

Kansas Farmer



KANSAS STATE FAIR

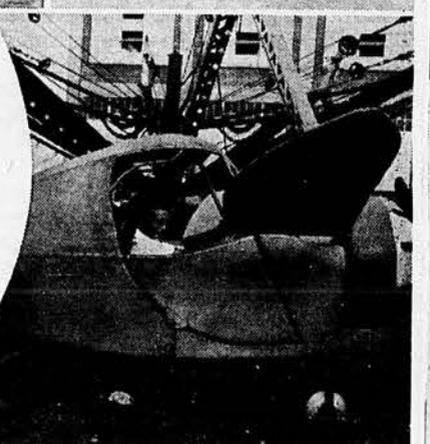
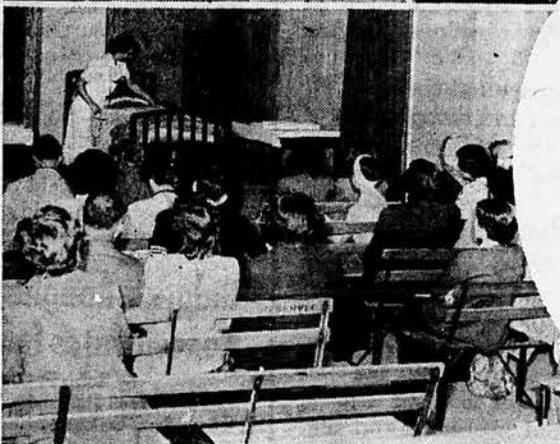
Hutchinson

Sept. 16 to 21

KANSAS FREE FAIR

Topeka

Sept. 8 to 14



- **Welcome to the Fairs**.....Pages 4 and 14
- **Seed Wheat Problem**.....Page 6
- **Tulips by the Thousands**.....Page 10

New ABC's of Animal Nutrition

A stands for antibiotics . . . **B** for B-12 . . . **C** for carotene . . . and so on down the new alphabet which livestock and poultry people are learning today. There's a long list of newly found aids to better health, faster growth and better gains for livestock . . . to more meat for America . . . to better earnings for producers.

A for the antibiotics—*aureomycin, penicillin, streptomycin, terramycin, many more.* Nobody knows quite why, but added in tiny amounts to hog, calf and poultry rations (not for sheep or adult cattle), they often seem to speed growth, especially of animals in subnormal condition. Most runty pigs catch up with the litter, make 10 to 20% faster gains. Diseases in turkey flocks can be reduced, and the time from poults to market-weight bird speeded up.

B for B-12—We know now that this is the vitamin which made APF famous. Found in its natural state in such packing house by-products as meat scraps and tankage (also manufactured by fermentation process), this working partner of the antibiotics is making more meat at lower feed cost. Broilers, for example, are ready for market in 10 to 11 weeks, instead of 12 to 15.

C for carotene—Found in the green leaves of growing grasses, legumes and other plants, carotene helps cattle, hogs and poultry produce vitamin A as they digest their feeds. Vitamin A is a must if livestock is to live and be thrifty.

Those are a few of the many new things recently learned about the science and economics of animal feeding. In a very few years research has added many pounds to the meat output per acre of grass or grain—shortened feeding periods, increased animal livability. All of this adds to the supply of meat for our people, and is the farmers' and ranchers' contribution to our country's strength.

And many other promising things are probably over the horizon. Experiment stations are working on the use of thyroproteins and hormones in cattle feeding. There's growing knowledge about the importance of cobalt and other trace elements to livestock. At federal and state experiment stations, in many a private laboratory, these and many other little-known areas of animal nutrition are being explored and charted. And thus, as has happened so often in the past, the study of animal nutrition is blazing the trail to better human nutrition also. Your local county agent, your high school and college agricultural instructors, your agricultural publications can keep you informed.

Quotes of the Month

"In the democratic way of life it is not 'the best things in life are free,' but rather 'the best things in life are worth working for.' Certainly good food is one of the best things in life."

Dr. Ruth M. Leverton
Professor of Nutrition Research
University of Nebraska

"How can consumers be educated to the fact that food will have its price, in regular market channels or in the black market, and not because farmers say so, but because they, the purchasers, say so?"

Dr. Herrell De Graff
National Institute of Animal Agriculture

OUR CITY COUSIN



Says City Cousin, "What the deuce! This cider tastes like apple juice!"



Big "Know-How" is Good!

In times of national emergency, I often notice quite a change in the thinking of some folks. I have in mind those who criticize business just for being big.

However, when up against the need for large scale production and distribution of materials and food, the government often turns for "know-how" to businessmen—little and big. This, of course, is a sensible thing to do. And isn't it fortunate that our nation can take advantage of the fact that we have a ready source of successful and experienced management to turn to?

Another thing. When emergencies arise, it's often in business that we find the specially trained manpower used to dealing with big, complicated problems and big, complicated operations. Many businessmen resign from their companies and join the government—to help handle the problems created by the emergency. Others give their experienced counsel on the organization of many important government projects.

Personally, I have never gone along with those who argue that it is bad to be big. For bigness means growth and is a reward of valuable service. It is my own conviction that business—both "big," medium and small—helps the American people live better, at lower cost. And I maintain that our nation's businesses of all sizes form one of the essentials in the defense of all the big and little things for which America stands.

F.M. Simpson.
Agricultural Research Dept.

Martha Logan's Recipe for BEEFARONI SALAD

Yield: 2 qts. (8 to 10 servings)	2 tbsp. pickle relish
1 pound hamburger	2 tbsp. finely chopped onion
2 cups shell macaroni	1 teaspoon salt
¼ cup chopped onion	2 cups salad dressing
1 teaspoon salt	1 carrot, shredded

Brown the hamburger slightly. Drain off drippings and chill the meat. Boil macaroni and ¼ cup onion in salted water 15 minutes. Drain and chill. Combine chilled hamburger, macaroni, pickle relish, finely chopped onion, salt, salad dressing and carrot. Mix well. Chill about 2 hours.

Variation: Add ½ cup chopped celery, 2 tablespoons chopped green pepper, or ¼ cup sliced pimiento olives.

A Meaty Mouthful

Americans all like to eat good wholesome food, especially meat. To you producers we give praise, and gobble up the meat you raise. It seems we never get too much of beef, pork chops, veal, lamb and such. And so demand "eats up" supply as U. S. housewives buy and buy. Yet prices vary, week to week, for reasons not too hard to seek. When scads of hogs pour into town, the price of pork then soon comes down; but when hog marketings are slow—why, up pork's price is sure to go. Still, whether prices rise or fall on meat, we eat it all. The problem's never surplus meat—you can't raise more than we can eat. But prices change, across the land, as you supply and folks demand.



Soda Bill Sez . . .

Government controls are like thistles in a corn field . . . they grow fast and are hard to get rid of.

Balance Roughage and Concentrates for Lambs

by Rufus F. Cox
Head of Animal Husbandry Department,
Kansas State College, Manhattan, Kansas



Lambs fed the most concentrated rations do not always fatten fastest nor most economically, Kansas experiments show.

A series of experiments has been run to test the physical balance of rations. They were designed to determine whether the ratio of concentrates to roughage was a factor in determining the efficiency of feed utilization.

The most noteworthy result of these tests is that regardless of the kind or combination of feeds used, lambs fed rations of medium concentration made larger and more economical gains and were as well finished as lambs fed either more bulky or more concentrated rations. It was concluded from these experiments that an optimum physical balance actually exists for lambs. Thus as bulky rations are increased in concentration, the gains increase up to a certain level. Then, as the concentration is further increased, the gains and efficiency of feed utilization turn downward. It was further proved that the gains made by lambs are not always positively correlated with either the dry matter intake or the total digestible nutrient intake. Rather, the gains and the efficiency of feed utilization clearly follow a certain balance between these two factors.

Experimental work at various State Experiment Stations is showing that physical balance in rations for ruminants may be fully as important as chemical balance.

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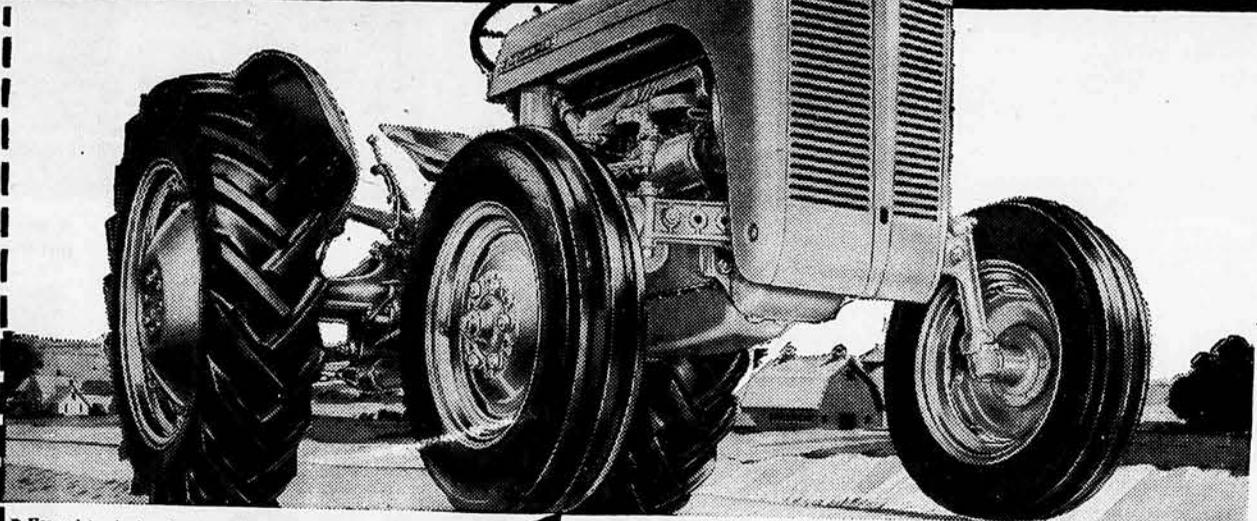
Nutrition is our business—and yours

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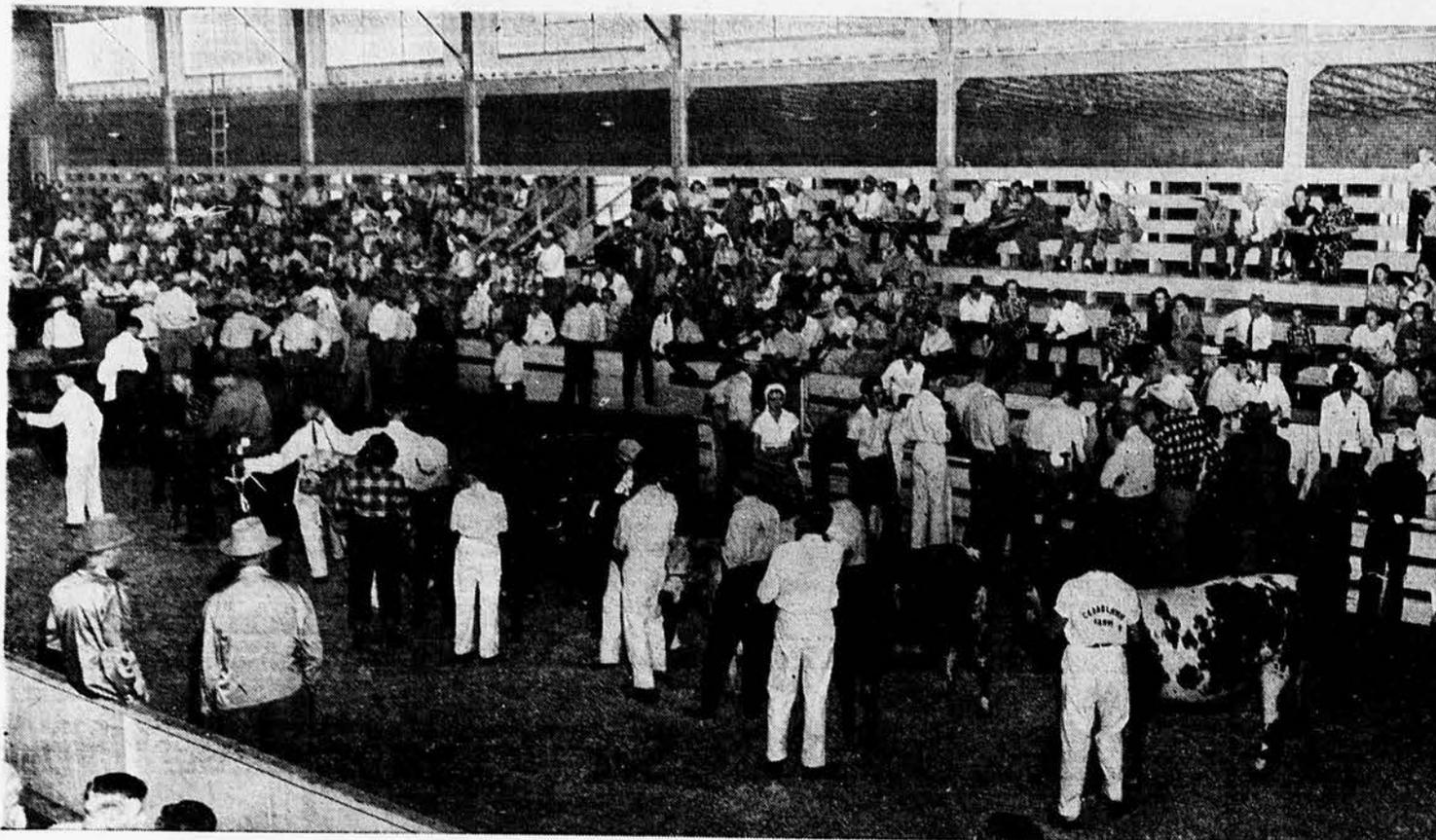
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FERGUSON TRACTOR AND 63 FERGUSON SYSTEM IMPLEMENTS



A BIG CROWD always is on hand to watch 4-H folks put their animals thru the paces in 4-H livestock show.

Everybody Will Want to See the Big 1951

STATE FAIR

By Dick Mann

PACK up your troubles and plan now to spend at least one day at Kansas State Fair, Hutchinson, September 16 to 21. You'll be glad you did. "We think after all the troubles farmers have had this year they are going to want to relax and have a good time at the State Fair," says Secretary Virgil Miller, "and we are planning to give them the best one ever."

You former 4-H'ers will be glad to know there will be a big 4-H alumni reunion day on Friday, September 21. "We hope this will grow into an annual reunion of former 4-H'ers and 4-H exhibitors at the State Fair," says Mr. Miller. "We have a full day's program planned, starting with registration in the vicinity of the 4-H encampment building at 9 o'clock in the morning."

"From 9 to 11 there will be conducted tours of the fair grounds. At 11 o'clock an assembly will be held at the 4-H Club encampment build-

ing auditorium, where an address will be given by some outstanding speaker.

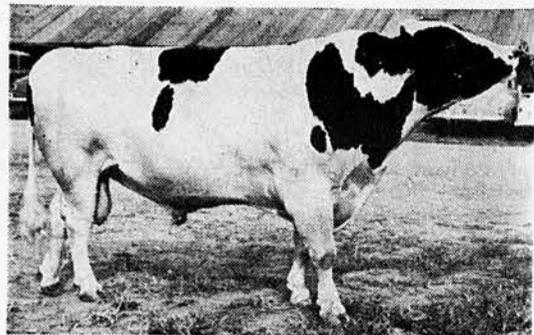
"At noon there will be a basket lunch," says Mr. Miller. You are asked to bring whatever you want to eat and join other 4-H alumni on the encampment grounds for a picnic lunch and a visit. In the afternoon you can do as you please and at night, of course, you will want to see the State Fair Revue of 1951.

Says Mr. Miller: "There is need for a strong 4-H Club alumni organization to study the needs of 4-H Clubs in connection with the fair and to help work out improvements." J. Harold Johnson, state 4-H Club leader, says: "Our encampment building will accommodate only about 750 and we need room for 1,500. This is only one of many problems that need the help of former 4-H exhibitors at the fair."

Livestock exhibits for the fair were coming in 6 weeks early this [Continued on Page 32]



COMPETITION will be keen again this year in the big swine show.



THE DAIRY SHOW always is an outstanding feature, as the best compete.

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SLEEK BEEF animals are combed and curled until the last hair is in place.



NEW INTEREST is being shown in sheep and there will be good ones at Hutchinson.

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Farm Matters

AS I SEE THEM

LAST month, August, was a month of broken-off negotiations. Most outstanding example, of course, are the "cease-fire negotiations at Kaesong. These regularly have been broken off every few days, leaving the world in suspense as to the ultimate outcome. With General MacArthur out of the picture, it looks as if the Communists (Korean, Chinese, Russian) have outsmarted the UN and our State Department at every turn of the road.

Then there is the Iranian oil dispute, between those two "nationalized industry" nations, Britain and Iran (Persia). This is a dispute over management and division of profits from the Iranian oil fields. These oil fields have been managed for years by the Anglo-Iranian Oil Co., a British concern in which the British government owned controlling interest. The arrangement was a prime source of oil for the British Empire, and the main source of income for the Iranian government—and a profit for the British government.

When the Iranian government, following it must be admitted the example of the Socialist British government, decided to "nationalize"—they used to call it expropriation—the oil industry, it also demanded a voice in management and much higher royalties for the government of Iran. Here also has been a series of broken-off negotiations. Again, it looks as if Russia stands to gain most in the long run. Britain and Iran both stand to lose in that case; also the people of the United States. If the control goes to Russia, then United States will have to make up the petroleum deficiency for the British Empire, make up British government's loss of income, and shorten perhaps the supplies of petroleum products for the United States. Higher prices for gasoline and oil; perhaps rationing, and more grants of aid to Britain.

And at home last week the House of Representatives in effect "broke off negotiations"

with the White House. The House members just picked up and went home until September 12. President Truman has been having increasing difficulties with the 82nd Congress, and with his party; the Democrats have voting control in both branches of Congress.

At the end of July the 82nd Congress extended the National Defense Production (Controls) Act for another 11 months—minus the additional control powers the President asked; minus also some of the control powers he had under the original act; including a prohibition of the second and third rollbacks (9 per cent) on live beef cattle prices; and an added provision prohibiting imposition of slaughter quotas by the Office of Price Stabilization.

The President sent a sizzling message to Congress, demanding that Congress forthwith—now—pass the kind of control bill he wants. In the message Mr. Truman indulged in some "name-calling" not very well disguised. The House responded with a 19-day recess; Senate leadership made it clear the Senators intend only to go thru the motions of considering the legislation desired by the President.

In the meantime the Senate is proceeding to cut down the asked-for 8.5 billion dollar foreign aid bill; also to cut down some further the House-passed new tax bill, below the 10-billion-dollar increase demanded by the White House.

Whether the White House and the 82nd Congress will resume negotiations later this month remains to be seen. Ditto at Kaesong; ditto in Iran. And ditto any number of strikes, wildcat and other, in the United States. Each negotiation points toward higher prices, higher taxes, ultimately more inflation, in the United States. Not too encouraging.

What these free-spending, free-borrowing, free-thinking, free-wheeling government poli-

cies have done to the purchasing power of the American dollar—and the American who tries to save some money against a rainy day—is illustrated by the following comparative table published in its "Tax Outlook" by the Tax Foundation, Inc.:

Year	\$1,000 Gov't Bond	\$1,500 Insurance Policy	\$3,500 Wage	\$100 Pension Check
1939	\$1,000	\$1,500	\$3,500	\$100
1913	1,406	2,109	4,921	141
1920	693	1,040	2,426	70
1933	1,075	1,612	3,721	108
1948	581	872	2,034	58
1951	539	808	1,886	54

That isn't all the dollar story, however.

In 1915 total per capita (head) tax receipts of federal, state and local governments was \$20.48 or around \$22 per family.

In 1938 the total had grown to \$102.05, or some \$108 per family.

By 1948 this had increased to \$355.76 per capita, or nearly \$1,500 per family. The total will be more this year.

According to Treasury Department Press Release, November, 1948, and Survey of Current Business, July, 1950, total personal income in 1948 was \$209,500,000,000, on which \$16,800,000,000 federal income tax was collected, 8 per cent. Total federal taxes collected that year were \$37,688,000,000, or 18 per cent. Total federal, state and local taxes collected in 1948 amounted to \$51,018,000,000, or 24 per cent of personal income. Now Washington is talking of federal tax collections of better than \$60 billion next year; total federal, state and local better than \$80 billion.

Of interest to farmers? Yes. Ultimately all these taxes and higher prices must be paid from products and services on materials produced from the earth; food, fibers, metals.

Arthur Capper
Topeka.

Sees Cattlemen as Price Control Villains

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

THE CATTLEMEN seem to be regarded in Washington circles as "the root of evil" in the price-control picture. In his message to Congress last week urging again the enactment of more drastic price-control legislation, President Truman singled out the Butler-Hope (Senator Butler of Nebraska and Representative Hope of Kansas) amendment. This amendment, included in the extension of the Defense Production Act, prohibits quotas from being imposed on slaughterers. Under the quotas as imposed under the original act, the Office of Price Stabilization each month limited quotas for each slaughterer to a percentage of his slaughter (in poundage) of

the corresponding month the preceding year.

OPS contends that by limiting slaughter thru quotas it can prevent black marketing of beef. Quotas preceding the adoption of the amendment (July 31) had ranged from 80 to 95 per cent. On its face the quota system as used had tended to decrease the supply of beef for consumers to purchase. But OPS maintains that it is more important to be able to use quotas as a club to prevent black marketing, than to increase the supply of beef available for consumers and use the law of supply and demand to hold prices down.

OPS Is Very Positive

OPS contends that by using quotas it can control distribution and thereby prevent black markets. Considering that most black-market slaughtering in World War II period was done outside the regular slaughterers, it is difficult to follow this logic, but OPS is very positive about it.

In his message of last week to Congress, President Truman said:

"Regardless of the reasons which prompted its enactment, this amendment (Butler-Hope) does what Congress certainly had no intention of doing—it puts the black marketer back in the meat business, and it makes him harder to catch.

"Without quotas, the scramble for scarce supplies increases the pressure to violate ceiling prices. The black marketer, who cares nothing about ceiling prices, finds it much easier to muscle in on the business of his legitimate

competitor. This unrestricted competition for limited supplies inevitably boosts prices, and is likely to make it impossible to have any control of meat prices for consumers."

To buttress the President's plea to Congress to repeal the Hope-Butler amendment to the DPA, OPS issued an order which it says on the whole will increase retail beef ceiling prices about 2 per cent. Administration spokesmen maintain that the extension act passed by Congress and signed "reluctantly" by President Truman will result in an

8 per cent increase in retail prices all along the line.

Also, OPS has under consideration a directive which would set ceiling prices on individual beef cattle. "Government is toying with the idea of putting a price ceiling on each beef animal sold by farmers," the Wall Street Journal's Washington Bureau reports. "Up to now, the only price ceilings on live cattle have been those affecting buyers but not sellers. Also, price ceilings now cover average purchases rather than individual animals."

Slaughterers now can pay more than the price ceilings for an individual animal but must keep their average purchases during a monthly accounting period under the ceilings.

Under discussion also is an overriding ceiling for cattle. This would be a substitute for price ceilings on individual animals, which admittedly would require a great increase in employed government personnel to supervise. Slaughterers would still have to keep their average monthly purchases during a monthly accounting period under the present ceilings. In addition, they would not be allowed to exceed the overriding ceiling in the purchase of an individual animal.

Sent Demand to Congress

President Truman also was very vehement in his message to Congress in demanding that Congress repeal the Capehart (Rep. of Indiana) amendment, which requires that price ceilings must take into account all increases in costs since the outbreak of the Korean war. He also denounced, and asked for the repeal of, the Herlong (Rep. Herlong, Dem., Florida), bill, which re-

(Continued on Page 30)



"I didn't really lose four pounds! I just remembered I cleaned out my pocketbook!"



"I really shouldn't buy it... but if you insist..."

Heavy Rains Make Seed Wheat Problems

By C. E. SKIVER, Kansas Wheat Improvement Association

THE heaviest harvest season rainfall in history has brought seed wheat problems to many Kansans. Delayed harvest, heavy weed growth, and excessive moisture bleached kernels badly and made cleaning job of the combines difficult. Nevertheless the best seed wheat Kansans will have will be that in their own county or community. This wheat is of varieties that have been bred to perform under Kansas conditions and there is no better.

Wheat that is bleached will grow if

it is not allowed to heat or spoil in the bin. Greatest danger is not from bleaching but from bin damage after harvest. This was well proved by the State Seed Laboratory which reports an average germination of 92 per cent on the first 385 samples of Kansas wheats submitted for tests. This shows wheat harvested this year will grow if properly handled. Home tests will not give the best germination as wheat during July and August needs to be pre-chilled to bring it out of dormancy. In the seed

laboratories they put the grain in refrigerators at 43 degrees for 5 days which brings it out of dormancy.

Wheat intended for seed should be cleaned as soon after threshing as possible. This aerates the grain and removes weeds and trash. This removal will cool the grain and allow circulation of air.

The seed grain should be moved at intervals if there is any sign of heating.

Treatment of seed wheat with one of the mercurial compounds has proved very profitable. This practice is especially helpful in years like this when mold growth on the seed coat has been encouraged by excessive moisture. When properly applied and when the correct dosage is used seed may be treated 50 or 60 days before planting without injury.

Lost and Found

Typical of letters being received by Kansas Farmer Protective Service is the following: "Wamego, Kan., August 20, 1951.

"I am writing you in regard to my butane tank which was lost during the recent flood. Since I am a member of the Protective Service, I thought it might be possible for you to find it. It is a 500-gallon tank and the serial number is 2863. Sincerely yours, Walter Reisner."

Any reader having information regarding this tank please report at once either to Kansas Farmer Protective Service or direct to Walter Reisner, Wamego, Kan. The Protective Service will be glad to conduct a "lost and found" column so long as it can be of service in recovering property carried away by the recent flood.

New Wheat Ready

CI 12128—a new variety of wheat—will soon be released in the battle against Hessian fly and leaf rust damage in Southeastern Kansas.

Developed at the Kansas Agricultural Experiment Station from a hybrid cross in 1935, the Pawnee-like wheat boasts greater Hessian fly resistance and shows leaf rust resistance superior to any other variety adapted to Kansas. It has a test weight equal to or often higher than Pawnee and does not bleach as readily, sprout in the head, or shatter as much as Pawnee does if left standing in the field. The new variety equals Pawnee in yield, time of maturity, straw strength, height and susceptibility to stem rust.

Before maturity, the new variety may appear to lodge, but generally it does not break over or go completely down on the ground. It is resistant to loose smut and its susceptibility to bunt or stinking smut is easily controlled by seed treatment.

Gluten quality of the new variety is superior to Pawnee, making the flour satisfactory for baking. The grain also has the approval of the milling trade.

CI 12128, yet to be named, is a cross between Kawvale x Marquillo and Kawvale x Tenmarq, the latter a sister of Pawnee. It will first be distributed in southern and eastern counties bordered on the west by Harper, Kingman, Reno, Rice, Dickinson, Clay and Washington, where greater Hessian fly resistance is needed.

Growing the variety outside this area may be hazardous as it is not as winter hardy as Pawnee or Comanche.

Aid Kansas 4-H's

A 4-H Club in Rhode Island is helping Kansas 4-H's whose farms were in the recent floods. Members of the Tiverton Farm and Home 4-H Club recently sent \$20 to the state 4-H office at Manhattan. J. H. Johnson, state 4-H leader, says the money has been assigned to Riley county 4-H Clubs. Members in the Hunter's Island and Moehleman Bottoms area were particularly affected by floodwaters.

Senator Capper on Radio

Every Sunday afternoon at 12:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

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ON ALL FALL SOWN CROPS

HEAVY APPLICATIONS PAY

Mr. Witter says: "I got more than 40 bushels of wheat per acre on 12 acres where I used BEM BRAND mixed fertilizer along with some nitrate and potash. I used about 700 pounds to the acre, but when I sold my wheat for seed I still made more than \$90.00 per acre over the cost of the fertilizer.

This yield was taken after the rain and would probably have been bigger if we could have gotten it before the wet weather.

I know heavy amounts of fertilizer really pay on wheat and BEM BRAND is the brand I use."



C. F. Witter, Implement dealer at Asbury, Mo., who farms near Pleasant View Township, Kans.



Bud Mercer, wheat farmer, whose land is near Crestline, Kans.

Even LIGHT APPLICATIONS PAY

"I drilled BEM BRAND 4-12-4 Fertilizer at a rate of 125 pounds to the acre on my wheat last fall. My yields went up to 26 bushels per acre while those fellows who didn't use fertilizer hardly got enough to harvest. My wheat matured earlier and I was able to get my 150 acres of wheat out before the rain.

My BEM BRAND 4-12-4 Fertilizer really drilled fine for me," reported Mr. Mercer.

NOTE: Reliable sources in these areas unofficially estimated that the average wheat yield per acre was approximately 8 bushels—where no fertilizer was used.

Whether you use light applications of fertilizer for increased yields, or heavy applications for top yields, insist on BEM BRAND—the "BONUS" Fertilizer—for all fall sown crops and pastures.

- ★ TEST YOUR SOIL to find out what it needs to provide your crops with a balanced diet of essential plant foods.
- ★ FEED YOUR SOIL with BEM BRAND "BONUS" Fertilizer in the grades recommended by the soil testing laboratory.



BULLETIN BOARD

Buy the BONUS[®] soil and plant food

*It contains CALCIUM, SULPHUR and OTHER nutrients—besides the guaranteed amounts of Nitrogen, Phosphate and Potash.

PMA ASSISTANCE

In many cases, PMA can pay nearly half the cost of some soil treatments under approved practices.

SEND FOR FREE FERTILIZER HANDBOOK

For your copy of the NEW 28-page fact-filled FERTILIZER HANDBOOK, write to Information Dept., Thurston Chemical Co., Joplin, Mo.

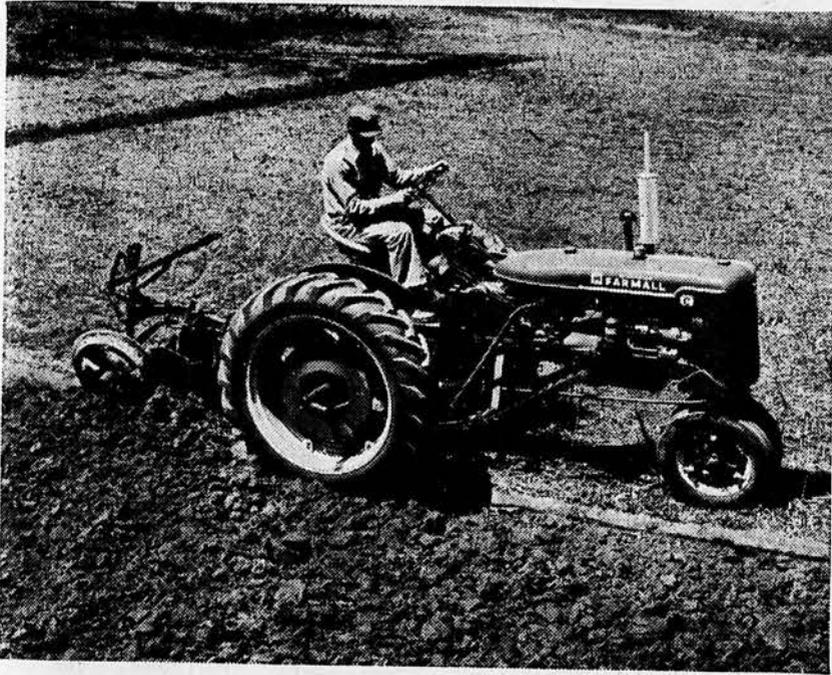
LISTEN TO YOUR FARM AND OURS

Featuring Ken Parsons Monday thru Saturday at 6:25 A.M. over stations KMBC-KFRM.

THURSTON CHEMICAL COMPANY—Joplin, Mo.—Tulsa, Okla.—Lawrence, Kans.

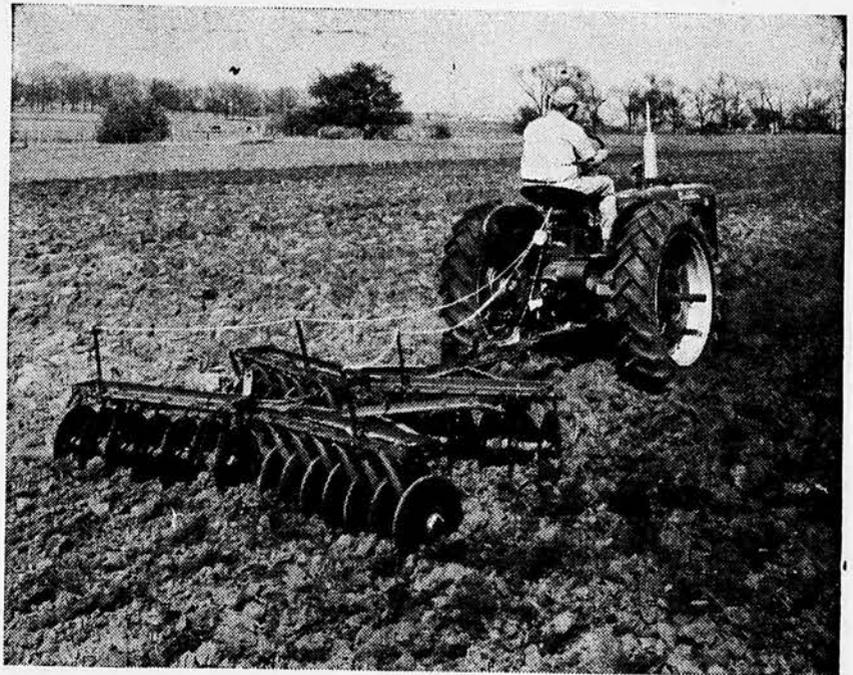
PROVE TO YOURSELF...

