four rows of early peas were planted March 28. The soil was in good condition. On April 13, the onion sets were put out, and soon after that, all of the garden was planted, including flower seed. Plants were all grown out-of-doors.

Tomatoes were planted in one end of the lettuce frame. Cabbage and peppers were planted outside. The soil was raised around the edges of the garden so no water could run off the plot. The garden was irrigated thoroly once a week, then the tops of the tomatoes and small plants were sprinkled when necessary.

All weeds were kept out of the garden. In late summer after the beets

were canned a row of golden wax beans produced well. Radishes and lettuce were planted later, which were had for table use as late as November 2.

The flowers were beautiful, 260 bouquets were picked. The garden is fenced with a lath fence for wind-break. Sacks were used in 1935, but the lath fence is preferred because the garden is so full of vegetation around the sides that plants thrive better. The question might arise as to why plant so much on such a small piece of ground. With thoro cultivation and proper care, it is much more desirable and profitable in this manner.

Financial record of Mrs. Welch's garden:

Lettuce	.....	\$ 7.00
Beans (fall garden—Golden Wax and Full Measure)	.....	5.75
Cabbage (Copenhagen and Early Jersey)	.....	10.90
Spinach (New Zealand)	.....	3.25
Peas (Alaska)	.....	2.25
Peppers	.....	1.75
Carrots	.....	5.00
Tomatoes (Earliana)	.....	21.00
Onions stored for winter	.....	1.50
Rhubarb	.....	4.50
Beets	.....	2.00
Radishes	.....	6.35
Onion sets from seed	.....	.50
Green bunch onions	.....	1.75
<b>Total</b>	.....	<b>\$73.50</b>
260 bouquets of flowers at .25	.....	65.00

## Wonderful Success Raising Baby Chicks

Mrs. Rhodes' letter will no doubt be of utmost interest to poultry raisers who have had serious losses raising baby chicks. Read her experience in her own words:

"Dear Sir: I see reports of so many losing their little chicks so thought I would tell my experience. My chicks, when but a few days old, began to die by the dozens. I tried different remedies and was about discouraged with the chicken business. Finally I sent to the Walker Remedy Company, Waterloo, Iowa, for a 50c box of Walko Tablets. They're just the only thing to keep the chicks free from disease. I raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."—Mrs. Ethel Rhodes, Shenandoah, Iowa.

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Kansas Farmer for May 8, 1937



# We 'Round-up' Old Acquaintances

By RUTH GOODALL

WIVES may have come along just for company, or to make sure "their Johns" didn't drive too fast when they headed for the Annual Cattlemen's Round-up and Feeder's Day out at the Fort Hays Experiment Station last week. Not so the girls. They got there in spite of dads, brothers and cousins—even their boy friends and bad weather. They came for business, and to business they stuck the whole live-long day while they went thru the paces of the clothing judging contest, which is the feminine end of the annual 4-H Club and Vocational High School contest which in turn is a large part of the Round-up program.

Girls, hundreds of them, had taken over the office building at the Experiment Station when I arrived Friday morning. Girls of all sizes and shapes—blonds, brunets and in-betweens—swarmed over the lower floor lobby, up the stairway, thru the upper hallway and into the four rooms where placings were being made in four separate classes—shoes, underwear, children's dresses, and girls' school dresses. My heart skipped a beat as I watched girls turn dresses inside out and upside down for defects in workmanship—hems that weren't put in right; rough, raw seams; buttonholes not up to specifications; plackets that didn't lap properly. What if they should turn on me next and begin dissecting my wardrobe? No wonder I felt panicky as I thought of my too-intimate associations with safety pins.

## Judges and I Listen to Reasons

A double line of chairs in the hallway leading into the judging rooms where Miss Christine Wiggins and Miss Lora Hilyard, clothing and textiles specialists from the Kansas State College at Manhattan listened to "reasons" hour after hour, reminded me of the good old musical game of "Going to Jerusalem" until I, myself, took a turn at hearing why the girls had rated their placings as they had. Telling in 1½ minutes how and why you have placed four separate garments, is a serious business that leaves no time for school girl giggles. But what a rare opportunity it is for girls to make decisions and learn to express themselves briefly and to the point. That, it seems to me, will be as beneficial as they grow to womanhood as the knowledge and skill they are acquiring in sewing, designing, the suitability of lines, the durability of materials, and various other points which figure on the score card used in national 4-H Club contests.

Perhaps it will interest you as it did me, to learn that the clothing judging contests got "their start" at the Hays Experiment Station. So I was told by Miss Mabel Smith, assistant state 4-H Club leader, who was just about the busiest person, yet the most unperturbed one, to be found on the station's 3,700 some acres. She was here, there and everywhere seeing to everyone's well being. Not a detail escaped her eagle eye as she rendered aid to a girl who had fainted, saw that classes shifted on the signal, and that the lines of girls kept moving thru the "reason" rooms. But the thing that thrilled her was that of the "forty more than ever" teams registered this year; 20 of them were clothing teams.

## The Largest Crowd Ever

There were 63 clothing teams in all, 57 of them from 4-H Clubs, 6 vocational high school teams. With three girls to a team, and in many instances alternates, not to mention club sponsors, the girls numbered far above the 200 mark. In fact this year's turnout was the largest crowd of boys and girls ever to represent 4-H Clubs and high school vocational classes from Western Kansas at the annual livestock, grain and clothing judging contests at the Hays Experiment Station. This was the sixteenth annual competition, and there were 181 teams registered. L. C. Aicher, superintendent of the station, estimated the crowd at 800 including competitors and their sponsors. They came from 37 different counties, representing the sixth and seventh congressional districts of the state.

Awards of individual medals and club cups were made at the Hays high school, that evening, Mr. Aicher pre-

siding; A. F. Swanson of the station staff presenting the crop awards; J. H. Johnson, Manhattan, assistant club leader, the livestock awards; and Miss Mabel Smith, Manhattan, also an assistant club leader, the clothing judging awards. It was a tired but enthusiastic auditorium full of young folks who lustily acclaimed and loudly applauded winners of the coveted cups. Here are the winners, the three highest, both teams and individuals, in the clothing judging contest:

### 4-H Club Teams (Perfect Score 900)

- 1 Mingo 4-H Club, Thomas county  
M. M. Taylor, county agent ..... 759  
Blanche Renner, 259  
Esther Chich, 246  
Eldora Chich, 254
- 2 Bavaria Live Wire 4-H Club, Saline county, Robert W. Fort, county agent 750  
Helen Beil, 251  
Doris Block, 249  
Dorothy Zerbe, 250
- 3 Jolly Workers 4-H Club, Barton county, Ethyl Danielson, home demonstration agent ..... 747  
Margery Smith, 255  
Eunice Sharp, 234  
Deborah Sharp, 258

### (Individuals, Perfect Score 300)

- 1 Ruth Essmiller, Busy Buzzers 4-H Club, Barton county ..... 281
- 2 Margaret Shogrin, Meade county, 4-H Club, Meade county ..... 268
- 3 Beth Archer, Paradise Dell 4-H Club, Russell county ..... 263

### High School Teams (Perfect Score 900)

- 1 Holcomb High School, Helen Kadel vocational homemaking instructor ..... 710  
Betty Dimmitt, 232  
Genevieve Wittman, 229  
Henrietta Ackley, 249
- 2 Quinter High School, Edna Mann, vocational homemaking instructor ..... 699  
Ora Lee Porter, 250  
Vena Phelps, 211  
Eileen Ikenberry, 238
- 3 Smith Center High School, Geraldine Lancaster, vocational homemaking instructor ..... 672  
Iona Mulkey, 203  
Elizabeth Bloylock, 230  
Maurine Graper, 239

### (Individuals, Perfect Score 300)

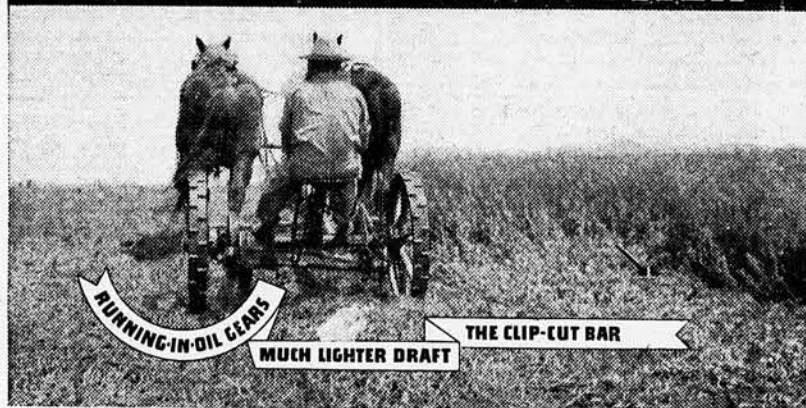
- 1 Ora Lee Porter, Quinter High School ..... 250
- 2 Henrietta Ackley, Holcomb High School ..... 249
- 3 Maurine Graper, Smith Center High School ..... 239

Special mention should be made, it seems to me, of the young girl who invaded the boys' grain judging contest, and came out with second honors. Mary McKain, of the Delphos 4-H Club, Ottawa county, rated 731 out of a possible perfect score of 800.

Saturday was old folks' day, with something of special interest to men going on from early morning clear thru the day, high-lighted by an address by Dr. F. D. Farrell, president of Kansas State College. For those "come along" wives—and there were plenty of them—there was a special program all their own under the direction of Miss Ellen Batchelor, Manhattan, district home demonstration agent leader. Miss Alberta P. Sherrod of the Kansas State College faculty, spoke on the subject of "Newer Ideas in Home Equipment," with special emphasis placed on storage equipment, particularly in the kitchen, which is after all the homemaker's workshop. Taking as the text of her quite informal but charming talk, "Order Is Heaven's First Law," Miss Sherrod proceeded to paint a word picture, illustrated with lantern pictures, of a composite farm kitchen which is the ambition of every woman who keeps house. Not an inch of space was wasted and so scientific was its left-to-right arrangement that not a step would be lost in criss-crossing as one went about her daily kitchen tasks. There was the usual singing of old-time songs, the renewing of old acquaintances, a discussion by the women themselves of their particular kitchen problems, and suggestions made for next year's Round-up program.

I came away with a lot of new ideas and a happy feeling around my heart. It is always an inspiration to see and talk with readers. It seems so much more personal than reading your letters—much as I love them. Perhaps those of you who were there will remember me as that rather plumpish person in the raspberry coat with a speckled feather in her hat. I shall be happy and not the least bit offended if you even think of me with a word which doesn't sound so nice and means a degree plumper than plumpish, if you will but think of me as a person instead of a name on a printed page.

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# Black Feather

## Fourth Installment

By HAROLD TITUS

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### In Preceding Installments

Rodney Shaw, last of the independent fur traders opposing the Astor Company, comes to Mackinac to talk terms. He earns the right to wear the black feather, symbol of physical superiority. At a lavish banquet Shaw is asked to submit his independence to the company but he flings defiance at Astor and his lieutenant, Ramsey Crooks. He attends a dance at the fort where he falls madly in love with elusive, beautiful Annette Leclere. Playing with his love, as queen of the dance, she selects him as king for the following night. "Before dawn, I'll kiss you!" he warns her. Shaw's man, Basile, summons him to meet an old stranger.

RODNEY had pitched his tent at some little distance from any other. Embers glowed before it and within the flap a man was seated, a robe drawn about his gaunt shoulders. The light of the dying fire was reflected in deep and somber eyes. He was old. Long gray hair hung about his shoulders; a long, gray beard brushed the front of his buckskin shirt.

A trader, surely, but one for whom *rendezvous* had lost its glamour. He sat here garbed as he would be in the interior, and perhaps his heedlessness of convention was explained by his face, which was thin and pallid as if heavy sickness lay upon him.

He raised his eyes as Rodney came to a halt and studied the young man at length. Finally he nodded, as one will when he has looked expectantly and found good that which he sees.

"How, Shaw!" he said in a voice which had small vigor and raised his right hand, palm outward, a gesture of friendly intent. "Set," he rasped in a whisper.

Rodney, his curiosity nipped by the man and his manner, seated himself.

"No wind for words," the visitor explained and indeed this was evident, for even the utterance of those few syllables had set him panting. "Name's Leslie," he said. "Once . . . independent trader. Astor's slave . . . now."

He nodded again, sadly, his eyes still on Shaw's face.

He tried to speak but only strangled and fought for breath. Somewhat eased, he raised his hands, and began to talk in the graceful, logical sign language, the means of communication which transcends tongue and race. Now and then he dropped in a word. At times, when his breathing permitted, he spoke a sentence. Mostly, however, he made known his history just with movements of those gnarled but articulate hands.

He was a York state man, had started his trading with the Indians close to his boyhood environs. He had drifted west with the settlement of his country and the disappearance of abundant fur.

Of late years he had traded largely with the Menominees and had retained his independence well enough until the monopoly which Astor set spreading across the Northwest like a blot wiped out his identity.

" . . . old man," he panted. "Too old to . . . fight. . . . Traded here at . . . own account and . . . risk. . . . Now, my wind and . . . feet. . . ."

He drew up a legging to expose the swollen ankles encased in their moccasins tops.

"Old!" he gasped. "'Bout reached end . . . of trail. . . . Took likin' to you when . . . seen you arrive. . . . Felt like pardner to you when . . . heerd what Rickman 'd done. . . . When heerd what you . . . told Astor. . . . Waugh!" he said with sudden strength and fervor and then sank back to one elbow, exhausted.

Rodney started to speak but Leslie held up a hand.

"What's your . . . plan?" he whispered. "What you . . . aim to do?"

Shaw shrugged.

"Keep on my feet," he said. "Keep being a burr, a pestilence for this man Astor. Plan? I've no plan,"—bitterly. "I'm a pauper. I haven't enough fur to make a start at assembling trade goods, once my men are provided for,

But somewhere, some place in this Northwest there must be a man who'll back another to stand alone!"

Leslie shoved himself erect and tried to speak again, one hand pressed over his flailing heart as though he would check by that pressure its pulsations so words might crowd thru his throat. An irate glare at his own weaknesses showed in his eyes.

