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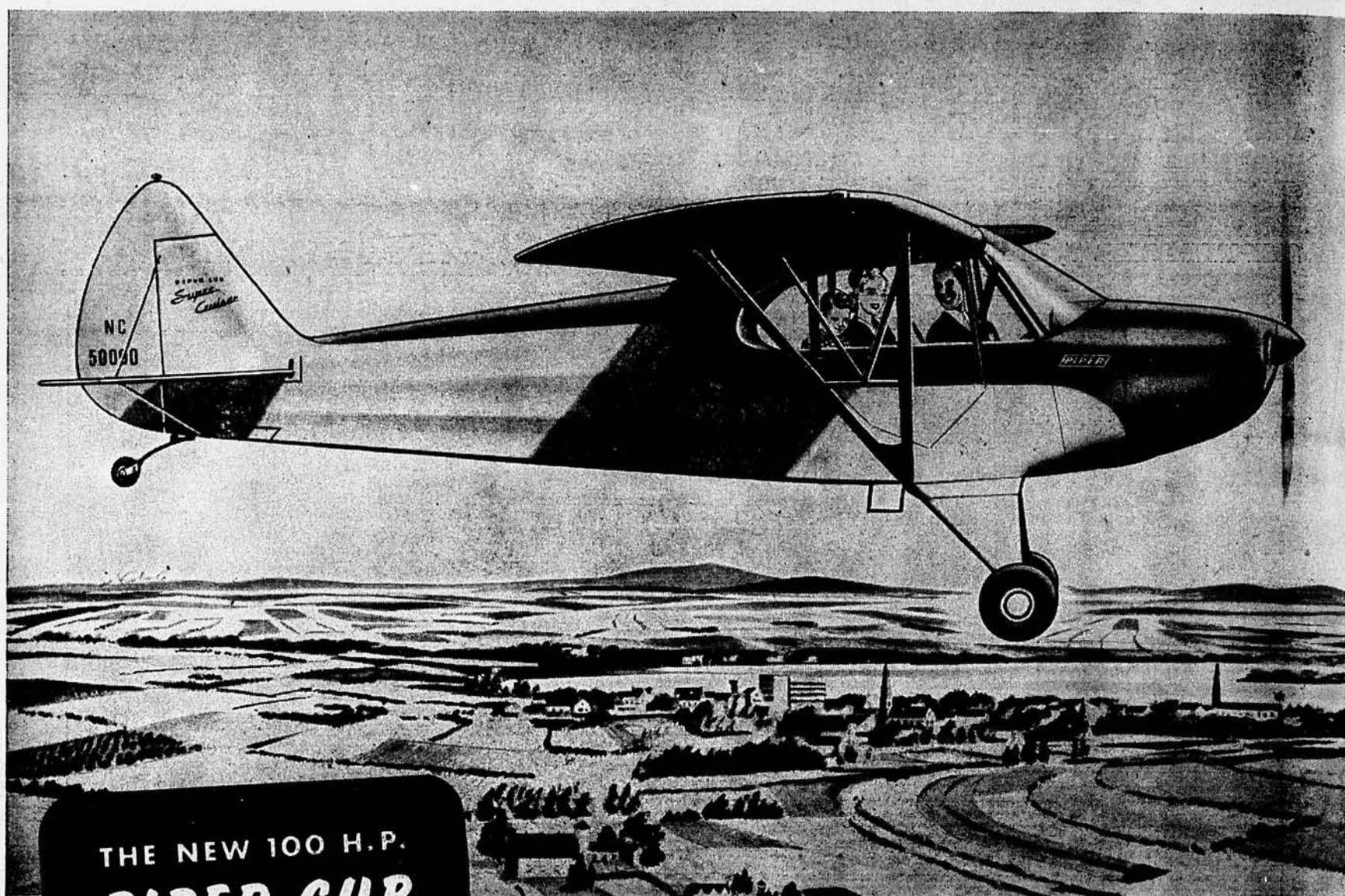
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KANSAS FARMER

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SEPTEMBER 7, 1946





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LOW
First
COST

By PAT BEAIRD

Dehydration of alfalfa opens rich new opportunities to mid-western farmers, cooperatives and grain elevators. Field curing loses over 30% of the protein in alfalfa, mow curing steals 21%. Dehydration will stop that waste, will convert high-protein grasses and forage crops into valuable stockfeed ingredients.