You can do more work with a McCormick Farmall®



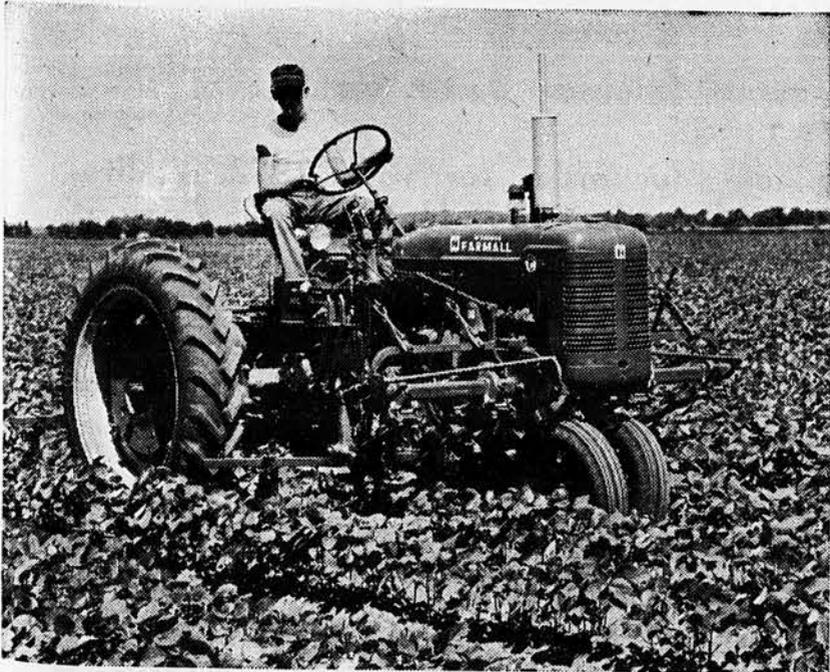
You can do so much work—with so little fuel!

Make the gallon-of-gas test with the two-plow, two-row Farmall Super C tractor. Sock the plow down *deep* into the toughest plowing! *Prove to yourself* how much farther a Farmall Super C runs on a gallon of gasoline—how much *more* work you can do—than with other similar-size tractors.



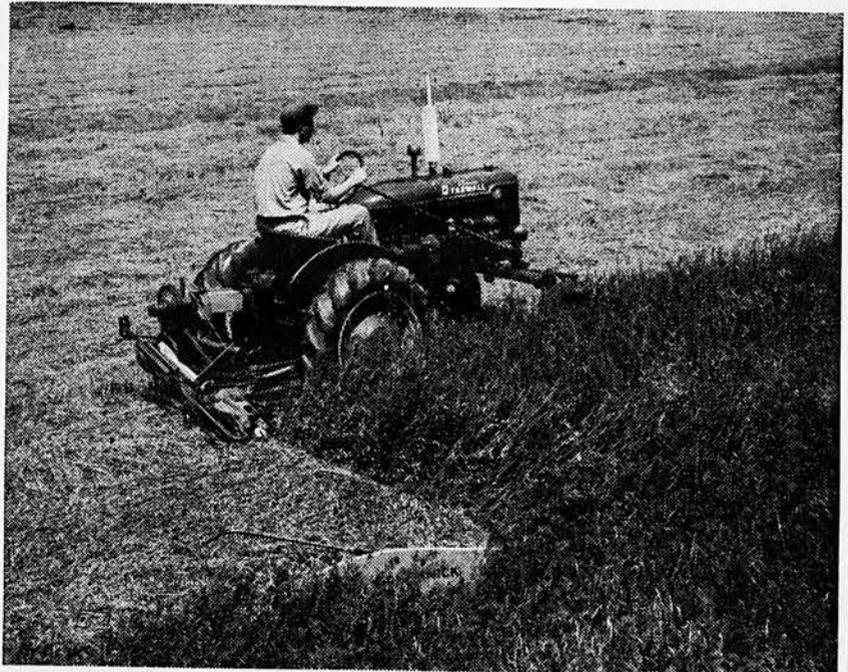
You can feel the positive pull-power

Try the Farmall Super C on heavy drawbar work. Feel the *sure* traction, the *extra* pull-power as the big, 54-inch-high tires take hold. See the *clean, slip-free* tracks of the tire cleats. Notice, too, how the big-diameter steering wheel, double-disc brakes and swinging drawbar permit you to make smooth, easy turns in soft ground.



You Can Cultivate High Crops

Look at the ample clearance under *both* tractor and cultivator with a McCormick Farmall. You can cultivate later in the season as crops grow taller. There's 23 3/8-inch clearance with the Super C; 21 3/8 with the Super A; 19 3/8 with the Cub. You can side-dress with the same fertilizer unit that works with the matching planter.

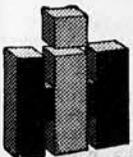


You Enjoy All-Day Driving Comfort

Slip into the driver's seat of a Farmall. Take the wheel—see how easily the tractor handles. Feel how the seat absorbs the bumps and jolts . . . all day long. Notice how handy the controls are—from hydraulic Touch-Control levers to the conveniently located brake and clutch pedals. All controls are designed with *your* comfort in mind.

PROVE TO YOURSELF...

YES . . . prove to yourself that you can farm better . . . that you can **PRODUCE MORE** . . . with a McCormick Farmall tractor and your choice of a full line of McCormick implements. See your International Harvester dealer today for a "prove-to-yourself" demonstration.

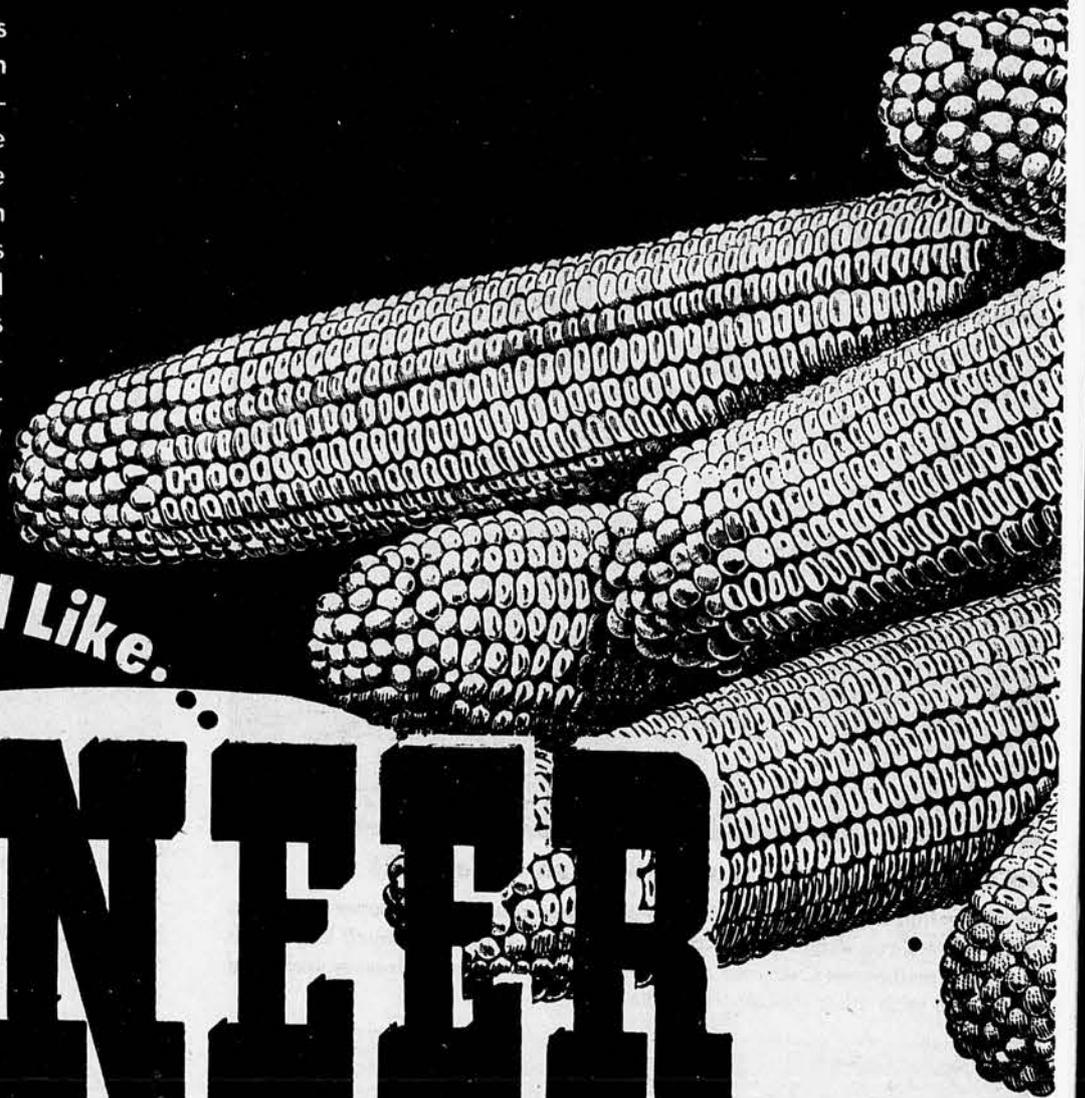


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In all areas — where it's growing is adapted — nothing approaches corn in the yield of feed units per acre. It produces the most bushels per acre of the best feed of any grain crop. Corn is the basis of any livestock program, which includes hogs and chickens, as well as cattle. Corn is going to be scarce until the 1952 crop is harvested. And, it is going to require more and more corn — because of high livestock numbers necessary to support our vast and rapidly growing population.



and There's NO CORN Like.

PIONEER

Fortunately, we planted a materially increased seed acreage this past Spring. Present indications point to a very creditable crop of PIONEER Hybrid Seed Corn.

However, every indication suggests that there will not be generally, an over-abundant crop of good quality hybrid seed corn this Fall.

Because of the very urgent need to raise every bushel of corn it will be humanly possible to produce next year — because good quality hybrid seed corn is not going to be too plentiful this Fall — it is our earnest suggestion that you start to do your planning immediately.

It is our sincere recommendation that you plan an increased corn acreage next year — that you

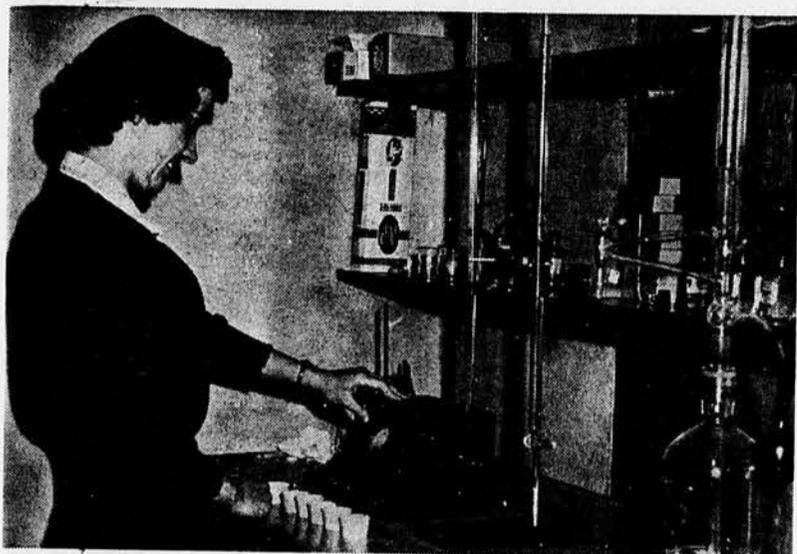
place your order for your 1952 requirements of PIONEER Hybrid Seed Corn at your earliest convenience — to assure yourself of a full choice of kernel sizes and varieties. See your local PIONEER Salesman TODAY. Let him help you select the PIONEER varieties best adapted to your farm.

Garst & Thomas Hybrid Corn Co.
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Or ask your PIONEER Salesman for FREE copy of folder, "Corn Cobs Have Real Feeding Value." It is interesting, informative and authentic. It can point the way to lower cattle feeding costs for you. Get your copy TODAY.

Soils Testing by Miss Krog Equal to Best in State



DOES DOUBLE DUTY: Alice Krog, office secretary to Dale Edelblute, Crawford county agent, also serves as the county's soil testing laboratory technician. Her soils tests are among the most accurate in the state.

ANY woman who can follow a recipe can make soils tests," says Dale Edelblute, Crawford county Extension agent. He is proud his office secretary, Alice Krog, also is doing a fine job as soils laboratory technician. "All county technicians are checked by the state laboratory, at Manhattan," says Mr. Edelblute, "and work being done by Miss Krog is equal to the best in the state."

Number of soils samples being brought in for testing by Crawford county farmers has been disappointing, Mr. Edelblute says. "But our soils testing work has brought good re-

sults. More fertilizer is being used as a result of tests and is being used more intelligently."

One thing soils testing in Crawford county is bringing out is that benefits of liming do not last as long as generally believed. "We had been telling farmers lime would benefit the soil 10 or 15 years," Mr. Edelblute says. "Now, our tests are showing liming is good for only about 6 years. However, this does not mean farmers need to use more lime. It is better to lime more often and not spread as much per acre at one time." Other counties are making the same discovery.

Uses Power Take-off To Go Thru Mud

DEEP mud in feed lots can't stop the feed wagon used by Walter Porter, Morris county. To help the tractor move the feed trailer thru soft lots, he has hooked power take-off up to the trailer wheels.

With little fear of getting stuck, this tractor-trailer unit will pull thru deep mud and small creek crossings with ease. Mr. Porter believes it is the solution to bringing feed out of trench silos, too.

The trailer was made from an old truck frame. But since power take-off's revolve in opposite direction to crankshafts, differential and rear axle had to be turned upside down from normal position. In this manner he can use the normal selection of 4 speeds forward and 1 reverse to match up with his tractor speeds. If trailer wheels are not reversed, there would be only 1 slow forward speed.

Transmission was left intact on the frame, but longitudinal members were bent ahead of the transmission to provide a tongue for the trailer. Trailer

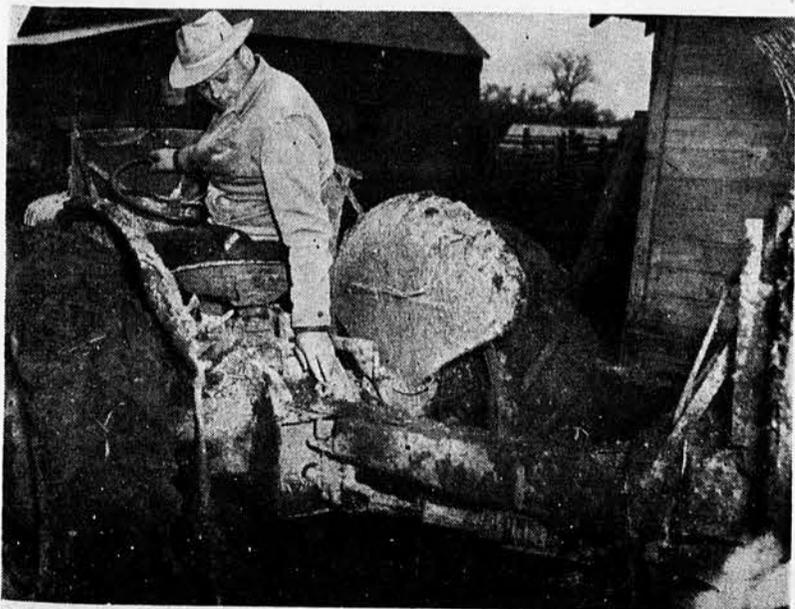
transmission is just ahead of the trailer bed.

Trailer bed was mounted flat onto the old truck frame. It makes a low trailer which is easy to load; eliminates high throwing when filling. Boxed-over wheel housings appear in the bed because the floor of the trailer bed is below the upper level of the tires.

Mr. Porter hooked the trailer hitch directly to the differential housing on the tractor, rather than using the conventional hitch. Some weight is placed on the hitch when the trailer is loaded. This close hook-up eliminates danger of bringing front tractor wheels in the air under a heavy pull.

With this feed wagon Mr. Porter says he hasn't needed to use chains. And there was plenty of mud in feed lots last spring. The outfit works well on long hauls, too, he reports. Under those conditions, however, trailer power is not used.

Next improvement Mr. Porter wants on the trailer is an automatic unloader, he reports.



CLOSE-UP HITCH: Attaching his feeding trailer to the differential housing, as pointed out by Walter Porter, Morris county, prevents front wheels of tractor from coming up under heavy pull. Power take-off below the hitch supplies power to trailer wheels.

THE MIDWEST
POWER PLUS
Hydraulic Loader

Rugged and Durably made
for Fast, Powerful Lifting
FULLY GUARANTEED

- ★ Finger-tip Hydraulic Control
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Designed by Farm Implement Engineers and Farm Tested. **ALL STEEL CONSTRUCTION**, comes complete. Operates from Tractor Hydraulic System. Pumps Available if required. Ready to install.

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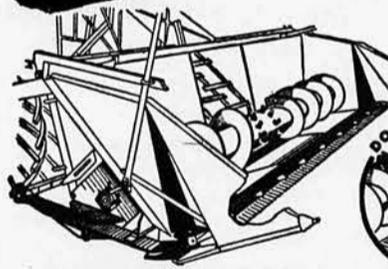
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Tall and short stalks, thin or heavy yield, the Hesston Sorghum Attachment will eliminate cutter bar "slobber" and increase your harvest net profit.



This field-proved attachment extends the sickle head and upward six inches, providing ample space for tall stalks to fall into the trough and under the auger. The upward slant prevents heads from falling off in front of the sickle bar. Installation is simple . . . no cutting, welding or holes to drill. Engineered and precision-built to fit your combine.

AVAILABLE FOR Massey-Harris 10-, 12-, 14- and 16-ft., McCormick-Deering 123 and 125 SP, Baldwin 12-ft., John Deere "55," Cockshutt, Minneapolis-Moline G-3, G-4 and 14-ft. SP.

14-FOOT PLATFORM EXTENSIONS with receding finger auger



Enables you to cut more acres per day with less effort. A field-proved attachment. 14-ft. fits all IHC SP and Case SP combines. 12-ft. fits MH-26 and 21 SP combines. Hesston Receding Finger Auger stops your platform feeding troubles. Hesston Receding Finger Auger can also be furnished for your original 12-ft. or 14-ft. combine. Easily installed.



You can cut more acres per day and save more grain per acre by replacing your straight or spike tooth rasps with Hesston V-Bars. They are non-slugging, give easier separation, smoother operation, even feeding, less straw chopping, plus savings in fuel.

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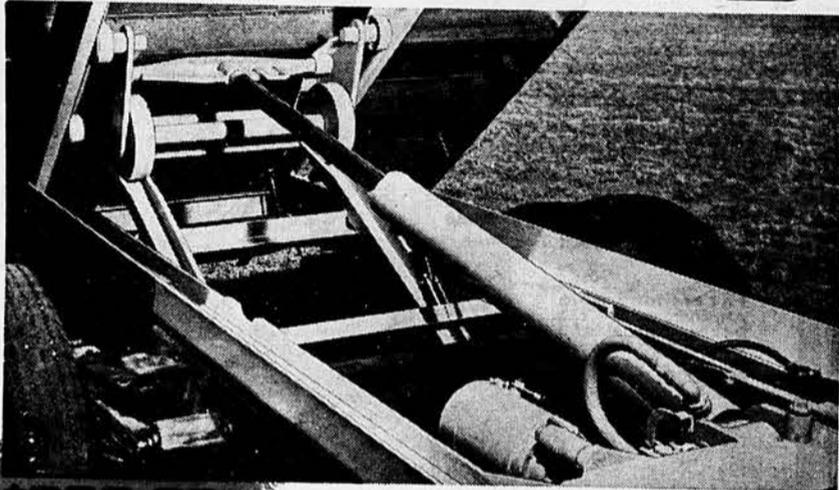
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Designed for FARM USE!

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FEATURING NEW PRINCIPLES OF MODERN DESIGN

The Timberlock "333" hoists the load with an inclined plane mechanism. The hydraulic pump pushes two wheels up an inclined ramp, which in turn raise the load through the action of two additional wheels moved along the longitudinal sills of the body understructure. The result is efficient, dependable action. The "333" unit also features an automatic stop which prevents overloading the truck and an automatic hold-down on the platform.

1 MAN OPERATION!

One man can handle all operation of the Timberlock "333" hoist. There are two sets of push button controls, one in the cab, and one at the rear of the platform. The use of an extra battery helps solve winter truck starting problems. The "333" is unconditionally guaranteed by the manufacturer after extensive field tests.

Push Button Control at Rear End

Lower Mounting **LOWER COST**

Mounts 3 1/2" lower than conventional units.

ADVANTAGES

- ✓ Economy.
- ✓ Electric operation — elimination of power take-off.
- ✓ Low mounting—limited only by tire clearance.
- ✓ Dual control—Cab or rear end.
- ✓ Simplicity—little to wear or get out of order.
- ✓ Unlimited power.
- ✓ Two batteries help solve winter starting problems.
- ✓ Unit completely integrated—just attach in position and wire up.

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For Complete Information—Write Today!

Mfg. by TIMBERLOCK CORPORATION, Hastings, Nebraska

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No. 8 in flower series written by a man who grows them by the acre

Now Get Ready for Tulips

By FRANK PAYNE

IF YOU want a lovely bed of tulips next spring to beautify your farmstead, plant them this fall before the ground freezes hard. And right now isn't too early to start making plans. The tulip is one flower you do not have to cultivate or pet or weed. It blooms before weeds have a chance to grow large enough to choke them. All you do is plant the bulbs this fall. They take a long winter nap and wake up next spring in all their glory, because the tulip sticks its nose out of the ground soon as frost leaves mother earth. Fact is the bloom already was formed in that bulb even before you planted it. That is why it comes on so rapidly in early springtime.

For Kansas or Missouri I recommend the Darwin, Breeder and Cottage types as best for a showing around your farm home. The extra-early single and the doubles bloom so close to the ground they are not nearly as showy. Better use the 3 types I recommend, they are taller and certainly strut their beauty when in bloom.

The average farm home actually needs at least a bed of 100 tulips to make most effective showing. The reason I recommend 100 bulbs in a bed for best showing is this: In spring when tulips bloom (they start about April 25 at Kansas City for me) no other flowers are blooming. Tulips then have to carry your entire load in decorating your home plantings, and a stingy planting simply cannot do justice.

Furthermore, be sure to get your bulbs from a reliable seedsman or nursery. Good bulbs cost \$7 to \$10 per hundred, but inasmuch as you can leave them in the ground 3 to 5 years without digging them up, their initial cost divided over that period of years is not so great after all.

Big Job of Cutting

I have 20,000 tulip bulbs planted in my cutting field for Mother's Day florist trade, and I surely get a kick out of their beauty show even tho cutting that many is a back-breaking job and tough on the knees of a 60-year-old man. However, tulips are one flower I hate to start cutting—it just seems a crime—they are so beautiful to look at and admire!

You may plant tulips in a bed out in the lawn, around any side of the house or even close to trees or shrubs, they are still beautiful and will do real well. But never plant in a soggy or water-logged bed because tulips are from the lily family and simply cannot stand "wet feet." Never mulch tulips with straw or manure. That would bring on a nest of ground mice and they would feed on your bulbs.

Plant your tulips in early November and scatter naphthalene flakes or finely broken mothballs over the bulbs to discourage ground rodents. It is very important to plant the bulbs at least 8 to 10 inches deep and about 6 inches apart.

There are several reasons for deep planting. First, they stand drouth bet-

ter if planted deeply. Second, after tops die down and turn brown (along about June 15 average date), you can sow zinnia, marigold, four-o'clocks or other shallow-rooted seed flowers all over the tulip bed and get 2 crops of flowers from the same ground. Furthermore, the flowers planted over them help shade the ground in extreme summer heat and keep the dormant tulip bulbs at a cool, even temperature.

No, I am not Scotch, but I was trained to try and get 2 crops from the same ground whenever possible.

The Darwins are sturdy, 2 to 3 feet in height, depending upon the variety and amount of rainfall they receive. They are the vivid, bright colors and with large cups that come into bloom about April 25. The Breeders come next in their season and start about May 1. They are the same height as Darwins but are darker in colors that have bronze and metallic shades of purple and brown.

English Cottage, sometimes called Late May Lily Flowering, are latest to bloom and start about May 10. They are much shorter than the other 2 and have more-willowy stems, being not nearly so erect. Their average height is about 15 inches and can stand much more wind than other types mentioned. Cottage tulips have pointed petals and are mostly of the delicate pastel shades of pink, orange and yellow.

To Save the Bulbs

If you expect to save tulip bulbs for years and years, never cut the foliage from growing plants until leaves turn brown. Leaves help develop strong bulbs for next year's flowers, and if you cut them off too soon it would kill the bulbs.

Here are some good varieties I can recommend for your plantings. In the tall Darwins, *Pride of Haarlem*, dark red. *Mr. Farncombe Sanders* is a good bright red. *Princess Elizabeth*, a good dark pink with *Clara Butt* for a true bright pink. *Rev. Eubank* is bright lavender and *Bleu Aimable* for a good deep lavender blue. For the tall Breeder types try *Louis XIV*, a rich dark purple and blue shade. *Bronze Queen* is a bronze. *Indian Chief*, reddish mahogany flushed purple. *Panorama* is chestnut red. In the low-growing Cottage types, *Inglescombe Yellow*, an old favorite yellow. *Inglescombe Pink* is a salmon pink. *Dido*, pink and yellow is fragrant, too. *La Merveille* is orange scarlet and very deliciously scented. *Picotee* is white with a pink edge.

When I am out in the tulip garden surrounded by all their beauty, this bit of poetry keeps ringing in my ears:

"The Gift of the Sun for the Garden,
The song of the bird for mirth;
You are nearer God's heart in the Garden
Than anywhere else on earth."

—Author Unknown.

(My next article will be on *Lilies and Other Fall Planted Bulbs*.)



THIS IS what I mean by planting plenty of tulip bulbs in a bed and in gobs and masses instead of dozen lots. Maxine, daughter of Mr. and Mrs. Frank Payne, is admiring a bed of 100 Clara Butt Darwin tulips in full bloom.

BIG CASE TRACTOR

...Helps Solve Labor Shortage

**SAVES TIME
SAVES FUEL
SAVES UPKEEP**



Have you been behind in your work all summer because of wet fields, lack of power, not enough help? Get the jump on tomorrow's work *today* by making sure you'll have the lugging power and traction to push right through tough spots . . . the pulling power to whip big jobs fast . . . the extra speed that makes one man's time cover extra acres every day. See the fast 3-plow "DC" Case Tractor that's pulled many a farmer out of tight places—helped him stay ahead of his work. Get a demonstration. Drive it yourself.

You'll find it puts new pleasure and profit in farming.

Ask for Demonstration of All This

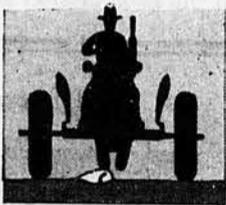


GREAT LUGGING POWER SAVES GEAR SHIFTING

When throttled down, or slowed by a hard pull, the Case "DC" Engine does not falter. Instead, it pulls stronger—keeps right on going through many a tough spot where you would likely be stuck if you stopped. You save lots of gear shifting, lots of time and effort.

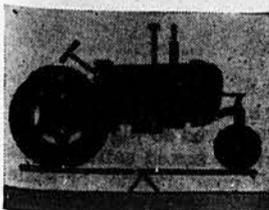
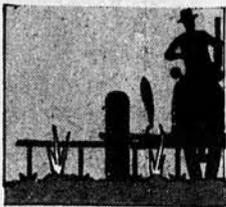
SHOCK-PROOF STEERING SAVES HANDS, AVOIDS FATIGUE

Case irreversible steering stops the jerks and jolts from rocks and rough ground. You don't fight the wheel to climb ridges and cross furrows. Case steering stays snug. Triple-life steering gear works in warm transmission oil, for easy action and constant lubrication without attention.



"QUICK DODGE" GETS THE WEEDS SPARES THE CROPS

Case front-mounted cultivator gangs are close to front wheels—they go where you steer, *when* you steer. Case Variable-Ratio Steering gives extra fast dodge when going ahead, extra leverage when making short turns. Four rows or two rows, you find it easy to cultivate close, clean and fast.



WEIGHT BALANCED FOR SURE-FOOTED TRACTION

Compact Case construction puts weight to work where it is needed—mainly on rear wheels when needed for traction with heavy drawbar loads, plenty on front wheels when wanted for quick, positive steering. Tires wear less, fuel goes further, work goes faster.

Model "DC," available also with single front wheel or adjustable front axle. Model "D" is regular 4-wheel type.



FACTORY-BUILT TO BURN LP Gas

As shown here, Model "DC" . . . like the mighty 4-5 plow Model "LA" . . . can now be ordered equipped for LP (butane-propane) fuels. Besides a full line of implements, there are 25 models of Case tractors. They include the big bargain in farm power and utility—the 2-plow "VA" Series with one-minute Eagle Hitch for Latch-On rear-mounted implements, and the larger 2-plow "S" Series.

CASE



FIND OUT ABOUT THIS BIG LABOR-SAVING TRACTOR

Case builds a full line of farm machines. Mark in squares or write in margin any that interest you; mail today to J. I. Case Co., Dept. J-47, Racine, Wis.

- 3-plow "D" Series Tractors
- 4-5 plow "LA" Tractor
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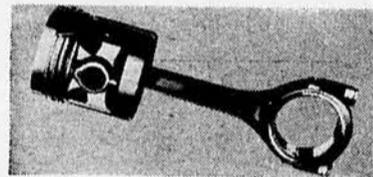


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formance. *And at about half the cost of a new engine!* One-day installation by appointment. Each engine comes ready to install. Easy payment plan. See your Ford dealer and start saving, today!



Reconditioned to Ford-factory standards. Here you see a multi-reboring machine—part of the precision equipment used to recondition Ford engines to Ford-factory standards, in a Ford-inspected plant. This is just one of many such operations.



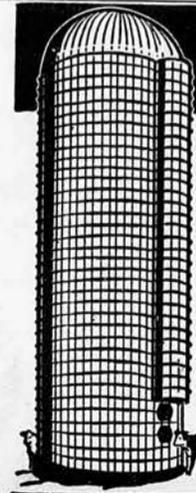
Over 150 new or completely reconditioned **Genuine Ford Parts**—like this new Ford Piston—keeps your Ford all Ford! This Genuine Ford Piston is made of best aluminum alloy . . . tin plating for break-in period . . . steel reinforced strips for controlled expansion.

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***LOOK FOR THIS EMBLEM!** It's proof of the Reconditioner's Warranty: any defect in materials or workmanship in 90 days or 4000 miles (whichever occurs first) will be remedied at no additional cost.



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See Our Fully Erected Silo Exhibits at:
TOPEKA FREE FAIR—Sept. 8th thru Sept. 14th
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Many Kansas farmers have an abundance of sorghum crops, legumes, and even corn this year. Don't let this valuable feed go to waste . . . there's still time to put up a Salina Silo before cold weather. Get the facts at our Fair Exhibits or write.

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Salina CONCRETE PRODUCTS COMPANY
 1101 PARK STREET SALINA, KANSAS

Saving Your Garden for WINTER MEALS

By **WILLIAM G. AMSTEIN**
 Kansas State College



"And we'll store some of them for winter."

SUCCESSFUL farm storage of vegetables requires careful attention to moisture, temperature, ventilation and light. It is a job that deserves more attention than it receives. One set of storage conditions will not permit all vegetables to be stored with equal success. However, many crops can be handled in one location with a little extra care.

High-quality products free from rot, bruises, cracks, sunburn, disease or insect damage will keep much better than those with defects. Injury that occurs during harvest such as sunburning and bruising accounts for much of our storage problem.

Provide a good, clean storage room, this includes boxes, crates or other containers that are used. Spraying the storage area and containers with formaldehyde or copper sulphate before any items are stored is a practice that should be followed more widely.

Stored products should be inspected fairly often, at least once a month. This year more-frequent checking will be needed. Products go out of condition rather quickly. Potatoes and onions are good examples of storage items that will have heavy losses this year. However, do not disturb stored products any more than necessary to be certain they are keeping well.

Rapid changes in storage room temperatures should be guarded against. Low, even temperatures give best results. Stored products that are wilted and shriveled are the result of too dry a storage room. Needed moisture can be supplied by sprinkling the floor. If

crops are packed in sand, moisture may be added as needed. Ventilation needs to be checked carefully. This will supply oxygen in addition to helping moisture and temperature conditions. Odors can be handled this same way.

Root crops such as carrots, beets and turnips should be dug if possible, when dirt will not stick to them. About one inch of top should be left to keep down excessive loss of moisture. Close clipping allows rot organisms to get started.

The floor may need to be sprinkled every few days. Root crops are often stored in a stone crock with a cover. Some follow the practice of packing these items in sand.

Parsnips are more commonly left in the garden and taken out as needed thru winter months. Mulching parsnips will make it easier to locate and dig them.

Sweet potatoes require a little more care especially during early storage. A temperature of 80 to 85 degrees F. for 10 to 14 days but not too dry is best. The skin will become firm and the wounds heal. Locating a place to cure small quantities of sweet potatoes is a problem on the farm. Cured sweet potatoes should be stored at a temperature of 50 to 55 degrees F. Extremely dry storage conditions cause sweet potatoes to shrivel too rapidly. Storing sweet potatoes in crates or bushel baskets is a good plan.