"Waugh!" It was little more than a brave gasp. "Man's talk! . . . Spoke like . . . free man!"

He panted thru parted lips a moment and then the strength that was in his spirit seemed to make headway against the weaknesses of his body.

"Brothers, you 'nd me! Brothers, Shaw. . . . Leslie's th' party you're lookin' for!"

"Listen!" he rasped. "I brought in good take. I got trade . . . goods, plenty. I got in mind th' richest tradin' ground left. I got . . . everythin' but wind 'nd legs. Ever hear of th' Pillagers?"

Rodney nodded.

"Ay! Who's not heard of them? Far up the Mississippi; good hunters and in rich country. But others are there."

"Others was! Gone, now. Nor'westers 're gone by law. Th' lone independent who opposed 'em 's gone. . . . Sioux driven him out."

"Rich country. Waitin' to be took. By me. With you. I got . . . trade goods. You got th' feet 'nd wind."

"Look!" he said. "Astor figures to step in. He's sendin' Rickman. We'll fix a su'prise for 'm!"

He fumbled in the buckskin pouch which hung from his girdle, cheeks showing the color of excitement which lent him strength as a potent drug might have. "Here!" he said and drew out a map, crudely etched on parchment, and pointed to the winding course of the Mississippi and to a lake indicated well toward its headwaters and to the westward of the stream's flow. "Yon!" he said. "Rich country waitin' . . . to be took!"

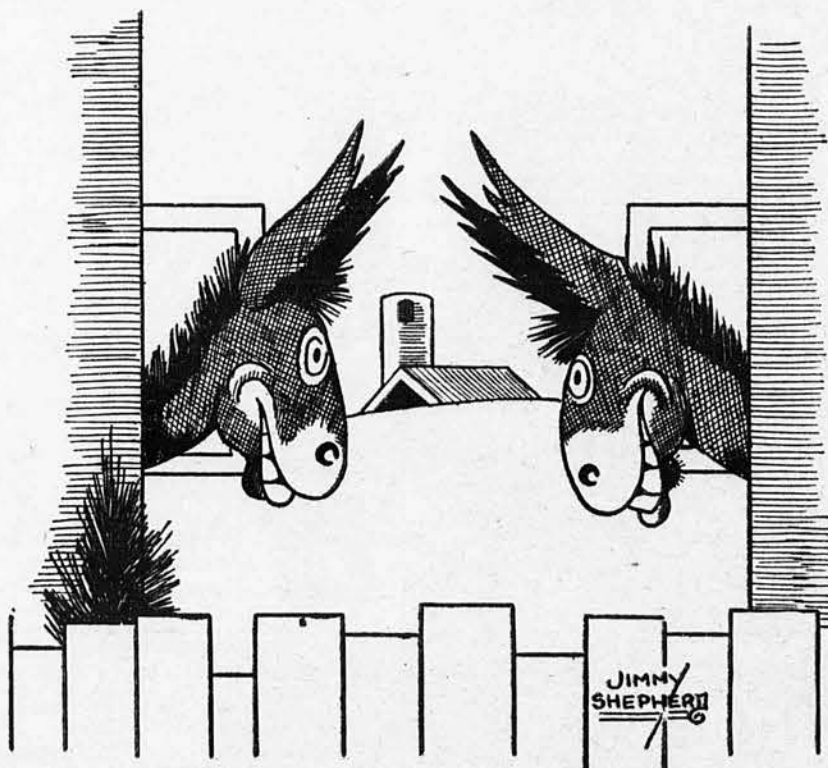
His enthusiasm was contagious. It sang and tingled through Shaw's veins. Here was opportunity, indeed, to make good his boast which, when rendered, was empty. He looked up from the map and started to speak.

"Don't talk!" cautioned Leslie. "Leave me. Wind won't last long!"

Again he fumbled in the pouch and this time produced an Indian ceremonial stone of green, shaped like a butterfly, polished to satiny smoothness. He balanced it on his hand and the lips parted in a wheezy laugh.

"More powerful nor Astor! More valuable nor a ton o' trade goods! Like a key to a lock. . . . Key to Pillager lock!"

"Give to me by Standin' Cloud. Pillager chief. Saved his hide 3 year back. They'd come to treaty talk. Prairie du Chien. Plenty rum. Standin' Cloud gits him drunk. Goes to sleep on river flat where th' grass is dry. Fire starts. I drug him out. . . . Nick o' time!"



"And they say she's so fat she can't wear her old harness."

Basile had dropped a dry knot on the coals and it flared up showing the old trader's face fairly exalted with excitement.

"Brothers! Me 'nd Standin' Cloud brothers! He passed th' stone 'nd tells me to send it, if ever I need . . . a brother! No use, then. Two forts a'ready amongst 'em. Trade won't stand another split. But now . . . it's different."

He choked and gasped then and after a struggle gave up and once more reverted to signs. Rodney had strength and agility, he indicated. Rodney could direct the march and pass the credits and see that they were collected. Rodney's feet and legs were not swollen. Rodney's heart did not hammer so fast that it stopped his breath.

"Just two of us . . . old free-traders left," he whispered. "Just two as won't belly-crawl to . . . Astor. Do we deal?"

Rodney, stirred altho he was at the prospect, demurred. It was not fair, he declared. He'd go as an hireling with Leslie, but not as a partner. He had nothing to contribute to such an enterprise.

"Gabble!" the other cut in. "I got goods. . . . Goods 're no use lessen strong legs 'nd hearts go . . . with 'em. You got legs 'nd heart. . . . Do we deal? . . . Don't we?" he asked again and in his eyes was pleading which warned Shaw with something else than the prospect of being able to make good his boast and satisfy his impulse to stand against the great Company.

They talked, then, until dawn silvered the east; until the sounds of revelry faded out at the great house; until lesser sounds from lesser gathering places gave way to the silence of a new day. Then Rodney half led, half carried the old trader to the camp he had made at the eastern end of the island and left him with word that he would return and give his answer, but not before night had fallen; not while it was possible for prying eyes to know.

"They'll watch ye!" Leslie muttered as Rodney lowered him to his couch of buffalo robes. "They'll watch ye like a lynx watches prey. . . . Come late. . . . I don't sleep nights. . . . I set awake 'nd think 'nd hate . . . hate. . . . But now I'll . . . plan . . . plan. . . ."

RODNEY slept until the sun was full an hour high. He had gone to sleep with his heart still fast at thought of the opportunity to establish himself again and give combat to huge accumulations of wealth and power as free men of his time longed to fight.

And he awakened with his heart going fit to choke him; with his heart flailing as Leslie's flailed, perhaps, and gasping to himself a name. Over and over he repeated it, sitting there in his robes, blinking at the new day.

"Annette!" he said. "Annette . . . Annette . . . Annette Leclere!"

He laughed and shook the sleep from his eyes and laughed again, but this time not so lightly, not so much in self-derision. The girl's spell was upon him, fastened there with a sobering quality.

He might tell himself that all his concern was with trade and freedom. He might spend years driving his mind and body at these two objectives. But he was young and vigorous.

For too long had his youth been enslaved by his interest in trade. For too long had he held in leash the impulses of youth and turned all his energies into the channels which will wholly satisfy mature man.

Last night the spark which touched off those pent-up stores of desire had been struck and altho the fire which it had set in his veins could not distract him wholly from thought of Astor and Rickman and Leslie, nevertheless it burned with a consuming fever as long-thwarted want will burn when the possibility of satiation, however remote, is within sight.

In Virginia, he had lisped the language of the fur trade as a child. Men coming and going from the interior stopped at the house where his father sat, a Hessian ball in his thigh, his eyes lingering hungrily on the distant ridges, beyond which lay a wilderness, wait-

(Continued on Page 27)



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## Natural Gas ❖

### Imagine Her Surprise

"What's the matter with that old hen that makes her act so funny?"  
 "She's been shell shocked."  
 "Why, I never heard of a hen being shell shocked."  
 "She was. Ducks came out of the eggs she was sitting on."—John Perkins, Clark Co.

### His Money's Worth

"Zephaniah, look here, when be you goin' to pay me them \$8 for pasturin' your heifer? I've had her now for about 10 weeks."  
 "Why, Sam, that critter ain't worth more'n \$10."  
 "Well, supposin' I keep her for what you owe me?"  
 "Not by a jug full. Tell you what I'll do; keep her 2 weeks more, and you can have her."—Jack Powell, Atchison Co.

### With Malice Aforethought

Insurance man putting questions to cowboy:  
 "Ever had any accidents?"  
 "Nope."  
 "Never had an accident in your life?"  
 "None. A rattler bit me once, tho."  
 "Well, don't you call that an accident?"  
 "Heck, no. He bit me on purpose."—R. M. C., Butler Co.

### Fooled Him Only Once

An Englishman visiting a friend in Nevada suggested one morning shortly after his arrival that they take a stroll to a mountain visible from his friend's home.  
 With secret mirth, his host agreed, but after walking several hours, the Englishman was amazed to find the mountain apparently no nearer. Upon asking his friend how far the mountain was from them, he was astonished to learn that it was still thirty miles away. His host then explained that

We'd like to have your favorite story for this column. Please address Natural Gas, Kansas Farmer, Topeka.

the Nevada air is so rare that distances are deceptive.

Returning home by a different route, they came to an irrigated field, and at the first ditch, the Englishman sat down, and to his host's surprise, began to remove his shoes.

"What on earth are you doing?" the host asked.

The Englishman, gravely contemplating the ditch, replied, "Why, I'm going to swim this river!"—E. R. A., Johnson Co.

### True to His Friends

"Yes, sir," boasted the hotel proprietor, "that dog's the best rat catching dog in the state."

Even as he spoke two big rats scurried across the office floor. The dog merely wrinkled his nose.

"Rat dog!" scoffed the traveling man. "Look at that will you?"

"Huh! snorted the landlord. "He knows them. But just you let a strange rat come in here once."—R. Webster, Scott Co.

### Couldn't Have Been Guilty

The fair motorist was speeding thru the village when a constable stepped out on the road in front of her and forced her to stop.

"What have I done?" she asked, innocently.

"You were traveling at 40 miles an hour," replied the limb of the law, taking out his notebook.

"Forty miles an hour!" echoed the fair motorist. "Why, I haven't been out an hour!"

The constable scratched his head with his pencil before replying, "Carry on, then. That's a new one on me."—Elsie Collins, Franklin Co.

### Said the Wrong Thing

Ruth: "My dad gives me a dollar every birthday, and I have \$17."

Boy Friend: "How much does he owe you?"—O. M. P., Atchison Co.

## How a U. S. Farmer Sees Things

(Continued from Page 6)

There was, however, a very definite scarcity of coffee. Even after I was again in funds and had moved to a better hotel, a decent cup of coffee was not to be had. I was told that there was an import duty of 100 per cent on coffee and that a good grade of coffee could not be purchased for less than 4 marks a pound. This was part of the Hitler plan to keep all money at home and encourage the use of German-made substitutes. Well, who wants to drink coffee anyway, when he is in Germany? "Prosit."

Propaganda in the papers appealed to the people to help make Germany independent of the rest of the world. "Do not waste cotton by using tablecloths. A well-scoured wooden table is just as sanitary and looks much more 'gemuetlich' than a cloth-covered one." "Observe meatless days; Hitler himself eats neither meat nor butter." "Keep money in the country by using German substitutes." These and similar appeals can be found in almost every newspaper, and I believe that the average German family is obeying them.

### Respect for Law Shown

As an illustration of the average German's honesty and respect for law, let me relate an incident. When my friend, the Major of the Marines, and I were cruising the streets of Berlin one evening, we stopped in front of a fruit vending machine. Plums, peaches and apples were displayed in small glass-fronted compartments, the doors of which were unlocked by dropping a coin in the upper right hand corner of the machine. "I wonder what would happen," said the major, "if 2 doors were pulled open at the same time." He dropped a coin into the slot, we each pulled a knob, and the 2 doors opened. I venture that no German had ever thought of trying to beat that machine.

Never have I seen such careful, intensive farming. This land has been in cultivation for hundreds of years and probably is as productive as it ever was. The great barns of the farmyards

are built around a roofed-over manure pit. Layers of straw are spread in this pit from time to time to absorb the liquids so they may be returned to the land as fertilizer. Only one-way plows are used so that there will be no unproductive dead furrows, and erosion is stopped with brush or stone dams at the first hint of a gully.

Even the roadsides are utilized. They are seeded to grass from the property line to the pavement, and the grass is cut with scythes and carried to the village to feed livestock. In addition, rows of plums, apples and pears are planted on both sides of the pavement. When the fruit is ripe it is sold at auction and the proceeds go into the highway fund.

In most other countries I found a definite movement to break up the large estates into small family-owned farms. I saw no evidence of this in Germany. The land-owning class seems to be solidly behind the Hitler government. The government fixing of prices has been in their favor and the large estates now are paying off old indebtedness.

And when there were only 2 days left until my boat was due to sail from Cherbourg, France, I told Bill, "Heil Hitler," and boarded the train for Paris.

### Only Brief Visit in Paris

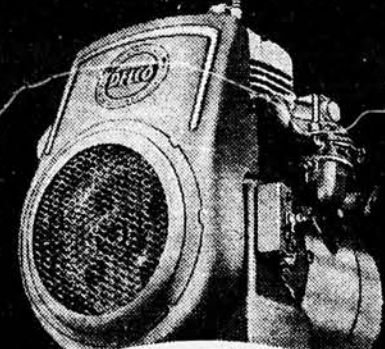
I shall attempt no detailed description of Paris. Let a few incidents suffice to give my impressions. The insulting way the waiter swept my 10 per cent tip, standard all over Europe, to the floor; the experience of buying a package of cigarettes and, a moment later, seeing a Frenchman buy the same brand for exactly half what I had paid; the disgust of being braced 4 times in 1 block by runners from the bagnios. Still I bear no ill will.

When the tender pulled away from the Cherbourg dock, taking me out to the home-bound steamer, there were 25 or 30 good U. S. dollars in my pocket, dollars that might otherwise have stayed in France.