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Please send me your free booklet on dehydration. I understand this request does not obligate me in any way.

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LOW
Operating
COST

Let's Look at Holland

Eighth Article on Europe Today, Giving Plain Facts

By JOHN STROHM

THE HAGUE, NETHERLANDS—As I got my first glimpse of Holland from a plane the green fields seemed to be floating in water. A network of canals crisscrosses the country like yard markers on a football field. And it looks as if one more foot of water, or one big wave slopping over the dike, would drown the whole country.

No wonder this land of wooden shoes and windmills, cows and flowers, is called one of "The Low Countries." For centuries the Dutch have been waging a war to expand their borders. It has been a war against the sea, and man-made dikes have reclaimed one fourth of the total farm land. They have transformed this tiny nation, a fifth the size of Wisconsin, into one of the most highly specialized dairy-gardens in the world.

The average Dutch farmer is a mighty good farmer—he just can't be otherwise. For example: You can't breed your livestock to a runt boar or a scrub bull—only sires which pass rigid tests are licensed for breeding. You can't just drop over to the neighbors and get a peck of potatoes to finish your planting—only certified seed may be sold.

The Dutch didn't go to all of that work of reclaiming land to see it wasted on inferior seed. And that's why there is uniform high production of both crops and livestock in The Netherlands which should make us all sit up and take notice.

Their wheat averages 46 bushels to the acre—more than 3 times our national average. I was on several farms where they frequently get 75 to 80 bushels an acre. Other national yields: Barley, 57 bushels; oats, 66 bushels; and potatoes, a whopping 3,000 bushels to the acre. Before the war all of their cows gave an average of 7,700



The Dutch farmers have fine Friesian cattle—bulls must pass rigid tests before they can be used for breeding.

pounds of milk a year. No, they don't have any place for scrubs in The Netherlands.

Take seed, for instance: I was on one place where the farmer was growing wheat for seed. He has to have a license from the government before he can produce seed for sale. A government inspector drops in to inspect the growing field (3 times in the 6 weeks before harvest), looks it over for disease, for weeds, and for purity of strain.

"You can't tell how good seed is by looking at it in the sack," one of the inspectors observed. So the government inspects and certifies all wheat, barley, potatoes, peas and flax seed grown for sale. Thus, the farmer gets the best.

This particular farmer had used hormone spray to hold the apples on the trees an additional 2 weeks, was using DDT, and said the first thing he did after liberation was to write for all the farm papers in America so he could catch up with new farm developments.

The Dutch are just as careful with their livestock sires. Before a bull can be put into service he must be from a mother registered in the herd book or local breeding society, and who has reached a certain production standard. In 6 of the 11 provinces, bulls must also pass a sort of oral exam before a critical committee of farmers and breeders.

Rigid standards also apply to boars, and all eggs delivered to hatcheries must be from accredited flocks.

"How did you get farmers to adopt such high standards?" I asked S. L.

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Louwys, one of the world's foremost agricultural authorities.

"Thru a broad educational system—every farmer under 40 has had some agricultural training in schools," he replied. "In 1890, when American exports threatened our markets, we had to make a decision: Should we raise tariff barriers to protect our agriculture, or should we educate our farmers to lower their cost of production. We chose the latter method."

Louwys suggested, with a twinkle in his eye, that Americans are "100 per cent for unrestricted competition—in a restricted market."