Squash and pumpkins should be stored in a dry place that is well ventilated and fairly warm. Leave the stem or fruit stalk to avoid decay.

Help in Flood Area

SPECIAL payments for re-seeding land inundated by creeks or rivers to alfalfa are being made thru county PMA offices in Kansas. Payments for certified Buffalo alfalfa seed are 75 cents per pound, with maximum payments of \$9 per acre. Payments for other varieties of alfalfa seed that have PMA approval are 60 cents per pound, with maximum payment of \$8 per acre.

Assistance also is being given in purchase of superphosphate for application on this land at rate of 6 cents per pound of available P2O5. Any farm partially or totally flooded by creeks or rivers is eligible for this assistance, or if the owner of several farms had one or more of his farms damaged by flood, he is eligible for assistance on all of his farms.

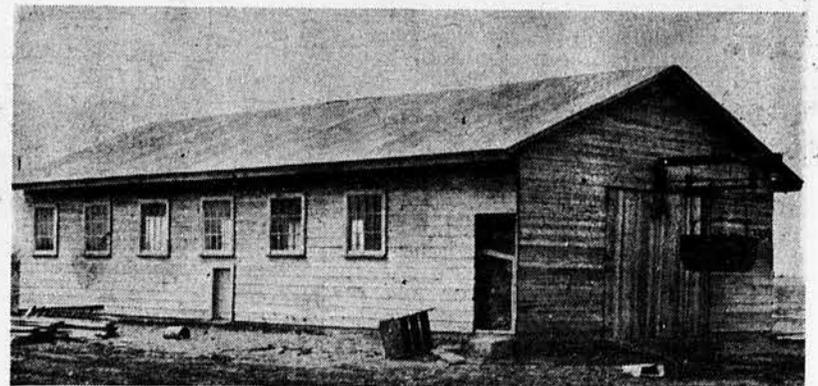
Some \$150,000 have been allocated to the flood district for soil conserva-

tion flood relief, \$100,000 of which is going to Kansas, Henry W. Schmitz, district conservationist, Ottawa, reports. Thirty Eastern Kansas counties have been classed as the flood district in Kansas and work is being handled by soil conservation districts.

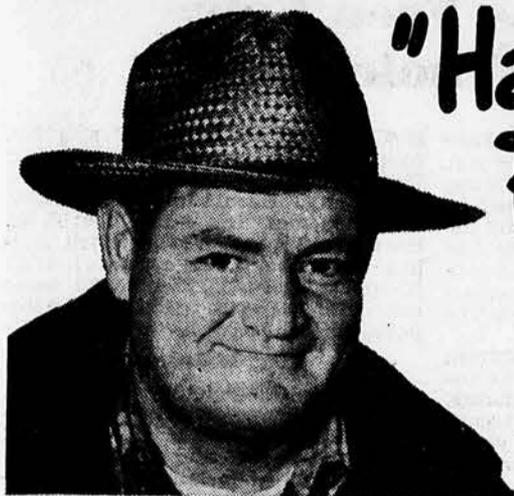
This is mainly a clearance program—clearing stream beds of debris and silt to re-establish stream flow, averting a new lowland flood threat, clearing drainage ditches of debris to permit tillage of land now flooded or soggy due to lack of drainage, and repairing small farmer-built and maintained stream levees. Soil conservation officials are arranging, letting contracts and making payments for the work without cost to farmers.

Clearance is being carried on only where 2 or more farmers will benefit. Single farm projects are not included.

Used for Pigs and Grain



THIS new 24- by 50-foot building on the farm of Fred and Russell Eichthorn, Labette county, will serve a double purpose. It works as a 14-stall farrowing house for their hog business. Each stall is wired so pig brooders can be hooked up easily. It has a concrete floor and is boxed solid on the inside to a height of 40 inches. That makes it more comfortable for little pigs in midwinter and makes it graintight for storage purposes in summer.



"Handling forage crops? Here's how FARMHAND can save you manpower and money!"

WHETHER YOU CHOP IT, SHOCK IT, OR PICK IT, you'll handle your harvest faster with a Farmhand 3-Level Forage Unit or a "Power-Box."



FARMHAND FORAGE UNIT

ONE MAN DOES THE JOB with this Farmhand 3-Level Forage Unit hitched up behind the harvester. High, flared sides catch from the spout—even on turns! You can take big "barn-sized" loads up to 6 tons—make fewer trips to unload.



"FIELD-TESTED" CONSTRUCTION guarantees you long trouble-free service. Forage Unit box is specially designed to hold hay, silage, grain or ear corn at different levels. Unit fits any standard wagon. You can buy it complete—or at any level that fits your farm!

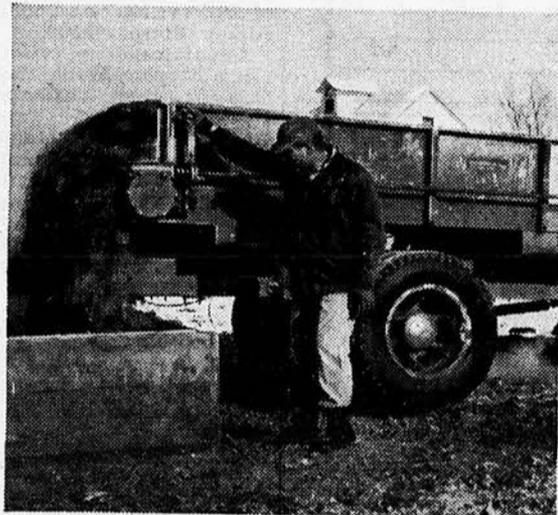


YOU UNLOAD AUTOMATICALLY—without pushing or packing! Smooth, dependable full roller chain conveyor is worm gear driven. Works with tractor take-off or speed jack, can be set to unload as fast as blower or elevator can take it. You have instant clutch control.

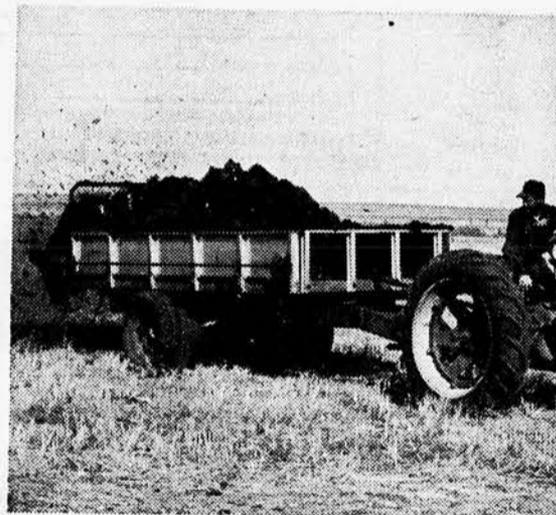


FARMHAND "POWER-BOX"

HANDLES ANY LOAD! Many farmers say this all-purpose Farmhand "Power-Box" is the most useful wagon box ever built! Heavy, reinforced aluminum sides hold bulk loads up to 6 tons. With optional extension sides, the "Power-Box" holds harvest crops like a forage box.



UNLOADS WHILE YOU WATCH. There's no need for back-breaking shoveling or pitching with a fork—The Farmhand "Power-Box" uses take-off power, gives you the same, smooth conveyor unloading as the Farmhand Forage Unit! "Power-Box" mounts on truck, wagon, or two-wheeled trailer.



SPREADER AND FEEDER, TOO! With Spreader Attachment, the "Power-Box" can do the work of 4 ordinary spreaders. Gives even distribution over a 9-12 ft. strip—depending on type of manure. With the Mixer-Feeder Attachment on your "Power-Box", you deliver up to 145 bushels per minute . . .

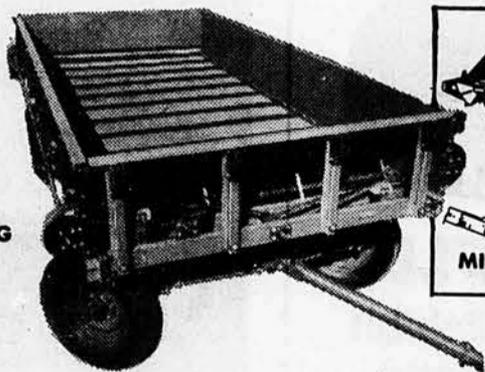


435 bushels.

290 bushels.

140 bushels.

SELF UNLOADING



SPREADER

MIXER-FEEDER

GET ALL THE FACTS!

Send for free illustrated booklet.

THE FARMHAND COMPANY
A Division of Superior Separator Company
Hopkins, Minnesota

Send me a free copy of the booklet checked.

- Farmhand 3-Level Forage Unit
- Farmhand "Power-Box" with Spreader and Mixer-Feeder Attachments.

Name _____

Address _____

Town _____

State _____



Farmhand®

3-LEVEL FORAGE UNIT • "POWER-BOX"

THE FARMHAND COMPANY • A Division of Superior Separator Company • Hopkins, Minn.

MORE YIELD FROM SMALL GRAIN WITH FERTILENE Liquid Fertilizer

Recent scientific tests by university experiment stations and farmers show evidence of marked increases in small grain yields when seed grain treated with liquid fertilizer before planting.

Fertilene liquid fertilizer is a highly concentrated compound made of the finest raw materials needed for plant growth. It is a "super-charged" solution containing 7% Nitrogen, 14% Phosphorus, 7% Potash, plus trace elements of Boron, Magnesium, Manganese, Zinc, Calcium and Iron.

TESTS SUGGEST THAT PHOSPHATE SOAKED INTO SEED IS 60 TIMES MORE EFFICIENT THAN APPLIED TO THE SOIL*

By applying Fertilene to your seed grain, you add a great deal of nourishment—ready for the seed to use immediately after germination. This helps develop better root structure and top growth in the early stages. It makes possible an impressive increase in your yield. Fertilene is not a cure-all. But where either the soil or the seed is deficient in elements necessary for growth building, the results have been outstanding.

*Tests Reported in Journal Agricultural Science, 1948

EASY TO USE—NO SPECIAL EQUIPMENT

It is easy to apply Fertilene. Just sprinkle over your seed grain, mix thoroughly on barn floor, tarpaulin or in cement mixer, and allow to dry before planting. Treated seed runs freely through the drill. Fertilene is safe from freezing to 40° below zero.

COSTS LESS THAN 60¢ AN ACRE

One gallon of Fertilene is diluted with 1/2 gallon of water. It will treat 12 bushels of wheat, oats, rye or barley seed. The cost is generally less than 60¢ an acre.

WHEAT GROWER SAYS: "About your fertilizer, have noticed that the wheat came up faster and grows faster than the unfertilized. And also the best stand I believe I ever had so far. For example, my neighbor planted 80 acres and used the fertilizer and it came right up and kept growing. And in the center he ran out of fertilizer, so he went ahead and planted without the fertilizer. It took that wheat (untreated) about a month to come up to where it looked like any stand at all, and very slow growing. My, what a difference."
—G. Mayes, Tegarden, Okla.

LANGDON, NORTH DAKOTA EXPERIMENT STATION. Superintendent Victor Sturlaugson Says: "Recent tests showed a 41.7 bu. per acre wheat yield with application of liquid fertilizer to the seed, and 39 bu. per acre from untreated seed—an increase of 2.7 bushels per acre."

DEALERS WANTED

Fertilene Liquid Fertilizer offers an excellent opportunity for dealers to build a solid, fast-growing repeat order business. Attractive discounts. No bulky weight, easy to store. Write for details about Fertilene today.

SEE YOUR DEALER TODAY—IF YOUR DEALER DOES NOT STOCK FERTILENE USE THIS COUPON TO ORDER A TRIAL SUPPLY

FERTILENE MFG. CO., WORTHINGTON, OHIO **KF-9**

Gentlemen:

Send me a five (5) gallon drum of Fertilene Liquid Fertilizer (enough to treat 30-35 acres) for \$18.75 including shipping charges. Enclosed is check. money order.

Ship C.O.D. for \$18.75 plus shipping charges.

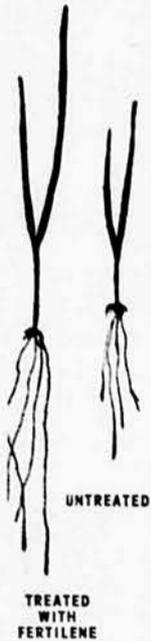
Name _____

Address or RFD _____

Post office _____ State _____

Rush to Fertilene Mfg. Co., Worthington, Ohio

CRITICAL CHEMICAL SHORTAGE LIMITS OUR SUPPLY—ORDER NOW!



UNTREATED
TREATED WITH FERTILENE

Kansas Free Fair Invites Whole Family

THE 71st annual Kansas Free Fair is shaping up for its week-long run in Topeka, September 8 to 14. More than 500,000 persons are expected to attend the famed agricultural and industrial exposition, and once again fair visitors will see many improvements on the 80 acres of agricultural wonderland only 7 blocks from downtown Topeka and the state capitol.

Last year's improvement program saw many minor additions and the addition of a \$75,000 exhibit building, which in its first year attracted record throngs to view its beauty. This year's major addition has been erection of a 4-H judging pavilion and expansion of the 4-H annex, thus giving the fair one of the largest livestock barns of its type in the nation.

In his 20 years at the helm, Maurice W. Jencks, secretary, has built the fair into a plant valued at more than 2 million dollars. Never satisfied, Jencks is a year-round traveler to other fairs, larger and smaller. And when he spots a good idea, you will be sure to find it incorporated in the Kansas Free Fair the following year. A master showman, Jencks nonetheless considers the Free Fair essentially agricultural.

Big List of Exhibits

This year some 15,000 individual exhibits will be entered in 22 competitive departments, covering every facet of the Kansas farm from swine and sheep to fancy needlework. Under roof alone there will be upwards of 400,000 square feet of space devoted to agricultural, livestock and home-appliance displays.

Royal American shows will be on the midway. The Free Fair Follies of 1951 will be in front of the grandstand every night, and auto racing and Aut Swenson's Thrillcade are scheduled for afternoon grandstand performances.

D. E. Ackers, of Topeka, is president of the Free Fair Association and Frank Ripley vice-president.

Department supervisors this year are Lot F. Taylor, Manhattan, beef cattle; C. F. Foreman, Manhattan, dairy cattle; W. A. Atchison, Berryton, horses; Prof. C. E. Aibel, Manhattan, swine; Dr. T. Donald Bell, Manhattan, sheep; Prof. F. W. Bell, Manhattan, stock judging; G. D. McClaskey, Topeka, poultry; John Miller, Topeka, agricultural departments; Prof. W. G. Amstein, Manhattan, horticulture; Mrs. Wesley M. Tucker, Topeka, culinary;

Mrs. Ethel Laughead, Topeka, art; Mrs. Phil Lindquist, Topeka, textile fabrics; Rev. H. C. Bradshaw, Topeka, religious education; J. Harold Johnson, Manhattan, boys and girls 4-H Clubs; C. F. Hartman, Topeka, pigeons; Mrs. Bertha H. Campbell, Topeka, public health; Margaret K. Burtis, Manhattan, home instruction; Mrs. Chester Copeland, Topeka, floriculture.

Time of Judging

All livestock-judging events—4-H and open classes—will be held as follows: Monday: 8:00 a. m.—4-H beef cattle; 9:00—4-H and Chester White swine; 10:00—4-H dairy cattle; 1:00—Milking Shorthorns, Brown Swiss, Market Barrows; 1:30—4-H Sheep.

Tuesday: 8:30—Hampshire and Poland China swine; 9:00—Hereford, Ayrshire, Jersey cattle, Hampshire sheep; 1:00—Chester White and Spotted Poland China swine, Southdown sheep.

Wednesday: 8:00—4-H Livestock Judging Contest; 8:30, Duroc and Berkshire swine; 9:00—Shorthorns, Holsteins, Guernseys, Quarter Horses, Shropshires; 1:00—Hereford swine, Suffolk sheep.

Thursday: 8:00, livestock-judging contest; 9:00, Aberdeen-Angus.

Jencks said despite floods which ravaged some Kansas farm land during July, entries in most departments have been coming in at a good clip, and he expects this year's exhibits to compare favorably with any of the past. Demand for space by industrial exhibitors has been at a peak, the secretary-manager of the fair said, thus assuring Kansans another well-rounded, thrilling fair for which the Capital city has become famous.

Bacitracin Controls Pinkeye in Cattle

Results of a new treatment for pink-eye in cattle are being studied this summer by veterinarians, comments the American Veterinary Medical Association. Pinkeye causes watery eyes and temporary blindness in animals. Bacitracin, one of the newer antibiotic drugs, gives good results in clearing up the trouble, preliminary results show. The drug has been effective even in stubborn cases that have resisted sulfa drugs and other familiar methods of treatment.



The original lightweight portable

see it in Action →

BELT HARVEST-HANDLER

A. A. Klughart Machinery Co. Exhibit

Kansas State Fair (Hutchinson), Kansas Free Fair (Topeka)

The Harvest-Handler works the year 'round handling all kinds of bulk materials... loading trucks, filling cribs, bins and feed bunks, cleaning poultry houses; plus many other jobs. There's nothing handier on farms large or small. See the Belt Harvest-Handler at the fair or at your local Harvest-Handler dealer.

THE BELT CORPORATION

Pat. Pend.

7286 STAHL ROAD • ORIENT, OHIO



SOME 500,000 persons are expected to pass thru this gate during the 71st annual Kansas Free Fair, Topeka.

the BIG attraction at the

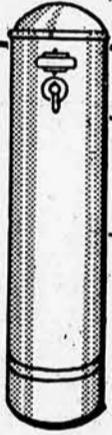
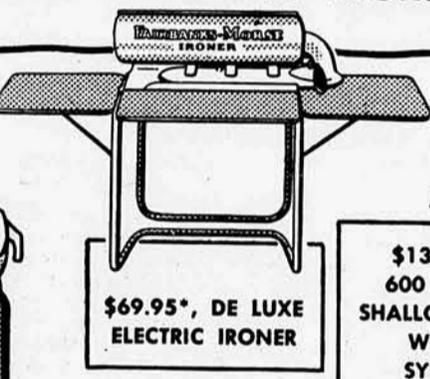
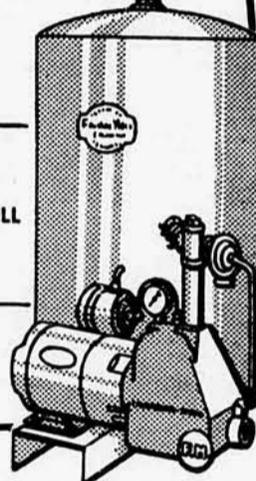
KANSAS STATE FAIR!

HUTCHINSON, September 16—21

FAIRBANKS-MORSE AUCTION

HIGHEST BIDDERS WIN THESE FAIRBANKS-MORSE PRODUCTS!



<p>MON.</p> <p>\$109.50*, 20" ROTARY POWER MOWER</p> 	<p>TUES.</p> <p>\$162.00*, SINGLE TANK WATER SOFTENER</p> 	<p>WED.</p> <p>\$139.95*, DE LUXE WASHING MACHINE</p> 	<p>THURS.</p> <p>\$69.95*, DE LUXE ELECTRIC IRONER</p> 	<p>FRI.</p> <p>\$136.50*, 600 G.P.H. SHALLOW WELL WATER SYSTEM</p> 
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* Prices F.O.B. Factory

HERE ARE THE SIMPLE AUCTION RULES.

- Every day during the full week of the Fair, Monday through Friday, Fairbanks-Morse will auction off one of these home work-savers. You may bid on any one, or all of the products that interest you — on any day of the week during the Fair — or if you don't attend this Fair you may mail in the bidding coupon prior to the auction day listed above for each product. The highest bidder each day will get the product auctioned that day.
- It is obvious you'll not bid more than the list price shown here. The idea is to bid as low as you dare. If you win, you will get a real bargain.
- Be sure you want to buy the product on which you submit a bid. Your bid is a bona fide agreement to buy the product at the price indicated in your bid.
- Get auction blanks, one for each product on which you wish to bid, at the Fairbanks-Morse Display Booth at the Fair; or mail coupon below NOW, indicating by the amount of your bid, the number of products on which you wish to bid.
- Submit one (1) bid only for each product.
- Bidding at our Fair booth closes at 5:00 p.m. each day. Winner will be announced by 5:30 p.m. the same day.
- You needn't be present to be the successful bidder.
- In case of ties, each bidder submitting the tying bid will receive a duplicate award.
- Print plainly your name, address, phone number, and the amount you bid (in dollars and cents).
- If you spoil a bidding coupon obtained at the Fair, get another coupon from attendants at the Fairbanks-Morse booth. If you ruin the coupon below, make a reasonable facsimile of it, fill in and mail.
- If you are the successful bidder, the product or products will be shipped to you direct from the Fair grounds, freight collect.
- All decisions of the judges are final.

SEE 'EM! READ ABOUT 'EM!

The Fairbanks-Morse products offered in this auction will be on display at our Fair booth. Literature describing them, and other Fairbanks-Morse products, will be available there also. Bidders who mail their bids, will receive such a folder in the return mail.

FAIRBANKS-MORSE STATE FAIR AUCTION FORM

Fairbanks-Morse Exhibit
P. O. Box 81
Hutchinson, Kansas

I want to submit my bid on the following Fairbanks-Morse Products offered in auction during the State Fair — Rotary Mower \$_____: Water Softener \$_____: De Luxe Ironer \$_____: De Luxe Washer \$_____: Shallow Well Water System \$_____.

I understand that I am to pay for the products at the price indicated in my bids, plus freight charges, if I am declared the successful bidder.

Name

AddressRD

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FAIRBANKS-MORSE,
a name worth remembering

HOME WATER SERVICE AND LAUNDRY EQUIPMENT • ENGINES • GENERATING SETS • HAMMER MILLS • MAGNETOS • MOTORS • MOWERS • PUMPS • SCALES

Warren Goes to Switzerland

Swiss People Live a Simple Life Among Scenes of Beauty Unequaled Anywhere

Remember, Kansas Farmer promised to bring you letters from our 2 Kansas 4-H'ers who are spending some time on European farms this summer. Here is the fourth one from Warren Prawl, of Severance, who has gone to Switzerland.

DEAR MR. GILKESON: I have been here almost 3 weeks now and I feel very much at home. The Feitknechts have accepted me almost as one of the family. The 2 boys and one girl are very considerate when it comes to talking and take many pains to teach me their language.

To understand a country and its people one must know a little about the history of that country. As I have said before this country is very old and customs are slowly made and changed even slower.

Switzerland has the oldest democracy in the world. In 1291 three cantons (then very loosely united within the canton) formed an alliance to defend their country against the Hapsburgs. The first federal treaties contained certain items much like our Habeas Corpus Act or The Bill of Rights. All this was before Columbus discovered America. Eventually other cantons (like our states) joined this alliance and in 1848 the last ones joined, making 22, the same as today.

Switzerland is a small country, one fifth the size of Kansas and two and a half times as many people; engaged in farming, industry and a few other minor projects. Only 40 per cent of the land is cultivated but Alpine pasture land is home for a majority of cattle for a few months of the year—June 15 to September 15—usually.

There is no such thing as a beef breed here but the Brown Swiss and Simmental cattle serve 3 purposes. They provide milk, meat, and many are used as work animals. The Simmentals are raised in the Western plateau section of the country and the Brown Swiss in the more rugged Eastern and Southern sections, the Alpine cattle.

Community life is the important thing in Switzerland. In some of the smaller cantons the voters, all men by the way, are called together and the voting is done by hand. Each canton has 2 senators, and representatives based on population, much the same as in the U. S. The Swiss have no president but a ministry of 7, each serving as chairman of the ministry for one year. The referendum is used more here than in our state government. The people are proud to be Swiss and shy to be such a small country.

The Swiss are very conservative and work hard. Their life is serious and they look upon strangers suspiciously. The average value of all the land is \$400 an acre. During the war the Swiss had a hard time because they could not import any commodities. The govern-



Warren Prawl

ment provided subsidies and awards to encourage farmers to raise all they could. Sometimes they did not have much to eat, but they managed.

The basic feed of all livestock is grass. Pasture in summer and hay in winter. A farmer cannot raise just any type of livestock. He must get the government's permission. And before this is granted a survey is made and the type of livestock most practical is the one he must raise. Different, no! Of all the livestock I have seen I will say this: there are no scrub animals like many U. S. farmers raise.

It is cheaper for the Swiss to import such crops as wheat and corn than to raise them. The soil is not too good, much rock and sand but by the application of manure and commercial fertilizer the average yields are double the U. S. yields in almost every case. Commercial fertilizer is used on a small scale but they use liquid manure very extensively, something we do not do in the States.

The Swiss are noted for the cheese and watches that they export. They must import almost everything. Food and all mineral ores.

Switzerland has the largest army of any country in Europe except Sweden. Every man is a soldier and must go train for 3 weeks out of every year for 8 years and then keep his rifle and other army issues in his home for the rest of his life. Of the 4.6 million people an army of 900,000 men and women can be raised.

Switzerland is known the world over for her beauty. I have seen beauty before but never anything to equal Switzerland.

Up in the Snow

I accompanied Herr Feitknecht on a business trip last week end and we went to Bern and Interlaken. To get there we went over 2 well-known mountain passes, St. Goddard and Susten. I have seen the rugged Rocky Mountain passes but nothing to equal these. They are not as high, only around 7,500 feet, but I saw more snow than I ever saw in a Rocky Mountain pass the last week in July. On the way to Bern we stopped at Wimmis for a few minutes to see Jean Singer. She is an IFYE from Pennsylvania and was I glad to see her. The first American I had seen since I left the IFYE's 2 weeks before. No one will ever know how nice it is just to talk to someone who can understand every word you say.

Twenty acres of potatoes making 335 bushels an acre for a total of 6,700 bushels of potatoes. I have never handled so many in all my life and then we eat them 3 times a day on top of that. I won't want to see a potato when I leave this place. It is not bad tho. The morning meal consists of bread, cheese and milk or coffee. Sometimes we have potatoes and sometimes cocoa. Sunday is a treat for we have butter and cherry preserves.

August 1 was a holiday. It is celebrating the harvest's end and no one works. They had a big banquet here and party afterwards. The next day was an awful day for we danced into the morning and some got up to go to work at 4:30.

I am very glad that I put my address in with one of my letters for it has produced very good results. I have received many letters from friends who read my articles and then write a few lines. So long for now.

—Warren Prawl.

Your guide to Better Corn Yields...

STOP

LOOK

DeKalb's County Research Plots PROVE the RIGHT Corn for YOUR FARM!

Visit this "corn showcase" in your community. See the DeKalb varieties that are made for your farm—see what's new in corn... new DeKalb numbers bred and tested for your locality. Yes—see before you buy. See for yourself why More Farmers Plant DeKalb than any other brand. See why DeKalb is known as the corn that "gets ripe"—big, deep kernels on small cobs—quality corn bred to make you more money from consistently high yields. DeKalb Agricultural Assoc., Inc., DeKalb, Illinois, Commercial Producers and Distributors of DeKalb Seed Corn and DeKalb Chix.

SEE...

why more farmers plant

DEKALB

than any other Brand of Seed Corn

STOP

LOOK

SEE...

Have you seen the new DeKalb Chix? Bred like DeKalb Seed Corn—to increase your profits. Six different crosses—for eggs—meat or both. Be sure to ask your DeKalb dealer about these revolutionary new Chix. You've got a real surprise coming.

Thoughts TO LIVE BY

Seeing Eyes

IT IS EASY to look at a rich man and see only his money. It is more difficult to recognize that he is a fellow human being who may be hiding a broken heart behind a silver wall. He may have sacrificed his health to gain his fortune. He has carried the burden of many responsibilities, and has obligations greater than those of the average man. And he is hounded by the fear that he may lose his resources and separated from the rest of mankind by the suspicion that everyone else is after his money. What a lonely person he may be! To see only his money is not to see him at all.

On the other hand, it is easy to look at a poor man, and see only his poverty. It is more difficult to recognize why he doesn't move into a better house and obtain a better job. Family responsibilities may tax his ability to pay rent on the humble dwelling in which his family resides. His health may be such he can barely hold the job he now has. He needs help, not criticism.

Some people look at members of other races and see only differences in pigmentation. But fortunately, others have eyes that see. Because they see other people as they are, they can understand and love them. Their love is usually returned and thus they have a tremendous influence. The greatness of a person is proportionate to the number of people with whom he can sympathize. That is why it is important for us to learn to see—even those of us who have eyes.

This ability to see gives a richer significance even to the commonplace objects about us. All of us are familiar with trees. Some people can identify the different kinds. Some people know a poem about trees. But the man who wrote the First Psalm had insight as well as sight. He looked upon a tree and discovered it was a parable upon life. The great tree by the brook resembled a righteous man.

For one thing, the tree lives in two worlds. So does the righteous man. He belongs to the animal king-

dom and also to the Eternal Kingdom. He is a product of the soil and a child of God. It would be easier to live in either one or the other of those kingdoms than in both, but we cannot escape our destiny. A dog isn't troubled about his canine conduct, but let a man live like a dog and his soul is tormented.

A tree has hidden sources of energy. So with a man. He is nourished by a meat that one doesn't buy at the butcher shop. He doesn't live by bread alone. When he is "in tune with the Infinite," he finds a power not his own flowing thru him. That is why he often emulates the tree, lifting "leafy arms to pray."

Like a tree man struggles for his very existence. There are pests that invade an orchard. The trees on the mountainside, with their short growing season, face the wind and the storm. And not all admirable trees grow by the waterbrook. Some rise out of the cleft in a rock. Some sheltered people live beautiful lives, but I also admire the stunted forms of some who have heroically withstood the adversities of life.

The purpose of both men and trees is to bear fruit. Too often we have thought of righteousness negatively in terms of the evil we refrained from doing. The Master was positive in His thinking saying, "By their fruit ye shall know them." Again, He told about the man who was condemned for hiding his one talent in the earth.

A tree may also be a symbol of immortality. After it is cut down, its wood can be used for a cross or a cathedral. Unlike a tree a man can determine whether the lumber of his life shall be used for something good or something bad.

And finally, the poet reminds us that "only God can make a tree." Many people struggle valiantly but vainly to be right in all things. Others in simple consecration discover that "He leadeth me in the paths of righteousness for his name's sake."

Blessed is the man who has insight as well as sight. He sees many things in life others miss.—Larry Schwarz.

Splendid Teeth: For Young and Old

By CHARLES H. LERRIGO, M. D.

JUST how much charm is added to the face by regular, even, well-kept teeth is scarcely appreciated by the possessor of such a set. But the man or woman who has to go thru life with a deformed, protruding denture knows how much he would give if the deformity could be remedied. In large cities, and in some rural districts, it is a common sight to see young people wearing on their teeth contrivances to bring crooked teeth into alignment.

It is not just a matter of looks. Correction of crooked teeth brings improved health. A child with undeveloped jaw cannot breathe properly. If the dental arch is deformed, so are the other facial bones. The nasal bones do not give proper room for breathing. The sinuses do not have sufficient air pressure. If the dentist can pull the teeth into proper alignment, the jaws broaden and all of these difficulties are removed.

This special dental work is called "orthodontia" and it is made a specialty by one or more dentists in every large city. Best time to take a child for treatment is between the years of 8 to 12. At this time the permanent molars are still undescended and the dentist

can make room for them so they can take their place in the jaw in a more natural manner, and the whole work of reconstruction can be accomplished at much less expenditure of time and effort.

Even those who have passed childhood may still have much done for them in correcting deformities. I saw recently an excellent piece of work that had been done by a specialist in orthodontia in correcting the protruding teeth of a young woman who was 22 years old.

Cosmetic dentistry is not "just a fad." Many an aging man or woman struggles for years under the handicap of broken, snagged or missing teeth. Then, yielding to the art of a skillful dentist, who fashions artificial teeth to meet not only the needs of mastication but expends special care as to appearance, has come into new life thru that artful aid. Don't forget, the dentist can do a lot for you.

Oil for Beater

Rotary egg beaters run smoother if lubricated occasionally with a few drops of salad oil.—Florence Wright.

AMERICA'S Best Liked DISC PLOW



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For FORD & FERGUSON TRACTORS

ALL TRACTORS WITH 3-POINT HYDRAULIC HITCH

The P-8 one-way plow is the answer to turn under the volunteer weeds that have gotten out of hand because of the wet season. It is ideal for building and maintaining terraces, cutting stalk ground behind corn pickers, fall plowing, eliminating volunteer wheat, aerating pasture land, saves time and money in seed bed preparation. A P-8 SELFS THE FIRST SEASON.



SPECIFICATIONS

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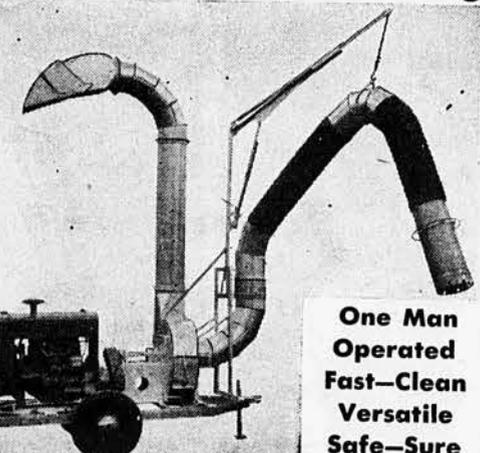
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The blower can be used with ordinary farm wagons or trucks. It is a one-man operation. The Pieck Blower eliminates wagon conveyors and dump systems, shoveling, raking and choked feed tables.