(The End)

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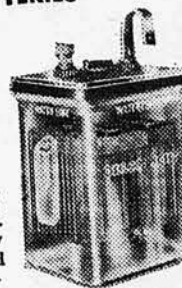
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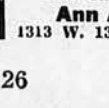
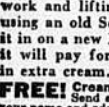
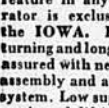
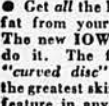
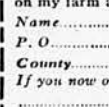
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## All Aboard! For Better Homes Enthusiasts

(Continued from Page 3)

The four cars of displays and exhibits aboard the special will include suggestions for aiding home owners in their home-building, home-remodeling, home-decorating, home-equipping and home-beautifying plans.

### What You May Expect to See

First car on the train will be given over to the electrification phase of rural homes and to a 4-H Club exhibit. Different types of home-lighting plants will be shown, as well as electric wiring and equipment showing connections with a high power line, and the benefits to be had from the use of electrical power. The 4-H Club display will emphasize the place farm youth is playing in encouraging an improved standard of living, not only for themselves but for generations to come.

In the second car, actual farm home models are to be shown. Diminutive in size but built to scale, these models will be of different architectural types and will give the onlooker a very definite idea of what may be had at varying price levels. Besides these models there will be plans and blue-prints of farm homes, and information about construction and materials best suited for various types of home most common in Kansas. Particular emphasis will be given to the near miracles to be wrought thru a clean-up-painting-landscaping campaign. A termite control exhibit will be an additional feature of this car.

In car number three, you may view and inspect to your heart's content all kinds and types of equipment for the betterment of farm homes generally. There will be water supply systems. An electric pump and pressure tank in operation will convince you, if you need convincing, that they will provide for a rural home all the comfort and convenience of a city water system. Sewage disposal, with a septic tank model, will find space in the exhibit; as will all sorts of plumbing fixtures—the customary three bathroom pieces, a shower for the basement, and a kitchen sink, each one showing its particular adaptability to farm home use.

Second half of this car will be given over to heating, air conditioning, refrigeration and the use of insulation. All types of refrigerators—the icebox, the fuel-burning iceless type, the electric—will be numbered "among those present." You may look them over, hear of their respective merits, judge for yourself, and go home to buy what you please. A small air-cooling unit for single room service that may be plugged into any wall socket will be a feature of the air conditioning exhibit, as will a miniature air circulating hot air heating plant with combined heating and cooling units.

### The Farm Wife's Utopia

Last comes the farm homemaker's Utopian dream. Half of car number four is being devoted to a completely equipped kitchen, with a washroom adjacent where the men may clean up without interrupting meal preparation. At the opposite end is a dining center for family meals. The other half of the car will be used to display a most comfortable bedroom with a place for everything and everything in its place; a farm home bathroom; and an attractive living room with furnishings and decorations within the price range of the average farm family. In the living room special emphasis has been placed upon reading facilities, music, art, fun and hobbies, for it has been planned as the recreational center of the farm family.

It is the opinion of Miss Smurthwaite that the homemaker cannot be expected to appreciate life fully, nor enjoy a full life, without some time left of her daylight and evening hours for reading, for social periods with the family and with her neighbors, and for recreation. "But," cautions this home demonstration leader, "it takes a good degree of home planning and household conveniences to make this time available." With that thought in mind, she has seen to it that many labor-saving conveniences are to be found on the train: Running water, electric lights, a refrigerator, an up-to-date oil-burning range, a step-saving kitchen with a planning center. Minutes and hours saved in this time-and-labor-saving kitchen may much more happily be spent in the livable



H. Umberger, Dean and Director of Kansas State College at Manhattan, will be a featured speaker on the Better Farm Homes Train on Saturday, May 15. He will be on hand when the train stops at Chanute, Independence and Winfield.

living room which you'll find at the opposite end of the car. Well-filled book shelves and comfortable chairs with nearby lights invite reading. A writing desk for adults and a small table and chair for the children assure one that correspondence and "home lessons" will not be problems of the family who lives there. A built-in storage space for toys avoids that middle-of-the-floor clutter and a radio brings to the very heart of even the remotest farm home the "best on the air." Here it is the family really lives, and The Better Farm Homes Train living room lays much stress on the "togetherness" of farm families.

### Sure, You Can Afford It!

All displays and exhibits carried on the Better Farm Homes Special tell the story of how rural as well as urban homes can be made more convenient and beautiful without costing so much the average Kansan can't enjoy modern comfort. It is not the purpose of the train to set up a standard of home living beyond the masses. Rather this train is being run to afford rural and towns people of the state opportunity to view first-hand, practical and efficient home plans and equipment within the financial reach of a majority of Kansas people. It is the hope of the Kansas State College and all co-operating agencies that this special farm home train will be of much assistance to Kansans in their home-building and home-remodeling problems.

## Two Stars of the Better Homes Troupe



Walter G. Ward, Extension Architect, Kansas State College, in charge of educational features and the speaking program on the special Farm Home Train.

Don't miss the train! Remember the dates: May 10 to 22 inclusive. See the cover of this issue for the schedule of morning, afternoon and evening stops. If the train comes to your town, that's a break for you. If it doesn't, arrange somehow for the whole family to see it—it's as entertaining and as educational as a state fair. You travel miles to take that in every year. Don't miss seeing this Better Farm Homes Train—it's your loss if you do.

## Rebuilding a Farm Kitchen

V. R. OLIVE

What Mr. and Mrs. John Schminke, Gray county, did to "a modern kitchen of 25 years ago" shows the difference in what was considered modern then compared to today's ideas. Foot work and knee action seemed to be the style. No wonder the women of those days took their exercises in their kitchens, for by the time the meal was over and the work done, they had no time for any outside exercise, or did they feel much like it.

Consider this kitchen of Mrs. Schminke's before remodeling—a room large enough for both dining and cooking. On the south side was a pantry large enough for a bathroom and pantry, too. The sink was between the pantry and a window to the east. The stove was in the northwest corner and the cabinet in the northeast corner. It doesn't take much imagination to see how many steps were necessary in the course of a day.

The first thing these folks did was tear out that pantry and sink. By building an archway where the door to the pantry had been they had a delightful and large kitchen nook. An ordinary window in the north was taken out and a regular sink window put in, with the sink below it. Built-in cabinets were made on each side of the sink, to bring utensils within reach. The outlay wasn't great and just think of the pleasure Mrs. Schminke must get out of working in that new kitchen!

## Damming Lister Value

In the field where Clyde Machin of Russell county used a damming lister he found 16 to 18 inches of moisture this spring. On an adjoining level field around 10 to 12 inches of moisture was stored. The furrows and dams caught and held both snow and rain, which blew and ran off of a nearly level and smooth field.

## Depends on the Soil

A. W. Brown, Elgin, produced a good yield of pink kafir grain on sandy upland, in Chautauqua county, last year. He plants 1½ to 2 pounds of seed to the acre. When the sorghum is planted on rich soil and there is plenty of moisture, a slightly heavier rate of planting may be used. Most farmers could save seed and get a bigger grain crop by reducing their rate of planting.—A. L. Clapp.



Miss Maude Deely, District Home Demonstration Agent Leader, Kansas State College, who will help the ladies with their home problems on the train.



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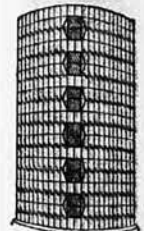
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## Says All Farmers Should Join Protective Service

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

A SMITH county farmer joins the long list of those who approve of the Protective Service, by sending this letter to Kansas Farmer: "Many thanks for the \$25 reward check, delivered to me by your district manager, Walter O. Grete, Smith Center. I will be a booster for your splendid organization and I believe all farmers should belong to your Protective Service. Sincerely, J. R. Sheets, Reamsville."

The reward referred to by Mr. Sheets was paid for the conviction of Evan Daniels and Harold Burns, who stole some old iron and steel from a farm displaying a Protective Service warning sign. Punishment for this crime was 60-day jail sentences.

### It's Good Enough to Keep

In a card, written to Kansas Farmer a few weeks ago, Clarence Riggs, Lebo, said, "I wish to acknowledge receipt of reward check in the amount of \$12.50 a part of the reward paid for the conviction of Zip Blair, who stole two calves from my farm." Mr. Riggs showed his approval of the Protective Service by renewing his subscription to Kansas Farmer for 5 years. The other half of the reward in this case went to Sheriff Roy E. Davis, Emporia, who made the arrest.

### Poultry Dealer Did Right

A Shawnee county poultry dealer, who studies his customers, was responsible for the capture of a thief, who stole chickens from Service Mem-

ber A. B. Johnson, R. 2, Eskridge. The dealer suspected chickens, offered to him, might have been stolen, called the sheriff and the investigation which followed resulted in the arrest of John Bayless, who was convicted and given a jail sentence. The Kansas Farmer reward paid for this conviction was divided equally between Service Member Johnson and a Topeka poultry dealer.

### Do You Know That —

Capper's National Protective Service is the largest privately operated agency in the world for the curbing of thievery.

Capper's National Protective Service an Anti-Crime Association has paid out, to date, \$79,780 in rewards for the conviction of 3,247 thieves, who have stolen from posted premises.

Capper's National Protective Service is now paying at the rate of 311 cash rewards a year, 26 rewards a month, 6 rewards a week and 1 reward every working day.

Farmers lose by theft every year property valued into the millions of dollars.

Capper's National Protective Service maintains 2 daily radio broadcasts of thefts, one over Station KMMJ, Clay Center, Nebr., at 9:40 a. m., and the other over Station WIBW, Topeka, Kan., at 10:30 a. m.

Broadcasts concerning thefts are made free to Protective Service members and law enforcement officers co-operating with them in an effort to capture thieves and recover stolen property.

## Black Feather

(Continued from Page 24)

ing to be conquered and appropriated by the hardy. Young Rodney had listened to their tales, become infected by that fever which made his crippled father hapless.

As a stripling he had gone to the Ohio, a trader's runner; when a husky lad he had gone again, his own goods slung to his broadening shoulders. Pushing on, season after season, he had acquired credit and standing, had gone further, as far as the Mississippi, and still heeding the call of distance, pushed on northward to Lake Michigan, never stopping long.

And other traders had been glad of that. He was a scourge as competition, blighting the land for others with his energy, his knack of handling natives with his shrewd, fair bargaining.

Achieving success and reputation was a task, a grueling, driving task, excluding all else from consideration. Day and night, week in and season out he had struggled, establishing himself, thwarting competition, taking on Bel-leau as partner 3 years before to make his hold doubly secure on territory.

He had lived for his trade. He had not taken eyes or mind from it since first he saw its possibilities opening before him. And the great Company had swept it all away as a casual hand brushes crumbs from a table and he had come this far to shout defiance at Astor and, with that moment behind him, youth had had its long delayed hour.

Basile cooked breakfast for him and Shaw ate alone before his tent, the old man eyeing him with ill concealed curiosity.

Finally, he could no longer restrain himself and put the question in French: "Do we put out with the old one?"

Shaw smiled. "Does one pass by rare opportunity? Does one, Basile? Of course we put out. But not too hastily. It is true, what he says about the worthlessness of his goods without the strength to transport and the wit to trade. But even on the frontier one makes no unseemingly haste to accept such favor. For, helpless tho he is alone, it still remains a favor.

"But Leslie is a sick man, Basile,"—soberly. "Perhaps even with a heavier sickness than one comprehends. He is unfit for a march. Today, we must make gestures at occupying ourselves. Tonight, during the dance at which I'm to be king,"—with a reminiscent

grin—"I slip away and go to him. In the meantime . . ."

The sound of shod wheels rolling on gravel checked him and he looked up to see Annette in her gig, careening down the narrow street between picketed dooryards, pretending not to see him, to be concerned only with how the white filly handled her feet. But she could not help giving him notice as he leaped outward, flinging up an arm to make the leading black shy wide, grasping the filly's rein.

"Impudence!" she cried, feigning pique. "Beware, Star! Steady, Jet! . . . You will have me upset, Rodney Shaw!"

"That is my ambition!" he cried.

"Stay back!"

"I stay here, I defy you!"—as he vaulted the wheel to the seat beside her.

"But you were to be gone from Mack-inac! All have heard the brave things you said to Mr. Astor. Did you not mean them? That you'd be gone in defiance to him?"

"Not until those ripe lips hunger as mine hunger!"—leaning so close that she fended him with an elbow, laxing her hold on the reins and letting the spirited horses break.

"Nonsense, sire!"—And then, for moments, she was busied with wrenching the team from its gallop.

So he drove with her that morning and strolled with her that afternoon, telling himself that here, indeed, was convincing strategy; that suspecting eyes would see and know the fire Annette had set in his veins and be blinded to the truth that he awaited only darkness so he might go again to Leslie and build upon the groundwork of the plan which had been laid before dawn.

He told himself this and yet he knew that, Leslie or no Leslie, he would have been at her side this day. Youth was rampant in his heart; the dammed-up desires had broken thru the barriers which had imprisoned them. He wooed roughly, madly until late in the afternoon. Annette fled his avid arms and hungry lips and sought sanctuary from his determination in the house of the old aunt which was her home.

He went back to his tent, walking lightly, head high. Two objectives, now, were within his grasp and the one lent zest to the other.

(To Be Continued)

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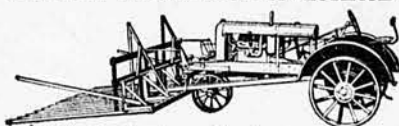
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## Best Gains Depend on Quality Of Cattle, Hays Tests Show

By TUDOR CHARLES

THE greatest lesson taught by cattle feeding experiments, discussed at the recent Hays Cattleman's Round-up, was that quality cattle grow rapidly and fatten easily. Four hundred farmers looked at 8 lots of 26-month-old Hereford steers and heifers and were amazed at the finish they were carrying after having been fed on an ordinary wintering ration. The cattle were raised on the station farm. Dr. C. W. McCampbell, head of the Kansas State College animal husbandry department, called attention to the fact that condition of the cattle was largely due to their breeding, and that neither as great daily gains, nor as much finish could be expected from common cattle handled this way.