How would you like to pay \$500 an acre for pasture land? Well, the average Dutchman in North Holland or Friesland wouldn't sell for that. He claims to have the best pasture land in the world. And, after showing me fields which have been in pasture for 100 years without reseeding, which carry as many as 3 cows on 5 acres



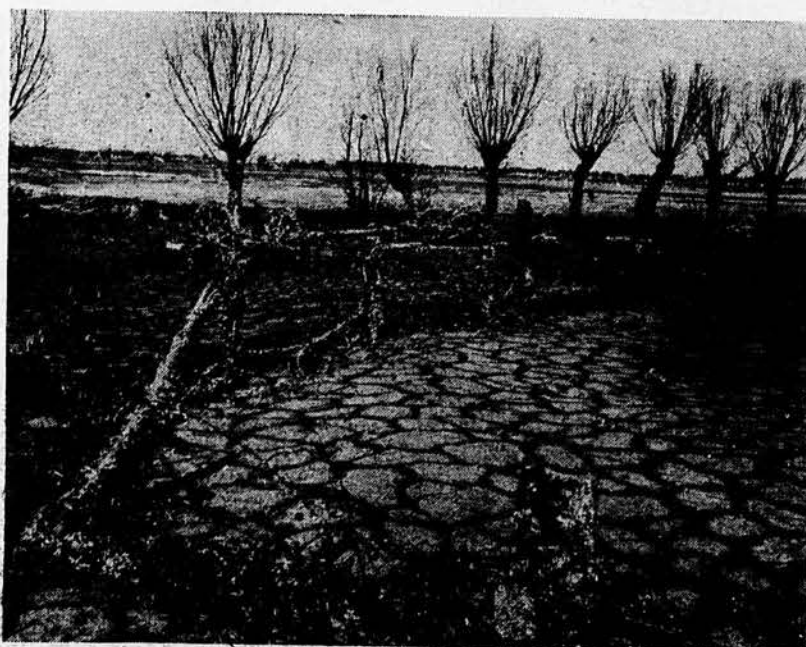
This is typical Dutch costume in the southern part of Holland, and the wooden shoes are standard equipment on the land all over the country.

from May thru October, and supply enough hay to carry the cows thru the winter—well, they've about got me convinced.

These dairy farmers have just about every square foot in permanent pasture. One apologized that during the war he had to grow some grain for bread. "But next year, all of my land will be in pasture again."

While black and white Friesians are the favorite breed (70 per cent of total), a fifth of the cattle are red and white. Dutch Belted cows?

"A rich man's hobby?" says the government's livestock head. "There are only 2 or 3 herds in the country today because too much production is lost to



When the dikes of Holland were bombed, the salt water quickly laid waste the land. It will take years to bring the land back to productivity.—Photos by John Strohm.

keep the white 'belt.' We insist that a cow's most important job in The Netherlands is to give milk—lots of it and with high butterfat content." (As a result of this emphasis, the Dutch exhibit at local fairs and livestock shows more for honor than for money.)

A visit to the beautiful red brick home of the Dutch dairy farmer, with its high-peaked roof covered with thatch, would be a series of surprises for the American homemaker. You open the door and find yourself, not in the front room, but in the cow stable. And since it's summertime and the cows are on pasture, the cow stable is



It's easier to carry milk this way, the Dutch farm boy says.

slicked up as spotless as one of those modern bathrooms pictured in the ads. They have white sea shells in the stables, picture-china plates on the stable walls, rugs on the floor, and geraniums and curtains at the windows. And at the back of the stalls are cupboards in the wall where the cowhands sleep.

You wonder about the attic, under the high roof, and find out it's the haymow. The living quarters? They're on the first floor to the side of the stable and under the haymow.

But never say the Dutch live in a barn—rather the Dutch cows live in a house. For in my visit to several average Dutch farm homes, I saw such things as pianos, radios, gas stoves, sewing machines, oil paintings, electric vacuum cleaners, running water—well, all of the things that the woman's editor of this paper says you homemakers have a right to ask of your husband. More than 95 per cent of the Dutch farm homes, for example, have electricity.

As in Denmark, the Dutch dairy farmer has built up a high standard of living on a small acreage.

But also like Denmark, there's trouble now with the feed supply. They, too, import large amounts of oil cake and cereals—a million tons of cereals for feed and a half million tons of oil cake. Because dairy farmers can't get oil cake, their milk production has dropped from 7,700 to 6,380 pounds per cow.

"For every pound of oil cake we're allowed to buy, we can produce 3 ad-



Cheese? The Dutch farmers make some of the best.

ditional pounds of milk," points out S. L. Mansholt, Minister of Agriculture.