It is all but impossible to plug the pipe of the Pieck Blower. There is no feed table to back to or lift out of the way—just drive under the tube and start to unload.

Available with belt pulley for 3-plow tractor or motor mounting.

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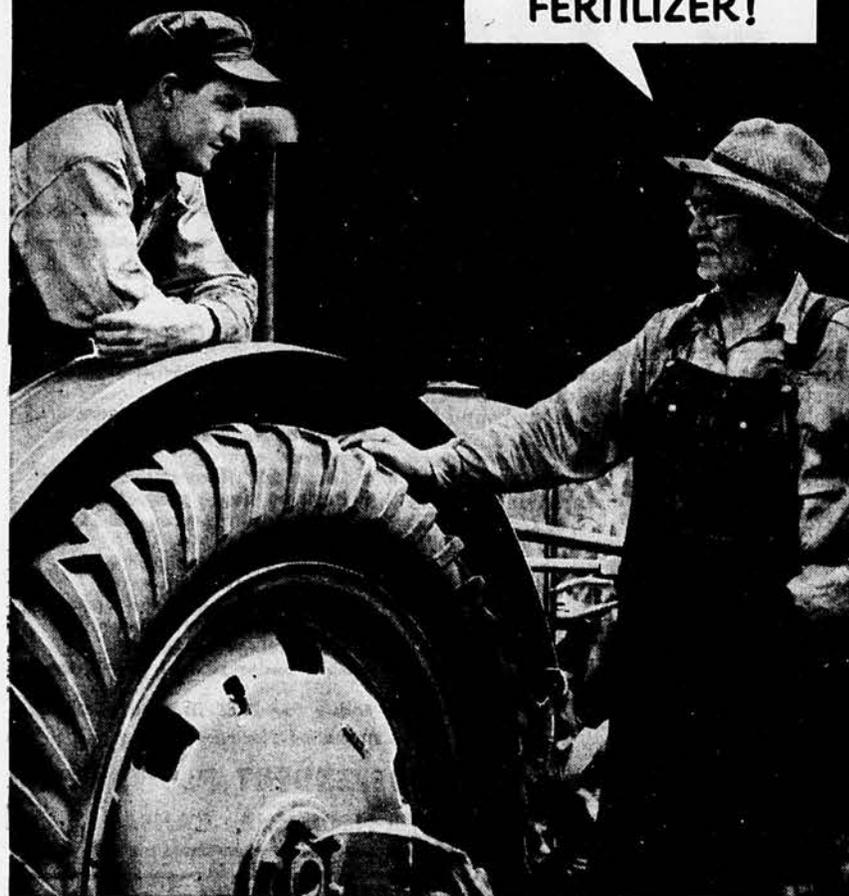
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**YOU BET! THAT'S
WHY IT'S SMART TO
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HIGH NITROGEN
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• Are you getting ready to seed small grains such as wheat, oats or barley? If you want profit-boosting results, use a Phillips 66 High Nitrogen Fertilizer.

A high nitrogen fertilizer helps you get a better stand for winter and extra yields next year . . . *extra profits!* What's more, these good Phillips 66 Fertilizers are free-flowing, easy to apply.

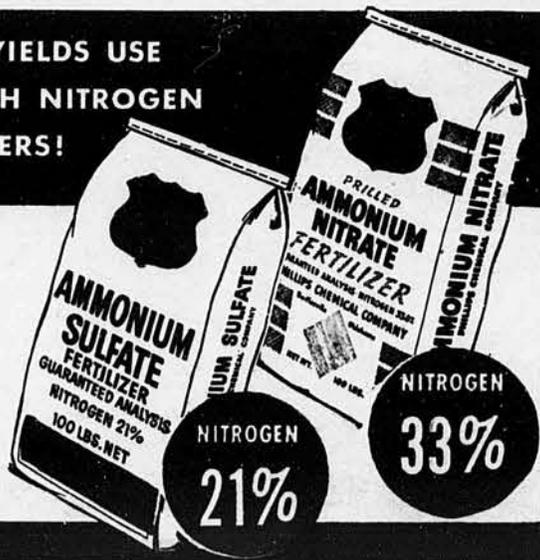
Use Phillips 66 Ammonium Sulfate (21% Nitrogen) or Phillips 66 Prilled Ammonium Nitrate (33% Nitrogen). The money you invest in these fertilizers will be returned to you many-fold in increased crop yields.

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Article No. 9

We Are Seeing America West and Northwest

By FRANCES R. WILLIAMS

MOST of August was spent in Northern California with our daughter and 3 little granddaughters. To meet our family at Medicine Lake, we traveled from Crater Lake to Klamath Falls, where we picked up our mail. Our route led south to Tule Lake, that region where thousands of Japanese were interned during the war. All trace of the camp has been obliterated. Vast wheat fields, where harvest was beginning, have taken its place. The Lava Beds National Monument found in this section is a very interesting place, altho it has received little publicity.

We found our family camped at Medicine Lake, after traveling some of California's worst logging roads. Our stay at Medicine Lake was short, because the high elevation made it too cold for comfort. Moving to Lassen Park, we located our camp on the shores of Manzanita Lake, which proved an ideal spot to vacation.

Just 5,000 Years Old

Lassen Park, established as a national park in 1916, was named for Peter Lassen, a pioneer guide of the region. Chief point of interest is Mount Lassen. This mountain, most southernly of many volcanic peaks of the Cascade range, is a plug-type volcano. It came into being about 5,000 years ago, formed by masses of thick molten lava being pushed up from the interior of the earth, as one pushes toothpaste from the tube. The most recent eruptions of the mountain occurred between 1914 and 1921.

One area of the park shows the devastation caused by the eruption of May, 1914. The black tongue of lava rock one sees down the side of the peak caused a sudden melting of the great snow cap. The flow of water, mud and volcanic ash roared down the mountainside uprooting trees and carrying with it great boulders the size of a house. A short time later a powerful gas blast occurred which leveled all trees in the area that escaped the mud flow. During the 35 years since, Mother Nature has been at work to repair the damage. The tree trunks and stumps are decaying and new growths of trees and shrubs are slowly covering the scars.

Deep Snow on July 4

Summer comes late to Lassen Park. On July 4, only a one-way road had been cleared thru the 40 feet of packed snow on the Peak highway, which traverses the park. Lake Helen, named in honor of Helen Tanner Bropt, first white woman to climb the peak in 1860, is located where the elevation is 8,500 feet. This lake, 110 feet deep, was still frozen over as late as July 17.

Greatest event of our stay occurred on August 17. That day will go down in history as the day I CLIMBED MT. LASSEN, 10,540 feet high.

The top of the mountain resembles a saucer, one-fourth mile across, with piles of rough lava rocks scattered thickly about. Paths crisscross the crater leading to several viewpoints. One edge is 50 or more feet higher than the remainder of the crater and the climb of this last 50 feet was the hardest. The day was clear and the view from the top of the mountain was a grand climax after the laborious 3-hour climb. The whole world lay below us: Beautiful Mt. Shasta to the north, the Coast range and the great valley of the Sacramento to the west; the forests and lovely Lake Almanor to the south and east, while to the northeast we looked down on Cinder Cone, also one of Lassen Park's wonders. This perfect cone of volcanic ash was formed by an eruption in 1851. Steam vents in places on the crater warn the visitor that Mt. Lassen is a dormant volcano.

Two days after climbing the mountain we joined a party in charge of a park ranger for a hike to "Bumpass Hell," a region of mud geysers, hot springs and the like similar to the Norris Basin in Yellowstone, discovered by John Bumpass in 1860. Less strenuous were the evening drives to different areas of the park to count deer. Fifty deer were often counted in the drive. Twin fawns are common among the

mule deer of the park, and twice we saw a doe with triplets, while on 3 different occasions we saw the rare albino fawn discovered in the park last summer.

Where Gold Was Discovered

Leaving Lassen park one morning in late August we traveled thru the extensive lumbering region of Northern California and took the Feather River Canyon highway, one of the state's scenic highways. A side trip took us to Coloma, site of the discovery of gold in 1848. The centennial of the discovery was celebrated in January, 1948, during our former stay in California, attended by 100,000 people, including state officials and a galaxy of movie stars.

Located on the north fork of the American river, John Marshall with several workmen was carrying out instructions of the owner, John Sutter, to construct a sawmill on the river when bright specks discovered in the tailrace proved to be gold. A monument has been erected where the mill stood. In the museum across the road from the "Site," many relics are exhibited that are connected with the discovery of gold and the days of the Forty-Niners. A mile away on the sidehill a monument marks the grave of John Marshall. The man's figure atop the monument points to Discovery Site, the event that changed the whole course of history.

North of San Francisco

The Sonoma Valley is famous for its vineyards. Near Glen Ellen is the ranch and home of the late Jack London. The "Valley of the Moon" where London wrote many of his books is now a dude ranch, operated by Mrs. London. General Hap Arnold, weary with war duties, retired to his ranch in this beautiful valley, but sudden death cut short his enjoyment of this peaceful spot. We saw fine herds of cattle, comfortable ranch homes surrounded by ancient oaks with gray moss hanging from the limbs. The tall eucalyptus trees that line the highway remind one of slattern women with untidy hair.

Santa Rosa, in the heart of the great fruit- and nut-producing area, is the home of the late Luther Burbank. He once said of Santa Rosa Valley, "This is the chosen spot of all the earth." His home experiment garden is in the city limits of Santa Rosa and adjoins his modest home. Burbank was born in Massachusetts in 1849, the year of the Gold Rush, but his contribution to the fruit growers of the state has been of greater value than all of the gold. Like Edison, he was a self-made man. He was a student of Darwin but had very little scientific training. He worked alone and left very few records, but it is certain he introduced more than 200 varieties of fruit. No complete catalog was ever made of his plants. He is buried beneath the great Cedar of Lebanon in the yard of his home.

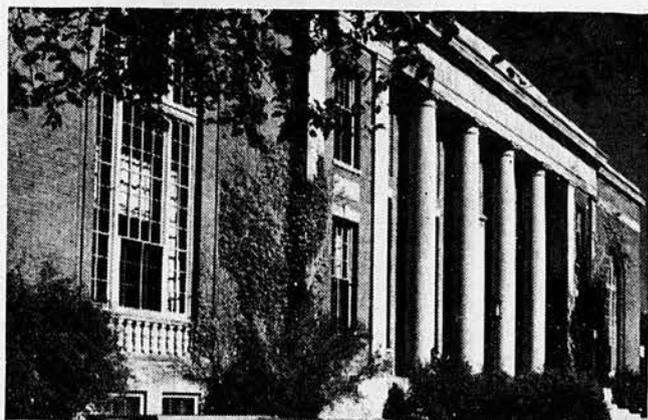
The Redwood Empire

The Redwood Empire extends from Muir Woods, north of San Francisco, into Southern Oregon. The Redwood or Sequoia, oldest living things, are of 2 varieties. Those located along the coast are known as the Sequoia sempervirens; those found in the Sierra mountains are the Sequoia gigantea. The latter have been preserved for many years in national parks and forests, but many groves of the coast Redwoods are owned by lumber companies. Already one third of the entire Redwood belt has been cut over. At the normal rate of logging, the remaining first growth of Coastal Redwoods could disappear, it is said, in 50 years. An organization known as "Save the Redwoods League" is co-operating with the state in acquiring parcels of land in the Redwood belt, but the work is far from complete. Some of the finest specimens are found in "Founder's Grove" near Dyerville. Purchased thru efforts of the league, the grove contains the "World's Tallest Tree." This giant redwood rises to the majestic height of 364 feet and measures 47 feet in circumference at the base. It was a sturdy tree when Christ was born.

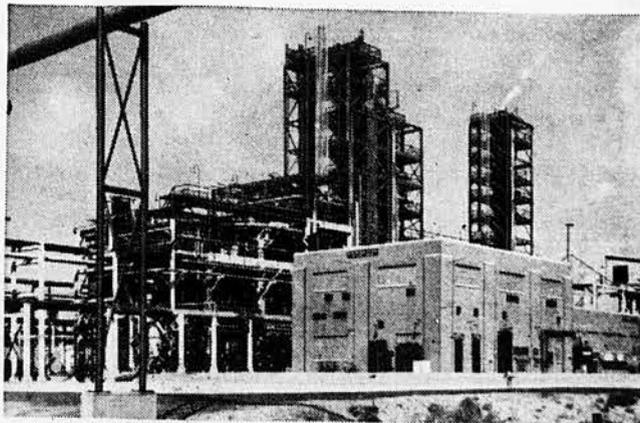


"I am Mrs. John Cabanis of Mason City, Iowa. Two years ago, my picture appeared in an advertisement, with the pictures of eleven other of the owners of Standard Oil and its subsidiary companies. Besides my name and address, all the ad said about me was that I am a widow who has owned Standard Oil stock for many years, and that the dividends from it helped put my son through college. Soon after the ad appeared I began receiving mail from people I'd never heard of. Some of them seemed surprised that a big company like Standard Oil is owned by a great many everyday people.

"I myself had learned from the company's annual report that there are many thousands of owners of Standard Oil, including a number of business firms and educational and charitable institutions. Most of the owners are people like me and like you. We invested our money, and as a return on this investment, Standard Oil pays us dividends. Dividends paid last year had a value of \$3.14 per share. The company has paid dividends for 58 consecutive years. And, our investment is working for us and for a great many other people, too. Because of it, Standard Oil is able continually to build up its facilities for serving its customers. And it helps the company to create more and better paying jobs. It's nice to know that. It makes me feel more useful and more important—and it's a feeling that nearly everyone could share, by becoming a partner in some American business, as I am one of the more than 118,000 partners in Standard Oil."



AMONG OUR STOCKHOLDERS are many institutions—educational institutions like Coe College of Cedar Rapids, Iowa; charitable organizations, and hundreds of insurance companies and business firms. No institutional stockholder owns so much as 4% of our stock, and no individual owns so much as 1%.



THE MONEY MRS. CABANIS and her fellow stockholders have invested makes possible the average of \$31,400 in tools and equipment back of each Standard Oil worker which helps him to produce more, earn more and have steadier work. The public benefits, too, by being assured of a dependable supply of quality petroleum products.

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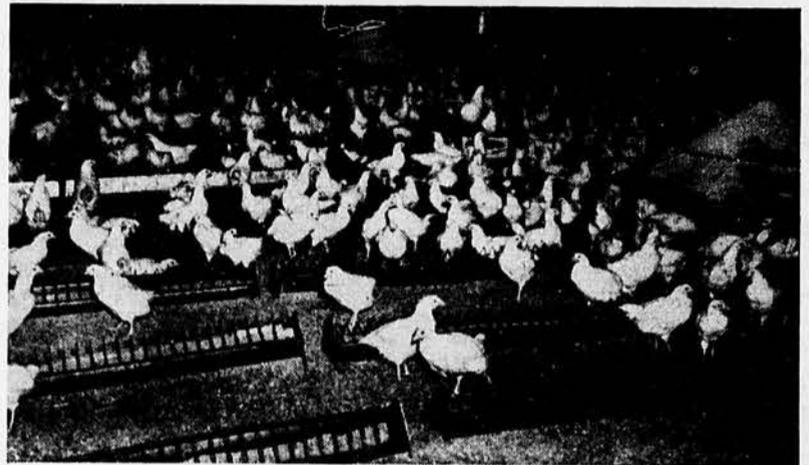
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BELLE CITY CORN PICKER

FERGUSON TRACTOR AND 63 FERGUSON SYSTEM IMPLEMENTS

Room for More Broilers

Consumption of poultry meat has jumped to new highs and continues to increase



THERE IS MONEY in broilers if grown on a large scale, and under good management. Only specialists are encouraged to get into the broiler business, however.

REAL progress is being made in producing poultry for meat, says G. D. McClaskey, manager of the Kansas Poultry Institute.

"When we started our Chicken-of-Tomorrow contests in 1946," says Mr. McClaskey, "our goal was for farmers to produce 3-pound liveweight chickens in 12 weeks. In our 1950 contest, 2 lots of chickens averaged 5 pounds and many entries averaged between 4 and 5 pounds. In one eastern contest the winning White Plymouth Rocks averaged 5 pounds dressed (undrawn)."

As a result of this progress in breeding, feeding and management since 1946, it now is felt some changes must be made in the contest rules. "I look for national contest officers to cut the growing time down to 10 weeks instead of 12," says Mr. McClaskey. He gives considerable credit for this shorter growing period to the new commercial broiler feeds.

Other changes are taking place in the poultry meat industry too, says Mr. McClaskey. "During the war," he points out, "when meat prices were high and beef and pork were hard to buy, millions of people found you didn't have to wait for Sundays and holidays to enjoy chicken."

As a result, consumption of poultry meat has jumped to new highs and has continued to increase since the war. Expansion of special "chicken dinner" cafes has been a big factor.

"As a result," says Mr. McClaskey, "there has been a big change in processing poultry in Kansas. Where in former days most all poultry was

shipped out of Kansas, much of it now is being consumed locally. Small, local processing plants have sprung up in many communities. It is not uncommon for a large broiler grower to install his own processing equipment."

There is room in Kansas for more broiler production, but Mr. McClaskey points out growing broilers is a specialized job. M. A. Seaton, Kansas State College Extension poultry specialist, echoes this idea.

"Profit per bird on broilers is necessarily small," (perhaps 15 to 20 cents a bird) says Mr. Seaton. "This means you must have a large volume to make the project worth while."

"A broiler grower must meet 3 requirements," says Mr. Seaton. These requirements are:

- "1. Be able to grow broilers with mortality rate of less than 5 per cent.
- "2. Be able to produce a pound of meat for each 3 pounds of feed, or less.
- "3. Be able to produce 3-pound chickens at 10 weeks of age."

Down in Arkansas, where broiler growing is the main farm industry, a study recently completed shows cost of producing broilers is divided as follows: 59.6 per cent for feed; 18.3 per cent for cost of chicks; 11.6 per cent for labor; 6.1 per cent for general expense, and 4.4 per cent for overhead.

Most authorities agree there is money in broilers if raised on a large scale under good management. If you are considering broilers, check with your county agent or with broiler growers to get ideas on equipment required and market outlets available.

County Demonstration Shows Poor Soil Can Come Back

BADLY eroded, worn-out farms can be brought back. And the farm can be made to pay cost of renovation. Frank Stuckey, Cherokee county farm agent, is demonstrating that on the county farm near Columbus. He also is demonstrating what it takes to grow sweet clover and how to prepare a grassed waterway in 1 year.

Final result will be a demonstration to show how a worn-out farm can be brought up to a level where it will support an active livestock program.

Agent Stuckey points to a 26½-acre field that had been abandoned 4 years. Had it been owned privately it still would have been listed for taxes. But it was not producing. Last crop grown was a 5-bushel wheat return. This field was badly eroded. Mr. Stuckey recalls it cost \$20 an acre to have the ditches dozed shut and terraces established.

Using 3 tons of lime an acre with 200 pounds of 4-12-4 fertilizer, the field was seeded to Pawnee wheat. In spring sweet clover was seeded in the wheat and 100 pounds of 0-20-0 phosphate was added, too. That first year the wheat made 13 bushels an acre, equal to the county average.

But the important development was this: Sweet clover was established. This year that field was ready to go back to oats and sweet clover again. Adequate amounts of fertilizer were scheduled to go along with the rotation. That field soon will be capable of supporting a good grass crop with high carrying capacity.

On another field of 56 acres, 36 acres went to wheat and sweet clover was seeded in spring in the wheat. It was limed with 3 tons of lime an acre and fertilized with 100 pounds of 8-24-8. Wheat made 23 bushels an acre. Half of the sweet clover was left for seed, then returned to wheat again. The other half was plowed down for green manure and planted to corn. The corn made 50 bushels an acre.

In this field Mr. Stuckey made plans for a grassed waterway. After an application of 10 tons of barnyard manure, it was limed at the 3-ton rate and fertilized with 200 pounds of 8-24-8 an acre. Later the waterway was top-dressed with 100 pounds of ammonium nitrate. It resulted in a quick, complete stand. The waterway was ready to take overflow from terraces in one year.

Mildew Leaflet

We have just prepared a new leaflet on the methods to prevent and remove mildew from clothing, other household fabrics, leather, books, rugs and furniture. Many readers, whose homes have been flooded or are damp for other reasons, will be interested in this leaflet. Send 3 cents to the Home Service Editor, Kansas Farmer, Topeka.

Congratulations on Come-back!

... Businesses Serving Farmers Show Faith in Agriculture by Speed in Getting on Job Again

By RALPH RILEY



EVEN A MAJOR FLOOD can't keep Kansas business institutions down. Many serving farmers have shoveled out the tons of mud, refinished their plants and hung up "Business as Usual" signs. Kaw River Valley Fertilizer Company, Lawrence, a subsidiary of Thurston Chemical Company, celebrated its reopening August 23, with a housewarming for the entire community.

WHEN the great flood of 1951 becomes legend and time heals memories of the yellow scourge that swept down some of our river valleys the middle of July, either greatly damaging or literally destroying everything in its path, old-timers of some future era will be talking about the "Mud of 1951."

For no great flood of previous years—and we have had some big ones, notably the one in 1903—ever carried a comparable amount of sediment that swirled and drifted about trees, homes and buildings, comparable for all the world to snow in a January blizzard—only those drifts seem in no hurry to leave under the sun's heat!

There's no question but that drifted dirt—unfortunately from Kansas farms—has been the biggest obstacle to an early rehabilitation program both on valley farms and in cities, particularly the latter.

With those introductory remarks, it may be in order to state at once that the problem of mud clearance and plant renovation is now the chief thought of hundreds of Kansas business institutions. For to most companies, whose main business is with farmers, there has been no easy way out. It has meant work around the clock to get back into production.

And it's refreshing to note a lot of them are hanging out the signs of "Business as Usual." There are probably hundreds of concerns under water 6 weeks ago that now are taking care

of their customer, almost as tho nothing had happened.

As an example, take the case of the Kaw River Valley Fertilizer Co., in Lawrence, a subsidiary of Thurston Chemical Company that celebrated the reopening of its plant last Thursday with a sort of housewarming in which the entire community participated. There was a speech by Mayor Chris Kraft, another by William Thurston, president of the company, as well as other prominent citizens. There were souvenirs for everybody with music and entertainment in a big tent.

The company, after enlarging its plant during the winter and early spring, had planned a big party early this summer, but then came the flood with all the headaches of getting things cleaned up and renovated. Better still, the mud had all been hauled away—hundreds of tons of it!

And all over the state the story could be duplicated. In Kansas City, the packing houses are back in production, most of them still handicapped but nevertheless at work. The big implement concerns whose products are seen everywhere were under water—that is, their warehouses—and they too are ready for business.

And don't forget the railroads whose lines suffered to the tune of millions of dollars. They, too, are back in operation and doing business at the old stand. And there are countless others whose individual names we wish we had room to print.

Coming Events

- September 2-4—Ford County Boot Hill Rodeo, Dodge City.
- September 3—Brown county, horse show.
- September 4—Osborne county, agriculture outlook, Osborne, by H. C. Love and C. E. Bartlett, KSC extension specialists.
- September 4—Osborne county, district outlook meeting, with C. E. Bartlett and H. C. Love, Downs.
- September 4—Seward county marketing meeting with KSC specialist, Norman Whitehair.
- September 4—Brown county 5th tractor maintenance school, Trapp and Kill Implement Company, 8 p. m.
- September 4—Labette county field day, Mound Valley Experiment Station.
- September 4—Barton county advisory committee meeting.
- September 4-5—Johnson county, leader training meeting, guiding the pre-school child, with Mrs. Vivian Briggs, KSC specialist, Olathe.
- September 5—Barton county home economics advisory committee meeting with Mrs. Dan Eckert.
- September 5—Ellis county fall outlook meeting.
- September 5—Smith county fall outlook meeting, Smith Center.
- September 5—Sedgwick county outlook meeting, Wichita.
- September 5-8—Ellis county junior free fair.
- September 6—Barton county 4-H council.
- September 6—Seward county CROPS, Extension Office, Mr. Palmer.
- September 6—Reno county outlook meeting.
- September 7—Johnson county, old settlers' picnic, Olathe.
- September 7—Ellis county, sorghum field day at Fort Hays Experiment Station.
- September 8-14—Kansas Free Fair, Topeka.
- September 10—Ellis county home demonstration unit training school.
- September 10—Ellis county health and sanitation meeting, with Martha Brill, KSC specialist.

- September 12—Barton county township officers dinner meeting, Holsington.
- September 14—Barton county 4-H council meeting, Holsington.
- September 16-21—Kansas State Fair, Hutchinson.
- September 21—Seward county small grain and legumes field day and tour, Liberal Experimental Field.
- September 23—Ellis county annual beef tour.
- September 24—Reno county livestock production meeting, with Lot Taylor and Leo Wendling.
- September 24, 25, 26—Labette county, Parsons fall festival.
- September 25—Ellis county annual beef tour.
- September 25—Sedgwick county fall field day.
- September 26—Reno county sorghum field day.
- September 26—Ellis county 4-H leaders meeting.
- September 26—Thomas county, fall outlook meeting, Colby, 8 p. m., with Ray Hoss and Oscar Norby.
- September 26—Shawnee county fall crops tour, with Luther Willoughby, KSC agronomy specialist.
- September 26—Sunner county annual beef day and barbecue, with Lot F. Taylor and Leo T. Wendling, KSC specialists, Wellington.
- September 27—Sunner county leader training on current public policies discussion, C. R. Jacard, Extension specialist assisting, 4-H building, Wellington.
- September 27—Phillips county, animal husbandry with Bass Powell.
- September 27—Pottawatomie county, cornfield day with L. E. Willoughby.
- September 27—Sedgwick county fall beef tour.
- September 28—Jefferson county-wide housing tour.
- September 28—Kingman county, deferred tour.
- September 28—Osborne county beef tour.
- October 2—Wallace county farm management outlook meeting—evening meeting.

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Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



Pies and tarts

Anyone Can Make
a Prize Winner

YOU'LL be "queen of tarts" if you serve your guests an assortment of fruit-filled tarts. They'll be good to eat and pretty, too. As for time, only a few moments more to make tarts than a large pie shell. For these small editions of pies, just shape circles of pie dough over the back of a regular muffin tin. Pinch edges, prick dough with a fork several times over. Bake at 450°. Cool and remove carefully. Fill the shells with frozen strawberries, or if you like cream filling, use a pudding mix. Top these with toasted coconut or nuts.

Sliced peaches, blue plums, in fact most colorful fruits, either fresh or frozen, are right for these tarts. Center with a bowl of whipped cream and garnish with a bit of mint sprig.

Anyone can make a prize lemon pie if directions are followed carefully. Here are a few timely hints that should make it easier for you to master the art of turning out an excellent lemon meringue pie.

When adding egg yolks to hot filling, take the saucepan off the stove, pour a couple of spoonfuls of the mixture into the beaten egg yolks. Stir well and then pour back into the saucepan. This cooks egg yolks more gradually, keeping them from becoming hard and lumpy.

Be careful not to overcook lemon pie filling for the result will be a thin, watery pie rather than a thick, easy-to-cut one.

Be sure that the filling is cool when meringue is spread over the top. A hot filling is likely to

cause moisture beneath the meringue or small, light-brown bubbles on top. Spread the meringue to the edge of the filling, then attach to the crust at all points to prevent shrinkage during the browning process.

Breakfast With a Friend

I love to eat at the house of a friend
At a table small and neat;
A mound of jelly or bowl of jam
And biscuit fluffy and sweet.

Fragrant coffee and cereal warm
And a bowl of fruit, maybe
And billy-bird in his cage close by,
Trilling a song for me.

And we chat as we leisurely breakfast,
While the clock ticks the minutes away,
And the sun streams in at the window,
Proclaiming a glorious day.

Not all the banquets in halls of wealth.
With display of silver and lace
Can compare with simple wholesome food
Across from a friendly face.

—Anna K. Leonard.

Prize Lemon Meringue Pie

7 tablespoons corn-starch	1½ cups hot water
1½ cups sugar (beet or cane)	3 egg yolks
¼ teaspoon salt	½ cup fresh lemon juice
	2 tablespoons butter

Mix cornstarch, sugar and salt thoroly in saucepan. Pour in hot water and cook over high heat, stirring constantly for 6 minutes or until mixture is thick and translucent. Remove from stove and add beaten egg yolks. Return to stove and cook at low heat, stirring constantly for 6 more minutes. Take off stove, add lemon juice and butter. Cool filling before pouring into baked pastry shell. Top with the following meringue.

Meringue

3 egg whites	¼ teaspoon cream of tartar
	6 tablespoons sugar (beet or cane)

Have eggs at room temperature. Beat egg whites and cream of tartar until foamy and white. Gradually add sugar. Beat until stiff, but not dry. Spread over filling, being careful to attach the meringue to edges of the crust. Make decorative swirls with back of spoon or spatula. Bake at 400° until golden brown. Cool for several hours, away from drafts before cutting. Cut this pie with a knife that has been dipped into warm water or melted butter. This makes a clean cut without sticking to the meringue.

Notes from the
**BEET SUGAR
KITCHEN**
by Nancy Haven



**DOWN LUNCH BOX LANE
BROWNIES**

A favorite with the small-fry scholar—and jiffy-mixed in a double boiler.

- 1/4 cup butter or margarine
- 2 (1-oz.) cakes unsweetened chocolate
- 1 cup Beet Sugar
- 1/2 cup sifted all-purpose flour
- 1/2 tsp. salt
- 2 eggs
- 1/2 tsp. vanilla extract
- 1 cup coarsely chopped walnut meats

Melt butter or margarine and chocolate in top of double boiler over hot water. Remove pan from water. Add sifted dry ingredients, eggs and flavoring; blend together thoroughly. Fold in nutmeats. Spread in lightly greased, 8-in.-square pan. Bake in mod. oven (350° F.) about 25 min. Cut while warm. Makes 16 bars.



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"The Way of All Cookies"—grand new recipes plus the "how to" of baking, decorating, storing and packing. (Address below.)

SPICED GRAPE JELLY

Use fresh or canned juice and 1/2 bottle liquid fruit pectin.

In a wide kettle combine 2 cups (1 pt.) Concord Grape Juice, 3 cups Beet Sugar, 1/2 tsp. ground allspice, 1/4 tsp. each ground mace, cloves and cinnamon. Proceed with jelly directions in pectin pamphlet. Makes five 6-oz. glasses.



For golden brown cookies and tender, sparkling jellies, use pure Beet Sugar—the sugar that is unsurpassed.

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We Announce . . .

Another Library Award

By FLORENCE MCKINNEY

Wycoff School, district 33 in Franklin county, now has a new start on a school library because Etta Faye Smith won an honorable mention award in the Kansas Farmer story-writing library book contest. Wycoff School lies in the Marias des Cygnes valley and the old library, the piano and desks all were flooded and must be replaced. Arrival



ETTA FAYE SMITH won a cash prize for herself and \$25 in books for her school library.

of the new books came at exactly the right time.

Etta Faye writes, "The books are just twice as dear to our school since we were a flood casualty. The water was about 5 feet deep in our school. The desks, piano and practically all the books were lost. These books will be a start of a new library."

Etta Faye was presented with a check for \$5 and her school won \$25 in books for the library. She lives on a 380-acre farm, 3 1/2 miles from Ottawa in the Marias des Cygne bottom. She is the oldest of 3 children, has a brother Stephen, and a sister, Sylvia Anne. She likes horses and when she was 7 her father bought her a beautiful bay pony. When she graduated from the eighth grade last spring she got a new western saddle and with the award check bought a blue wool saddle blanket.

She adds, "I learned to drive tractors when I was 10 and I help in little ways on the farm. My biggest interest and most important job is riding herd on the cattle, especially during calving season." But not all her time is spent outdoors, for she enjoys cooking and in 4-H Club work, she learned to sew and won 2 blue ribbons at the fair a year ago.

"Winning an award has been a big thrill for both me and our school. We are very much in need of new library books and our school board is planning on at least matching our award with additional books," she wrote us. But that was before the flood.

The following is Etta Faye's prize-winning story:

Why I Like to Live on a Farm

I'm a country girl and I love it! Coop me up in a city and I would be like a songbird with its wings clipped. I want the feeling of freedom that comes when I ride my horse across the meadow and feel the wind tear at my

hair. I like to fill my lungs with good clean country air. And at evening, I feel close to my God when I stand and watch a beautiful sunset painted in the sky. I think farming is more than an occupation, it's a way of life.

We all work side by side, aiming for the same goals. Then when the day's work is done, the family settles down to enjoy the evening together. Life gets a little rough on the farm sometimes but that is good, too. It teaches us to take the bitter with the better.

And food? We have such good food. I think I consume at least half of everything on the table or so Mom says.

There are so many things I can do on the farm to have fun. When I want to go fishing, I grab my pole and hike out for the creek. In the spring, I love to go flower hunting. I've always enjoyed helping plant the garden and watching it grow. I help Mom with the baby chicks.

But most of all, I like to watch the cows roving over the grassy meadow with bouncing young calves at their sides. Then, when I decide to be Dale Evans, I put on my cowgirl regalia, hop on my horse and gallop over the pasture with 70 head of cattle to practice on.

Being a country girl gives me a chance to be a 4-H Club member. My club work means a great deal to me. We learn to work and we learn to play.

Daddy has taught me to drive the tractor and help him out, too. It is said, "You can take the boy from the country, but you can't take the country from the boy." That goes for girls, too, and I am glad.—By Etta Faye Smith, Ottawa.

**The
Poet's Corner**

Song for September

Discard your comfortable patches,
Don your bright new jeans,
And slick your sun-burned hair . . .
We all know what this means.