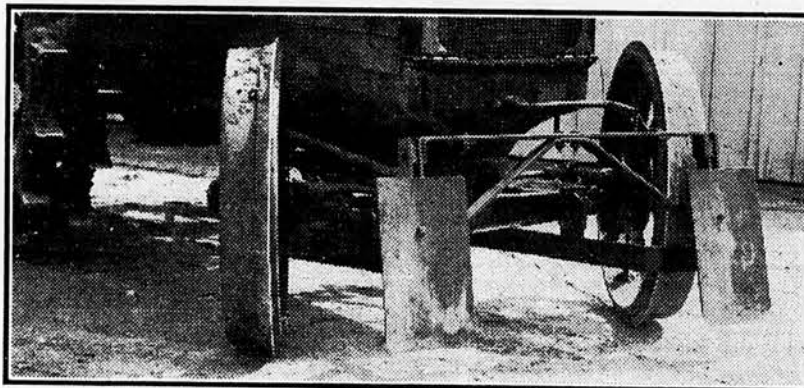
The 80 yearlings at 26 months old weighed about 1,060 pounds apiece, and 80 calves at 14 months weighed nearly 700 pounds. Their rations had consisted of grass during the summer, and silage made from drouth-stricken sorghum crops plus a small amount of protein supplement during the winter. They never had been fed any grain. "This example of quick weight along with quality is excellent evidence of

pounds of bran and 4 pounds of alfalfa were fed, since experimental evidence has shown these are about equal in protein content to 1 pound of cottonseed meal. These feeds were in addition to all the Atlas sorgo silage the cattle would eat.

The cheapest cost for 100 pounds of gain was in the bran-fed group, where feed cost was \$9.99. Next came the alfalfa and cottonseed meal lots, about 50 cents higher. Then linseed meal, soybean oil meal, and corn gluten meal were grouped at about \$12. The expensive feeds proved to be tankage at \$12.11 for a hundred pounds of beef, and peanut oil meal at \$13.06. These results were in keeping with those obtained in the same experiments a year ago.

The alfalfa hay was ground since it was first cutting hay and very coarse. It would have been difficult to have checked the amount eaten accurately due to waste, if the hay had been fed long.

With calves fed the same rations, somewhat different results were obtained. Cottonseed meal gave the cheapest gains, then came corn gluten



A valuable device used by farmers to level the dams made by basin-listing, so tractors may run down the furrows, is shown here on a tractor at the Hays Experiment Station. These shovels brush the dams over, so there is only a small amount of jolt as the wheels pass over.

the value of good quality, good type, rugged bulls in commercial herds," Dr. McCampbell said.

In one experiment, 8 lots of 10 yearlings each were wintered on a straight silage ration, with a protein supplement. Feeds used as supplement were cottonseed meal, linseed meal, soybean meal, peanut meal, corn gluten meal, tankage, wheat bran and alfalfa hay. The cattle used were the same identical ones as were fed in the calf lots a year before. Each lot was fed the same kind of feed. It was noticeable that lots which made the smallest gains on certain feeds in the 1935-36 wintering period, also failed to come up to average in 1936-37, and as a consequence had fallen behind the other cattle considerably by this spring.

One pound daily of each of the meal feeds was fed to each animal. Three

meal, soybean oil meal, wheat bran and alfalfa hay in a narrow range. Linseed meal cost considerably more for calf weight gains, peanut oil meal was even higher, and the most expensive was tankage. However, the calves ate the tankage readily after they were accustomed to it.

Apparently alfalfa hay and silage is as good a wintering ration as can be obtained for calves or yearlings, particularly if the alfalfa is grown on the farm. Altho the series of experiments are not completed, it looks as if peanut oil meal and tankage are not satisfactory protein supplements for wintering. These experiments should not be interpreted, however, to indicate the value of these feeds in fattening rations, as the experiment did not cover that phase.

Dr. McCampbell pointed out two advantages in feeding protein supple-

### Detailed Results

If you wish to have detailed results on the feeding experiments at the Hays Experiment Station, they will be sent free on request. Ask Kansas Farmer for a copy. These results will prove valuable from time to time in planning cattle handling rations. Every farmer handling stock cattle can afford to acquaint himself with them.

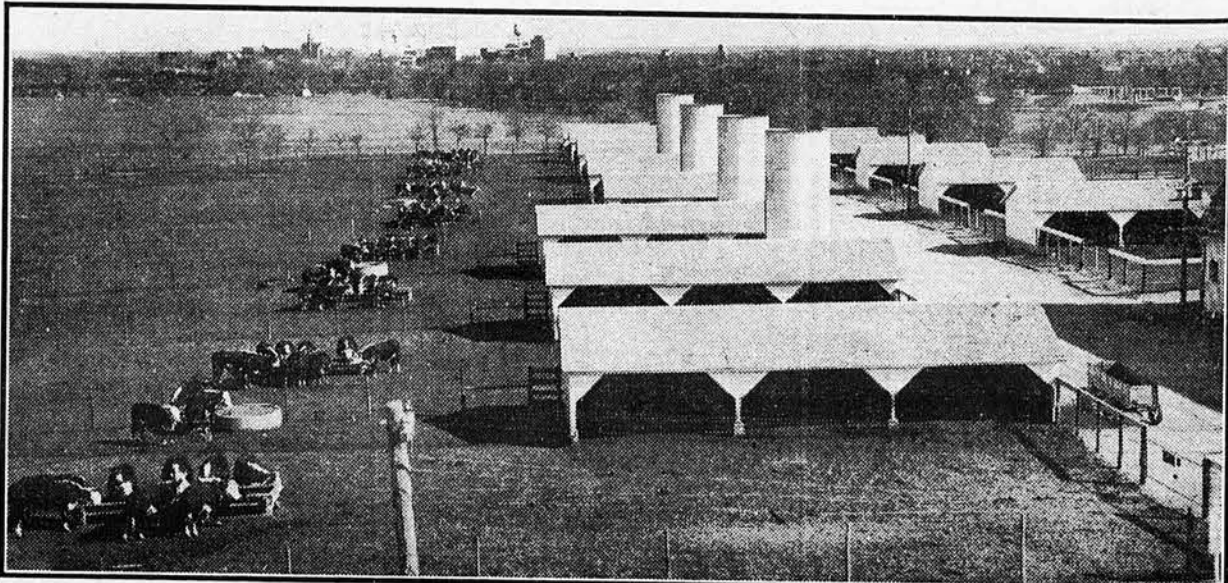
ments to cattle. Only protein feed can be used by the animal to build protein tissue which is the primary make-up of muscular tissue. Furthermore, an animal will get more good out of other feeds eaten, if there is sufficient protein in the ration.

The crowd of farmers which packed the farm building at the Hays Station was pleased to find that President F. D. Farrell, of Kansas State College, was with them. Mr. Farrell pointed out that only the fit methods of farming would survive in any country. He cited particularly the 25-year records of A. L. Hallsted at the Hays Station, which proved beyond doubt that wheat seeded in dry soil has little chance of making a desirable yield, while that seeded in soil with 3 feet or more of moisture has very good chances of yielding well. Mr. Farrell said that this one finding alone would be worth more to any one county in Western Kansas, than the entire cost of supporting the Hays Station since its beginning.

### Cottonseed as a Supplement

One of the good features of the program was a talk by M. L. Baker, in charge of beef cattle investigations at the North Platte station in Nebraska. Mr. Baker reviewed experimental work done in Nebraska in connection with feeding cottonseed meal as a supplement to prairie hay for wintering rations for heifers. All of the heifers in every lot were bred to calve first as 3-year-olds. One lot was fed a pound daily of cottonseed meal the first winter. While this gave greater gains that winter it did not prove worth while in the long run. Another lot fed a pound of "cake" daily the first three winters did show greater mature weight, the heifers' calves were larger, and they showed generally better condition. However, there was no difference in the thrift or vigor of the calves, except that those from hay-fed heifers were smaller. Feeding steamed bone meal in a mixture with salt gave slightly improved results over hay alone.

After the general beef meeting, the entire group was taken to a nearby field where L. E. Aicher, superintendent of the Hays station, explained and had demonstrated, various tillage methods in connection with basin listing. A middle-buster and a spring-tooth harrow were being used to level the basin-listed land. Each was doing a good job. "Dam-busters" are used in front of wheels which must run in the furrows. These are shovels which break down the old dam so that the implement being used won't be lifted out of the ground as it rides the dams.



Eight lots of yearling steers and heifers on a wintering ration at Hays Agricultural Experiment Station. These cattle, and 8 additional lots of calves in the pens seen at extreme right, formed the basis for feeding discussions at the big Hays Cattleman's Round-up a few days ago.



# TABLE OF RATES

Words	One time	Four times	Words	One time	Four times
10.....	1.88	2.44	15.....	1.44	4.32
11.....	1.96	2.64	16.....	1.52	4.56
12.....	2.04	2.88	17.....	1.60	4.80
13.....	2.12	3.12	18.....	1.68	5.04
14.....	2.20	3.36	19.....	1.76	5.28
15.....	2.28	3.60	20.....	1.84	5.52
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Box 33 Thomas, Oklahoma  
FROSTPROOF CABBAGE, EACH BUNCH fifty, mossed, labeled variety name, Jersey Wakefield, Charleston Wakefield, Succession, Copenhagen, Early and Late Dutch, postpaid: 200-65¢; 300-75¢; 500-\$1.00; 1,000-1.75. Onion: Crystal Wax, Yellow Bermuda, Sweet Spanish, Prizetaker. Prepaid: 500-60¢; 1,000-90¢; 3,000-\$2.00. Tomato: large, well rooted, open field grown, mossed, labeled with variety name. Livingston Globe, Marglobe, Stone, Baltimore, June Pink, McGee, Earliana, Gulf State Market, Early Detroit, postpaid: 100-50¢; 200-75¢; 300-\$1.00; 500-\$1.50; 1,000-\$2.25. Pepper: Mossed and labeled, Chinese Giant, Bull Nose, Ruby King, Red Cayenne, postpaid: 100-65¢; 200-\$1.00; 500-\$1.75; 1,000-\$2.50. Full count, prompt shipment, safe arrival, satisfaction guaranteed. Union Plant Company, Texarkana, Ark.

**PLANT ASSORTMENT—200 FROSTPROOF** Cabbage, 200 Tomatoes, 200 Onions, 25 Peppers, 25 Cauliflower or Broccoli, Eggplants, Brussels Sprouts, all \$1.00 postpaid. Mixed as wanted 200-50¢; 500-\$1.00; 1,000-\$1.50, postpaid. Express collect 500-\$5.00. Large, tough hand selected. Leading varieties. Mossed, packed in ventilated containers. Prompt shipment. Satisfaction guaranteed. Jacksonville Plant Co., Jacksonville, Texas.

**PLANT COLLECTION—C. O. D. PAY POST-** man. 700 Certified Frostproof Cabbage. Tomatoes. Peppers. Onions. Broccoli. Cauliflower. Eggplants. Brussels sprouts mixed as wanted \$1.00-1.25. 1,000-\$1.25. 5,000-\$5.00. Large plants. Moss packed. Quick shipment. Satisfaction guaranteed. United Plant Co., Jacksonville, Texas.

**PLANTS THAT GROW. THE KIND YOU WILL** like. Frostproof cabbage, onions, tomatoes, peppers, eggplants, brussels sprouts, broccoli: 100-40¢; 200-50¢; 500-\$1.00; 1,000-\$1.75. Sweet potatoes, cauliflower, lettuce, celery: 100-40¢; 200-60¢; 500-\$1.25; 1,000-\$2.00. All prepaid. Southern Plant Co., Ponta, Texas.

**HARDY, FIELD GROWN PLANTS. BROCC-** ocoli, Cauliflower, Cabbage, Onion, Eggplant, Tomato, Pepper, Sweet Potato plants. Moss packed. Shipped anywhere. Safe arrival guaranteed. Largest individual grower. 1500 acres vegetable plants. Descriptive folder. Carlisle Plant Farms, Valdosta, Ga.

**A MILLION STATE CERTIFIED SWEET PO-** tato Plants, open field grown, 1000-\$1.70 postpaid; 3000-\$4.65 postpaid. \$1.25 per thousand express collect. Varieties: Nancy Hall, Porto Rico, and Red Jersey. Roots wrapped. Prompt shipment and Safe Arrival guaranteed. J. R. Wright, Omaha, Texas.

**TOMATO PLANTS. GARDENERS GROW RIPE** tomatoes two weeks earlier with our hardy, field grown tomato plants. Leading varieties grown from best certified seed. \$1.50 per thousand. Largest individual grower. 1500 acres in vegetable plants. Write for list. Carlisle Plant Farms, Valdosta, Ga.

**PLANTS. OPEN FIELD GROWN. SEND NO** money. Pay on arrival. Frostproof cabbage, onions, tomatoes, pepper, cauliflower, broccoli, eggplants, potatoes, 700-\$1.00; 1,000-\$1.25; 5,000-\$5.00. Leading varieties. Mixed as wanted. Texas Plant Farms, Jacksonville, Texas.

**CERTIFIED—ALL LEADING VARIETIES—** Cabbage, Tomato, Peppers, Eggplant, Cauliflower, Broccoli, Beans, Lettuce, Onions, labeled and Mossed. Postpaid: 600-\$1.00; 1,000-1.50; Express Collect 5,000-\$5.00. Grayson Plant Nursery, Whitesboro, Texas.

**SPECIAL: 650 FROSTPROOF CABBAGE.** Onions, tomatoes, peppers, cauliflowers, broccoli, and egg plants, any varieties, mixed like wanted, prepaid \$1.00. Large open field grown, moss packed. Guaranteed. Central Plant Co., Ponta, Texas.

**SEND NO MONEY. PAY POSTMAN. FROST-** proof cabbage, onions, tomatoes, pepper, eggplant, cauliflower, broccoli, potatoes, 700-\$1.00; 1,000-\$1.25; 5,000-\$5.00. Any variety. Mixed as wanted. East Texas Plant Co., Ponta, Texas.

**SPECIAL 100 MASTODONT 90¢; 250-\$2.00;** 1,000-\$6.75. 100 Dorsett or Fairfax 65¢; 250-\$1.35; 1,000-\$3.90. 250 Dunlap \$1.25. 100 Latham or Cumberland Raspberries \$1.50. Lone Beach Nursery, New Buffalo, Michigan.