They're not wasting bread grains on hogs and poultry. The government limits the number of chicks a farmer may buy, the number of sows he may keep. (But they can't quite understand why German farmers, under Allied Military government, are allowed to build up their livestock at a time when many small Dutch farmers, who kept 75 hogs, 300 chickens and a couple of cows, are forced out of business.)

The Dutch have only 75 per cent of their prewar cattle numbers, 55 per cent of the hogs, and 10 per cent of the poultry they kept before the war. And their land has taken a beating, too—nearly 12 per cent of their cultivated land was either flooded, made useless by minefields, or taken up with fortifications. (The Nazis were jittery that the Allies were going to make

Word From Moscow

Along comes a letter from our traveling reporter, John Strohm, who says: Yep, here I am in the shadow of the Kremlin, and from where I sit I can see the Red Star of the Soviet Union—red with rubies they tell me—as it stands above the Kremlin.

Have talked with the great scientist Lysenko; will see the discoverer of perennial wheat soon. Am finding living pretty steep. Eggs are 90 cents apiece, and a ham sandwich costs more than a 10-year subscription to Kansas Farmer.

Plan to see collective farms and other agricultural work. Don't expect Soviet article too soon, as I want to see all I possibly can, or until I no longer can afford ham sandwiches. Will keep you posted.—Tovarich Strohm, Moscow, USSR.

the European invasion thru Holland.)

One minute I was riding thru a lushly rich garden of alfalfa, sugar beets and potatoes, with windmills turning and farmers clog-clogging by in wooden shoes, wearing the picturesque costumes of Zeeland. Then we crossed the dike and came into a dead world.

The trees, the bushes were dead. Brick homes had disintegrated. As far as the eye could reach, the fields were dirty and desolated by salt water and torn up by tides which raced across the land twice daily. This was Walcheren Island, flooded in late 1944 when RAF bombers broke open the dikes as the Allies made a desperate bid to end the war.

Land flooded with salt water totaled 193,000 acres. Fresh water flooding took another whopping 353,000 acres—much of it malicious work of Nazis intent more on destruction than waging war.

Land flooded by fresh water was quickly put back into production, and will produce a fair crop this year. Much of the land flooded with salt water will also produce some crops this year, but salt water has an effect on the soils that won't be overcome for 5 or 6 years.

Because of war damage and lack of fertilizers, over-all food production in Holland probably will be only 70 per cent of prewar this year. Wheat will be down 20 per cent, oats will yield 25 per cent less, and rye 30 per cent less

(Continued on Page 32)

Farm Matters

AS I SEE THEM

I WAS disappointed that the Decontrol Board placed livestock and meats back under control of the OPA. But the pressure from the CIO, Consumers Leagues, and the Leftist groups that want as many Government controls continued as long as possible, apparently was too strong for the Administration to withstand.

I note, also, that the food subsidies are to be put into effect again on cattle and beef. That means another period of Government deception of consumers. These subsidies average about 5 cents a pound on beef. It means that the consumer sees an OPA price ceiling on cuts of beef, and believes that is the correct price statement. Actually, even the OPA holds that the proper price is about 5 cents a pound more than the listed price—the Federal Treasury is paying that much of the meat bill. And, of course, the longer these subsidies are retained, the more difficult it will be to get consumers to accept the idea of paying their own grocery bills, without relying upon Uncle Sam paying part of the grocery bill for each family.

I note, also, that Paul Porter, now head of the Office of Price Administration, is suggesting that milk and dairy products be returned to price controls, with subsidies as during the war. The CIO is demanding that controls be returned on milk as well as on meats. I hope the Decontrol Board stands firm in its decision not to restore ceilings and subsidies on milk. The sooner the people of the country get used to paying their own grocery bills; the sooner the prices are such as to encourage production thru allowing the opportunity for legitimate profits, the better for the country.

I realize that the Administration wants to appease the city consumers, the CIO, and other labor groups, and wants to continue to get Leftist support. And to appease these groups it was felt necessary to hold down food prices even below the production costs, at least until after the November election. And considerable pressure from the White House must have been put upon Secretary of Agriculture Clinton P. Anderson to get him to restore meat and livestock price controls. He knows, as everyone else familiar with conditions knows, that the price controls on meat were a most dismal failure under the old OPA; there is little reason to believe they will be more successful under the revived OPA act.