A casual farewell to fields and farm-pets . . .

To all your summer joy . . .
They'll be waiting when school is out,
And you'll be a wiser boy.

Down the road with shoes on,
With new books and dinner pail,
Eyes a-sparkle for you know
You're treading a glory-trail.

The school bell is ringing,
Open the world's greatest doors
To your heritage of education,
Godspeed your learning chores!

—By Elva Buskirk Dreibelbis.

Ability

Sonny, you're able, you're cute and you're apt,
You're simply filled with the graces,
But did you have to learn quite so soon
How to untie your shoe laces!

—By Mary Holman Grimes.



EIGHTH GRADE CLASS members at Wycoff School in Franklin county are left to right: Margaret Pahlman, Etta Faye Smith, winner; Mrs. George Shuler, teacher; Gerald Schneider.

Tasty Talk Leaflet

We have a new supply of the leaflet "Tasty Talk," by Ann Pillsbury. It contains both recipes and methods of making their prize-winning cakes, pies and bread and rolls. Illustrations show the processes of making each one. Send 3 cents to the Home Service Editor, Kansas Farmer, Topeka.

Teacher Says So

Around our house there is one phrase
That keeps all of us jumping;
When our first grader comes from school,
"Because my teacher says so."

We have to mind our p's and q's
And let our r's be quiet,
We have to wash our socks just so
And stay upon our diet,
"Because my teacher says so."

The stove won't draw. It can't you know
It's not fixed right above us.
It needs a pipe and elbow too
And better wood, 'cause, love us,
"My teacher she said so."

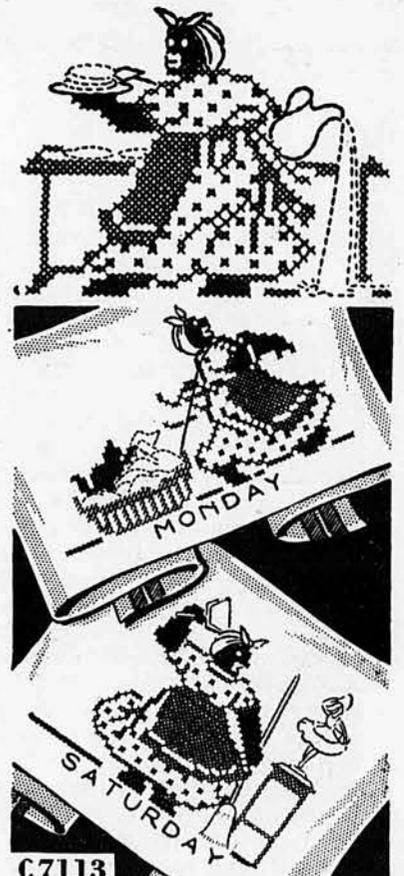
It really helps a lot you know
To have such good to guide us.
It makes the children wash their teeth
And helps whate'er betide us,
"Because my teacher says so."

—By Mary Alice Holden.

On Monday

I didn't get a letter
When the postman came today;
No flowers arrived as a surprise
From admirer far away.
I haven't any new spring hat
Secretly to admire,
Nor gloves, nor blouse nor lingerie,
Nor any new attire.
Nor news of welcome money
From unexpected source
Has come to greet my willing ears
With shock dispelling force;
But I've a buoyant feeling
From a victory that's mine . . .
The hour is just 9:30
And the washing's on the line!
—By C. S. M.

One for Each Day



It's fun to do dishes when you use these towels. Easy 8-to-the-inch cross-stitch. A little girl can embroider these. Pattern contains 7 transfers about 5 by 8 inches.

Send 25 cents to the Needlework Editor, Kansas Farmer, Topeka.

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KANSAS STATE

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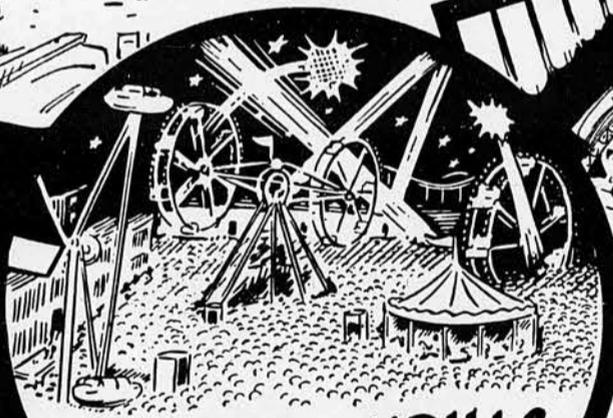
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See thousands of Prize animals . . . cattle . . . hogs . . . sheep . . . poultry . . . pigeons . . . rabbits . . . etc., at Kansas' Mightiest Livestock Exhibition. See the livestock being judged.

SEPT. 16-21 • HUTCHINSON

For Information, Prize List . . . Address: VIRGIL MILLER, SECRETARY, KANSAS STATE FAIR, HUTCHINSON, KANSAS

What If My Child Stutters

By MRS. MARION QUINLAN DAVIS

My 5-year-old boy is beginning to stammer, at times very badly. I would like to know what causes a child to stammer. Is it better to pretend not to notice it and do they get completely over it? I will watch for your answer as I am deeply encerned.—A Reader.

HERE is Mrs. Davis's reply. Stuttering is a symptom of emotional disturbance. It is not a speech defect, but a speech disorder. There are more than 10 million persons suffering from speech disorders in this country. The great majority are in this condition because of some emotional disturbance. They have learned a faulty approach to some of the realities of life. They need to be taught how to live.

Stutterers who have achieved great things have some talent and many interests. They are objective, observant, think of other things besides speech, contribute to their fellowmen and lose themselves in work greater than themselves. Among a long list of stutterers who are men of achievement are Andrew Mellon, Charles Kingsley and Charles Lamb, Arnold Bennett, Somerset Maugham and Phillips Brooks. Charles Kingsley and Phillips Brooks were great preachers. Stutterers always are able to sing without stuttering. Often they are able to act and preach because they are then in a role outside themselves, playing the part of someone else and concentrating on ideas rather than on themselves and their speech.

A great majority of stuttering cases originate in childhood and are most easily cured in childhood. The major-

ity of stutterers are boys. There are 5 to 6 stuttering boys to one stuttering girl.

Stuttering children usually have sensitive, impressionable, high-strung, excitable or emotional temperaments. Is isn't only the jittery, active child, always on the go, who is nervous. If your child is quiet and docile he may have discovered that giving in makes life easier for him.

He takes his hostilities, resentments and aggressive feelings out on himself. He bites his finger nails, develops facial tics (twitches his face) or stutters.

Stuttering may develop after an illness, an accident or a shock or after a

Have a Question?

We invite questions from readers on problems you face with your children. Questions about relationships between children, school problems, nail-biting, stammering, teasing . . . anything that confronts you that does not seem normal. Do you have a question? If so, send it to the Women's Editor, Kansas Farmer, Topeka. Mrs. Davis will answer in a future issue.

change of environment. Appearance of stuttering when a child starts to school is very common. A new baby in the family, or a feeling that he is losing in

competition with brothers and sisters, may start stuttering.

More than other children, a child with a nervous system predisposed to stuttering needs affection and to be reassured he is wanted and loved. In a majority of cases, home tensions are back of stuttering. In the history of most stutterers, there is a domineering parent, or a nervous, high strung parent and a background of tensions and stress in the home.

When a boy or girl who previously has talked well begins to stutter, the speech symptom is a cry for help . . . an indication the child is meeting some environmental situation with which he cannot adequately cope. It is little short of criminal to ridicule, mimic, shame, scold or slap, for a stuttering child is an ill child.

Spirit of Calm

In dealing with a child who stutters, firmness is required, but firmness given in a spirit of calm, quiet gentleness and sympathy. He responds to fun, humor and laughter as a rule, provided it is not the overexciting and hysterical variety. Family quarrels and excitable outbursts should be avoided, so should explosive relatives.

The stuttering child is unsure of himself. He has little confidence or self-respect. If he is bright, don't push him ahead too rapidly, but approve and encourage his accomplishments. Don't hold too high standards for him. Enrich the curriculum for him rather than skip grades. He needs to forget speech and to forget himself in work he enjoys . . . work that is the outcome of his interests and hobbies. He requires more than the ordinary amount of rest and relaxation and sleep, and to be slowed down emotionally.

This does not mean he is to be slowed down mentally or physically. It is an inner calm and slowness of emotional response that is the goal for the stuttering child.

Give him plenty of chances to work off the natural aggressiveness of child-

Future Storage for Sewing



NOW IT'S THE LITTLE TOTS bedroom, but it's planned for the homemaker's sewing room with just the right space for her dress form, the space just below for storing sewing machine. Files are built for patterns.

Quick As a Wink Cake Toppings

Just spread the topping on the cake before it's baked . . . that's a speedy way and good, too. One recipe calls for spices and nuts. To make it, mix ¼ cup brown sugar, firmly packed with ½ cup sifted flour and ½ teaspoon cinnamon. Add ¾ cup chopped nuts and a dash of salt. Spread on top of the cake batter in the pans and bake as usual.

Another calls for honey and nuts. Blend together 1 cup chopped nuts and ¾ cup honey and spread on top of the baked cake. Toast in a hot oven (425°) for 8 to 10 minutes.

School Flooded Liked Library Contest

Dear Editor:

The way in which *Kansas Farmer* has handled its recent story-writing contest deserves high praise.

Sharing the thrills of Etta Faye has brought much pleasure not only to us, as parents, but to her teacher and friends in the community as well.

By publishing so many well-written essays you gave encouragement and pleasure to many youngsters who worked hard and held high hopes.

As for your prize winners . . . what fun they are having! First, the letter bearing the good news, then the excellent selection of good books arrived, and finally the thrill of seeing their printed essays and write-up.

As Etta Faye told you, our library books mean so much this year. After completely refitting our schoolroom, money for additional books will be rather scanty.

Here's hoping *Kansas Farmer* will sponsor similar contests in the future. They are so worthwhile.—By Mrs. Ray V. Smith, Franklin county.

For Autumn Picnic

Do you want to barbecue chicken for the picnic? We can have details on equipment, food and menus needed for groups of 10 to 500 persons sent to you. Address a post card to Service Editor, *Kansas Farmer*, Topeka, for free copy of leaflet, "Barbecuing Chickens."

hood. Let him climb trees, build shacks, dig caves, hammer, drive nails, bat a ball and take part in games and sports. The stuttering child must not be policed, that is constantly nagged, supervised, corrected, criticized, bossed and dictated to. He needs to be let alone as much as possible.

In dealing with a child who stutters it is very important to enlist his teacher's co-operation and understanding of the problem. What the neighbors think is of no importance, however.

Always, in case of the child who stutters, the question is . . . What is best for the child?

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Gives You
BIG PROFITS
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Gives Normal HOGS 27% FASTER
GROWTH With 14% LESS FEED

HOG-GAIN increases your hog profits in two important ways. First, it helps make RUNTS profitable . . . thus reducing costly feed waste. Second, it stimulates growth of normal pigs of all ages . . . even from 125 pounds to market weight.

Helps Hogs Combat High "Disease Level"
—On one farm the "disease level" (degree of premise contamination) may be high; on another it may be low.

Dr. Damon Catron, of Iowa State College, attributes this variation in "disease level" as the only satisfactory explanation for one hog raiser doing well, another doing poorly when identical rations are fed well-bred pigs under similar management conditions.

Pigs raised in contaminated surroundings need more highly fortified rations. HOG-GAIN helps hogs combat a high "disease level." Produces faster growing pigs that are more uniform, more profitable.

Here's What Users Say:

"The pig pictured above weighed only 56 pounds at 3 months of age. After Hog-Gain and a commercial feed were added to the ration, it reached 205 pounds in 80 days." Lee Robinson, Route 3, Abilene, Texas.

"I tested Hog-Gain on runty pigs weighing about 25 pounds. At market time these runts weighed more than my normal pigs, which were not fed

Hog-Gain. All my pigs get Hog-Gain now!" John Thompson, Marland, Oklahoma.

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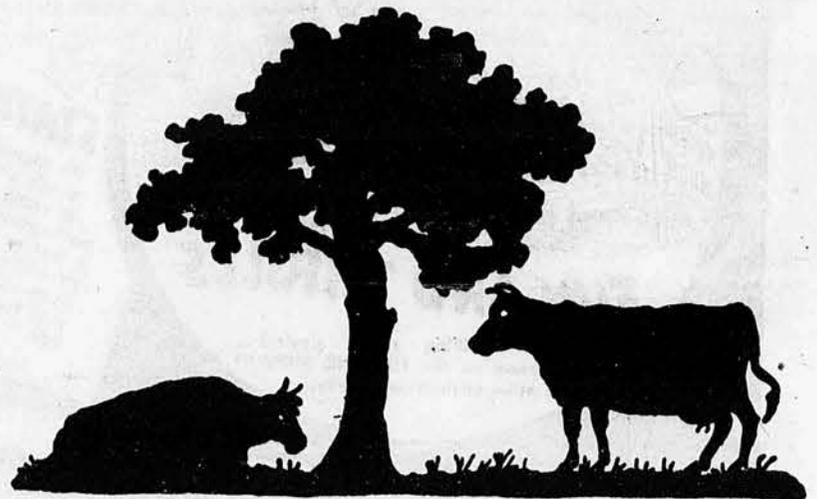
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Please send bulletin on HOG-GAIN
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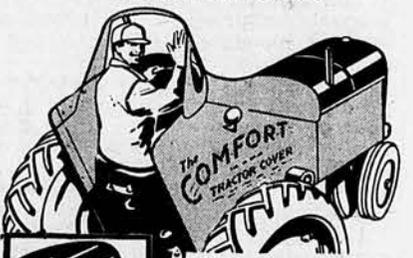


Said one cow to another, "I say,
Why waste time chewing gum every day?"
She replied, "Cease your mooing,
It's not gum I'm chewing,
But my cud; this is work and not play."
—By Margaret Whittemore.

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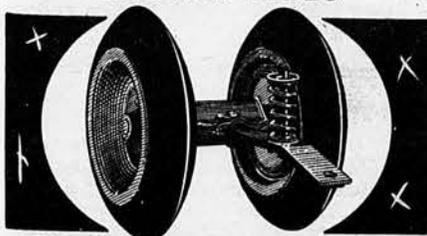
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Here's What Causes Spontaneous Combustion

EVERY year in the United States spontaneous combustion causes thousands of farm fires, inflicting damages into the millions of dollars. Last year fires starting in haymows on U. S. farms destroyed equipment, buildings, feed and livestock valued at \$20,000,000. And spontaneous combustion is usually blamed for fires breaking out in haymows and haystacks.

Hay should be well cured before it is stored in mows. Heating begins in green or moldy hay and a fire can break out. Deep inside the hay, the fermentative action of bacteria and other micro-organisms carries on the process of raising the temperature of hay to the "ignition" point. The surrounding layer of hay acts as a heat insulator, driving the temperature higher. It's been estimated 1/10 of the entire harvested hay crop of the United States (usually worth \$1,300,000,000) is destroyed due to spontaneous combustion.

What to do about it? Check freshly-stored hay regularly for several weeks for signs of heating. Best precaution is forcing a pipe down into the mow to



take a temperature reading. Also, be prepared with sand, rope, ladder, water pails and hose in a handy place. Do away with old piles and stacks of oily paper, rags, woolens, cottons, other materials—this is the worst "breeding ground" for spontaneous combustion.

Straight Corn Rows Are Gone Forever

PRIDE cometh before a fall when you're living on a hill farm. That's what O. A. Whitney, of Phillips county, says. "We used to pride ourselves on our straight corn rows up and down these hills," he recalls. "As a result our side hills all washed down into the gullies."

But those days are "gone forever" on the Whitney farm. Mr. Whitney now farms his 1,800 acres on a proper land use basis. Of the 1,800 acres only 300 now are under cultivation.

"We now have a cow herd and are building up to a point where we can produce 100 calves a year," says Mr. Whitney. "This means, of course, that our farming is based on a maximum of grazing and the production of roughage."

Wheat pasture is utilized as much as possible. Wheat is always seeded on fallow and sweet clover is used in the crop rotation. "I try to seed 100 acres of sweet clover a year," says Mr. Whitney. On some old sweet clover stands he sometimes one-ways and seeds oats in spring to get some grain. If oats fail

to come thru as a grain crop he pastures them off.

First- and second-year sweet clover are pastured in both spring and fall—some years as early as March 1. Clover is pastured right thru summer unless a hay crop is desired. Hay is cut and stacked green in small stacks in the field. Cattle run to these and eliminate the labor of feeding. This practice also keeps manure on fields with no labor.

Only grain fed on the farm is to coming yearlings. These are put on grain at weaning time and given 3 or 4 pounds of oats or milo a day. However, Mr. Whitney wants to eliminate this. "I plan to try producing my own alfalfa hay to see whether I can raise all the protein needed for the cattle," he says.

One thing stressed on the farm is stock water. There are 7 or 8 large ponds scattered over the farm and perhaps 20 places on the farm where cattle can get water. Good distribution of water evens up the grazing of pastures and helps cattle get maximum gains from their feed, Mr. Whitney believes.

Takes a Lot of Things To Save a Farm

THERE is a lot more to a good conservation program than "just terraces" or "just seeding sweet clover," thinks Glen Beal, Greenwood county farmer.

"I'm finding it takes a lot of different steps to give maximum conservation results," says Mr. Beal.

When he took over his present farm he found water rushing down from the hills was causing severe sheet and ditch erosion. A creek running thru the farm often flooded, covering some of his best land and washing out crops.

Some of his fields were so low in fertility something had to be done. "I had one field that wouldn't even grow cane any more," says Mr. Beal.

A ¼-mile diversion ditch has made it possible to put 4 small fields into one larger one that is easier to farm. A channel change in the creek at comparatively small cost stopped flooding his best bottom land.

"Nearly all of my cropland has been limed with 3 to 5 tons an acre," says Mr. Beal. The cropping program is being switched away from cash grain where possible and into grass and leg-

umes. Out of 240 acres of cropland he has 35 acres of alfalfa and 35 acres of sweet clover and 110 acres of a bromespedeza mixture.

Even with this strong legume rotation, Mr. Beal still finds it pays to use commercial fertilizer on cash crops. "I use 200 pounds of 10-20-0 an acre on wheat at planting time and 175 pounds of 10-20-0 an acre on corn at planting time," he says. This year he harvested 40-bushel wheat from the field that wouldn't grow cane 10 years ago.

Pasture improvement on the farm has included building several ponds. "I hauled water to cattle 1 or 2 years in the 30's and said I never wanted to go thru that again," recalls Mr. Beal.

He is one of the few farmers in Greenwood county following a deferred-feeding program. He has 110 steers this year. By planting less grain crops and going more to grass and legumes he hopes to increase the stock-carrying capacity of his farm.

The Beal home has just undergone a complete overhauling, too. A furnace and complete water system were installed.



THESE STEERS on the Glen Beal farm, Greenwood county, have plenty of water, and Mr. Beal is planning more grass and legumes to strengthen the pasture program.

You'll Profit Two Ways with POMONA



1. With a Fairbanks-Morse Pomona Deepwell Turbine Pump, you're assured a plentiful, dependable water supply to irrigate your crops. You get positive protection against drought... can increase yields from present non-irrigated acreage.

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Here's Why It PAYS to Worm with Lee's GIZZARD CAPSULES



Most flocks have some worms — worms cut egg production and endanger flock health. Gizzard Capsules get the worms — without knocking egg production!

- Gives birds measured dose of medicine
- Releases drugs in gizzard for best results
- Hard on worms — easy on birds

Economical! Adult size:
10-caps 20c; 50-caps 85c;
100-caps \$1.40

Now at your Lee Dealer's — Drug, Hatchery, Feed, Seed Stores



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NOW ALL THE GAS MILEAGE YOUR CAR CAN DELIVER!

PROVED AGAIN in 1951 Mobilgas Economy Run!

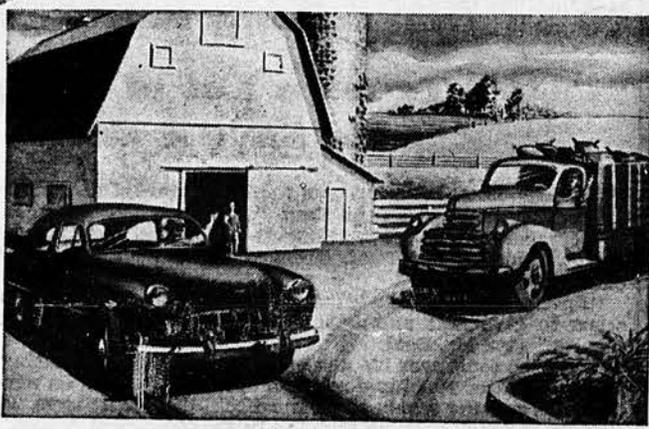


Official AAA Records Show: 32 Different Makes and Models of American Stock Cars Averaged 23.92 Miles Per Gallon!

The non-professional drivers in this grueling, 840-mile Los Angeles-to-Grand Canyon run all used Mobilgas or Mobilgas Special, stopped for regular Mobil-Care, and obeyed all traffic laws. Their amazing performance proved that every car is capable of improved gas mileage—greater all-around operating economy day in and day out, under all conditions!

Cars, Trucks and Tractors Can Get Improved Economy, Too!

Yes, you can expect—and get—improved gas mileage from your cars, trucks and tractors, too! Just do as these drivers did . . . drive carefully, keep your equipment in tip-top shape and use one of America's favorite gasolines . . . Mobilgas or Mobilgas Special!



Get America's Largest-Selling Gasoline Brand—
Mobilgas SPECIAL
 or **Mobilgas**



Get Mobil-Care Regularly—use Mobilgas or Mobilgas Special. That's how to get all the gas mileage your cars, trucks and tractors can deliver!

Cattlemen Villains

(Continued from Page 5)

quires that distributors be allowed pre-Korean markups (on a percentage basis) on goods handled.

The Capehart amendment, President Truman declared, is "an economic booby trap."

You can take your choice of the prophets on prices in the immediate future. Depending largely on the definition of "immediate."

As of today, the supply of consumer goods, both durable and soft, is in excess of present demand. Consumers think prices too high. All over the country, manufacturers and handlers are trying to get rid of excessive inventories. The buying public, having splurged last fall, winter and well into spring in buying, as a result of the Korean war, now is sitting back waiting for lower prices.

Government Spending Higher

But as of tomorrow—tomorrow being a period beginning perhaps December or January—the huge rearmament program promises to cut down supply of materials for civilian manufacture, especially of durable goods, such as autos, trucks, farm machinery, refrigerators, household appliances containing metals, etc. And government spending for war supplies is scheduled to mount steadily. Added together, these mean more spendable dollars, smaller supplies of goods that can be purchased with the increased number of dollars. More dollars, fewer quantities of goods, mean higher prices. Unless workable price controls can be enforced.

Wayne Darrow, in his Washington Farm letter, sums it up:

"Trend of farm prices will be up. Most markets will strengthen. But the major price rises are due in non-farm prices. Farm operating costs will advance more than farm prices."

The Kiplinger Agricultural Letter sees the weather these coming weeks as "crucial." Second-largest harvest in history is predicted by Bureau of Agricultural Economics. Despite floods in some areas, drouths in others, total crop production is forecast as being almost as large as the record output of 1948. Right kind of growing weather could boost prospects well above present indications. Early frosts or continued rains in the too-wet areas could cut down production considerably.

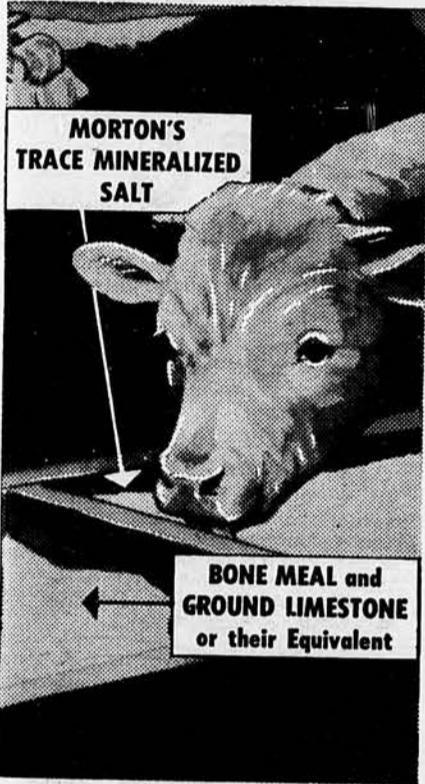
Babson's Washington Forecast, which has been more often right than the columnists in predicting Russian moves in the past 3 or 4 years, advises clients that General Eisenhower has confirmed, in conferences with members of Congress visiting him in Paris, that the danger of military conquest by Russia has been overestimated—that the main perils to the United States and other countries not yet under Stalin's iron yoke "is from the rat-pack of Communists who are committed to betrayal of their own countries."

Ambition of internationalists and industrialists and traders and contractors who profit from government-financed exports to nations overseas and from government armament and other extravagant spendings is to have Truman nominated on the Democrat ticket and Eisenhower on the Republican ticket in 1952.

Fire Protection

Farmers must always be alert to protect their property against fire hazards. Water is recognized as one of the most effective agents for extinguishing fires in ordinary combustible material. It should be readily available, both in winter and in summer and in such quantities as to provide adequate first-aid fire protection. Calcium chloride in the water provides year-round protection, as it acts as an anti-freeze to the water, it resists evaporation, and prevents stagnation. The National Board of Fire Underwriters approves the use of calcium chloride for fire barrels and fire pails. A recently published circular giving adequate information on this subject may be ordered by post card from Farm Service Editor, Kansas Farmer, Topeka, Kan. A copy of this circular, "First Aid Fire Protection with Calcium Chloride," should be in every home.

Feed Minerals this SIMPLE ECONOMICAL WAY



THE animal body is a combination of water, protein, fat, and minerals, with minerals accounting for the smallest, yet a vitally important part.

Minerals are important to bone. They are found in blood, muscle tissue and vital organs. In addition, they help control the enzyme, vitamin and hormone functions — the highly complex delicately balanced activities that convert feed into nutrients and, in turn, build nutrients into growth, heavy production and healthy young.

The easy, economical way to make sure your livestock get all the minerals they need is to follow this simple plan.

Put a bone meal and ground limestone mixture or their equivalents in one side of a divided mineral box. This supplies calcium and phosphorus as well as traces of sulphur, magnesium and potassium. In the other side of the box put Morton's Trace Mineralized Salt. This supplies both the salt and the trace minerals — cobalt, manganese, iron, copper, iodine and zinc, which are needed only in very small amounts.

Fed free choice, this plan supplies a balanced mineral ration. Your dairy cows, beef animals, hogs and sheep will take what they want and need for thrifty use of feed, rapid gains, good reproduction. Ask your dealer for Morton's Trace Mineralized Salt by name — feed it free choice.

FREE Just off the press, this 32-page book gives you the complete facts on feeding salt and trace minerals to all classes of animals. Mailed FREE and postpaid. Morton Salt Co., P. O. Box 781, Chicago 90, Ill.



Marketing Viewpoint

By C. P. Wilson, Livestock; John H. McCoy, Feed Grains; Paul L. Kelley, Dairy Products.

What price should we expect to pay for feeder lambs this fall?—B. K.

Early quotations on feeder lambs at Omaha indicate prices for good and choice feeder lambs ranging from \$30 to \$32.50. At Fort Worth, prices ranged downward from \$29. Feeder lamb prices probably will not get much cheaper. A year ago top price for feeder lambs was \$28 but by October the top reached \$30 and by December it reached \$32. The same kind of an advance could occur again this fall, particularly if wheat pasture prospects should appear favorable by mid-October.

Will hog prices drop sharply? How low will they go?—J. B.

Hog prices are expected to decline over the next 3 months. Rather sharp declines could occur after early September as the large spring pig crop moves to market in volume. Winter low in prices probably will be in late November or early December when prices may reach \$19 or thereabouts. If you have hogs approaching marketable weights, it would pay to top them out and sell as soon as possible.

I will need to buy grain for winter and spring feed. When should I buy it?—R. I.

It probably will be to your advantage to lay in a supply during fall or early winter. At this time, peak marketings of new-crop corn and grain sorghum are expected to exert their greatest pressure on prices. The basic situation points to strong feed grain prices next spring and summer. In comparison to the current year, a greater number of livestock will be fed on a smaller feed supply during the coming feed year beginning October 1, 1951.

What are chances for ceiling levels being reached by prices of milk and butterfat this fall?—J. H.

It seems unlikely ceiling prices will be imposed on farm price of milk and cream this fall. Butterfat and milk prices approached ceiling levels during midsummer. However, parity index rises during fall and winter and it is expected dairy prices will not reach this level. Also, the new OPS act requires that no ceiling prices for milk or butterfat used for manufacturing dairy products shall be issued unless the Secretary of Agriculture shall determine that such prices are reasonable in view of the price and availability of feeds and other economic conditions which affect the supply and demand for dairy products.

Good Grazing Management Holds Broom Sedge Down

Broom sedge has been a threat to good grass on the Charles Samp farm, Crawford county, for 20 years. He has managed to keep it subdued in his pastures with careful grazing. But broom sedge still is present. He also has limed and phosphated his native pastures to provide better grazing for his cattle.

Actually, he likes cattle well enough that he takes excellent care of his pastures to make sure they will get sufficient grass. That includes rather light grazing. That would result in a low meat-per-acre figure.

Mr. Samp has 4 acres of a brome grass and alfalfa mixture on his farm. Carrying capacity of this mixture is good when properly fertilized. So he plans to put even more of his acreage into this mixture of grass and legume to provide higher carrying capacity.

For Weeds and Brush

A leaflet giving the most complete, up-to-date information on use of 2,4-D weedkiller in all crops is now available. It is entitled, "Recommendations for Agricultural Use of Weedone." Another pamphlet, "Use of Weedone Brush Killer 32 All Year 'Round." We have these leaflets on hand and can send you a copy of each one. Write Farm Service Editor, Kansas Farmer, Topeka, and enclose 2c for postage.



get a head start in SORGHUM harvesting

with your own **ALL-CROP** Harvester

Sorghum for seed is in keen demand, at profitable prices to the grower. Harvesting it without crackage, skinning, or excess moisture is necessary to preserve germination.

Here's how experienced sorghum growers do it. They get a head start by clipping the heads cleanly . . . *at the right height . . . at the right time . . .* with an ALL-CROP Harvester of their own.

Most of the stover is left for forage or pasture. Leaf tips go through the harvester's wide, rubber-faced bar cylinder *unshredded*. Stalk sap is kept from dampening the seed. Grain kernels are cushioned by the rubber . . . where bare steel would bruise the seed germ.

Besides many varieties of sorghums, the ALL-CROP Harvester has successfully harvested over 100 other grain, bean and seed crops. It is priced for home ownership and will prove a profitable investment — regardless of whether your needs call for one machine or a fleet.

Investigate this truly versatile machine—ask your neighbors and your Allis-Chalmers dealer.

HYDRAULIC header lift control is available as optional equipment; can be operated from the tractor seat. For stationary shock threshing, a special vertical cutter bar is available.

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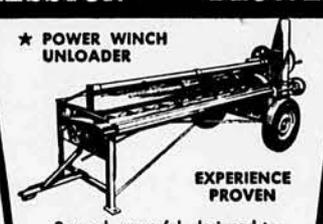
Here you will see the latest Over-Head Sprinkler Irrigation Equipment, DOERR Gravel-Guard Well Casing, Stock and Sheep Watering Tanks, DOERR Truck Tanks, Fuel and Water Storage Tanks, DOERR Super Septic Tanks, DOERR All-Steel Wheat Beds, Steel Stock Racks, Pick-Up Bed Extensions, and DOERR Grain-Belt Grain Bins.

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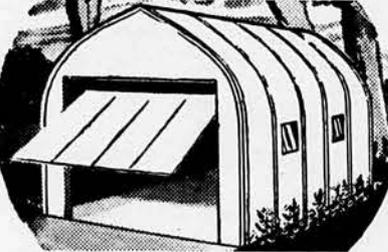
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Rugged, powerful, designed to DO THE JOB under all conditions. Easily handled, built for long life and little maintenance!

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All outside surfaces of 3/16" Tempered Presdwood prime-painted. Curved design for greatest wind resistance. Rafter and studding one piece laminated. All sections accurately machined and pre-drilled for easy bolting and tight fit.

All types and sizes of farm buildings, including double garages. Write for information and prices today. Order now. Immediate delivery. DEALERS WANTED

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Paste on a penny post card and mail to
DODSONS, 1463 Barwire, Wichita, Kansas

State Fair
(Continued from Page 4)

year, Mr. Miller reported, altho at the time we were there it was too early to tell how livestock entries might compare with last year.

Despite floods and threat of war, there will be a large machinery show, altho it may be made up of smaller displays. "We have many new exhibitors in the machinery line this year," says William Wegener, assistant secretary. "Our home-appliance show will be as good as any we have had in the past," he adds. "All commercial exhibit space has been sold, including one additional quonset building remodeled to handle the overflow. However, we are making arrangements to care for any additional exhibitors."

Of course the new administration building will be in operation this year for the first time and it is a beauty. It will house all fair officials, state highway patrol, first-aid station, and visiting newspaper men.

There will be a new 4-H sheep and swine barn in use this year. That means some of the space in the older buildings will be available for temporary housing of the cattle overflow. This cattle overflow has become quite a problem in late years and the fair has been unable to keep up with the growth. A tent again will be used for dairy judging.