**RANCHO VERDAD BOYSENBERRY.** World's largest vineberry. Taste resembles raspberry. Hardy. True to name plants prepaid, 10-2.00; 100-\$12.00. Rancho Verdado, Mentone, Calif.—Ardmore, Okla.

**PLANTS: LITTLE STEM JERSEY SWEET** Potato, the kind with merit and quality. Leading varieties Cabbage and Tomatoes. 500-\$1.00; 1,000-\$1.75. All field grown and prepaid. A. I. Stiles, Rush Springs, Okla.

**TOMATO AND SWEET POTATO PLANTS** leading varieties, retail and wholesale 40¢-1.00. \$3.00-1,000. 150 tomato, 150 sweet potato \$1.00 postpaid. Satisfaction guaranteed. Ernest Darland, Codel, Kan.

**SWEET POTATO PLANTS, IMPROVED** Nancy Halls. Strong vigorous, well rooted, 500-75¢, 1,000-\$1.25. Prompt shipment and safe arrival guaranteed. Margrave Plant Farms, Gleason, Tennessee.

## PLANTS—NURSERY STOCK

**CERTIFIED TOMATO, CABBAGE, ONION** Plants, leading varieties. Any assortment. Pay Postman. 500-60¢; 1,000-\$1.00. Varieties labeled, Mossed. Prompt shipment. Jefferson Farms, Albany, Ga.

**NANCY HALL, PORTO RICO POTATO** Plants. Chemically treated 1000-\$1.50; Cabbage and tomato plants 300-65¢; 500-90¢; 1000-1.50. Prepaid. A. O. Bowden, Russellville, Ark.

**LOOK! 300 FROSTPROOF CABBAGE. 200** Onions, 100 Tomatoes, 50 Peppers, 25 Cauliflower, 25 Eggplants, \$1.00 postpaid, guaranteed. All Varieties. Rusk Plant Co., Rusk, Texas.

**CERTIFIED NANCY HALL, PORTO RICO** plants. 1000-\$1.75; 3000-\$5.00; 5000-\$7.50. Prepaid. Mossed. Instructions for growing and storing included. Bryce Woods, Rogers, Ark.

**SEND NO MONEY—PAY POSTMAN: TO-** mato, Cabbage, Onion Plants, any assortment. Roots mossed. 500-50¢; 1,000-90¢. Prompt shipment. Empire Plant Co., Albany, Ga.

**200 FROSTPROOF CABBAGE, 200 ONIONS,** 200 Tomatoes, 50 Pepper, 25 Cauliflower, all for \$1.00, or 1,000-\$1.50 prepaid. Any variety. Smith County Plant Co., Troup, Texas.

**MILLION TREATED NANCY HALL, PORTO** Rico Potato plants. Shipped in ventilated boxes, \$1.00 Thousand, delivery guaranteed. I. L. Dotson, Gleason, Tennessee.

**300 FROSTPROOF CABBAGE, 200 ONIONS,** 100 tomatoes, 50 pepper, 25 cauliflowers, all \$1.00 postpaid all varieties, prompt shipment. Planters Plant Co., Tyler, Texas.

**BIG OPEN FIELD GROWN TOMATO AND** pepper plants. Ready now (no frost or freeze here this year). Free catalogue. Dodge Plant Farms, Raymondville, Texas.

**PAY POSTMAN—TOMATO, CABBAGE, ONION** Plants. Any Assortment. Roots mossed. Prompt shipment. 500-50¢; 1,000-90¢. Postal Plant Co., Albany, Ga.

**TOMATOES, CABBAGE, PEPPER PLANTS.** Strong, homegrown, transplanted, standard varieties. 75¢ hundred, postpaid. Odor's Greenhouses, Iola, Kan.

**NANCY HALL, PORTO RICO SWEET POTATO** plants, wrapped roots, box packed, 500-\$1.00; 1,000-\$1.50 delivered. Paul Jones Rushing, Gleason, Tennessee.

**CERTIFIED TOMATO, CABBAGE AND** Onion Plants 75¢-1,000. Potato, Pepper and Egg Plants \$1.50-1,000. Dorris Plant Co., Valdosta, Ga.

**STURDY FROSTPROOF CABBAGE PLANTS.** Leading varieties. Dozen 10¢; Hundred 75¢. Postage paid. Reliable James Greenhouse, Neodesha, Kan.

**CABBAGE PLANTS \$1.00 per 1000, Tomato;** Earliana, Marglobe, Stone, Pritchard, \$1.25 per 1000. Express collect. H. R. Hedger, Idabel, Okla.

**NANCY HALL, JERSEY, RED BERMUDA** Plants. Roots mossed 100-40¢; 400-\$1.20. Postpaid. Arwood Plant Co., Dongola, Illinois.

**STRAWBERRY PLANTS. DORSETT, PRE-** mier, Fairfax, Dunlap, Aroma, 100-60¢; 1,000-\$5.00 f. o. b. Arlie Woodard, Balcorn, Ill.

**1000 BLAKEMORE STRAWBERRY PLANTS** \$3.00. All leading varieties. Boysberry. Chattanooga Nurseries, Chattanooga, Tenn.

**NANCY HALL, JERSEY, PORTORICAN** plants. Roots mossed. 100-35¢; 400-\$1.00, postpaid. Arlie Woodard, Balcorn, Ill.

**CHOICE GIANT PASCHAL AND GOLDEN** Plume Celery plants, 40¢ hundred prepaid. Hilltop Nursery, Morrison, Illinois.

## BULBS—FLOWERS

**DAHLIAS—12 EXHIBITION VARIETIES** \$1.00; 125 Glads \$1.00; 20 Delphiniums \$1.00; Clarksburg Dahlia Gardens, Clarksburg, Indiana.

**15 VARIETIES IRIS. 75 PLANTS, LABELED,** \$1.00 postpaid. W. Hlands, Salina, Kan.

## FARM SEEDS

**HARDY RECLEANED ALFALFA SEED,** \$11.50; Grimm Alfalfa, \$12.90; White Sweet Clover, \$7.00; Red Clover, \$20.00. All 60 lb. Bushel, track Concordia. Return seed if not satisfied. Geo. Bowman, Concordia, Kans.

**EXTRA QUALITY (120 DAY) YELLOW DENT** \$2.95 bushel. (110 day) Early Large Type yellow \$2.95. (90 day) Early Yellow Dent \$3.20. All 98% germination. Schulze Brothers, Deer Plain, Ill.

**FIELD SEED. WE OFFER SEVERAL VA-** rieties of seed corn, cane, milo, sudan, sorgho, all tested and tagged. Write for prices and description. Young & Haynes, Colby, Kan.

**HONEY DRIP CANE \$2.25; SUMAC \$2.40;** Dargo \$2.50; Sudan \$2.10; German Millet \$2.75; Hegari \$2.10; Blackchill Kafir \$1.95; all per bush



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BE MODERN! GET MODERN SERVICE. modern quality, modern prices. Our modern methods give quick service and bright guaranteed neverfade pictures. Roll developed 16 prints 25c coin, 16 reprints 25c. Enlargement coupon. Send next roll or reprint order to Modern Finishers, Box 35378, St. Paul, Minn.

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**ROLL DEVELOPED, EIGHT GUARANTEED** Prints. Two Beautiful Professional Double-weight Enlargements 25c. Very quick service. Expert Workmanship. Perfect Film Service, LaCrosse, Wisconsin.

**WIN PRIZE. \$100.00 VALUE OFFER. ROLL** developed, 8 guaranteed prints, 2 enlargements, coupon on 8x10 painted enlargements, 25c. Daily service. Midwest Photo, B-31, Janesville, Wis.

**\$100.00 VALUE PRIZE OFFER. ROLL** developed, 8 guaranteed prints, oil painted enlargement, coupon on 8x10 painted enlargement, 25c. Immediate service. Janesville Film, A-31, Janesville, Wis.

**SPECIAL OFFER! 20 REPRINTS FOR 50c.** two beautiful 6x8 enlargements free. Four 5x7 enlargements 25c. Rolls finished, 8 prints 2 enlargements 25c. Nielsen's Studio, Aurora, Neb.

**ROLLS DEVELOPED, TWO BEAUTIFUL** double weight professional enlargements and 8 guaranteed Never Fade Perfect Tone prints 25c coin. Rays Photo Service, LaCrosse, Wis.

**GET THE BEST! ROLL DEVELOPED, BEAU-** tiful hand colored enlargements, 8 Neverfade border prints, 25c coin. Prompt service. Sun Photo Service, Drawer T, St. Paul, Minn.

**GENUINE VELOX FADELESS PRINTS 20** reprints 25c. Four 5x7 enlargements 25c. Roll developed 2 sets prints and colored enlargement 25c. Artshop, K-F-1, Sweetwater, Texas.

**PROMPT SERVICE—QUALITY WORK. TWO** beautiful double weight Gloss Enlargements, eight guaranteed neverfade prints each roll, 25c. Excel Photo Service, Dubuque, Iowa.

**"XL" EIGHT "XL" ENLARGEMENTS FOR** 25c or 16 "XL" prints. Professional quality. Daily service. Coupons. Send rolls to "XL" Service, 52, Luverne, Minn.

**ROLL FILM DEVELOPED AND PRINTED,** including two beautiful double weight olive tone enlargements free. 25c coin. United Photo Service, LaCrosse, Wis.

**ROLL DEVELOPED, EIGHT GUARANTEED** Prints, three Professional Doubleweight Enlargements 25c. Quick Service. Peerless Photo Shop, LaCrosse, Wis.

**ROLL DEVELOPED, TWO PRINTS EACH** and two free enlargement coupons 25c. Reprints 2c each, 100 or more 1c. Summers' Studio, Unionville, Mo.

**TWO BEAUTIFUL PORTRAIT TYPE DOUBLE** weight enlargements, eight guaranteed neverfade prints each roll 25c. Dubuque Film Service, Dubuque, Iowa.

**BEAUTIFUL COLORED ENLARGEMENT** with each film 25c (coin). LaCrosse Film Company, LaCrosse, Wis.

**FILMS DEVELOPED, 25c COIN. TWO 5x7** double weight professional enlargements, 8 gloss prints. Club Photo Service, LaCrosse, Wis.

**ENLARGEMENT FREE EIGHT BRILLIANT** border prints and your roll developed 25c. Camera Company, Oklahoma City, Okla.

**GUARANTEED 20 PRINTS 25c. ROLL** developed, 2 prints each 25c. Introductory offer. Quality Photo, Hutchinson, Kan.

**ROLL DEVELOPED, SIXTEEN BEAUTIFUL** prints, free snap shot album, 25c. Photoart, Mankato, Minn.

**ROLL DEVELOPED, 2 PRINTS EACH NEGA-** tive, 25c. Reprints 2c. Photoshop, Ogden, Utah.

**16 PRINTS FROM YOUR ROLL 25c COIN.** Northtown, Box 46, 2841 Lincoln Ave., Chicago, Ill.

**ROLLS DEVELOPED, 16 GUARANTEED** Prints 25c. Smart Photo, Winona, Minnesota.

**ROLL DEVELOPED, PRINTED 15c. RE-** prints 1c. Howards, 2947 Jarvis, Chicago.

**BE MODERN! GET MODERN PICTURES.** Modern Finishers, St. Paul, Minn.

**TOBACCO**

SAVE ON YOUR TOBACCO—BUY DIRECT from our factory "Kentucky Pride" manufactured Chewing, 30 big Twists, sweet or natural, \$1.00. 30 full size Sacks Smoking, extra mild or natural, \$1.00. 24 full size Sweet Plugs, \$1.00. Satisfaction guaranteed. Murray Tobacco Co., Murray, Ky.

**HOMESPUN TOBACCO: JUICY RED CHEW-** ing, 10 pounds \$1.50; mellow Smoking, 10 pounds \$1.25. Box twist or box cigars free. Guaranteed good. Farmers Union, Mayfield, Ky.

**GUARANTEED CHEWING, SMOKING OR** Cigarette tobacco, five pounds \$1.00, ten \$1.75. Pay when received. Pipe and box cigars free. Carlton Tobacco Company, Paducah, Ky.

**POSTPAID, 20 BIG TWISTS SWEET OR NAT-** ural and 20 old fashioned sweet plugs all for \$1.00. Guaranteed. Tom Cash-Bee, Fancy Farm, Ky.

**POSTPAID: HIGHEST GRADE CHEWING, 10** lbs. \$1.50; Smoking \$1.25. S. Gallimore, Dresden, Tenn.

**LIVESTOCK REMEDIES**

FARMERS! EVERY HORSE SHOULD BE capped for bots and worms. Write for free booklet on "A SUR-SHOT" Capsules. Agents wanted. Fairview Chemical Company, Desk F., Humboldt, So. Dak.

**ABORTION: LASTING IMMUNITY ONE VAC-** cination. Government licensed. Money back guarantee. Free abortion literature. Farmers Vaccine Supply Company, Department P, Kansas City, Mo.

**PATENT ATTORNEYS**

INVENTORS—WRITE FOR NEW FREE BOOK "Patent Guide for the Inventor" and "Record of Invention" form. No charge for preliminary information. Clarence A. O'Brien and Hyman Berman, Registered Patent Attorneys, 150-E Adams Building, Washington, D. C.

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**FARM MACHINERY**

TWO 1930 G-P JOHN DEERE TRACTORS; One 1930 D Rubber tires; one 1929 D; One 5 Ton Holt Monarch track laying tractor; two 20 Farmalls, 16-30 Oil Pull, 15-30 McCormick-Deering, Rumely DuAll, 30 Hart-Parr, Toro Tractor, Several Fordsons; 2 Limestone Pulverizers, 28 in. Rumely Steel Separator; 23 in. Altman-Taylor wood separator; Rumely 10 ft. combine; Minneapolis-Moline 12 ft. combine; Three-row G-P tractor planter, Farmall lister, Two-row lister, corn and potato planters, Two-row rotary hoe, Three-row tractor rotary hoe; Tractor plows, sulks, gangs. What do you need? Green Brothers, Lawrence, Kans.