I am afraid that in the long run it is the consumers themselves who may suffer most from the retention of meat price controls. Unless grain and other feed prices drop considerably in the very near future, the Corn Belt feed lots are not going to be filled; that means tons and tons of meat will not be hung on the frames of cattle and hogs by feeding to maximum weights; this in turn will mean a meat shortage by the first of the year, very likely sooner.

I understand one theory of the Administration is that record wheat and corn crops will lower grain prices even below present ceiling prices on grains, especially if the number of animals to be grain-fed is reduced. And that in time this will stimulate production of beef and pork again. If that is correct, then it indicates that the Administration is working along the line of reducing the prices of things the farmer has to sell, while the OPA is busy increasing price ceilings on things the farmer has to buy. I do not approve that policy.

Because I don't wish to be misunderstood in the matter, I am taking this opportunity of informing you that I was opposed to the action of both the Republican and the Democratic party councils in

Topeka last week, in recommending resubmission of the Prohibitory Amendment to the Kansas Constitution. I voted against the resubmission plank in the Republican party platform, altho it was modified so no member or candidate on the Republican ticket is bound himself to support the resubmission, and repeal, of the Prohibitory amendment.

I don't want the saloon to return to Kansas, even under the guise of a state-owned and state-operated "package liquor dispensary." Putting a political appointee in charge of liquor sales will not make the liquor business much more healthy for Kansas and Kansans, in my judgment.

I am a "dry" and expect to remain a dry the rest of my life. I have yet to know a person, or a family, or a community where the liquor habit resulted in more happiness than unhappiness. I have known case after case where the liquor habit caused unhappiness, distress, poverty, and even crime. The saloon is the enemy, not the friend, of the family. Putting the Government into the liquor business will not change the liquor business, but it is likely to change the Government—and that change will not be for the better.

Schools Need Attention

I KNOW Kansas farm folks are giving a great deal of thought to the rural school situation. It needs your best attention. I feel the very best education is none too good for our farm boys and girls. The kind of educational background we give them, to a large extent, will determine their progress, their usefulness to their community, and their general well-being and happiness.

Also, the educational advantages our farm boys and girls have will determine, to a great extent, the progress and well-being of our entire country. The community in which you live, your state, your nation, all will benefit from a well-educated rural youth.

The importance of our rural youth in the national picture never can be overemphasized. Plain, old-fashioned arithmetic proves this. In the whole U. S., more than half of the children of school age—5 to 17 years old—live in rural areas. Of the children enrolled in school 46.4 per cent are in rural schools. More than half of the elementary and secondary schoolteachers work in rural schools. About 86 per cent of the nation's school buildings are in rural school systems.

In Kansas, about half of our 17,000 teachers are in rural schools. Nearly 50 per cent of the children of school age are in rural districts. According to the census for the school year 1944-45, including ages from 5 to 21 years, 112,323 pupils were in one-teacher schools. That is about 25 per cent for the whole state.

I give these figures simply to show that on the basis of numbers alone, farm children deserve the best attention in regard to their schooling.

Now, I insist that agriculture is the backbone of our nation. It is our biggest and most important business. Therefore, I contend that men and women who operate it should be the best equipped mentally. The job of being a successful farmer has been growing more complex thru the years. Today a farmer has to be an expert in everything from soil conditioning to marketing.

It requires intelligent judgment to maintain pro-

ductive soil, grow crops that will do the farm and the income the most good, raise livestock that will add pounds efficiently. It requires a solid background of education to meet the challenges of farm production today. And it is going to take the best judgment and knowledge in the future to

maintain a favorable farm income. That future is almost here now. We are not too far away from strong competition and overproduction.

I could name a good many former farm boys and girls who have made good in a big way in many lines of industry. Evidence that our rural schools in the past haven't failed; evidence, also, that farm boys and girls have what it takes to reach the top any place.

However, I believe you will agree with me that there are several perplexing questions to answer. The current teacher shortage for one. Earlier figures indicated there might be a shortage of 1,629 teachers this school year in rural and small town districts. That is in Kansas alone. This might have meant a good many farm boys and girls couldn't go to school this year. But fortunately that isn't likely. Some kind of arrangements are being made to take care of all rural students.