Dairy Judges to Compete

Kansas Farmer again will give \$240 in cash prizes to those who take part in the Kansas Farmer Dairy Judging Contest. Those competing will be winners from district shows of last spring. Wednesday, September 19, will be Master Farmer and Master Farm Homemaker Day. These folks will be special guests of the State Fair management in the afternoon, and will be guests at a banquet downtown at 5:45 p. m. given by the Hutchinson Chamber of Commerce.

There will be several special luncheons and banquets during fair week. Flying Farmers will be luncheon guests of the Hutchinson Chamber of Commerce Tuesday noon. Tuesday night all livestock exhibitors at the fair will be dinner guests of the Chamber of Commerce. Wives of State Fair officials will be guests at a special luncheon Wednesday, and Governor Edward F. Arn and his party will be guests at a luncheon Thursday.

Beyond the usual rides and concessions there will be some outstanding special attractions on the Midway this year, reports Mr. Miller. Professor Keller and his lions and tigers will please everyone who likes animal acts. The Mays Tropical Exhibit will be back after an absence of several years. Another show will feature one of the world's best trained chimpanzees.

Here's Something New

Something completely new this year on the Midway will be the Voorhees-Fleckles, Inc., production: "Ice Varieties of 1951." This show will be given every night from Monday on and every afternoon from Tuesday on. Shows will be at 2:30 and 7:30 o'clock and will feature some of the world's best skaters.

A smash attraction for afternoon in front of the grandstand will be a Roman Chariot Race at 1:45 o'clock. Two chariots from the Quo Vadis movie are being used for races at 5 fairs over the United States.

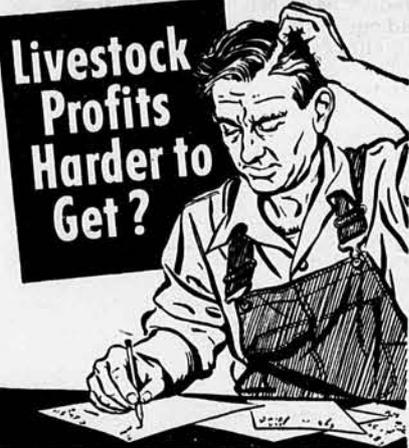
Special efforts have been made this year to get variety into the afternoon programs. A 75-mile stock-car race will be held on Sunday afternoon, September 17. Speedway automobile races will be presented Monday afternoon; Aut Swenson Thrillcade and Sky Escape from a Helicopter on Tuesday; speedway auto races on Wednesday; sprint stock-car races on Thursday and a 90-minute marathon stock-car race on Friday.

State Fair admission prices will be higher this year but you can save 15 to 30 per cent by ordering tickets in advance thru use of coupons that will be printed in your local newspaper. Adult general admission for the grandstand this year will be \$1.25 afternoon or night. Children under 12 for 60 cents. Outside gate admission will be 65 cents for everyone 12 or over. Children under 12 are admitted free.

For the first time, too, there will be a 25-cent parking charge for every car admitted to the grounds. "We have spent a lot of money improving parking facilities and feel we can do a better job on parking if some charge is

(Continued on Page 33)

Livestock Profits Harder to Get?



...NOT WITH BIG 6

TRACE MINERAL SALT

Most grasses and home-grown grains no longer supply enough vital minerals for proper livestock feeding. That's why livestock suffer from depraved appetites, emaciation, slow gains, brittle bones, etc.—why your livestock profits are not what they might be.

YOUR LIVESTOCK NEED EXTRA MINERAL HELP!

BIG 6 has what it takes to raise thrifty, strong-boned profitable livestock—contains salt, cobalt, manganese, iron, copper and stabilized iodine. It's a low-cost way to safeguard livestock profits. Provide BIG 6 for all your livestock.

Available from most feed dealers in 50-lb. blocks and 100-lb. bags.



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K-S ROTARY SCRAPER

Reliable Advertisers Only are accepted in Kansas Farmer.

Buy Direct From Factory and Save

After 10 years of building Lawn Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as short as 1 in. Especially built for Cemeteries, Parks and Schools. Mower has I.H.C. Lespedeza guards and sickle, which gives double cutting capacity. Center drive on sickle permits close cutting around curbs and shrubbery. When answering this ad state type of mowing: Yards, Parks or Cemeteries.

SPECIFICATIONS
Width of Cut—36 in. Bearings—Standard Ball. Power—3 H.P. Briggs & Stratton. Frame—Fabricated Electric Welded Steel. Differential—Auto Type Drives From Both Wheels. Drive—Standard Auto V-Belts, Gears—Machine Cut. Tires—400x8 Pneumatic. Self Propelled.

The F & H heavy duty 24" or 18" self-propelled rotary type lawn mower cuts fine grass or large weeds. Powered by a Briggs & Stratton 3 H.P. air-cooled engine. V-belt and roller chain drive. Ball bearing spindle. Electric welded steel frame. No castings to break. Auto type differential, pulls from both wheels. Fool proof V-belt clutch. All bearings and gears are unconditionally guaranteed for one year. Drive wheel 12"x3.00 semi-pneumatic puncture proof. Front wheel 10"x2.00. Two blades with each machine. Only one nut to remove to change blades. Satisfaction guaranteed.

Manufacturers of Power Equipment
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made," says Mr. Miller. "Kansas has had one of the few fairs without a parking charge," Mr. Miller points out.

The rest area in front of the new administration building has been enlarged and beautified. You will enjoy facilities provided there. The old State Fair office building has been turned over to the Boys Industrial School, which will have a more complete manual trades display than in the past.

And don't forget the big State Fair Revue of 1951, which will be presented every night in front of the grandstand. This big Barnes and Carruthers show is always good.

State Fair Schedule

Sunday, September 16

8:30 a. m.—Exhibit buildings open. Judging starts, pigeons, pet stock show.
 9:00 a. m.—Judging breads and pastries starts.
 10:00 a. m.—Judging farm products, county booths, 4-H Club agricultural products, 4-H Club booths, 4-H Club livestock. Vocational Agriculture exhibits, home economics exhibits.
 1:00 p. m.—Judging fruit.
 1:15 p. m.—Roman Chariot Race.
 1:30 p. m.—Starting of 75-mile stock-car race.
 6:00 p. m. Official opening of State 4-H Club encampment.
 7:30 p. m.—State Fair Revue of 1951.

Monday, September 17

8:00 a. m.—School children of Kansas guests of State Fair; judging of 4-H Club booths, vegetables. Poultry judging starts; judging of 4-H dairy cattle and 4-H poultry.
 8:30 a. m.—Judging fat lambs, 4-H Club crops.
 9:00 a. m.—Judging 4-H swine, 4-H sheep; judging rabbit show.
 9:30 a. m.—Livestock selection demonstration; judging Shropshire sheep.
 10:00 a. m.—Judging Milking Shorthorn and Brown Swiss.
 10:30 a. m.—Judging 4-H breeding helpers.
 11:00 a. m. to 1:30 p. m.—Parading by visiting school bands.
 1:00 p. m.—Judging horses, reining classes, Kansas Quarter Horse Assn.; judging Spotted Poland swine and market barrows.
 1:30 p. m.—Starting of National Championship big car speedway auto races; judging 4-H baby beeves and 4-H heifers.
 2:00 p. m.—Judging Angus cattle.
 7:30 p. m.—State Fair Revue—Ice Varieties of 1951.

Tuesday, September 18

8:00 a. m.—Judging 4-H style revue and best groomed boy contests; 4-H food preparation judging team contest.
 8:30 a. m.—Judging Duroc and Berkshire swine and Hampshire sheep.
 9:00 a. m.—4-H poultry judging contest; 4-H home improvement judging team contest; judging Herefords, Ayrshires and Guernseys; judging horses, first go-round, cutting contest.
 10:00 a. m.—Judging cut flowers, adult class.
 1:00 p. m.—Horse show, halter class; judging Southdown sheep, Hampshire swine, Chester White swine.
 1:30 p. m.—Recognition of Flying Farmers.
 1:45 p. m.—Roman chariot race.
 2:00 p. m.—Thrillcade, in front of grandstand. Including sky escape from helicopter.
 2:30 p. m.—Ice Varieties on Midway.
 7:30 p. m.—4-H Club parade and State Fair Revue. Ice Varieties.

Wednesday, September 19

8:00 a. m.—4-H food preservation judging contest.
 8:30 a. m.—Judging Poland China swine, Hereford swine and Suffolk sheep.
 9:00 a. m.—Judging Shorthorn, Jersey and Holstein cattle.
 9:30 a. m.—Judging Dorset sheep.
 10:30 a. m.—Judging O I C swine.
 11:00 a. m.—Annual meeting of Kansas Master Farmers and Farm Homemakers at 4-H Club auditorium.
 1:00 p. m.—Judging Red Poll cattle.
 1:30—Speedway auto races for National Championship.
 2:30 p. m.—Public presentation, 4-H Club state style revue. Ice Varieties.
 7:15 p. m.—Parade of prize-winning livestock around race track.
 7:30 p. m.—State Fair Revue—Ice Varieties.

Thursday, September 20

8:00 a. m.—Livestock judging contest, 4-H crop judging, 4-H clothing judging.
 9:00 a. m.—4-H dairy judging, sheep shearing preliminary contest.
 10:00 a. m.—Livestock Hall of Champions.
 10:30 a. m.—Official inspection of State Fair by Governor and members of State Board of Agriculture.
 1:30 p. m.—Sprint stock-car motor races start.
 1:45 p. m.—Presentation of Governor's Cooky Jar.
 2:30 p. m.—Ice Varieties of 1951.
 3:00 p. m.—Finals in state sheep shearing contest.
 4:00 p. m.—Initiation ceremony, State 4-H Who's Who club, at 4-H Club auditorium.
 7:30 p. m.—State Fair Revue—Ice Varieties.

Friday, September 21

8:00 a. m.—Awards of state 4-H trophies and medals at breakfast officially closing state 4-H Club encampment.
 1:00 p. m.—Sale of 4-H Club baby beeves at 4-H livestock pavilion.
 1:30 p. m.—90-minute marathon stock-car motor race.
 2:30 p. m.—Ice Varieties of 1951.
 7:30 p. m.—State Fair Revue—Ice Varieties.



LLOYD BURLINGHAM'S

SKELLY FARM NEWS



Bob Beckwith, Bion Spalding, Ernest Spalding and Skellyman Ray Buckridge.

Well-Known Farmers Recommend Skelly Service

One of the finest farms around Valley, Nebraska is owned and operated by Ernest and Bion Spalding and Bob Beckwith. The farm covers 800 acres, with 475 acres under cultivation. Crops include 80 acres of wheat, 40 of oats and alfalfa, 200 in corn and the balance in soy beans.

The farm is especially noted for the excellence of its purebred spotted Poland hogs which are sold twice yearly. In February, sows are sold. In October, the boar sale is held. Other livestock includes 50 head of steers and 20 head of Holsteins. Grade A milk is sold in Omaha.

For 14 years, the Spalding Brothers and Bob Beckwith have used Skelly Products—and recommend them sincerely. Four tractors, three trucks, two combines, a hay baler and other farm equipment give smooth-running testimony to the quality of Skelly fuels, oils and greases.

Their 1937 Diesel tractor has used only Skelly Fortified Tagolene H. D. Motor Oil and shows remarkable freedom from wear. These outstanding farmers are well pleased with the service provided by Skellyman Ray Buckridge, Fremont, Nebraska—shown above on a regular call.



Closeup of one of their fine Registered Poland Spotted Boars.



Some of the farm's sanitary hog pens.

SKELLYLAND'S Favorite Recipes

APPLE MUFFLE

Peel, core and thinly slice 2 apples in deep baking dish. Melt 1/4 lb. butter and pour over apples. Add 2 tablespoons water.

Sift together:

1 cup flour
 3 teaspoons baking powder
 1 cup sugar
 pinch of salt

Stir in lightly: 1 cup sweet milk
 Pour batter over apples, bake immediately at 350°F., 45 minutes to an hour, until firm and light brown.

If desired, lemon sauce may be used over this "Muffle."

Lemon Sauce:

1 cup sugar
 1 tablespoon cornstarch
 1 tablespoon butter
 1 cup hot water
 2 tablespoons lemon juice

Combine sugar and cornstarch. Add hot water and bring to boil, stirring constantly. Boil for 3 minutes, continue stirring. Add butter and lemon juice and return to fire for 1 minute.

Mrs. H. E. Perkins, Ft. Worth, Texas

If we can use your favorite recipe or household hint, we'll pay \$5.00 for each one printed here. Be sure to keep a copy for your own files. Address: Skelly Oil Company, Dept. KF-951, Kansas City, Mo.



HINTS for House and Garden

To sharpen dull scissors easily, cut once or twice through a piece of sandpaper.

Easy way to thread a needle: rub end of thread over wet soap, then twist. Thread will stiffen, making it easy to slip through eye of needle.

Need just a few drops of lemon juice? Stick fork in one end of lemon, and squeeze. Lemon can be saved for future use.

Iron rusty? Sprinkle salt on bottom—then rub over several folds of paper.

To prevent a vegetable salad from becoming sodden, place a saucer upside down on bottom of bowl before filling with salad. Moisture will run down underneath and salad will stay fresh and crisp.

Mrs. Jess Dowlin
 Mexico, Mo.

HINTS WANTED! We'll pay you \$5.00 for every hint we can use. Please keep a copy, as we can't return. Mail hint to Skelly Oil Company, Dept. KF-951, Kansas City, Mo.

FARMING'S NO SNAP...

Food Production—1951 model—is a brand new industry—one which moves at a tremendous pace. Each man accomplishes as much field work as could be done by a half dozen, forty years ago. In fact, 14 per cent fewer food producers now feed 53 per cent more Americans than in 1910. Then each farm worker supplied food for 7½ people; now each farm worker turns out food for 15. Extraordinary progress, made possible to no small degree by mechanization.

City people could gain the idea that, with petroleum products doing so much of the work, farming's a snap. It isn't. Fewer and fewer people are left for the job. The draft and the constant movement of farm boys to industry play hob with the farm labor situation. Men left on the job work long hours, under ever heavier pressures and greater tensions. When night comes they are as weary as were their grandfathers, who did much more manual labor but accomplished far less. Farming in 1951 is a source of great satisfaction, but it's no snap.

CAREFUL...The Child You Save May Be Your Own!



It's Back-to-School time again—and time to use extra caution every time you take the wheel of your car or truck. Be on the alert against the child who dashes thoughtlessly from behind or between parked cars. Always expect the child to do the unexpected! And for daily helpful safety hints, listen to the special announcements during September, on the Skelly-Alex Dreier News Analysis over your favorite NBC radio station.

SKELLYMAN Ray Buckridge



says:

"IT'S JUST PLAIN good business sense to protect your costly investment in farm machinery. And one of the best and simplest ways to do that is by following a systematic lubrication plan, using the finest lubricants that money can buy. Of course, I mean Skelly Tagolene Long-Life Greases, Fortified Tagolene and Supreme Motor Oils. Their quality is assured by the famous Skelly Money-Back Guarantee of Satisfaction."

Keep Posted—the Easy Way!

Every Saturday morning (over NBC at 7:00 A. M.) listen to Lloyd Burlingham's late farm news and his story of the current winner of the Skelly Agricultural Achievement Award, along with Alex Dreier's quick summary of world news. Monday through Friday, hear Alex Dreier's First Network News Analysis of the Day—7:00 A. M. over your local NBC station.

See or call your Skelly Farm Serviceman today!

SKELLY OIL COMPANY

P. O. BOX 436, KANSAS CITY, MISSOURI



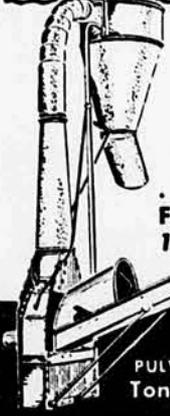
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It's A Bell Ringer—

See a Practical Demonstration of this Top Performing Hammer Mill



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KANSAS FREE FAIR
Sept. 8 to Sept. 14
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- ★ Grinds Grain
- ★ Chops and Grinds Hay and Roughage
- ★ Fills Silos

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Tonkawa, Oklahoma

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New HYDRAULIC ACTION **SOIL MOVER**

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Powerful hydraulic system operates from tractor seat by merely touching a lever. No stopping ... bucket dumps backwards, unloading clean and easy. Really takes wide cut.

Write today for FREE literature and name of your nearest dealer.

Dept. B-5, THE SOIL MOVER CO., Columbus, Nebr.

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A **Dump IT HOIST** will do the work of **UNLOADING**



100 Times FASTER than Shoveling. Truck, equipped with Dump IT Hoist, can DUMP its load in 20 seconds!

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WHEELBASE _____ BODY LENGTH _____

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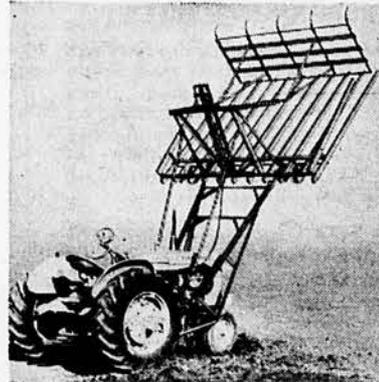
Have You Heard?



Notes on New Products and Folks Who Make Them

SWING-O-MATIC Bump-It Gate is a new automatic, all-steel gate which keeps cattle from straying, but requires no manual labor whatever for operation. It works simply by bumping the center bar with truck, car or tractor at about 3 to 4 miles per hour, from either side. There's plenty of time to drive thru, then the gate swings back into closed position and automatically locks securely. For more details, write International Steel Company, 529 S. 7th St., Minneapolis 15, Minn. Please say you saw an item in *Kansas Farmer*.

Wyatt Mfg. Co., Inc., Salina, Kan., announces a new push-off stacker and hay loader for its Jayhawk hydraulic loader. The new attachment is fully hydraulic, with 9-foot fork actuated by an individually-controlled cylinder at the



back. Backboards of the fork act as the push-off. The new device is designed to sweep, load wagons and handle all ordinary stacking up to and including 18 feet. It attaches to the loader arms with scoop removed, is available for all Jayhawk hydraulic loaders.

The new Wick Lawn Edger is a new and original edger designed so the cutting knife follows the contour of the ground and will not dig or plow. The Edger features a self-sharpening, self-adjusting cutting knife, spring, heavy-gauge spring-steel cutting wheel and blade heat-treated for long life. Manufacturer is the Amplex Engineering Co., Inc., New Castle, Ind.

Resources of the International Harvester Company were mobilized to aid in the job of putting damaged machines back in running condition following recent disastrous floods. Many teams of Harvester specialists—service men, repairs parts men, sales representatives, credit and finance men—assisted dealers, farmers and truckers. The company's entire service organization at its 18 farm equipment and truck factories was called upon for special assistance to aid those affected in flooded areas.

Just introduced by the Western States Equipment Company, Golden, Colo., is the Westate Land Leveler. An entire land-leveling job is accomplished in short tractor and machine length, the



company states. "This makes high-speed field operation and permits close work at the end and corners. It costs less than machines doing equivalent work under the old system, and because the scraper is near the tractor, it provides lighter draft and rapid response

to manipulation, resulting in a clearer leveling job." There are models for 2-, 3- and 4-plow tractors, as well as for other tractors. For details, write the company, at Department 7-X. Please say you saw an item in this column.

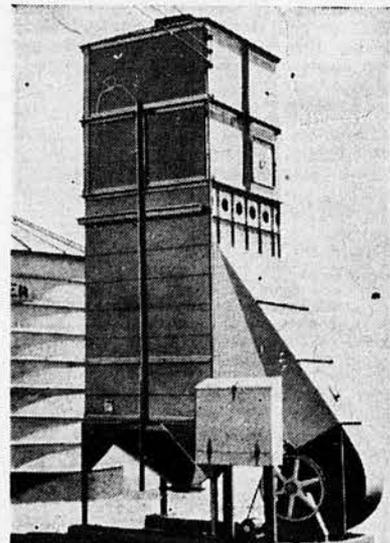
The new Blackmer farm hand pumps reduce fire hazard in refueling cars, tractors, trucks, busses and field equip-



ment. Pumps are self-priming, with high liquid lift, and are used on drums, barrels or underground tanks. Models with or without oil spout or fueling hose deliver from 10 to 28 gallons per minute at easy cranking speed. Free literature is available from manufacturer, Blackmer Pump Co., 1809 Century Ave., Grand Rapids, Mich.

Two problems facing growers during spraying season have at last been licked, comments Engine Parts Mfg. Co., Cleveland, O. Their engineers have developed a dual boom, says the company, which is a solution to the twofold problem of how to combine stability with strength. In the scientifically-designed Yellow Devil boom, the small inner tube is of non-corrosive brass.

The Hess Company, Chicago, pioneer manufacturer of grain-drying equipment, announces a new on-farm drier for small grains, beans and corn. Complete unit includes supporting frame, garner bin, drier, air blower and heating equipment. Controlled, heated air is



blown by a powerful fan directly thru the grain. Hess Farm Drier No. 100 will handle the output of 2 combines and keep up with a 2-row picker-sheller. The No. 200 drier has nearly twice this capacity.

A new attachment for the New Holland field forage harvester saves corn knocked down by storms. The right fender of the row crop attachment is replaced with this special down-corn fender. Stalks knocked down are lifted by the floating shoe, straightened and guided right into the chopper.

WE'LL SEE YOU AT THE FAIR

Let us show you why more farmers chose the pull type Schafer Oneway Plow in 1950-1951 than ever before.

- SEE ★ The New 1952 Schafer Oneway Plow
- ★ Schafer's New "Plow closer to the fence" frame feature
- ★ The reasons why the Schafer Oneway Plow, "Plows deeper as it Plows Easier"

Plan to visit our display at the Kansas State Fair, Sept. 16-21 Hutchinson.

SCHAFFER PLOW, Inc.
PRATT, KANSAS

WARNING

Don't let the rain hold up your Hay and Grain Harvest.

Use HESSE HAY and GRAIN DRYER. Harvest your crop without danger of moisture spoilage or heat.

See your nearest Hesse dealer or write the HESSE COMPANY

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Tongue-Lock CONCRETE STAVE **SILOS** QUALITY

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An Early Order will Assure you of a Silo.

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SITTING DOWN

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Big Farm Production ahead! Fence building made easy. Danuser Digger digs a post hole in less than a minute. Helps meet the labor shortage. For literature illustrating adaptation on your make tractor, write

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DANUSER DIGGER

TESTED and APPROVED by Tractor Manufacturers

"The Most Beautiful Birds"

If You Can Raise Turkeys You'll Get Along With Peafowl



Peggy Foote with one of her aureomycin-Vitamin B12-fed peacocks.

YOU CAN take the boy out of the country but you never can take the country out of the boy." The quotation is exemplified by Seward Foote, Overland Park, a former country boy now connected with advertising in Kansas City.

On his 5-acre "farm" at Overland Park, Foote raises the most beautiful domesticated birds in captivity. He has rightly named his home "Peacock Acres" and here, as a joint project with Peggy 12, and Buster 10, can be found a choice collection of several breeds of these gorgeous birds. But let him tell the story:

About the size of a turkey, but only about one-fourth the average weight, the peafowl owes his principal claim to perpetuation to his ornamental plumage. This is characteristic of the adult males only—the hens have the plain protective coloration which nature bestows on all ground-nesting birds.

The blue color in the neck, crest and train, as well as the soft shadings of brown to tan, and the iridescent green-blue-black body and wing feathers, are colors only the most gifted of artists can reproduce and then seldom correctly. Perfection is found only in the thing of flesh and blood: the living mature peacock. The ability of this bird to display his gorgeous fan and strut for hours at a time is the delight of every owner. He is a natural-born show-off and makes it easy to understand why we use the phrase "proud as a peacock."

As Hardy as Turkeys

Peafowl are native to the hot countries of the world, but 3 varieties have been acclimated in this country and are now about as hardy as turkeys. They are (1) the India Blue, commonest and hardiest; (2) the Black Shouldered, and (3) the White Peafowl. The last 2 are mutants or "sports" of the India Blue that breed true to color, and are only slightly less hardy than their Blue progenitors. The White variety is entirely without color. The Black Shouldered variety has the same coloration as the India Blue except that the brown and tan feathers of the upper wing of the Blue are replaced by lustrous black feathers. All varieties carry a crest, or topknot, about 4 inches long, and a long tail or train, which approaches a

length of 8 feet when the bird is mature. Ends of the cock's crest feathers and tail feathers, in all varieties except the White, have the characteristic Peacock Blue "eye." This same "eye" is found on the crest feathers only, of all peahens except the White variety.

All varieties take 3 years to mature and have a life span of about 15 years. The breeds requiring considerable winter protection are the Java Green and Spaulding varieties.

Hens usually lay as 2-year-old birds, but the peacock is somewhat later coming into maturity. The train of the cock bird develops between 2½ and 3 years and sexual maturity coincides with this feather development.

The peahen lays 5 or more eggs a year. They are slightly larger than a turkey egg, creamy white in color, and somewhat thinner shelled than the average turkey egg. The hen is a good sitter and a good brooder for her poults, if not excited by too many visitors. The eggs may be hatched in an incubator under the same conditions as turkey eggs, or they may be set under broody chicken hens.

Watch Out for Blackhead

Newly-hatched poults are handled exactly like turkey poults. They are subject to the disease "Blackhead" just as turkey poults are, and if brooded by chicken hens or their natural mothers, on the ground, must have Enheptin* mixed with their feed at the rate of a heaping teaspoonful to 5 pounds of feed.

Young poults eat very little for the first 10 days but feather development, especially on wings, is more rapid than in turkeys. As this feather development requires a higher protein intake, commercial baby chick starting mashers are not satisfactory. Nothing but the best commercial turkey or game bird starting mash with a minimum protein content of 22 per cent should be used. To insure against blackhead this mash must have Enheptin mixed with it as mentioned previously.

This mash, kept before them at all times, is the only feed they need the first 6 weeks. They should have fresh, clean water at all times. From 6 weeks to maturity, a good commercial turkey growing mash (to which Enheptin has

been added) can be supplemented by a light feed of intermediate chick scratch feed once a day, preferably at late evening.

Peafowl, like turkeys, are considered "hard to raise." The Foote family's experience with them is that they are easy to raise if handled like turkeys. Like the young turkey poult, the young peafowl poults 3 greatest killers are blackhead, pullorum, and coccidiosis. For several years the turkey grower has depended upon Sulmet* to control pullorum and coccidiosis, and in 1950 the first practicable drug for the control of blackhead was presented to the turkey industry in the discovery of Enheptin.

The Foote family's secret of success in raising peafowl (they have also raised turkeys for the last 20 years) is based upon several factors. They are:

1. Well bred birds.
2. Well fed.
3. Attention to sanitation.
4. Use of Sulmet when necessary.
5. Use of Enheptin at all times from birth to maturity as a cheap and effective preventative of the deadly blackhead.

* Reg. U. S. Pat. Off.

Kill Barberry to Avoid Wheat Rust

Many Kansas wheat fields are being plagued by some new races of stem rust. Common barberry is host to the dreaded new race of wheat stem rust—15 B. Claude King, Kansas State College, Extension plant pathologist, reports a recent survey showed many Kansas counties may have as many as 300 common barberry plants. He urges all Kansans to help rid the state of these plants.

The college, the Kansas State Board of Agriculture, the U. S. Bureau of Entomology and Plant Quarantine, and the Kansas Wheat Improvement Association will work together to eradicate the new threat to wheat and oats fields.

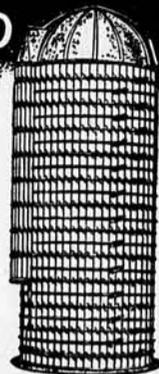
Here's how to identify the common barberry plant. The plant usually has at least 30 small spines on the margin of the leaf. Japanese and other harmless barberries usually have only 10 or fewer spines. Also, common barberry has several berries in a cluster instead of the 1 to 3 found on ornamental barberry plants. Common barberry has 3 pronged spines on its twigs. Those wanting help in identification may take twigs or plants to county agents or send them to Kansas State College, Manhattan.

WARNING

Don't let the rain hold up your Hay and Grain Harvest. Use HESSE HAY and GRAIN DRYER. Harvest your crop without danger of moisture spoilage or heat. See your nearest Hesse dealer or write the HESSE COMPANY, 1213 Dace Street, Sioux City, Iowa

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Plan NOW to save your feed and your money! White Top Silos' Interlocking Stave construction and super three-coat Glaze Process guarantee feed savings by helping to prevent spoilage! SEND FOR FREE INFORMATION

TODAY!

\$35 DOWN PAYMENT

INTERLOCKING STAVE SILO CO. 720 North Santa Fe KF Wichita, Kansas

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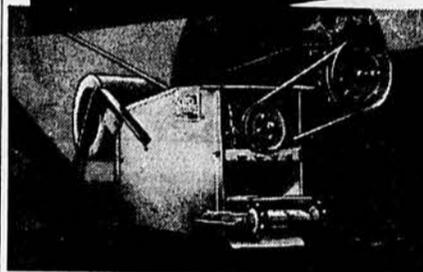
- SILOS GRAIN AND INDUSTRIAL STORAGE SILAGE
 FARM BUILDINGS BEAR CAT 2-ROW FORAGE HARVESTER

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Clean Corn



QUICKLY PAYS FOR ITSELF

The Cook Shucker gets all husks, gets all silks. Ideal for corn borer infested fields. Will clean all corn, including nubbins, at any stage of maturity. All shell corn is saved and returned to the wagon elevator. Save precious storage space and have your corn in perfect condition for sealing. Comes complete with nothing extra to buy. The Cook Shucker is the picking bed designed to fit Case Model P, New Idea #8 and General Implement single row corn pickers, also, Case Model 1-2 row picker. For further information and literature write today to:

COLUMBUS STEEL FABRICATING CORP.

Dept. KF-5

Columbus, Nebraska

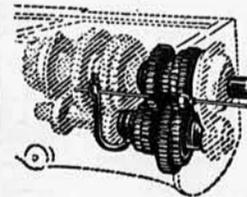
NINE SPEEDS FORWARD

NEW ADDED POWER

for FARMALLS



Save 3 Hours A Day in the Field



Plow Faster ... Easier

Add-Power Aluminum Pistons with 4" bore give Farmalls increased power to do more. 14 cu. in. added displacement means low cost plowing. Plow in next higher gear — easily! Engines run smoother without shifting gears in the tough spots. Individually matched and marked sets with chrome compression rings for longer life! Sizes for any Farmall M and H!

With M and W Gear you can pick speeds that fit the job, and save an average of 10 to 20 hours every week in the field. This fuel-saving transmission adds four more field speeds right where they're needed... between 4th gear and 11 mph. Cuts tractor operating costs 1/3. Does not interfere with mounted implements. Forced lubrication to the pilot bearing eliminates 75% of transmission repairs. Guaranteed unconditionally. Models for any Farmall H, M or MD.

Write Today for Free Folders and Name of Nearest Dealer

M and W Gear Co., Inc.

DEPT. 27-C, ANCHOR, ILL.

Geared for More Work the Modern Way

See M and W at the State Fair

Speed of Light

Speed of light has been measured 10 to 20 times more accurately than ever before by Stanford University physicists. They used new microwave techniques, according to a story appearing in the *Topeka Dairy Capital*. Results of the work appeared in the current issue of "The Physical Review."

Scientists have now set the speed of light at 186,280 miles per second, compared with the generally accepted figure of 186,272 miles per second. They arrived at their figure by measuring the characteristics of radio waves, which have the same speed as light waves, in a special enclosed cylinder. The announcement climaxed 5 years of research.

So that's why you get caught doing chores after dark! Just didn't realize how fast daylight could get away from you.

Classified Advertising Department

PULLETS — PULLETS — SPECIAL SALE

All from U. S. Approved Flocks. Backed by 48 years of continuous poultry breeding. Here is one farm crop, with reasonable care, that will produce for you when other crops fail. Pullets from 8 weeks to Ready-to-Lay age. Send postal for Special Sale Pullet Bulletin. **RUFF POULTRY FARM BOX 1504 OTTAWA, KANSAS**

KANSAS FARMER Classified Advertising

WORD RATE
10c per word each issue.
Minimum—12 words.
Names and addresses are part of ad, thus are billed at per-word rate.
Livestock Ads Not Sold on a Per-Word Basis

DISPLAY RATE

Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1/2	\$4.90	2	\$19.60
3/4	9.80	3	29.40

Minimum—1/2-inch.
Cuts are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads.
Write for special display requirements.
Kansas Farmer, Topeka, Kan.

● BABY CHICKS

Hatching All Fall, thousands of U. S. approved pullets controlled AAA super quality chicks; immediate or future delivery; White Leghorns, Austra-Whites, Hamp-Whites, Buff Minorca, straight run, \$8.90; pullets, \$15.95; cockerels, \$5.95. White Rocks, Barred Rocks, New Hampshire, White Wyandottes, Rhode Island Reds, Production Reds, Cornish-Hamps, \$9.90; pullets, \$13.90; cockers, \$9.90; heavy assorted, \$7.90; cockerels, \$9.90; assorted, \$5.40; prepaid live arrival guaranteed. Started chicks of above breeds, 4 weeks old, straight runs, \$24.90; pullets, \$28.90; cockerels, \$21.90; 6 weeks old pullets, \$38.90. Newcastle vaccinated. Immediate or future delivery. P. O. B. Ideal Hatchery, Box 191, Garden City, Mo.

White, Barred Rocks, Hampshires, Reds, Wyandottes, \$9.95; pullets, \$12.95; cockerels, \$10.95. White, Brown Leghorns, Austra-Whites, Black, Buff, Minorcas, \$8.95; pullets, \$15.95. Heavyweights, \$8.95. Mixed, \$7.95. Leftovers, \$6.95. Fryers, \$5.95. Barnyard Special, \$4.95 up. FOB 100% alive. Catalog. Bush Hatchery, Clinton, Mo.