**WATERPROOF COMBINE CANVASES.** Roller Hold-downs, Rubber Belt rubber silt feeder house raddles, Windrow Pickup, Baldwin Repairs, Hard surfaced Ramps, Folding tractor woodsaws, Lumber mills, Lockpin Trailer Hitch (whippers), Richardson, Cawker, Kans.

**SAVE MONEY. STOP WEIGHT LOSSES WITH** a Smith Rotary Weigher, Gravity Operated. Dependable. Accurate weight on grain, limestone, grass seed. Write Smith Rotary Weigher Co., Springfield, Iowa.

**40 INCH USED CASE SEPARATOR, ROLLER** bearings cylinder shaft, \$350.00; 28 inch used Avery separator, \$650.00. Other separators, combines and tractors. Wichita Avery Company, Wichita, Kan.

**1936 MODEL L CASE ON RUBBER, 1936** model C Case, 3 bottom Case plow, No. 8 twelve foot International combine, all in good condition. White Deal, Route 3, Winfield, Kan.

**BARGAINS IN USED COMBINES AND USED** tractors, different makes. Also bargains in Western Kansas lands. Kysar & Sons, Wakeeney, Kan.

**ALL KINDS OF USED TRACTORS, COM-** bines and machinery. Allis-Chalmers dealer, Weidner Bros., Minneapolis, Kan.

**USED GLEANER BALDWIN COMBINES,** Tractors and farm machinery, Shaw Motor Company, Grainfield, Kansas.

**30-60 OIL PULL AND 36-60 RUMELY STEEL** separator, all ready to go, \$100. Herman Regier, Moundridge, Kan.

**FOR SALE: 30-60 LATE TYPE OIL PULL;** 36-60 ball bearing separator. Hugh Millson, Douglass, Kan.

**JOHN DEERE MODEL A TRACTOR, JOHN** Deere three row tractor lister, Jeter & Skoog, Lyndon, Kan.

**USED AND REBUILT TRACTORS, MILK** Skala Tractor Sales & Service, Munden, Kan.

**TRACTOR—AUTO PARTS**

EVERY TRACTOR OWNER NEEDS IRVING'S 84 page 1937 tractor replacement parts catalog. Absolutely free. Thousands of parts, all makes; tremendous price savings. Irving's Tractor Lug Co., 122 Knoxville Road, Galesburg, Illinois.

**FOR SALE: USED 17-28 TWIN CITY TRAC-** tor parts; 20-30% new price. Grover Lee, Pratt, Kan.

**SEPARATORS**

**Free Cream Separators!**

Be one of the five lucky farmers to get a new 1937 streamlined Stainless Anker-Holth Separator. FREE! Send postal for FREE ENTRY BLANK and HOW TO CUT SEPARATING COSTS IN HALF! Address Anker-Holth, Box Room T 1, Port Huron, Mich.

**BATTERIES**

EDISON STORAGE BATTERIES FOR LIGHT-power plants, fifteen year life, five year unconditional guarantees. Low prices. Write for 30 day free trial offer. See-Jay Company, 72 Sterling Avenue, Yonkers, N. Y.

**FARM LIGHT SUPPLIES**

AIR ELECTRIC LIGHT PLANTS, 32, 110 volts; 2500 watts, 5 and 10 year batteries. Free literature furnished. Sales Supervisor, 1538 So. Broadway, Wichita, Kans.

**HOMEBUILT 6 to 32 VOLT WIND LIGHT** plants, Propeller generator, battery, wiring instructions, 25c. Currier Mfg. Co., 441 Terminal, Minneapolis, Minn.

**ELECTRIC FENCE**

SUPER-ELECTRIC, SIMPLEST INVENTION for Electric Fencing. Time-proven, Efficient, Safe, Low-Priced, Guaranteed. Information Free. Distributors and Farmer Agents wanted. Write Super-Electric Fence, Chicago, Ill.

**I-WIRE ELECTRIC FENCE CHARGERS, BATTERY,** electric. Farm Agents wanted. Heidger Manufacturing Co., Rt. 4, West Allis, Wis.

**ELECTRIC FENCE CHARGERS**

FENCING COSTS SLASHED TO AS LOW AS \$5.00 a mile with new Electric Fence and single used barb wire, driven stakes. Safe six volt current holds stock. Ordinary dry cells last for many months. Sent on 30 day trial. Agents Wanted. Sensational low price. Parker-McCroy Mfg. Co., 47-DX, Kansas City, Mo.

**WATER WELL CASING**

THOMPSON PERFORATED WELL CASING produces more water because it has a greater perforated area. Supplied in all diameters and gauges, both perforated and plain, and in riveted, lock seam or welded construction. Thompson also manufactures steel pipe, metal flumes, measuring flumes, water gates, steel tanks, smoke stacks, etc. Prices and catalogs on request. Write us today. Established 1878. The Thompson Manufacturing Co., 3011 Larimer Street, Denver, Colo.

**DOGS**

ENGLISH SHEPHERD PUPPIES, SPECIAL prices. H. W. Chestnut, Chanute, Kansas.

ENGLISH SHEPHERD PUPPIES, NATURAL heeler strain. Ed Barnes, Collyer, Kan.

**PET STOCK**

PEAFOWL, PHEASANTS, BANTAMS, PIG- eons. Breeding stock, eggs. John Hass, Bettendorf, Iowa.

**EDUCATIONAL**

No school advertising under this heading has any connection with the government.

"UNCLE SAM JOBS. START \$105 TO \$175

**BUSINESS OPPORTUNITIES**

GRAIN ELEVATOR LOCATED AT GENOA, Colorado, for sale or trade for livestock, Kansas land or city property. Write, E. S. Chivington, Dresden, Kan.

**HELP WANTED**

CASH COLLECTING HERBS, ROOTS, BARKS. We teach you. Details 10c. U. Merritt, 1752 Nicholson, St. Louis, Mo.

**PRINTING**

FOR \$1 WE WILL PRINT AND MAIL YOU 100 bond letter heads and 100 envelopes pre-printed. All kinds of printing at low cost. Case Printing Co., Wright City, Mo.

**SEWING MACHINES**

SEWING MACHINE BARGAINS: ALL MAKES, new, rebuilt, at 1/2 original price. Guaranteed to give same service as new. A money back guarantee that means something. Send stamp for prices and descriptions. Dick Eldredge, 5137 Waterman, St. Louis, Mo.

**SPARROW TRAPS**

SPARROW TRAP—GET RID OF THESE pests. Any boy can make one. Plans 10c. Sparrowman, 1715-A West St., Topeka, Kan.

**FROG RAISING**

**FREE BOOK RAISE GIANT FROGS**

EASY TO START! GOOD MARKET! WE BUY! Frog legs in big demand at good prices the year round. Small pond starts you. Men & Women see what others are doing. Free frog book explains unusual offer to beginners. AMERICAN FROG CANNING CO. (10-E) New Orleans, La.

**LAND—COLORADO**

FOR SALE—ROCKY MT. RANCH, 640 ACRES in Colorado. Ideal dude ranch, 15 miles from State Highway. Bargain, 70 acres farm meadow land. Subirrigated, good roads. Josephine Wilson, Florence, Colo.

**LAND—IDAHO**

BARGAINS IN IDAHO GRASS AND STOCK Farms. W. E. Swengel, Minidoka, Idaho.

**LAND—KANSAS**

FORECLOSED KANSAS FARM FOR SALE—Famous Groves (Potato King) Farm—320 acres on highway thirty-two and interurban, 180 acres is best potato land in Kansas—practically entire balance cultivatable and extremely fertile. Situated thirteen miles west Kansas City in Wyandotte County. Well improved—22 room modern residence, two cottages, one large barn and other improvements. Must be seen to be appreciated. Will sacrifice for immediate sale. For details and price write W. P. Kenny, 2433 Olive Street, Kansas City, Missouri, or phone Chestnut 4777.

FINE FARM—160 ACRES, 3 MILES TOWN, level land, well fenced, modern house, large barn, an estate, possession any time, \$12.50 per acre. T. B. Godsey, Emporia, Kans.

FARM NORTHEAST KANSAS. WRITE TRIM- ble & Dignan, Sabetha, Kan.

**LAND—MISCELLANEOUS**

BE INDEPENDENT ON A VERMONT FARM. Profitable opportunities for diversified farming. Dairying, apple culture, maple products and staple crops are fruitful because of high yield and strategic markets, with minimum hazard from extremes of weather or season. Free of- ficial literature. Vermont Publicity Service, Room D-1, State House, Montpelier, Vermont.

FEDERAL LAND BANK FARMS FOR SALE. We have farms and ranches in Kansas, Oklahoma, Colorado and New Mexico. Priced on actual value. Sold on convenient terms. Favorable interest rate. No trades. Tell what locality you are interested in and we will mail you farm description. Federal Land Bank of Wichita, Wichita, Kan.

NEW FARM OPPORTUNITIES! WASHING- ton, Idaho, Montana, North Dakota, Oregon, Minnesota. Farm income is up. Good land still at rock bottom prices. Literature. Specify state. J. W. Haw, 81 Northern Pacific Railway, St. Paul, Minn.

THE GREAT NORTHERN SERVES AN AGRI- cultural empire where rents, prices and operating costs are low in Minnesota, North Dakota, Montana, Oregon, Idaho and Washington. Write for Free Book, E. C. Leedy, Dept. 502, St. Paul, Minnesota.

**REAL ESTATE SERVICES**


SELL YOUR PROPERTY QUICKLY FOR cash no matter where located; particulars free. Real Estate Salesman Co., Dept. 510, Lincoln, Neb.

## Experiments With Pasture

A noteworthy series of pasture experiments is being carried out by Neil Rucker, on the Rucker land near Burdett. There is a lot of pasture land on the 13 quarter-sections belonging to this family and several different methods of furrowing and contouring have been used this spring. A 3-bottom lister, with the center lister removed was run on the contour leaving a few feet between each pair of furrows. A 5-row summer-fallow machine, which has small lister bottoms every 20 inches and is equipped with a damming attachment, was used solidly on about 50 acres. The primary idea is to catch and hold moisture. The amazing thing, is that in most cases where work of this kind was done the last 2 summers, buffalo grass has filled in the furrows and made much more growth than on unmolested pastures.


## Alfalfa Acreage Increased

Washington county farmers are taking advantage of the agricultural program and intend to increase their alfalfa acreage this year. Many old stands will be plowed under as soon as the new stands are obtained.



**IN THE FIELD**

Jesse B. Johnson  
John W. Johnson  
Capper Farm Press  
Topeka, Kansas



I. B. Tokol, Dighton, Kan., is advertising Brown Swiss cattle in this issue of the Kansas Farmer. They are registered.

Henry Weimers, Diller, Nebr., is advertising registered Hereford hogs in this issue of Kansas Farmer. Write him for printed literature and prices.

Col. Frank C. Mills, Alden, Kan., writes to say that he has helped on several pure bred sales the past winter and that his farm sale business has been very good this spring.

Peterson & Sons, Osage City, Kan., are pioneer breeders of O. I. C. hogs on their farm near there. They are frequent advertisers in Kansas Farmer and are advertising in this issue.

Col. J. P. Oliver, Newton, Kan., passed away recently at his home in Newton at the age of 78. Col. Oliver has served that vicinity as a local auctioneer for more than 40 years.

A. J. Turinsky of Barnes, Kan., is in the market for good milking bred registered Shorthorn cows. Mr. Turinsky has heading his herd at this time Cyrus Queenston. Anyone having cows for sale should write Mr. Turinsky.

Virgil Smith, Fairbury, Nebr., is offering a registered Milking Shorthorn sire that he is thru with that weighs 2000, a nice dark roan and with plenty back of him in production. Note his advertisement in this issue of Kansas Farmer.

W. R. Carlisle, Toronto, Kan., is advertising a registered Milking Shorthorn bull for sale in this issue of Kansas Farmer. He is recorded as Rainbow Dairy King 8th and is a son of Rainbow Dairy King 2nd and bred by the Rainbow Milking Shorthorn farm, Neodesha, Kan.

The dispersal sale of the Robert H. Hazlett estate herd of registered Herefords at El Dorado, Kan., starting June 15 and continuing until all of the cattle are sold, is advertised in this issue of Kansas Farmer. For the sale catalog address, Robert H. Hazlett estate, El Dorado, Kan.

S. E. Riddle, Topeka, Kan., is dispersing his registered Jerseys at the Riddle farm, one mile west and three miles north of the Boys Industrial School, north of Topeka, next Monday, May 10. There are eleven cows milking in this offering. Also two herd bulls and some calves.

Mr. John Thorne, veteran Shorthorn breeder of Edwards county, is starting his advertisement again in this issue of Kansas Farmer. Mr. John Thorne, Kinsley, Kan., is a good breeder to patronize when you want Shorthorns. Look up his advertisement in this issue of Kansas Farmer.

Norman Gross, Russell, Kan., is advertising in this issue of Kansas Farmer, registered Percheron stallions, three years old and some mares, also registered. Mr. Gross is a well known livestock breeder in Russell county for years and you had better write him about these Percherons.

Mr. A. Dohm, Grinnell, Kan., breeder of registered Duroc hogs at that place is advertising a registered Duroc sow, bred to a good boar to farrow about July 25. Also some weaning pigs at \$10 per head that are choice. Registration papers with them all. Look up his advertisement in this issue of Kansas Farmer.

In the annual Missouri Shorthorn breeders sale at Columbia, recently, 45 cattle averaged \$91.00. The 26 bulls averaged \$110.00. Earl Clemmons, Waldo, Kan., was a buyer in the sale and secured Missouri Supreme, consigned by the University of Missouri, paying \$265.00 for him. This was the Missouri association's third annual sale.

Louis Muckenthaler, Paxico, Kan., is advertising his Polled Shorthorn herd bull for sale, because he can't use him longer, in this issue of Kansas Farmer. He also has for sale a son of Royal Monarch, 8 months old, a nice roan calf. Royal Monarch was sired by Shady Brook Monarch, grand champion, International in 1931. Here is an opportunity to buy a used sire at a fair price.