Here is an interesting fact. Virtually every child of school age in Kansas is enrolled in school. Over the nation, however, there are 3½ million children of school age in rural communities who are not enrolled in school. This state has a compulsory school attendance law, which is self-enforcing. Everyone of school age goes to school.

This serious teacher shortage in rural areas can be accounted for on a dollar basis. Jobs elsewhere pay better. Before the war, teachers in some rural districts averaged \$7.10 a week on a 12-months basis; others in another group averaged \$13. Pay in rural schools increased during the war years, of course. But wages have gone up proportionately other places, too. Perhaps your district is paying the teacher all it can afford. But I say that money invested in education along the right lines is the best investment we can make.

School equipment and buildings in rural areas do need attention. Altho 86 per cent of the nation's school buildings are in rural school systems, they don't offer the inducements to teachers, or the advantages to students, that city schools offer. Small rural districts cannot afford elaborate equipment; but perhaps they can improve. Consolidation is another answer. Kansas will see how this works out in the next few years.

Rural schools, by the way, have been losing pupils at the rate of 3,500 a year in Kansas. This has been going on for 30 years or more. A good deal of it is due to whole families moving to locations where their children will have better school facilities. Also, to the fact farms have grown larger, crowding out too many family-size farms.

Exactly how to provide better schools and equipment for rural children needs a lot of study. And how to make our whole school curriculum more practical should get close attention. Our boys and girls must be educated to meet a modern, changing world. We must help them all we can in understanding a confusing world. And remember always that good schools and good farming go together.

Arthur Capper

Topeka, Kan.

Prices Got Away From the Government

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—One of the hard-to-answer questions last week was why the Decontrol Board put meats back under control, while leaving milk uncontrolled. The answer is largely political.

The reason announced by the Decontrol Board is that retail milk prices, when control went off by act of the President in vetoing the OPA extension bill June 29, went up on the whole only the amount of the subsidy, running about 2 cents a quart; while meat

prices went "unreasonably high"—in many places 20 to 25 cents a pound, or even more on some cuts.

The outcry from the consumers was more vociferous over increased meat prices than over increases in the price of milk. There probably is not enough subsidy money readily available to

carry on both the milk and the meat subsidies, so meat won—or lost, depending upon your viewpoint.

There is an election coming on in November, and the Administration feels an obligation to hold down food prices as much as possible, at least until after the election.

But the Administration's dilemma soon after the election will be to continue to hold down food prices, under the threat of strikes to get wage increases equivalent to, or even larger than, the increases in prices.

The situation got away from the Government last winter when it adopted the policy of increasing basic wage rates so that—in the major and well-organized industries at least—the "take home" pay of workers would be equal

(Continued on Page 33)



A junior sheep-shearing contest for entrants under 21 years old will be added this year at the Kansas State Fair, Hutchinson. Last year's senior champion will be back to defend his title in that event against all comers.

MORE than \$43,000 in cash prizes are being offered to exhibitors this year at the Kansas State Fair, Hutchinson, September 15 to 20. Both attendance and exhibits are expected to reach an all-time high, states Sam Mitchell executive secretary.

An attendance of 300,000, or about 50,000 persons a day, is indicated by reports from fieldmen now touring the state in the interests of the fair.

Largest premiums are offered in the cattle department, where a total of \$17,000 is listed in prize money. Other leading department awards include \$6,000 for swine, \$5,000 for agricultural exhibits, and \$5,212 for boys' and girls' 4-H Club exhibits.