Better Chicks Cheaper. Leghorns, White, Brown, Buff, \$10.95. Prepaid Rocks, Reds, Wyandottes, Glants, Anconas, \$11.95. White Leghorn cockerels, \$3.90. All prepaid. Shanks Poultry Farm, Clyde, Tex.

DeForest Blue-blood Chicks Production or Broiler breeds. Hatching year around. Broad-breasted Bronze and Beltsville White Pullets in season. DeForest Hatcheries, Box E, Peabody, Kan.

● POULTRY—MISCELLANEOUS

Capon Pellets, 100—\$2.75. Implantor, \$1.00 post-paid. Erdley Hatcheries, Wray, Colo.

● SEEDS

Stafford Wheat—Pure seed direct from originator. Lots under 25 bu. \$3.25, over \$3.00. Sacked and shipped 25c per bu. extra. S. E. Blackburn, Stafford, Kan.

New and Used Tractor Parts. Write for big, free 1951 catalog; tremendous savings. Satisfaction guaranteed. Central Tractor Parts Co., Des Moines 3, Ia.

Plant Achenbach Brome Grass. The only variety to be certified in Kansas. I still have some seed for sale. Earl Collins, Florence, Kan.

New and Better Seed Wheats. Lower prices. Earl G. Clark, Sedgwick, Kan.

Brome Seed—Best quality southern type. E. V. Bruce, Holton, Kan., producer.

I-D-9 International Tractor, large tires. Verland Byer, Hamlin, Kan.

● FLOWERS AND BULBS

Imported Holland Tulips, Daffodils, Hyacinths, Lilies, Iris. Free catalog featuring money-saving, special collections. Satisfaction guaranteed. Foley Gardens, Freeport, Ill.

● LIVESTOCK ITEMS

Make More Profit under average farm conditions. Raise Milking Shorthorns. For average farmer milking Shorthorns are unbeatable. Produce 4 1/2 milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm! Write for Facts and Free sample copy of Milking Shorthorn Journal. American Milking Shorthorn Society, Dept. KF-5, 313 So. Glenstone, Springfield 4, Mo.

● DOGS

Working Border Collies. We have the best. Puppies guaranteed. Howard McClain, Route 6, Lima, O.

Shepherd Heelers. Also Rat Terriers, none better. Duckers, Wetmore, Kan.

Rat Terrier Puppies. Bred for ratters. Crusaders Kennels, Stafford, Kan.

● RABBITS AND PIGEONS

Earn Up to \$400 monthly raising Angora or New Zealand Rabbits. Plenty markets. Particulars free. White's Rabbitry, Newark 71, O.

● FARM EQUIPMENT

SILO SEAL Protect your silo walls. Write today for free literature. **McPHERSON CONCRETE PRODUCTS CO.** 904-1126 West Euclid, McPherson, Kansas

Outside Snow White Paint—Top quality, tested titanium, lead and oil formula. \$2.23 gal. in 5-gal. cans. Money-back guarantee not to peel, rub or wash off. Cleans beautifully. More than a million gallons sold. Pint sample can, 50c. Snow White Paint Co., 1125 Division St. Chicago, Ill.

Booms Wagon Unloader. Inexpensive. Easily attached to your present wagons. Variable speeds; unloads 5 tons in 7 to 14 minutes. Write today. Booms Silo Co., Harbor Beach, Mich.

Wire Winder, roll and unroll wire with tractor power and speed. Very low cost. Free literature. Midwest Wire & Steel Co., 535 South Concord, South St. Paul, Minn.

● MACHINERY AND PARTS

For Sale: 1946 Studebaker Pick-up, 1 ton chassis with 3/4 ton bed and 4 speed transmission. Call 4-6726 Topeka. Mrs. Sam Roller, Rt. 6, North Topeka, Kan.

● EDUCATIONAL

AUCTION SCHOOL Learn Auctioneering. America's Leading Auctioneers Teach You. Students sell actual sales. Largest school in world. 17 years in operation. Don't be misled. Term soon. Free catalog. Write **REISCH AUCTION SCHOOL, Mason City, Iowa**

● FILMS AND PRINTS

3c Deckledge Reprints 3c

Reprints size as negative 3c and oversize prints 4c. 6- or 8-exposure roll developed and printed one each 25c or two each for 35c. Three 5x7 enlargements for 50c. Four 8x10 for \$1.00. Your favorite photo copied and 10 billfold pictures 65c. **Summers Studio, Unionville, Mo.**

20 DECKLEDGE REPRINTS 50c

6-8 Exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints 4c each. Request complete prices. **TINY'S PHOTO SERVICE** Box 1068-KF Topeka, Kan.

Unbeatable for quality and price. You will be surprised and pleased with the beautiful results from our celebrated Jumbo Oversize finishing. Low prices, same as contact. 8-exposure roll super fine finish. 12-exposure, 16-exposure, 60c. 36-exposure, \$1.55. Oversize reprints, 4c each. Send us your order, you will be delighted. Free mailers. Mailbag Film Service, Box 5440A, Chicago 80, Ill.

Two Sets of "Deckledge" Prints with every 8-exposure roll finished 40c. Very finest quality. "Deckledge" reprints 3c each. Jumbo reprints 4c each. Brown Photo Company, 1910-32 Emerson, Minneapolis, Minn.

Jumbo Prints—8-exposure, 35c. 12-exposure, 50c. 16-exposure, 65c. Reprints, 5c each. The Foto Farm, Dept. KF, Box 228, Norfolk, Nebr.

16 Prints or 8 Jumbos from roll, 25c with this ad. 1 Skrudland, River Grove, Ill.

● BUSINESS OPPORTUNITIES

Florida Offers You many farm opportunities. Year-round growing season, variety of soils and crops, and excellent local markets mean more profits for you—plus a happier living in Fabulous Florida's mild climate, cool in summer, warm in winter. If you are interested in farming in this new land of opportunity, write State of Florida, indicating type of farming you are interested in. State your specific requirements and request your copy of beautifully illustrated booklet: Farm Opportunities in Florida. Get complete information without cost or obligation. Write: State of Florida, 6115A Commission Building, Tallahassee, Fla.

Canaries, Parakeets Wanted—Best prices. Write for shipping directions. American Bird Co., 2609 W. 25th Pl., Chicago 8.

Canaries, Parakeets Wanted—Best prices. Write for shipping directions. American Bird Co., 2609 W. 25th Pl., Chicago 8.

Canaries, Parakeets Wanted—Best prices. Write for shipping directions. American Bird Co., 2609 W. 25th Pl., Chicago 8.

● SAVINGS AND LOANS

Let the Mailman help you save. Our advertisement in this issue tells how you can save by mail and earn 3% at the current rate. We'll be glad to send you full particulars. Max Noble, president, United Building & Loan Association, 217 East Williams, Wichita, Kan.

● WANTED TO BUY

Watches Wanted. Any condition. Also broken jewelry, spectacles, dental gold, diamonds, silver, cash sent promptly. Mail articles or write for free information. Lowe's, 93 Highland Bldg., St. Louis 1, Mo.

Canaries, Parakeets Wanted—Best prices. Write for shipping directions. American Bird Co., 2609 W. 25th Pl., Chicago 8.

● REMEDIES—TREATMENTS

Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C906, Kansas City 3, Mo.

● AGENTS AND SALESMEN

For Those Extra Dollars show the Hye-Quality line of Christmas and Everyday cards. Christmas Feature 21 in—everyday 21 in—improved. Free Christmas box—gift wrap—imprint stationery, napkins, personalized matches and many attractive gift items. Imprinted Christmas cards 50 for \$1.25 up to 25 for \$2.95. Folders free. Orders shipped within 24 hours. Exclusive Doehla distributors, also cheerful and other fast selling lines. Write today. Hye-Quality Card Co., 1020 McGee, Kansas City 6, Mo.

At Last! Something new and sensational in Christmas Cards. Make extra money fast! Show gorgeous satins, velours, metallics never before offered. Get easy orders! Pays up to 100% cash profit. Free samples 30 Christmas cards with name, 50 for \$1.25 up. 80 assortments. Personalized book matches and stationery, gifts. Several \$1.00 boxes on approval. Write Puro Co., 2801 Locust, Dept. 187-L, St. Louis, Mo.

Read Capper's Weekly and receive a gift. It's the most interesting and informative weekly newspaper you have ever seen. Write Capper's Weekly for details. Circulation Department K, Topeka, Kansas.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 4911 E. 27th St., Kansas City, Mo.

Colorful Quilt Pieces—You'll love them! Fast color prints, percale, broadcloth. Samples, Patterns, Gift, 10c. Jackson's Quality Remnants, Newfoundland 9, Ky.

West Chicago Pays More: Get highest cash prices for your geese and duck feathers. Send sample or prices of used feathers. Free shipping tags. Prompt payment. Company highly rated. West Chicago Feather Company, Dept. C. G., 172 N. Aberdeen St., Chicago 7, Ill.

● OF INTEREST TO ALL

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no odors, save odors, pumping costs. Postcard brings free details. Burson Laboratories, Dept. H-81, Chicago 22, Ill.

Save Chicken Feed! Don't feed the sparrows high priced chicken feed. My homemade trap guaranteed to catch them by the dozens. Easy to make. Plans 10c and stamp. Sparrowman, 1715 Lane, Topeka, Kan.

Glowing Warmth for cold winter nights. Send us raw wool for fine blankets and fringed motor robes. Big savings. Free literature. West Texas Woolen Mills, Main Street, Eldorado, Tex.

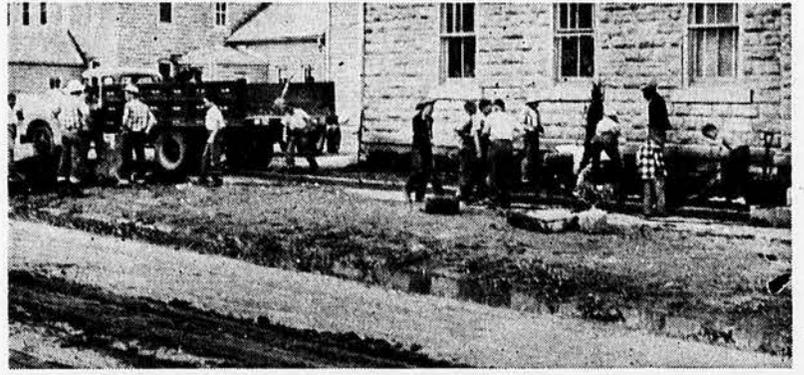
Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized. Amazing powder saves digging, pumping, moving. Details free. Solvex, Monticello 2, Ia.

Fish Bait—Over 20 recipes and suggestions only 10c and stamp. Many favorable reports received. K. F. Fisherman, 1715 Lane, Topeka, Kan.

100 Double Edge Razor Blades, \$1.00. Ball point pen free. United Sales, Box 665K, Aberdeen, S. D.

Sheep Mustle 5c; 21 for \$1.00. Irving Siegel, Marshfield, Wis.

4-H Clubs Beautify Their Rural Schools



HARD AT WORK were these members of the Winners 4-H Club, Ellis county, one afternoon this year making foundation plantings in front of the 2-story Munjor school. This club project will make a decided difference in appearance of the school. While the boys were making plantings, the girls were fixing an after-work lunch for them in the school building.

SEVERAL rural schools in Ellis county are taking on a more pleasant appearance due to efforts of 4-H Clubs in the respective communities. As club projects they are making decorative plantings around their schools.

Among clubs that have done landscaping work are Beaver Bank club and Blue Hill club. These bear the same names as their district schools. We were on hand last spring to see members of the Winners 4-H Club make foundation plantings in front of the 2-story, native stone Munjor school.

This school building was completely void of foundation plantings. With help of the school board, the Winners Club procured 6 upright cedars, 6 Pfitzer junipers, some honeysuckle bushes and a few Euonymus patens. These all were planted in front of the building with correctly planned spacing in relationship to front door and westside windows.

Pfizer junipers are low spreading, graceful trees that are ideal for under-window planting. Honeysuckle makes a beautiful bush, as do the Euonymus patens. The latter is a deciduous shrub but will keep its leaves thru winter if planted in dense shade.

In addition to foundation plantings made by the club last spring, they plan to plant shade trees in the parking between the street and the school grounds. And in another year they hope to do further landscaping work on the opposite side of the building.

While the boys were making the landscape plantings in late afternoon at the Munjor school, the girl members were preparing a lunch for the whole group to eat after the work was done.

The Winners Club is comparatively new. It was organized only a few years ago. But it has established itself solidly in the community. We asked Sister Euphemia, principal of the 4-teacher school, whether she had noticed any change in the attitude and thinking of pupils since the 4-H Club was organized.

Her answer was decidedly in the affirmative. The teachers can tell the difference in school, she pointed out. Club work has helped give pupils more poise. They are more willing to cooperate in just such undertakings as making the beautification plantings around the school.

New Chemical for Seed Treatment

Panogen, the new chemical, is recommended by Kansas State College scientists to treat wheat, oats, barley and sorghum seed against disease.

In 3 years of tests by pathologist Earl D. Hansing and Extension pathologist Claude King, Panogen proved effective. They say Panogen causes no poisonous dust in the air during treating and planting operations, so persons

working with it need not wear masks. Cost of treating with Panogen compares favorably with other treatments. Panogen and the Ceresans control wheat bunt, black loose smut, and Victoria blight of oats, and covered smut, black loose smut and stripe of barley. Both also will protect seed and young seedlings from soil-borne fungi and bacteria that cause seed decay and seedling blights.

Seed treatment of wheat, oats, barley and sorghum will give better stands, yields and quality—particularly this year, Mr. Hansing emphasized. Treating poor seed will improve emergence decidedly, and even good seed shows slight emergence improvement following treatment. Much seed wheat harvested this season contained fungi and bacteria, so extensive seed treatment is recommended before fall planting.

Oak Wilt Disease Invades Kansas

Oak wilt, a destructive disease of oak trees, is destroying many Kansas trees. Ivan J. Shields, University of Kansas graduate student in botany, conducted a survey in 30 Eastern Kansas counties and found oak wilt has invaded Kansas. Recently, positive laboratory identification of the fungus causing oak wilt was made. Verification was received from scientists in Wisconsin where the disease is more prevalent.

According to Mr. Shields, spread of oak wilt may not be at such an alarming rate as first indicated. The disease has been in localized areas for several years but not recognized. Mr. Shields says trees have been dying in the Baldwin area for at least 15 years, probably of oak-wilt attacks. As far as is known, all species of oak may be attacked by this disease. Disease may be recognized by browning of leaves. Mr. Shields writes *Kansas Farmer* that fieldmen of the State Entomological Commission have been asked to be on the alert for more areas of oak wilt. Also, Dr. L. E. Melchers, State Pathologist, located at Kansas State College, has sent a mimeographed notice to county agents.

Clean Milking Machines

A clogged and dirty vacuum line is one of the possible causes for poor milking-machine responses. G. H. Beck, Kansas State College dairy husbandryman, says with most machines, small amounts of milk accumulate in the vacuum line, gradually build up to such an extent the vacuum level is reduced. Vacuum lines should be cleaned out once every 3 months by flushing a milk lye solution thru the line.

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	\$36.50	\$32.25	\$32.50
Hogs	22.35	23.80	26.50
Lambs	31.00	33.00	23.75
Hens, 4 to 5 lbs.	.24	.24	.23
Eggs, Standards	.51	.42 1/2	.33
Butterfat, No. 1	.63	.62	.51
Wheat, No. 2, Hard	2.42	2.39 1/2	2.32 1/2
Corn, No. 2, Yellow	1.72 1/2	1.80	1.47 1/2
Oats, No. 2, White	.89 1/2	.86 1/2	.83
Barley, No. 2	1.29	1.25	1.30
Alfalfa, No. 1	30.00	28.00	24.00
Prairie, No. 1	18.00	19.00	15.50

For best production

Fertilize and . . . Reseed Old Pastures

COMPLETE renovation of permanent pastures is better than just fertilization. Ample evidence to support that claim is available from a 5-year study just completed at the Agricultural Research Center of the USDA, Beltsville, Md.

Particularly in the eastern half of Kansas both dairymen and beef producers have found brome-legume pastures will out-produce native grass. But how much has the increase been? This USDA experiment will give you an idea what renovated pastures will do in comparison with good permanent pastures.

Instead of starting with poor permanent pastures at Beltsville, research workers with the Bureau of Dairy Industry and the Bureau of Plant Industry, Soils and Agricultural Engineering started with good pastures. Six pastures were selected for the experiment, all above average in productivity.

All plots received identical plant food treatment. That included 10 tons of manure and 1 ton of lime an acre in fall. But those to be renovated were then double disked and permitted to lie open during winter.

The following spring all 6 pastures were fertilized with 500 pounds of 0-14-7. Then torn up pastures were disked again and seeded to a mixture of 8 pounds of brome grass, 8 pounds of alfalfa, 3 pounds of red clover and 2 pounds of ladino clover. In the spring of the second year another application of 500 pounds of 0-14-7 an acre was made.

The first year the 2 pastures not renovated produced a little more tonnage of hay. Principal grass in one was Kentucky bluegrass and in the other orchard grass. Reason for the better record the first year was that the renovated pastures were a little slower in getting started. Even so, from July on the renovated pastures outproduced the check pastures the first year.

Were Far in Front

After the first year renovated plots were far in front of the fertilized permanent pasture not renovated. During the 5-year period, renovated plots produced an average of 3,617 pounds of TDN (total digestible nutrients) compared to 2,687 pounds of TDN for the check plots.

In addition to the increase in yield, renovated plots started producing earlier in spring and continued to produce later in fall than permanent plots. During the 5-year period 62 per cent of the nutrients from rotation-grazed permanent pastures were obtained before July 15 and only 38 per cent after July 15. Including the first year following renovation, when renovated plots were slow starting, the renovated pastures produced 57.5 per cent of their grazing before July 15 and 42.5 per cent after July 15.

From the study of these pastures it appears that renovation might well be repeated every 4 to 6 years. By doing just part of the pasture each year, it makes the practice an economically sound one, bound to succeed.

Soil-Test Labs On Increase

Total soil-testing laboratories in Kansas soon will be 30. Ten new labs will be opening or already have opened says R. V. Olson, Kansas State College agronomy department. Recently, agents of 14 counties took training in soil testing at the college: Joe Goodwin, Council Grove; John Knox, Garnett; William Guy, Holton; George Stephens, Paola; Herbert Bulk, Leavenworth; Deal Six, Lawrence; C. W. Veters, Effingham; Kermit Engle, Ellsworth;

Shell Eggs Manual

A recent publication, "Candling and Grading Manual for Shell Eggs," by the Kansas State Board of Agriculture, was prepared for use in helping develop skilled candlers and graders; also to help develop a more thorough knowledge of the egg, the importance of its care, and factors which constitute quality. Write to Farm Service Editor, Kansas Farmer, Topeka, for a free copy of this helpful bulletin.

Wilbur Levering, Topeka; Walter W. Campbell, Lyndon; Lester Griffith, Fredonia; Glenn Shriver, Lyons; Charles W. Pence, Salina, and Bruce McLaury, Mound City. Ten of the agents plan to offer the new service in their counties this year.

Previous issues of *Kansas Farmer* have given you information about the 20 soil-testing labs previously operating in Kansas. The tests show exactly the kind and amount of fertilizers soils need for greatest production.

Chick Association Changes Name

The International Baby Chick Association has changed the organization's name. At their 35th annual meeting at St. Louis, the membership voted to change the name to American Poultry and Hatchery Federation, Inc.

Don M. Turnbull, Kansas City, again will serve as executive secretary for the organization. Exhibits at the event covered a record area of 90,000 square feet of floor space in St. Louis's Kiel Auditorium. There were 155 commercial displays of poultry hatchery equipment, feeds, supplies and biologics. The 1952 convention will be in San Francisco.

The organization was formed in 1916, to promote and foster the general welfare of the poultry industry.

New 4-H Pavilion

A new 4-H judging pavilion at Kansas Free Fair grounds will be available for use at the 1951 fair, September 8 to 14. The brick building is 65 feet by 150 feet, adding 9,750 square feet to 4-H Club facilities. Ample facilities are provided for judging 150 head of livestock at one time. It will be one of the finest new structures on the Midwest fair circuit. Located in the space between the 4-H baby beef building and the swine and sheep pavilion, the addition makes an almost solid structure for nearly 400 feet along the west side of the fair grounds. The new pavilion is fireproof, is connected with buildings on either side.

In the past, 4-H livestock judging has been done on the roads within the fair grounds, causing considerable confusion.

Hold Annual Poultry Test School

Annual poultry testing school at Kansas State College this year is set for September 4 thru 7. Expected to attend are 150 flock selecting and pulperum testing agents. Several guest speakers will discuss topics related to poultry breeding, disease control, poultry data, feeding and servicing hatchery flocks. College poultry specialists also will appear on the program.

The conference is an undertaking of the departments of poultry husbandry, bacteriology, the Extension service, the Kansas Poultry Improvement Association, the Kansas Livestock Sanitary Commission and the U. S. Department of Agriculture.

Select Seed Wheat With Special Care

Large quantities of wheat seed imported into Kansas this year make special care necessary. John Monaghan, director of the Control Division of the State Board of Agriculture, says only wheat free from noxious weeds and that will germinate satisfactorily should be purchased. Since limited amounts of home-grown seed are available this year, special effort should be made in knowing what kind of seed is purchased.

Grain Conservation

Due to damage caused by recent floods and needs of the national defense program, careful handling and storing grains on farms is more important than ever. The U. S. Department of Agriculture comments tremendous annual losses of grain can be reduced by: (1) increasing grain storage capacity on farms, repairing present storage facilities and carrying out pest-control measures and (2) eliminating waste and inefficiency in feeding livestock.

REGISTERED YORKSHIRE HOG SALE

September 12, 1951

Sale at 1:00 P. M. at the Purebred Sale Pavilion

South St. Joseph, Mo.

70 head of Reg. Yorkshire Hogs, 30 Bred Sows and Gilts to farrow in September and October. 24 Spring Boars, 6 Fall Boars and 10 Open Spring Gilts. Featuring the bloodlines from Kitty Clover Farms, imported blood from Canada, Curtis Candy Co., Blakeford Farm of Maryland, Maryland Farms of East Moline, Ill. Our 2 herd sires at present are Maryland Farm 300D and Shady Nook Lad 20D. Some of the sows and gilts are sired by the Iowa Junior and Reserve Grand Champion Boar in 1947. Attend the sale and buy the meat and bacon type hogs the packers are wanting. The hogs that produce large litters. A Yorkshire boar will add the length you want in your hogs.



Write for catalog—
MAX CAIRO, Owner, Highland Phone 1821, Troy, Kansas
Auctioneer: Leon Joy

POLAND CHINA PRODUCTION SALE

Friday, Sept. 7, 1951

at the farm
75 HEAD

10 Bred Gilts, 10 Tried Sows
20 Spring Boars, 20 Spring Gilts

Many of the boars and gilts are sired by Western Buck. The sows and bred gilts are carrying the service of Western Buck and a son of the great "Dress Parade." The boar that has done so much for the C. R. Rowe & Son herd. His sons and daughters are making breed history everywhere they go. Here is your opportunity to purchase Polands of nationally famous bloodlines the best of breeding, individuality and type, at your own prices.



For catalog and information write ALBERT MORGAN, Alta Vista, Kansas
Mike Wilson, Auctioneer

SHEEP SALE --- 625 HEAD

5 Suffolk Rams
125 Columbia Rams
175 Columbia Ewes

100 Suffolk Ewes
200 Hampshire Crossbred Yearling Ewes

Sale starts at 10 A. M.

September 22 --- Milan, Missouri

Milan Sales Barn

For more information write E. B. THOMPSON RANCH

MILAN, MISSOURI

SOUTHWEST MISSOURI — MIDWEST JERSEY SALE

Neosho, Mo. — Fairgrounds — September 15, 1 P.M.

A carefully selected group of 60 head of Springer Cows, Heifers and top Young Bulls from Southwest Missouri's top herds. Other consignments from Texas, Oklahoma and Kansas, featuring 2 Heifers from Knelle Brothers Jersey Farm, Sandia, Tex., world's largest Jersey herd.



Health—Tb. and Bang's tested.

Don't Miss This Sale — We Will Be Looking for You

Write for catalog, P. R. SMITH, Rt. 2, Joplin, Mo., chairman sale committee
Bert Powell and Roy Paul, Auctioneers

Dairy CATTLE

REG. BROWN
SWISS CATTLE

Complete Dispersion

Mon., September 10
1 P. M.

42 Head, Cows, Bred and Open Heifers, Bull Calves and Herd Bull Recreation Lassie's Great, calved November 26, 1947.

WRITE

REX H. WINGET, Owner
Box 1230 Cushing, Okla.
Roy Paul, Auctioneer

Reg. Wisconsin Holstein Calves

for higher production herds. Exceptional offering of choice Wisconsin Holstein Calves. Available in large quantities. Also some Guernsey and Brown Swiss. Vaccinated against shipping fever. Health sheet furnished. Well started—no milk required. Visitors welcome. Write or Telephone. J. M. McFarland & Sons, Watertown, Wisconsin.

SHEEP

REGISTERED

Shropshire Yearling Rams

A big bunch of big rams.
D. V. SPOHN, Superior, Nebraska

CHAPPELL'S SHROPSHIRE

We offer for sale an excellent lot of yearling rams and ewes. Write or come see them. Farm on all-weather road.
CHAPPELL'S FARM, Green Castle, Mo.

RELIABLE ADVERTISERS ONLY
ARE ACCEPTED
IN KANSAS FARMER

Livestock Advertising Rates

Effective February 1, 1951

1/2 Column inch (5 lines) . . . \$3.50 per issue
1 Column inch \$9.80 per issue
The ad costing \$3.50 is the smallest accepted.

Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.

MIKE WILSON, Livestock Editor
912 Kansas Avenue
Kansas Farmer - - Topeka, Kansas

September 15
Will Be Our Next Issue

Ads for the Classified and Livestock Section must be in our hands by

Friday, September 7

If your ad is late, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.

Read the Ads in
This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of *Kansas Farmer*. Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

You Can Buy Advertised
Products With Confidence

It's Thrifty to Buy Shorthorns Where Quality and Numbers Combine
103 Lots Sell (140 head) at Auction

TOMSON BROS. GREATEST SALE
Tuesday, September 18, 1951

at the farm, 12:00 Noon
Wakarusa, Kansas

CHOICE HERD BULLS
Cow and Calf combinations

Firm Has Bred Shorthorns Since 1887

45 Lots of rich Tomson Bros. breeding including 13 outstanding "pick of the crop" herd bulls (including the tried young grand champion, Mercury's Major) and a complete dispersion of the Tanner Manor and Brungardt herds. Over 40 cows with calves at foot featuring bloodlines of well known Tomson sires, as well as the \$63,000 imported Pittodrie Upright, Sni-A-Bar Control, Edellyn Campeon Mercury, Klaymor Footprint and Cruggleton Aspiration, etc.

JAYHAWK HOTEL, Topeka, Headquarters

Catalog sent only upon request

TOMSON BROS., Wakarusa, Kansas

(Phone Wakarusa 3641)

Remember, the Gregg Farms Dispersion Sale
September 17 at Belton, Mo.

Mike Wilson for the Kansas Farmer



IN THE FIELD
MIKE WILSON
Topeka, Kansas
Livestock Editor

SEVERAL REGISTERED JERSEYS in Kansas recently were classified under a program of the American Jersey Cattle Club. Animals were rated for type, comparing them against the breed's score of 100 points for a perfect animal. Nine animals in the herd owned by David M. Schurle, St. George, were classified. One scored Very Good, 4 Good Plus, 3 Good and 1 Fair. Six Jerseys in the herd owned by L. D. Rigg & Sons, Leon, scored—2 Very Good, 4 Good Plus. Eligible animals of 3 registered Jersey herds in the vicinity of Wellington were classified. The 8 animals in the herd owned by C. A. Ewing, Conway Springs, rated—7 Good Plus and 1 Good. The 15 animals in the herd owned by J. Lawrence Byler, Pine Crest Dairy Farm, Wellington, rated—3 Very Good, 10 Good Plus and 2 Good. Two of these animals were jointly owned by John Weir, Jr., Geuda Springs, and Mr. Byler. Seven of the 13 animals classified in the Weir herd received the rating of Very Good, 5 were Good Plus and 1 Good.

SEVERAL HOLSTEIN HERDS and cows recently completed production records with the Holstein-Friesian Association of America. These herds, their records and owners cited, were: Floyd Jantz, Canton, 5 cows averaged 473 pounds of butterfat and 12,199 pounds of milk in 328 days on 2 milkings daily; Eugene R. Smith and J. M. White, Topeka, 27 cows averaged 433 pounds of butterfat and 12,036 pounds of milk in 297 days on 2 milkings daily; Luther Shetlar, Conway Springs, 14 cows averaged 418 pounds of butterfat and 12,235 pounds of milk in 308 days on 2 milkings daily. A B T Champ Rosy, registered Holstein cow owned by Abram B. Thut, Clearwater, has set a new state production record. This cow takes the lead for all of Kansas' junior 2-year-old Holsteins milked 2 times daily in the yearly division, with production of 622 pounds of butterfat from 17,610 pounds of milk.

Production records and owners of these cows recently were cited: Inka De Kol Pabst, 545 pounds butterfat, 16,050 pounds milk, 2 milkings, owned by Glenn A. Palmer, Topeka; Ackerman Gerben Inka, 653 pounds butterfat, 16,338 pounds milk, 2 milkings, Albert Ackerman, Sabetha; Nora White Star, 405 pounds butterfat, 12,490 pounds milk, 2 milkings, Rudolf Mueller & Son, Halstead; Zarnowski Triune Colantha, 829 pounds butterfat, 25,742 pounds milk, 3 milkings, Clarence Zarnowski, Halstead; Johanna Ormsby Dictator, 626 pounds butterfat, 17,866 pounds milk, 2 milkings, Eugene R. Smith & J. M. White, Topeka; Ormsby Mabel K. Posch, 455 pounds butterfat, 11,539 pounds milk, 2 milkings, H. A. Meier, Abilene; L. JaiCee Queen Star, 560 pounds butterfat, 12,659 pounds milk, 2 milkings, Grover G. Meyer, Basehor; Onabank Plebe Kay, 599 pounds butterfat, 15,833 pounds milk, 2 milkings, Lloyd Shultz, Pretty Prairie; Stramlawn Concentrator Tidy, 560 pounds butterfat, 14,135 pounds milk, 2 milkings, Harold R. Kesler, Sabetha; Mac-Bess Aaggie Champion Inka, 486 pounds butterfat, 12,397 pounds milk, 2 milkings, Dale Kubin, McPherson; Namaha Royal Lois, 682 pounds butterfat, 17,775 pounds milk, 2 milkings, Harry C. M. Burger, Seneca; Leohost X Rotha Alemeta, 577 pounds butterfat, 16,628 pounds milk, 2 milkings, Leo H. Hostetler, Harper; Mt. Joseph Tidy Nellie Wilda, 757 pounds butterfat, 22,552 pounds milk, 2 milkings, St. Joseph's Orphan Home, Abilene; Jolly Acres Queen Elba, 560 pounds butterfat, 15,008 pounds milk, 2 milkings, C. L. E. Edwards, Topeka; Lafalot Florence Jane, 404 pounds butterfat, 11,634 pounds milk, 2 milkings, J. H. Mueller, Halstead.

HOGS

Private Sale DISPERSION of my Duroc Herd

Result of 47 years breeding top quality and blood of Duroc breed.

Gilts bred to Model Facemaker boar—Wesley Miller of Montpelier, Ohio, states near perfection in type and quality, some to Stylish Leader—Bosingham says he is a duplicate of his Leaders Pride—a \$1,510 boar. Spring pigs by our proven sires since 1946 and out of top sows. If possible come make your own selections. If not will describe as I see them. Prices right. Loss of health makes it imperative that I sell. Everything double insured. Will record all certificates to you. Crate and deliver FOB Lyons.

Thanking you for past support in my 47 years and I know have best ever to offer—you come see. Yours for better Durocs.

G. M. SHEPHERD
Lyons, Kansas

DUROC HOG SALE
October 17, 1951

Offering 100 head of Duroc boars and gilts from Nebraska's only production accredited herd. Including 16 pigs from World's Heaviest Production Registry Litter raised by one sow. For catalog write

WILLARD WALDO
DeWitt, Nebraska

HAVEN HOLLOW FARM DUROCS

Featuring now daughters of Stylish Wonder bred to Fleet (by Fleetline) for September litters. Also Spring Boars. Best of bloodlines. Registered, immune and guaranteed. Write or see G. F. GERMANN & SON, Manhattan, Kansas

DUROC BRED GILTS

To farrow soon. Same quality as those in last February Sale, which was one of nation's top sales. Also choice boars. No fall sale. VERN V. ALBRECHT, Smith Center, Kansas.

ROEPKE DUROC FARM

Quality Spring Boars and Gilts
Best we ever raised. Sired by 4 leading sires. Also a litter of 9 by "The All American." All registered and vaccinated. ARTHUR E. ROEPKE, Waterville, Kan.

DUROCS—BOARS AND BRED GILTS
Offering good dark red spring boars ready to go. Also nice bred gilts attractively priced. Mostly bred to son of Distinction, \$2,500 Jr. and Res. Gr. Ch. of Ind. Leslie A. Stewart, Americus, Kan.