John Thorne, Kinsley, Kan., a veteran breeder of registered Shorthorns, and who advertises when he has anything for sale, in Kansas Farmer, is starting his advertisement in this issue. He has two nice bulls, reds and of serviceable age, for sale. He also is offering for sale a few cows. Better write him or visit the farm and investigate if you are in the market for Shorthorns.

C. B. Palmer, successful breeder and exhibitor of registered Chester White hogs, has moved to a farm recently purchased near Wilsey, Kan. Mr. Palmer reports the recent sale of a choice young boar to Mr. Clarence Shane of Alta Vista, Kan. He still has a few good boars and gilts for sale. Henry Wiemers of Diller, Neb., reports a big demand for Hereford hogs, among recent sales is a boar to M. H. Peterson of Assaria, Kan.

Nebraska's leading herd of registered Red Polled cattle is located at Burchard, just over the line a few miles. The herd has been established over twenty years and for more than half that time stock from the herd have been winning. Mr. Sloan and his sons showed the grand champion cow at the Chicago National in 1931 and 1936. Anyone in the market for good stock of this breed should get in touch with the owners of this herd at once.

The Arcola Ranch, Brookville, Kan., is located five miles west of that place on U. S. Highway 40. It is about 25 miles west of Salina, Kan., on this same prominent highway. It is a mighty good place to look for the Hereford bull you want and strong in Anxiety 4th breeding thru the Dominos, Advance Mischief families. They have a nice lot of bulls of all ages that are being priced reasonable. Look up their advertisement in this issue of Kansas Farmer.

B. M. Hook & Sons, Silver Lake, Kan., sold an unusually choice offering of registered Duroc boars and gilts at auction at that place April 21. There was a good crowd out and the boars and gilts went largely to northeast and north central Kansas buyers. The top boar brought a little over \$50.00 and the top gilt \$39.00. The



## DUROC HOGS

### Reg. Duroc Hogs for Sale

One reg. sow, bred to good boar to farrow about July 25, price \$40. Weanlings, \$10 each. Papers with everything.  
A. DOHM & SONS, GRINNELL, KAN.

### Miller Durocs Feedlot Champions

Reg. and immuned fall boars. Shipped on approval. The lowest, dark red, easy fattening kind. Excellent breeding. Clarence Miller, Alma, Kan.

## 30 BRED GILTS

Superior bloodlines. Boars all ages, rugged, heavy boned, shorter legged, easier feeding, medium type kind. Shipped on approval, reg. Stamp for catalog. Photos.  
W. R. Huston, Americus, Kan.

## HAMPSHIRE HOGS

### Hampshire Fall Boars

Easy feeding, quick maturing, registered fall boars ready for service.  
Quigley Hampshire Farms, Williamstown, Kan.

## HEREFORD HOGS

**Hereford Hogs, Polled Hereford Cattle**  
Gilts due in September, pigs at weaning time. Vaccinated, \$35 per pair. Choice Polled bulls one a yearling, Suffolk and Cheviot rams, all ages. Write for catalog.  
HENRY WIEMERS, DILLER, NEBR.

## O. I. C. HOGS

### Pedigreed O.I.C. Pigs

BLOCKY TYPE.

PETERSON & SONS, OSAGE CITY, KAN.

## BLACK POLAND CHINA HOGS

### Boars by Pathway

The 1936 Kansas grand champion, that are extra choice. They are September boars, well grown and good. Also some weanlings of best of prize winning breeding.  
GEO. GAMMELL, COUNCIL GROVE, KAN.

## CHESTER WHITE HOGS

### Fall Serviceable Boars

Bred gilts and gilts with litters and weanling pigs, either sex. Five miles west on 40, 5 miles north of Russell, Kan.  
MARTIN CLAUSSEN, RUSSELL, KAN.

## SHORTHORN CATTLE

**Two Reg. Shorthorn Bulls**  
of serviceable age, reds and good individuals in breeding condition. Also a few cows.  
JOHN THORNE, KINSLEY, KAN.

## H. C. SWEET, STOCKTON, KAN.

Breeder of Scotch and Scotch topped Shorthorn cattle and Hampshire hogs. Best of blood lines, only the tops sold for breeders. Stock for sale.  
Visitors Welcome—Office in Town

## POLLED SHORTHORN CATTLE

**Clippers and Brown dales**  
Chicely bred bulls and heifers. 20 registered Polled Shorthorn Bulls. Some show type. Halter broke.  
J. O. BANBURY & SONS, PLEVNA, KAN.

### Royal Monarch For Sale

A splendid sire, but can't use him longer. A nice red, weight 1,040. Also an 8 months son of his. Registered Polled Shorthorns. Louis Muckenthaler, Paxico, Kan.

## MILKING SHORTHORN CATTLE

### BULL FOR SALE

Rainbow Dairy King 8th. Bred by Bunting & Peck. Sire Rainbow Dairy King 2nd, dam Rainbow Cindrella. W. R. CARLISLE, Toronto, Kan.

### Reg. Milking Shorthorn Sire

Dark roan, wt. 2000. Age 5 years. Dam's record 10,810-454. Also young bulls.  
VIRGIL SMITH, FAIRBURY, NEBR.

**SHORTHORN BULLS FOR SALE**  
from 8 to 24 months old. Sired by MEADOW STAR, out of good producing milk cows, with lots of beef qualities. Priced reasonable.  
A. E. Emrick, Pritchett (Bacon County), Colo.

## JERSEY CATTLE

## DISPERSAL SALE

### REG. JERSEYS

### SALE AT RIDDLE FARM

1 Mile West, 3 North, Boys' Industrial School  
Topeka, Kan., Monday, May 10  
11 head in milk, 2 to 8 years old. Bulls, Volunteer Sultan, 4 1/2 years old and Xenia Sultan bull, 18 months old. Longview breeding. Some young calves. Federal Tb. tested and Bang's disease tested.

### To Avoid Inbreeding

We offer for sale or trade, 6-year-old Jersey bull, registered. His dam's record 529 pounds of butterfat, twice a day milking. Price \$100. Will trade for bull equally as good. PAUL WISE, WINFIELD, KAN.

## HOLSTEIN CATTLE

### Dressler's Record Bulls

From cows with records up to 1,018 lbs. fat. We have the highest producing herd in United States, averaging 653 lbs. fat.  
H. A. DRESSLER, LEO, KAN.

## GUERNSEY CATTLE

### Reg. Guernsey Bulls

for sale. Six to 24 months old. Popular breeding. Prices, \$50 to \$150. Tb. and Bang's accredited.  
TOM COOPER FARM, ARDMORE, OKLA.

## BROWN SWISS CATTLE

### FOR SALE

### BROWN SWISS BULLS

G. D. SLUSS, R. 1, EL DORADO, KAN.

### Brown Swiss Cattle

for sale. Registered 6-year-old cow and her 30-day-old calf. Also 2-year-old heifer, recently bred.  
L. B. TOKOL, DIGHTON, KAN.

Hooks have around 70 spring pigs that are coming along nicely. Homer Rule of Ottawa, assisted by local auctioneers did the selling.

In Kansas Farmer, April 24, Geo. Gammell's Poland China advertisement appeared under our Spotted Poland China head by mistake and George writes that he has several inquiries about Spotted Poland. Mr. Campbell breeds only Black Poland. He has a fine lot of boars weighing 200 to 250 and is pricing them at from \$32.50 to \$40. Just as choice blood lines and individuality as there is to be found anywhere. Look up his advertisement under Poland Chinas in this issue of the Kansas Farmer.

Harry H. Reeves, Pretty Prairie, Kan., secretary of the Kansas Milking Shorthorn Society, requests that all who are interested as consignors to the society's June consignment sale notify the district committee at once. But you can write to Mr. Reeves and he will be glad to furnish you the desired information. But the time is short and you should write him at once so that your cattle can be inspected for the sale. The date is June 12 and the place at which the sale will be held will be announced very soon.

Martin Claussen, Russell, Kan., breeds Chester White hogs and has advertised in Kansas Farmer whenever he had surplus stock for sale now for several years. Mr. Claussen is starting his advertisement again with this issue. In sending in the copy he gave us the names of a number of sales he has made recently. C. O. Schriener, Windon, Kan., McPherson county, bought five gilts; Cecil Charles, Redwing, a gilt; Otto Whitmer, Redwing, two gilts; Kunze Bros., Randolph, Kan., two boars; Bob Harrell, Paradise, Kan., two gilts; I. W. Zimmerman, Abbeville, Kan., a boar; Keith Sexson, Weskin, Kan.

Geo. W. Schuetz, president of the Kansas Guernsey breeders association, and his two sons are making good progress growing and developing registered Guernseys on their farm near Horton, Kansas. The herd was established about 15 years ago with a few Langwater cows purchased in Wisconsin. This line of breeding has been continued and both bulls now in service are bred along these lines. The herd has been on DHIA test for seven straight years and many fine breeding animals have been sold from the farm. Representatives of this fine herd will be on exhibit at the district show to be held in Hiawatha May 4.

As was expected the annual black and white spring show at Sabetha, Kan., Thursday, April 29, was very much of a success. Miss Aloha Warner, Fairview, won in the Milkmaid contest and the title "Miss Bovine America" went to Lady Skylark Alcartra Conductor. She is owned and was exhibited by Harvey Bechtelheimer, also of Fairview. The grand champion cow of the northeast Kansas show was Lady Ella Colantha Segis, a prized Holstein cow owned by Collins & Menold of near Sabetha. It was another great day for Sabetha and the show, and cute cow and milkmaid contest there Thursday completed the Holstein spring show campaign.

Out in Baca county, Colorado, right in what is considered the "Dust Bowl" of the country, A. E. Emrick continues to breed high class registered dual purpose Shorthorn cattle. The separated milk used to grow calves, pigs and chickens and the cream sold in nearby towns helps to keep up family expense. The herd was founded about 12 years ago. Much of his breeding herd traces to the great bull Filippa General. He has many big fine roan cows that would make heavy fat records under more favorable feed conditions. It, however, speaks a lot for the courage of Mr. Emrick and his family to see him continue when conditions have been so bad. Just now he has some good young bulls ready to sell and he is offering them at very reasonable prices.

On his Solomon valley farm near Stockton, Kan., H. C. Sweet is making a decided success growing registered Shorthorn cattle and Hampshire hogs. The bull now in service is a grandson of the noted bull Marshall Joffe and his dam was a Cruickshank Golden Morn cow. His foundation Hampshire came from the herds of Levi Burton of Bartley, Neb., and Earney Quigley of St. Marys, Kan. He has several good litters now by the noted Quigley boar Peter Pan. Others by his own boar New Issue, a son of the great boar The Cavalier, (Junior Grand Champion at Nebraska, Iowa and other state fairs.) The herd sows carry the blood of such great sows as V-A's Baby Grand Champion and undefeated last year. About 100 pigs are expected from the sows now farrowing. About 200 are grown on the farm each year. Fifty per cent of the tops go out to improve herds, the rest are fattened for market.

The writer knows of no Kansas Holstein herd that is building faster than is the Bechtelheimer herd located near Fairview in Brown county. The herd was founded by purchasing the top cows in the Collins-Sewell herd, known for years as the greatest herd in Northern Kansas if not in the entire state. Every animal except six in the present herd is closely related to a very remarkable cow of this purchase. This cow had a yearly record of 553 lbs. of butterfat, and after she was thirteen years old made over 400 lbs. in one year. The bull now heading the herd is a Carnation Farms bred bull weighing over a ton in ordinary flesh. His helpers are very promising. This bull's two nearest dams averaged 28,677 lbs. of milk yearly and 1191 lbs. of butter. His dam 707 lbs. of butter and gave 13,867 lbs. of milk as a two year old. He is a grandson of the All American bull, Carnation Matador Masterpiece for 1935. The Bechtelheimer herd is the only Holstein herd in Northeastern Kansas District in the Holstein herd test. This herd is making real Holstein history for Kansas and will continue to do so.

The Sunnyvale Farms Shorthorn Sale, Arkansas City, Kan., April 20, failed to realize values in keeping with the quality of the offering. The rather low prices were largely due to threatening rain throughout the entire day. The general average on thirty head, many of them calves, was slightly less than \$100.00. The top bull, Sunnyvale Royal 2nd, an extremely thick blocky son of Brownale Royal was purchased by Geo. Schatz of Tonkawa, Okla. J. L. Gant of Medicine Lodge, owner of one of the best commercial herds in Kansas secured the exceptional young bull, Sunnyvale Type. This bull will follow two other Sunnyvale bulls in that good herd. E. A. Meyer of Anthony, Kan., secured Sunnyvale Avon 2nd, the youngest calf offered, but an exceptionally promising youngster. He also goes to follow another Sunnyvale bull purchased two years ago. The females were rather widely distributed. Earl Johnson of Mulberry, Ark., secured two exceptional heifers in Collynie Fancy 6th and 7th. W. E. Knapp of Blackwell secured the highest selling cow in the seven year old

Referring to Kansas Farmer's Special dairy issue of April 24, Prof. W. H. Riddell, Secretary of the Kansas Ayrshire club, writes as follows:

Johnson Bros., Livestock Department, Kansas Farmer, Topeka, Kan.  
Dear Johnsons:  
Congratulations on your April 24 issue. From the cover page to the last ad it is an excellent job. I'm saving my copy as a ready reference. It is full of interesting facts. The dairy cattle breeders of the state owe the Kansas Farmer a vote of thanks for a neat job well done. If there is not a record turnout at this year's spring shows, it won't be the fault of your paper. I particularly liked the cover page, with the true type models of the dairy breeds emphasizing "Dairy Perfection" to the reader. It was nicely presented. Incidentally I was happy to see our Ayrshire breeders with a nice display in the advertising section. Would like to have half dozen extra copies of this issue if you have them available.  
Yours truly,  
W. H. RIDDELL, Secretary,  
Kansas Ayrshire Club,  
Manhattan, Kan.,  
April 26, 1937.

Sunnyvale Lavender with a bull calf at foot. Louis Cisneros of Tonkawa, Okla., got one of the best heifers in Collynie Fancy 8th.

Many breeders from that section of the state were present and their interest seemed to center in the inspection of the herd bull Royal Marshal. This bull has proven himself to be an exceptional sire in the herd of H. H. Jones of Arkansas City and the calves by his son Brownale Royal were the attraction of this sale. There is little doubt that when he is mated to the select lot of females retained in the breeding herd, the calves produced will be exceptional. The daughter of John Regier's famous show cow A. L. Princess 6th that has been recently added to the breeding herd was admired by everyone.

## Kansas Dairy Cattle Spring Shows

### Jersey Parish Shows

May 10—North Central Kansas Parish, Manhattan.  
May 11—Central Kansas Parish, Larned.  
May 12—South Central Kansas Parish, Harper.  
May 13—Southeastern Kansas Parish, Oswego.  
May 14—East Central Kansas Parish, Iola.  
May 15—Northeast Kansas Parish, Leavenworth.

### Milking Shorthorns

June 1—Northeast Milking Shorthorn breeders district, Lawrence.  
June 2—Southeast Kansas, Chanute.  
June 3—Central Milking Shorthorn breeders district, Salina.  
June 4—Western Milking Shorthorn breeders district, Dodge City.

## Public Sales of Livestock

### Jersey Cattle

May 17—Percy R. Smith, Lakehill Farm Jerseys, Joplin, Mo.

### Herefords

June 15—Robert H. Hazlett estate dispersal sale, El Dorado, Kan.

### Milking Shorthorn Cattle

June 12—Kansas Society of Milking Shorthorns. Place of sale announced later.

## Old Homestead Sold

The George Hollister homestead, 4 miles east and 2 miles north of Sedgwick, which has been in the family more than 65 years, has been sold to Harry Eshelman, nationally known Percheron horse breeder. George Hollister and his parents homesteaded the place in 1872, and made it one of the show places of Harvey county.

## First to Plant Corn

Lewis Hageman was the first to start his corn planting in the vicinity of Leonardville this spring. Farmers, who have farmed in that community for the last 45 or 50 years, claim that this is the first time during their life that they have bought seed corn.

## Change of Address

Have you moved? Or do you anticipate moving soon? If so, be sure to send us both your old and new post office addresses. By doing this at once you will insure prompt delivery of KANSAS FARMER and save yourself paying forwarding postage on copies sent to your old address.

Fill out the coupon today and send it to us, it is not necessary for you to use a letter and pay 3 cents postage—just paste the blank on the back of a penny post card properly filled out and save 2 cents.

### THE KANSAS FARMER

Circulation Dept.

Topeka, Kan.

Name .....

Old Address .....

Rt. .... Box .....

New Address .....

Post Office .....

State .....

## HEREFORD CATTLE

## Dispersal Sale Hazford Place Herefords

Beginning at 10:00 a. m.

**Tuesday, June 15**

Continuing until all cattle sold.  
For catalog address

**Robert H. Hazlett Estate**  
El Dorado, Kan.

## Registered Herefords

NOW FOR SALE  
BULLS OF ALL AGES  
Anxiety 4th breeding through the Dominos, Spanton, Caldo 2nd, Prince Domino and Advance Mischief families.  
Ranch five miles west of Brookville, 25 miles west of Salina on U. S. Highway 40.  
ARCOLA RANCH, BROOKVILLE, KAN.  
Gene Sundgren, Supt.

WE OFFER FOR SALE  
**Registered Hereford Bull**  
3 yrs. old, sired by Mischief Boy 1846220, Dam, Dora Domino 1503414. Price, \$125. Wayne White, Burlington, Kan.

## POLLED HEREFORD CATTLE

### Polled Herefords

State and National fair winning blood lines. Yearling and two year old bulls for sale.

GOERNANDT BROS.  
Aurora - Kansas  
(Cloud county) Worthmore

## ABERDEEN-ANGUS CATTLE

### 15 CHOICE BULLS

for sale at bargain prices if taken soon. All ages. Choice breeding. KROTZ ANGUS FARMS, ODELL, NEBR. (Only 3 miles north Kansas-Nebraska line.)

## JACKS

**The Home of Champions**  
**60 Registered Jacks**  
Ready for spring service. World's largest breeders. Buy your jack now and have him ready for spring service.  
Hineman's Jack Farm, Dighton, Kan.

## BELGIAN HORSES

### REG. BELGIAN HORSES

JUSTAMERE STOCK FARM  
J. F. Begert, Owner  
Topeka - Kansas

## PERCHERON HORSES

**REGISTERED PERCHERON STALLIONS**  
Three years old, pasture raised. Black and Browns, \$250 each. Aged mares, weights, 1,300 to 1,600 pounds. Browns, blacks and greys, \$150 to \$200 each.  
Norman Gross, Russell, Kan.

## AUCTIONEERS AND SALES MANAGERS

**BERT POWELL, AUCTIONEER**  
Livestock and Real Estate. Ask anyone I have worked for. Write or wire.  
Bert Powell, McDonald, Kan.

**HOSTETTER ENGLE, AUCTIONEER**  
will conduct or assist on purebred livestock sales or farm auctions. (Holstein breeder.) Abilene, Kansas

## KANSAS FARMER

Publication Dates, 1937

May	8-22
June	5-19
July	3-17-31
August	14-28
September	11-25
October	8-23
November	6-20
December	4-18

### Advertising

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

## Livestock Advertising Copy

Should Be Addressed to

**Kansas Farmer**  
Livestock Advertising Dept.,

**Topeka, Kansas**

Kansas Farmer is published every other week on Saturday and copy must be mailed to reach the Kansas Farmer office not later than one week in advance of publication date.  
Because we maintain a livestock advertising department and because of our very low livestock advertising rate we do not carry livestock advertising on our Farmers' Market page.

If you have pure bred livestock for sale write us for our special low livestock advertising rate. If you are planning a public sale write us immediately for our

### SPECIAL PUBLIC SALE SERVICE

## KANSAS FARMER

Topeka, Kansas

John W. Johnson, Manager,  
Livestock Advertising Department



LIBRARY  
MAY 9 1937

# The Tank Truck

News from your Conoco Agent about Farm Fuels and Lubricants

## The Story of GREASE

### No. 3—How Grease Is Made

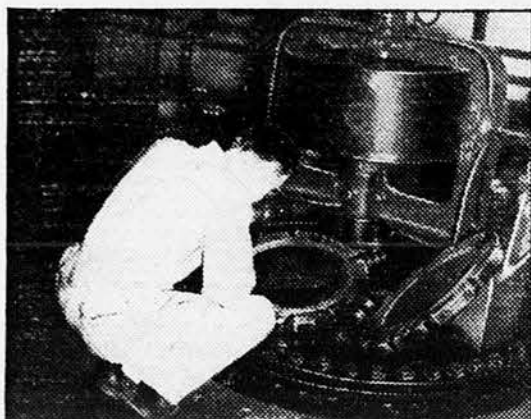
LAST month we told about the importance of quality and purity of the sweet fats, alkalies and lubricating oil used in making good greases. This will tell how the materials are made into greases and show that you must be as particular in your making as you are in getting the best ingredients.

As we said before, grease is semi-liquid soap and lubricating oil, mixed. The sweet fat and an alkali are mixed to make the soap, and the oil is added later.

Let's go to the top floor of Continental Oil Company's modern grease plant at Ponca City, Okla. We start at the top, because that is where the grease-making starts, the natural power of gravity being used to transfer the grease from one kettle to another and finally to the packaging room on the ground floor.

The fat and alkali are weighed on an accurate scale to secure the exact quantities the tested formula calls for. The ingredients are then poured into an enormous seamless pressure-kettle, heated by a steam-jacket. You see the top of this great kettle in the picture. Notice the heavy cover that will be bolted over the opening when the "cooking" starts. Both the temperature and the pressure are carefully controlled. Great paddles revolve inside the kettles to stir the mixture thoroughly.

As soon as the ingredients saponify (turn into soap), a test is made to be sure the soap is right. If the soap



Pure sweet fat has poured into this huge pressure kettle to be cooked with an alkali at high temperature and pressure to form grease soap.

meets all standards, it is let out of the bottom of the kettle into another great kettle below it on the next floor—the open mixing kettle. Some of these huge kettles are heated by steam-jackets, others by direct gas fires. Inside these kettles are sets of mixing paddles revolving in opposite directions.

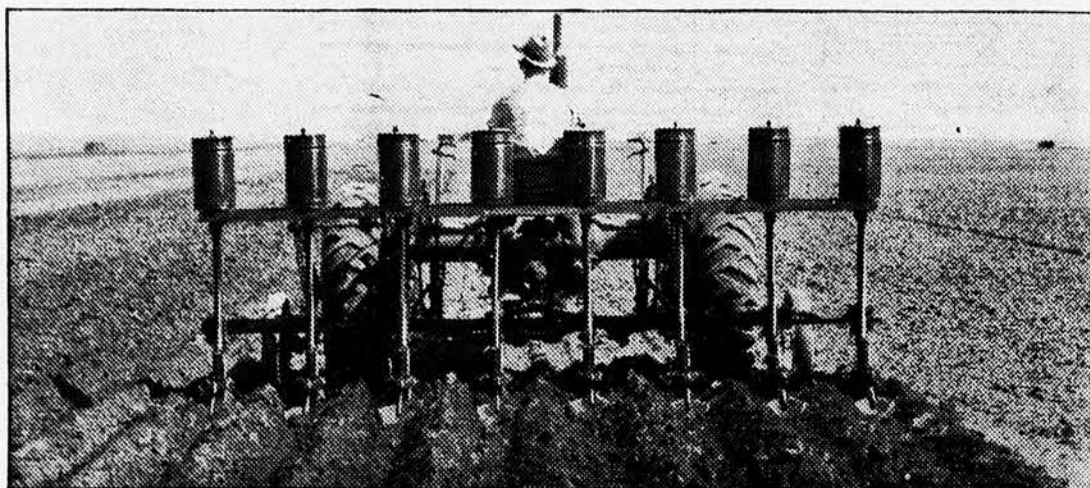


The man standing beside this monster grease kettle gives you some idea of the size of equipment needed for making fine-quality grease. The kettle will mix 14,000 lbs. of grease at one time.

As the soap is stirred, the specified type of lubricating oil is added slowly, under the watchful eye of a grease-maker. After all the oil—about four times the amount of the soap—is poured in, the stirring continues until the soap and oil are perfectly mixed. A sample of the grease is then sent to the laboratory for thorough tests. If the grease passes all tests, it is drained out of the bottom of the kettle, strained through a fine Monel-metal screen with 60 openings to the inch and put up in barrels and cans. The screen guards against any lumps or foreign matter being packed with the grease.

The quality and quantity of materials, the careful cooking and mixing of the soap and the slow, thorough blending of soap with good oil—all these determine the quality and efficiency of the grease. Only in a large and properly equipped grease plant can these things be controlled and checked.

Next month's installment will tell you about the many tests that Conoco Greases must pass in the laboratory.



## Tractors Are Sturdy, But...

YOUR tractor is a sturdy piece of machinery, built to give you long service on a low operating cost. But the length of service and economy of operation you get from your tractor is determined mainly by the kind of oil you use.

A good tractor will run reasonably well on any good-quality motor oil. However, if you want to lower expenses by avoiding repairs, getting more years' use from your tractor and running your oil more hours per drain, you should use Conoco Germ Processed Oil, say farmers who have tried it.

Germ Processed Oil is different from all other oils, because it is made by a patented process owned by Continental Oil Company. This oil actually Oil-Plates every part of your tractor engine, and this Oil-Plating is in addition to a doubly-strong regular oil-film. The result is a long-lasting oil that bears up under heavy strain and greatly reduces wear.

Using Germ Processed Oil, you get the triple saving of more hours per fill, less parts to buy, and longer life for your tractor.

"I have used Conoco Germ Processed Oil since it was placed on the market," writes Mr. Ralph H. Brundage, of Sheridan, Wyo., "and have lubricated three tractors during this time with this product. I have experienced complete satisfaction in its use in all of these tractors and find that I can run one-half farther per crankcase drain than on any other oil that I have tested and my repair bills have been exceptionally low."

Mr. Albert Beus, Idaho farmer and cattleman, and president of the Henry Stampede, writes:

"I farm over 1,200 acres of dry land in Caribou County, Idaho, and use a McCormick Deering T-40 Tractor. We have used Conoco Germ Processed Oil ever since we bought the tractor and are entirely satisfied with its performance. We have about 6,000 hours on the motor and haven't spent any money for repairs. "The tractor has been run day and night during the

spring and fall months, and after 70 to 80 hours of continuous work we drain the crankcase and the oil is still in fine shape.

"We have also operated a Chevrolet truck and two cars, using Germ Processed Oil 100% and have had very little expense for repairs. We are certainly sold on your oil and can recommend it to any tractor, truck or car operator."



Mr. Ralph H. Brundage, well-known farmer of Sheridan, Wyoming.

## 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.

**EMERGENCY GASKET REPAIR**—To repair a torn fabric gasket temporarily, cut a piece of window-screen wire and fit it over the tear. The wire prevents the torn ends from blowing out and causing a bad leak.

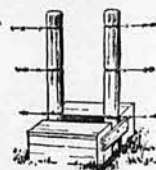
E. R. GORTON, Maryville, Mo.

**COW-PEN GATE**—A handy cow-pen gate is sketched. Posts are set about 18 inches apart and steps are nailed in place. You can go through with milk buckets in each hand and not be bothered with opening and closing gate.

JULIA E. STOCKTON, Campbell, Tex.

### PROTECTING FRUIT TREES

—Mix one-eighth pound of dry lime sulphur with one pound of Conoco Cup Grease and apply to trunks and lower limbs of fruit trees to keep rabbits, mice, gophers and grubs from injuring trees. Will not wash off and keeps bark from cracking.



**GARDEN FENCE**—If the ends of your garden fence can be fixed like gates so they can be thrown open from the middle, you can work or plow all the corners.

MARTIN REHM, Alden, Iowa.

ALWAYS AT YOUR SERVICE

Your Conoco Agent

CONOCO MOTOR FUELS  
CONOCO MOTOR OILS  
CONOCO GREASES