REGISTERED HAMPSHIRE

Piggy Gilts, Sows with litters. Serviceable Boars. Pigs cheap. DWAIN HOLCOM, Gypsum, Kan.

YORKSHIRE BRED GILTS

Registered Yorkshire Bred Gilts. Few now available. 2 1/2 m. east and 1/2 m. north of Hutchinson. RALPH BARNES, Rt. 4, Hutchinson, Kan.

REG. SPOTTED POLANDS

Extra nice Gilts bred to farrow in September. Citation breeding, bred to Diamond Boy. Choice spring Boars. See them at Kansas Free Fair. SUNNYBROOK FARM
H. E. Holliday, Owner Richland, Kan.

Dairy CATTLE

REGISTERED and GRADE HOLSTEINS FOR SALE

12 Cows, ranging from 3 to 5 years old, on DHIA with about 400 lbs. fat average. 5 Coming 2-year-old Bred Heifers due in February. 8 Heifer Calves, Registered Holsteins are Ormsby, Double Dictator breeding. Will sell cows or heifers as a group or the 25 head. Do not want to sell 1 or 2 head. These are good Holsteins and they will interest you. Must sell quickly and they are priced to sell.

Inquire of

F. H. HARKENDORF
1311 Fulton St., Falls City, Nebr.

(Falls City is 4 miles north of Kansas-Nebraska line and 15 miles north of Hiawatha, Kan.)

Service Age Holstein Bull

14 months old—ready for heavy service. His sire is from a 601-lb. 4-year-old with a 4.7% test. His own dam is sired by Maytag Ormsby Fobes 14th whose first 8 daughters averaged 506 lbs. on 2x at 2 years. Mostly dark in color. Very good type. Priced right. Herd average 583 lbs. on 2x milking.

ERNEST A. REED & SON, Lyons, Kan.

Private Sale Dispersion

40 HEAD
Reg. and Grade Holsteins

Fresh and heavy springers, September and October dates. Cows, Heifers, Calves. Two Bulls serviceable age.

A. F. Sanders, Rt. 2, Dodge City, Kan.

EMERALD ACRES REGISTERED AYRSHIRE SALE

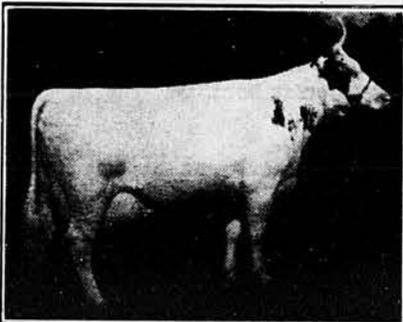
Sale to be held under tent at farm 7 1/2 miles southwest of

Rich Hill, Mo.

Sale starts promptly at 12:30 on

Monday, September 10

Selling 60 Head of REGISTERED AYRSHIRES
THE SALES OFFERING



25 Good Age Cows, fresh and heavy springers; 5 2-year-old bred heifers; 20 past yearling heifers; 7 young heifer calves; 3 service-age bulls. All cows selling are sound. Most all vaccinated for Bang's and mostly dehorned. Young Ayrshires are sired by the 2 herd bulls I have been using. They are Appletwood Victor 95859 Imported. His dam is Appletwood Rachel 386267 with ROP at age 2 years of 12,211 lbs. milk and 535 fat with 4.38% test. His sire is Rainbow Special Order 95858 and "Order" sire was Imported. The other sire is Braeheld Barr Swank 87372 Imported. His dam is Weyburn Glen Swallow 340399 classified "Excellent" ROP. (Mature) 13,024 lbs. milk, 567 lbs. fat, test 4.35%. His sire is College Barber 74623 whose dam has 4 records from 13,334 lbs. of milk, 570 lbs. of fat to 20.64 lbs. of milk and 849 lbs. of fat. Test average over 4%. Both bulls are Canadian bred bulls. The production back of these bulls should indicate the possibilities of these young heifers when they come into production.

Write to owner or sales manager for catalog giving more information about this offering.
C. C. "CONNIE" McGENNIS, Owner, Rich Hill, Missouri
DONALD J. BOWMAN, Sales Manager, Hamilton, Mo.
Auctioneer: Bert Powell, Topeka, Kansas

RIDGE RUN FARM JERSEYS

COMPLETE DISPERSAL SALE

Aurora, Missouri

September 17, 1951

100 Head—SELLING—100 Head

Starts promptly at Noon
THE BIGGEST JERSEY DISPERSAL IN THE MIDWEST IN 1951

1 Superior Sire sells.
1 5-star son of Brampton Royal Maid's Basll sells.
Daughters of 3 Superior Sires make up the majority of females selling.

YOU CAN FIND YOUR WANTS IN JERSEYS HERE

Milking machines and dairy equipment sell in the morning.

For catalog write to:
LAURENCE GARDINER, Sale Manager
1863 Cowden Ave., Memphis 4, Tennessee



PINNACLE STANDARD AIM, Excellent Superior Sire. Many of his daughters and granddaughters sell.

FEES-PARAMOUNT DISPERSAL

September 20 — Parsons, Kan. — 12:30 P. M.

60 REGISTERED GUERNSEYS

30 Cows — 11 Bred Heifers — 10 Open Heifers — 9 Bulls

Sale includes: a son of Langwater King of the Meades with 21 of his daughters. a grandson of King of the Meads with 9 of his daughters. a son of Gayhead's Imperial with 8 of his daughters.
Big, high-producing Cows and Bred Heifers — These are good ones!

For catalogs write **F. W. MADDEN, 32 Observatory Hill, Columbia, Mo.**
SOUTHWEST SALES SERVICE — "Our business—satisfied customers"

Public Sales of Livestock

Aberdeen-Angus Cattle
September 1—Hal T. Hooker, Maryville, Mo. Catterson Bros., Maryville, Mo., and Leo Archer, Conception, Mo. Leo Archer, Sale Manager, Conception, Mo.
November 7—Kansas State Aberdeen-Angus Breeders Sale, State Fairgrounds, Hutchinson, Kan. Don L. Good, Secretary, Manhattan, Kan.
November 9—"The Humeston Breeders Registered Consignment Sale," Humeston, Ia. Donald J. Bowman, Sales Manager, Humeston, Ia. Donald J. Bowman, Sales Manager, Humeston, Mo.
December 12—Commercial and Purebred Angus Sale, Dodge City, Kan. Don L. Good, Secretary, Manhattan, Kan.

Ayrshire Cattle
September 3-4—Normandy Farm Dispersal, Norristown, Pa., Rt. 3, Tom Whittaker, Sale Manager, Brandon, Vt.
September 10—Emerald Acres, C. C. McGennis, Rich Hill, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
October 4—Lakeview Ayrshire Farm, Lakeview, O. Ohio Ayrshire Service, Frank Dicks, Manager, 116 North Main St., New Bremen, O.
November 1—Kansas Ayrshire Production Sale, El Dorado, Kan. G. Fred Williams, Sale Manager, Hutchinson, Kan.

Brown Swiss Cattle
September 10—Rex H. Winget, Cushing, Okla.—Complete dispersal.
October 17—Tri-State Sale at Topeka, Ross W. Zimmerman, Sale Manager, Abbeville, Kan.

Guernsey Cattle
September 20—Fees-Paramount Dispersal, Parsons, Kan.
October 19—Ninth Annual Kansas Guernsey Breeders Consignment Sale, Fairgrounds, Hutchinson, Kan. C. J. Graber, Secretary, Rt. 1, Newton, Kan.

Holstein Cattle
September 11—C. A. Ewing & Carle Dix, Conway Springs, Kan.
October 2—Dispersal Sale, Kansas State School for the Deaf, Olathe, Kan. Stanley D. Roth, Superintendent.
October 8—Nebraska State Holstein Association Sale, Lincoln, Nebr. Merle Severe, Palmyra, Chairman Sale Committee, T. Hobart McVay, Sale Manager, Nickerson, Kan.
October 8—Nebraska State Holstein Association, Lincoln, Nebr. Merle Severe, Palmyra, Chairman Sale Committee, T. Hobart McVay, Sale Manager, Nickerson, Kan.
October 10—Kansas State Holstein Association Sale, Abilene, Kan. Grover Meyer, Chairman of Sale Committee, Easeron, Kan.
October 25—Central Kansas Holstein Consignment Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.

Beef CATTLE

**MULVANE RANCH
DISPERSION**

**December 3 and 4
SELLING 500 HEAD**



Registered Herefords at the 4E Ranch headquarters. Beau Perfect 248th sire of champions and top sellers. Francis Davis of Rossville is foreman of Mulvane Ranch. 4E Ranch is located 5 miles south and 1 mile west of Topeka. It is stocked with 200 head of registered Herefords.

**ALLEN ENGLER & SONS, Owners
TOPEKA, KANSAS**

**FOR SALE
A Few Registered**

POLLED HEREFORD COWS
to calve soon. Worthmore breeding, bred to PVE Advance Worth 300th, bred to Hereford Inc., 1951 spring show champion.
EBEL'S POLLED HEREFORDS
Wamego, Kansas

**Registered Double Standard
POLLED HEREFORDS**

1 Herd Sire, popular bloodlines. 13-month-old Bull. 9 outstanding Bull Calves, 3 outstanding Heifer Calves. **GLENN J. BIBERSTEIN & SON**, 2 miles west and 1 north of Attica, Kan. Ph. 3708

100 HEAD

Banburys' POLLED SHORTHORNS

Established in 1907
Herd sire: Cherry Hill Hallmark. Bred by Oakwood Farm. 3rd in Get of Sire, at the Kansas State Fair in 1950.
Princess Coronita—Champion female at the Kansas State Sale, sired by Red Coronet 2nd. Herd sire bred by Thelmas. Males and females (some of the best) for sale, calfhood vaccinated. Can deliver at cost in Kansas, 9 miles southwest of Hutchinson, then 14 miles west on blacktop road.
J. C. BANBURY & SONS, Plevna, Ks.

FOR SALE

A Very Choice Shorthorn Bull

Registry No. 2477540
**J. B. HERRINGTON, Silver Lake, Kansas
Phone 203**

LACY SHORTHORNS

At the present time we are offering 8 open heifers and 5 bred heifers, well marked and of popular bloodlines. Good individuals sired by and bred to outstanding bulls. Any one interested in building a herd or adding select females to an already established herd, should not fail to see this offering at once.
E. C. LACY, Miltonvale, Kansas

**BLUE MEADOWS FARM
SHORTHORNS**

**MILKING SHORTHORNS and also
BEEF SHORTHORNS**

of good breeding; male calves of both types, 6-14 months of age. Would also sell a few best type cows or heifers.

WILEY FORTNER, Rt. 2, Fredonia, Kan.

Dual-Purpose CATTLE

REG. MILKING SHORTHORNS

We have for sale on account of the labor situation 17 Bred Cows and Heifers, also 4 that are nursing calves that will calve again soon. These are cows we milk in the winter since we can't get good help we will sell them all. All are calfhood vaccinated for Bang's. They are daughters of Wildcock Pride R M and Retnuk Brungardt Star R M.
**MORRISON & OTTE
Route 4 Great Bend, Kansas**

**BROOKVIEW MILKING
SHORTHORN HERD**

Cows classified and DHIA tested. Visitors always welcome.
LEROY HARVEY, Hill City, Kansas

Reg. Milking Shorthorn Cow

to freshen soon, also a heifer and several bulls to 1 year old. **JOSEPH STUCKY, Moundridge, Ks.**

• AUCTIONEERS •

HAROLD TONN
Auctioneer and Complete Sales Service
Write, phone or wire
Haven, Kansas

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

**RELIABLE ADVERTISERS ONLY
ARE ACCEPTED
IN KANSAS FARMER**

Hereford Cattle

- September 5—Davis Stock Farm Registered Hereford Dispersion, Derby, Kan.
- September 25—Blue Grass Breeders' Association Show and Sale, Princeton, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
- October 12—Brown Brothers, Fall River, Kan.
- October 13—OK Ranch, Brookville, Kan.
- October 20—O'Bryan Ranch, Hiattville, Kan.
- October 22—Beeks & Cleland, Baldwin, Kan.
- October 29—Pikes Peak Cattle Growers' Association Sale, Colorado Springs, Colo.
- October 29—Mousel Bros., Cambridge, Nebr.
- October 30—North Central Kansas Hereford Sale, Dr. George Wreath, Sale Manager.
- October 31—Bob White Hereford Farm, Enterprise, Kan.
- November 1—Flint Hills Association, Cottonwood Falls, Kan.
- November 2—Haven Hereford Breeders, Hutchinson, Kan.
- November 2—Central Kansas Polled Hereford Association Show and Sale, Herington, Kan.
- November 2—O. J. Shields, Sale Manager, Lost Springs.
- November 2—Haven Hereford Association, Hutchinson, Kan.
- November 3—Jesse Riffel & Sons, Enterprise, Kan.
- November 5—Frank R. Condell's Dellford Ranch, El Dorado, Kan.
- November 7—Lincoln County Hereford Association, Sylvan Grove, Kan.
- November 7—Cowlley County Hereford Breeders, Winfield, Kan.
- November 8—Midwest Polled Hereford Association, Deshler, Nebr.
- November 10—Al Schuetz and William Belden, Horton, Kan.
- November 10—W. H. Tonn & Son, Haven, Kan.
- November 12-13—Sunflower Futurity, Hutchinson, Kan.
- November 14—Osage Valley Registered Consignment Sale, Osceola, Mo. (Sale at KB Ranch, Iconium, Mo.) Donald J. Bowman, Sales Manager, Hamilton, Mo.
- November 14—K Ranch, Hutchinson, Kan.
- November 17—O'Bryan Ranch, Hiattville, Kan. (Polled)
- November 19—Summer County Breeders, Caldwell, Kan.
- November 20—Central Kansas Polled Hereford Association, Herington, Kan.
- November 20—Jesse Riffel & Sons, Enterprise, Kan. (Polled)
- November 27—Mathison Bros., Natoma, Kan.
- November 28—WHR Royal Tredway 9th Sale, Oakley, Kan.
- December 3 and 4—Mulvane Hereford Ranch Dispersion, Topeka, Kan.
- December 7—South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Moundridge, Kan.
- December 8—A. R. Schlickau & Sons, Haven, Kan.
- December 10—Kansas Polled Hereford Sale, Hutchinson, Kan.
- February 5-6—Kansas Range Bull Sale, Dodge City, Kan.
- February 9—Dickinson County Hereford Breeders' Association, Abilene, Kan.
- February 14, 1952—Kaw Valley Hereford Association, Manhattan, Kan. Baas Powell, Sale Manager, Manhattan, Kan.
- February 22—Sam Gibbs, Clay Center, Kan.
- April 12—Kansas Hereford Association, Horton, Kan.

Polled Hereford Cattle

- September 7—Tom Woods, Fayette, Mo.
- Jersey Cattle**
- September 11—C. A. Ewing and Carle Dix, Conway Springs, Kan.
- September 17—Ridge Run Farm (J. K. Burney, Owner), Aurora, Mo. Laurence Gardiner, Manager, 1863 Cowden Ave., Memphis 4, Tenn.
- October 11—Byler & Weir Production Sale, Hutchinson, Kan.
- October 15—Kansas Jersey Cattle Club State Sale, Manhattan, Kan., at Kansas State College, Ivan N. Gates, Sale Manager, West Liberty, Ia.

Red Poll Cattle

- October 26—Kansas-Missouri Red-Poll Sale, Free Fair Grounds, Topeka, J. E. Loepke, Secretary, Penasola, Kan.

Shorthorn Cattle

- September 17—Gregg Farms Dispersion by W. H. Hargus Land and Cattle Co., at Silver Top Farms, Belton, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.
- September 18—Tomson Bros., Wakarusa, Kan.
- September 28—Hartley Stock Farms, Baxter Springs, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.
- September 29—J. L. Early, Carl Junction, Mo. Mervin Aegerter, Sales Manager, Seward, Nebr.
- October 4—National Shorthorn Sale, Omaha, Nebr. American Shorthorn Breeders' Association, Managers, 7 Dexter Park Ave., Chicago 9, Ill.
- October 25—North Central Kansas Shorthorn Breeders, Beloit, Kan. Ed Hedstrom, Secretary, Marysville, Kan.
- November 8—Kansas State Polled Shorthorn Sale, Hutchinson, Kan.
- November 9—Kansas State Horned Shorthorn Sale, Hutchinson, Kan.

Milking Shorthorn Cattle

- October 31—Milking Shorthorn Consignment Sale, Hutchinson, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.
- November 8—McPherson County Milking Shorthorn Sale, Moundridge, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.

Polled Shorthorn Cattle

- October 4—National Polled Shorthorn Sale, Omaha, Nebr. American Shorthorn Breeders' Association, Managers, 7 Dexter Park Ave., Chicago 9, Ill.
- October 22—Missouri Breeders' Association, Sedalia, Mo. Rollo E. Singleton, Secretary, Jefferson City, Mo.

All Breeds Cattle

- November 9—Ottawa County All-Breed Sale, Minneapolis, Kansas. Louis Cooper, Sale Manager, Minneapolis, Kan.

Chester White Hogs

- October 8—Roy Koch, Bremen, Kan. (Night Sale at Marysville.)
- October 20—Elmdale Farm (Eldon L. Mosler), Oswego, Kan.

Duroc Hogs

- September 26—Sasnak Dispersion, White Cloud, Kan.
- September 27—Peppard Farms, Lawson, Mo.
- September 27—Allen Kettler, Paola, Kan.
- October 4—Kansas Duroc Breeders' Association, Horton, Kan.
- October 5—Frank Alexander, Corning, Kan.
- October 9—Boar and Gilt Sale, U. S. Center Duroc Association, Smith Center, Kan. Vern V. Albrecht, Sale Manager, Smith Center, Kan.
- October 13—NCK Duroc Sale, Belleville, Kan. Dr. George Wreath, Sale Manager.
- October 17—Willard Waldo, DeWitt, Nebr.
- October 20—Willis Huston, Americus, Kan.
- October 22—(Night) Fred Farris, Faucett, Mo.
- October 23—Kansas Duroc Breeders' Association, Abilene, Kan.
- February 9—Bred Sow Sale, Vern V. Albrecht, Smith Center, Kan.

Poland China Hogs

- September 7—Albert Morgan, Alta Vista, Kan.
- September 24—Glenn Wiswold, Spring Hill, Kan.
- October 6—N. L. Farmer, Platte City, Mo.
- October 22—C. R. Rowe & Son, Scranton, Kan. (Night Sale) at Osage City.
- October 24—Kansas Poland China Breeders' Association Sale, Hutchinson, Kan. Ray Sawyer, Sale Manager, Big Springs, Kan.

Yorkshire Hogs

- October 5—Kansas Chester White Breeders Association, sale at Hiawatha, Kan. DeLaine Hinkle, Sale Manager.
- October 6—Charles Booz & Son, Portis, Kan. Sale at Osborne, Kan.

Sheep

- September 1—S. E. Colorado Purebred Sheep and Swine Breeders' Association. Tom W. Beede, Sale Manager.

WE HAVE THE QUALITY YOU SEEK
RUGGEDNESS, SUBSTANCE, HEAVY BONE, GOOD HEADS and NATURAL FLESHING
HARTLEY FARMS

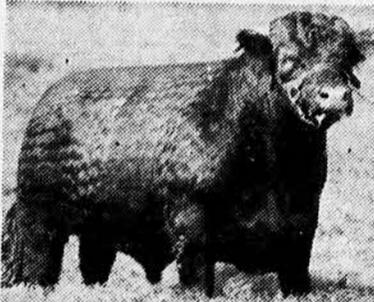
REG. SHORTHORN PRODUCTION SALE

September 28 - Baxter Springs, Kan.

At the farm (3 miles north, 1 1/2 west of Baxter Springs) 1:00 P. M.

SELLING:

**13 Good headed, heavy boned, short legged Bulls.
42 Females, Cows with calves at foot, Bred and Open Heifers, a valuable group.**



MOY BOUNTY—our recently imported junior herd sire. His sire Crichton Air Marshall sired the champion female at Perth, Scotland, in 1949 and 1950. Several of the top females selling in this sale will be mated to this extremely short legged, heavy boned bull.



HARTLEY FARMS DURA 5TH—sire imported Gassel Dura and out of Saltoun Augusta 13th by Uppermill Sentinel. He is one of the 13 good headed, heavy boned young bulls selling in this sale.

Good Bulls Prove the Difference

And we can prove it to you in this sale. We are anxious to show you our new junior herd sire **Moy Bounty**, solid red senior yearling, which we recently purchased from L. E. Mathers & Son, Mason City, Ill. We think you will agree that he is one of the shortest legged and heaviest boned bulls you have ever seen. He has a good head too, is smooth with a bulging rear quarter. Several of the top females in this sale will be mated to him.

13 BULLS, all sired by Gassel Dura and the best group of bulls we have ever offered. 10 of them are junior and summer yearlings ready for the strongest service. 3 of them are senior bull calves and we believe you will have to drive many miles to find better bulls than a half a dozen or so you will find in this group. They are out of dams by Gassel Dura, Supreme Mercury, Uppermill Sentinel, Supreme Gold-finder, Millhills Jasper and Miles of View Prince.

40 FEMALES, including 14 outstanding yearling heifers purchased from Tomson Bros., Wakarusa, Kan., and all sired by Mercury's Archer, the 1945 Kansas champion bull and by Edellyn Minion Mercury by Calrossie Mercury. Also, 7 choice heifers purchased from Gustafson Bros., Osage City, Kan., and daughters of Royal Baronet, Royal Pilot and Elkhorn Hero. These have all been bred to Gassel Dura or one of his top sons. There will be 12 cows nearly all with calves at foot by Mercury Rolox or Gassel Dura. Also, several young daughters of Gassel Dura mated to Moy Bounty. Everything sells Tb. and Bang's tested and in production as there is only one open heifer.

For the catalog and other information, write—

MERVIN F. AEGERTER

Sale Manager, Seward, Nebraska

C. D. Swaffar, Auctioneer

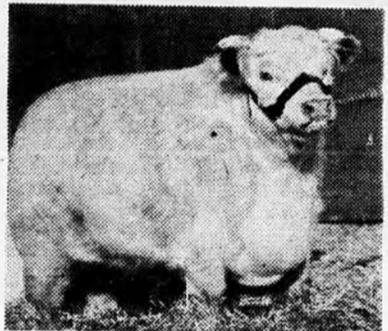
Mike Wilson for Kansas Farmer

Your attention is called to the **J. L. Early Shorthorn Sale** at nearby Carl Junction, Mo., on September 29, the day following our sale. Over 100 head of top Shorthorns selling in these 2 big sales.

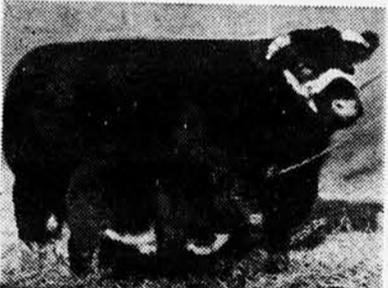
IT'S COMING!

Gregg Farms SHORTHORNS in Complete Dispersion

Herd Purchased by W. H. Hargus Land and Cattle Company Sells Intact
BELTON, MISSOURI — SEPTEMBER 17



GREGG FARMS HOARFROST—owned by Kansas State College, Manhattan, Kan., this son of Edellyn Valiant Mercury was the reserve grand champion bull at the 1949 Chicago International Livestock Show. His dam and 2 full brothers sell in this sale.



GREGG FARMS PRINCESS and her daughter **PRINCESS ELIZABETH**—this pair of females and another daughter and full sister, Princess Susanna, were leading winners and champions at many major shows for Sni-A-Bar Farms, Grain Valley, Mo. A full sister to Gregg Farms Princess sells in this sale.

Sale will be held at Silver Top Farms, Belton, Mo., 22 miles south of Kansas City, Mo. Sale starts at 10 A. M.

**GOOD INDIVIDUALS . . . GOOD BACK-
GROUNDS in the 240 HEAD SELLING.
188 LOTS**

31 Bulls; 54 Cows and calves; 53 Bred Cows, many close to calving; 33 Bred Heifers, every one sired by a great bull; 17 Open Heifers.

THREE HERD BULLS—

Edellyn Valiant Mercury, 7 years old and certainly one of America's all-time great Shorthorn sires sells along with 21 sons and 52 daughters plus approximately 25 calves at foot.

Klaymor Kohinoor, 5 years old W. J. Russell bred sire and top-selling bull of the 1947 Klaymor Farms Sale. He sells in this sale along with 9 sons and 23 daughters in addition to 25 calves at foot of dams.

Gregg Farms Champion, calved April 1, 1949, and a full brother to Gregg Farms Hoarfrost. A dark roan bull that has been generally considered as outstanding as his famous brother.

32 daughters of Newallian Legion . . . 52 daughters of Edellyn Valiant Mercury . . . 23 daughters of Klaymor Kohinoor . . . 11 daughters of Gregg Farms Baronet . . . others by Sni-A-Bar Jasper, Garguston Royal Jubilee, Uppermill Loyal King, Anoka Scotsman and Type's Clipper King.

Thirty-three bred heifers all reserved for herd replacement, daughters of Edellyn Valiant Mercury and Klaymor Kohinoor. They carry the service of Gregg Farms Champion.

Everything sells Tb. and Bang's tested. Official calfhood vaccination for Bang's since 1945.

There will be countless buying opportunities in this sale, including 2 full brothers and a dam of a Chicago International reserve champion and Denver grand champion bull; 2 full sisters and the dam of an American Royal Livestock show reserve champion bull; a full sister to the many times champion, Gregg Farms Princess, dam of Sni-A-Bar Farms Denver and Ft. Worth champion females, Princess Susanna and Princess Elizabeth. This entire group of cattle have been carried on good grass pasture since early spring and sell in ideal breeding condition.

GREGG FARMS SHORTHORNS

Owned by W. H. Hargus Land & Cattle Co., Harrisonville, Missouri

For catalog and other information, address—

MERVIN F. AEGERTER, Sales Manager

Seward, Nebraska

Auctioneers—Halsey, Good, Sims and Feedback

Bert Powell with this publication

COMPLETE DISPERSAL OF DAIRY CATTLE

Sept. 11 on farm 6 miles N. and 1 W. of Conway Springs, Kan.

37 HEAD OF REGISTERED JERSEYS AND HOLSTEINS

- 10 Registered Jersey Cows from 2 to 10 years old, fresh and to freshen soon with HIR herd average 7,684 lbs. milk, 435 lbs. B. F. Classified good to very good.
- 2 Hall Mark Bred Heifers.
- 5 Heifer Calves sired by herd sire: Sir Jolly Volunteer, 2-star bull, grandson of Sparkling Standard Sir who is also to sell.
- 15 Grade Holsteins 2 to 6 years old in milk and to freshen soon.
- 1 Registered Holstein from Toplift herd to freshen October 22; 6 years old, record: 313 days, 14,344 lbs. milk, 470 lbs. B. F.
- 2 two-year-old Cows with records up to 11,740 lbs. milk, 471 lbs. B. F.
- 3 Heifer Calves, 1 artificially bred. Sire of the bull in use: Posch Crystella Tidy; his dam's production 3 years: 17,620 lbs. milk, 740 lbs. B. F.
- Sire of 7 cows in the herd is Shetlar's Sir Triune Improver; dam's record: 317 days, 16,160 lbs. milk, 551 lbs. B. F.

This is a herd of selected and producing cows. All animals calfhood vaccinated or Tb. and Blood Tested. Included in sale, all dairy equipment and 2,000 bales of alfalfa hay. Hay-Dairy equipment.

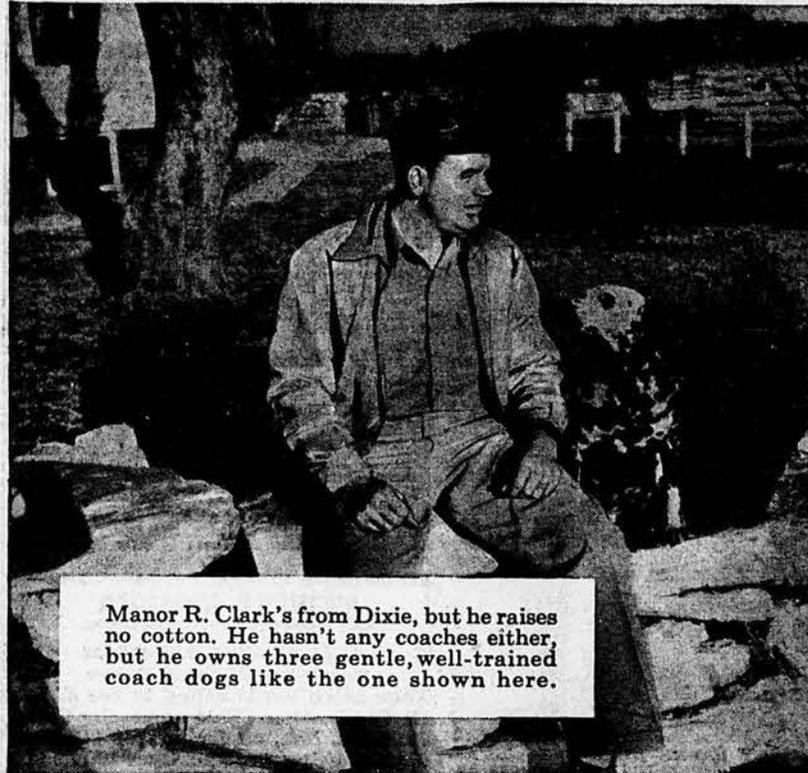
C. A. EWING and CARLE DIX, Owners, Conway Springs, Kan.

C. W. Cole, Wellington, Auctioneer

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SEP 10 1951
COLLEGE OF
MANHATTAN
SCHOOL OF
SCIENCE



THE TANK TRUCK



Manor R. Clark's from Dixie, but he raises no cotton. He hasn't any coaches either, but he owns three gentle, well-trained coach dogs like the one shown here.



Sire of a fine herd of registered Herefords is this 2,000 pound bull, blue-ribbon winner at the Henderson County fair the last two years.

A Corny Story About Dixie

WAY DOWN SOUTH in de land of cotton, Manor Clark raises corn. He also grows hay, cattle and hogs, but nary a boll of cotton.

Mr. Clark has a 300-acre farm near Smith Mills, Kentucky, and also works 250 acres around Corydon in Henderson County. His cattle are registered Herefords, sired by a prize-winning bull that is the pride of the county. His swine are Hampshires and Poland Chinas.

"I use 4 tractors, 2 trucks and much other

farm equipment in my operations," Mr. Clark says, "and have used Conoco motor oils and greases since 1942.

"My experience has been that motors in my tractors and trucks stay cleaner . . . and operate a longer number of hours between overhauls . . . when I use new Conoco Super Motor Oil.

"I've also found that consumption of Conoco Super is very low, while operating tractors day and night during spring farming.

"And not the least of my enthusiasm for

Conoco is the dependable, prompt and helpful service of the Conoco jobber at Henderson, the Home Oil and Gas Company."

Why don't you call Your Conoco Man today, for dependable, prompt and helpful delivery of Conoco Super Motor Oil, for cleaner engines and longer hours between overhauls, like Mr. Clark gets.

From Black to Pretty Brown



"My car and trucks have used new Conoco Super since it came out," writes Rex C. Moffett, Bingham County Weed Supervisor, Blackfoot, Idaho. "One vehicle was using oil and the oil turned black with 300 to 800 miles use . . . after changing to Conoco Super (and cleaning the motor, with frequent filter element changes) the truck quit using oil and the drained oil was no longer black, but a pretty brown. 30,000 miles of no wear on my own car is good enough for me, considering those miles have been put on during the past 6½ months!"

"50,000 Miles-No Wear!"

After a punishing 50,000-mile road test, with proper crankcase drains and regular care, engines lubricated with new Conoco Super Motor Oil showed no wear of any consequence . . . in fact, an average of less than one one-thousandth of an inch on cylinders and crankshafts. AND gasoline mileage for the last 5,000 miles was actually 99.77% as good as for the first 5,000! This test proved that new Conoco Super, with OIL-PLATING can make your cars and trucks last longer, perform better, use less gasoline and oil.



Buttermilk Icing



... by Wanda White
Tulsa, Oklahoma

½ cup butter
3 cups powdered sugar
2 T. buttermilk

½ t. vanilla
3 T. coffee
1 egg yolk

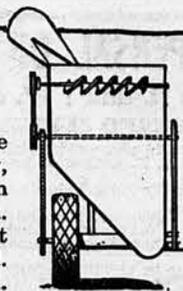
Beat! Beat! Beat! If you want chocolate, add cocoa.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dep't E, Conoco Cafeteria, Ponca City, Okla. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Co.

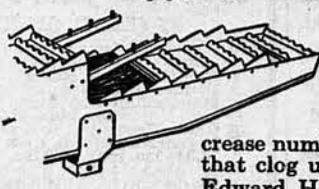
FARM KITCHEN

Labor Saver

To avoid pushing grain into the bin on his combine, Ray Schrag, Marquette, Kansas, installed an old auger 5" from top of bin. The auger is powered by a V-belt from a pulley on carry wheel. Saves several stops each load.



Won't Catch Beards



Plyboard ¼" thick, 8" long fastened inside last drop on combine straw walkers will considerably decrease number of beards of wheat that clog up straw walkers, says Edward Hey, Ferdig, Montana.



SAWS FOR IDEAS!

Send your original ideas to *The Tank Truck*, Dep't E, Continental Oil Company, Ponca City, Okla., and get a genuine \$10.25 D-15 Henry Disston Hand Saw for every idea that's printed!

YOUR CONOCO MAN