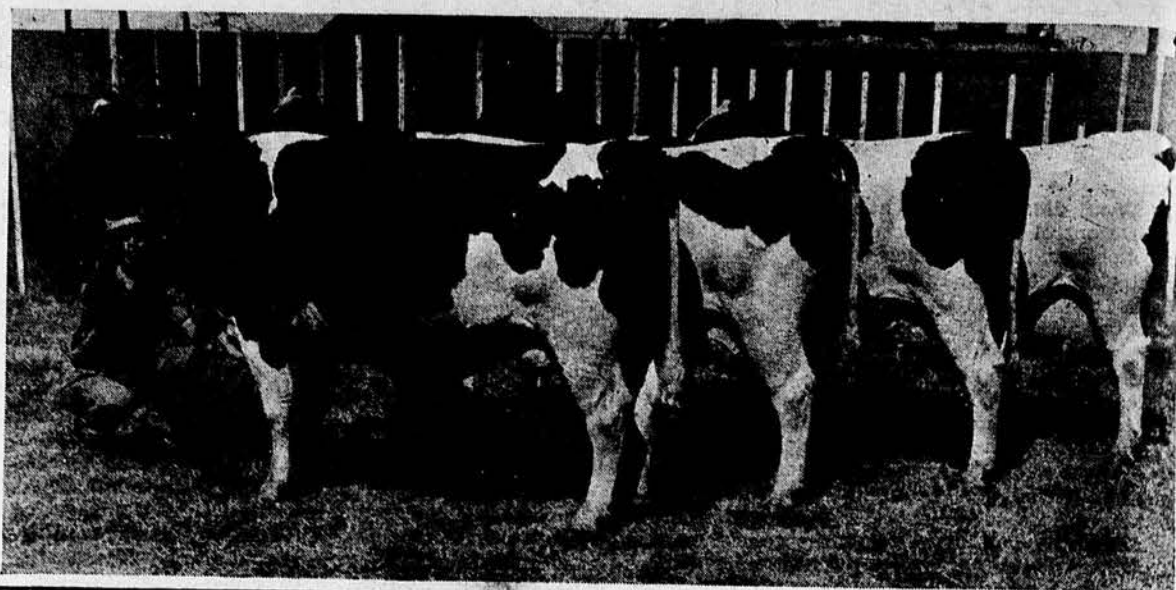
At least one out-of-state herd is expected in the Brown Swiss class, and possibly more than that in some of the other breeds. The Milking Shorthorn breeders have made up a fund among themselves to be used in giving special awards to 4-H Club members. They are adding a considerable sum to the champion 4-H Club division in the Milking Shorthorn class.

Premium lists in the swine and sheep departments are planned to encourage new exhibitors of small herds and flocks. There are as many as 12 money prizes in some sheep classes, and 11 in some swine classes. In addition, there will be more money awarded on a percentage basis for Kansas exhibitors who place in the ribbon classes.

A new feature in the swine department will be a class for the O. I. C. breed of hogs. This year will mark the first showing of O. I. C. hogs for many years. Breeders are said to be enthusiastic and promise a large entry list in the class.

The sheep-shearing contests will be enlivened this year by addition of a junior class for contestants under 21 years old. Contests for both juniors and adults will be held daily with the winners being chosen on Friday. Francis Winter, Mt. Hope, 1945 adult champion, will be back to defend his title in this event.

With interest in 4-H Club county fairs reaching a new high during the summer, 800 boys and girls



Superintendents of the dairy division at both Hutchinson and Topeka fairs predict all-time high numbers of cattle will be exhibited, with several out-of-state herds expected.

FAIRS

Are Back in Stride

By DICK MANN

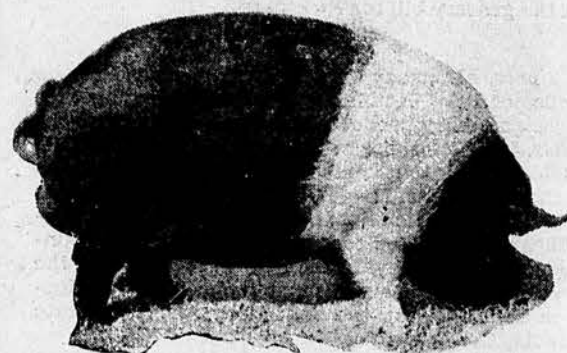


Grooming those sleek cattle for the big fairs is a thrill to any good livestock man. Here, exhibitors are showing their skill in the ring as judges ponder.

are expected to attend the annual encampment of 4-H Clubs at Hutchinson to make it the most outstanding one in 5 years.

Big plans had been made for the poultry department but this part of the fair has been canceled. Following a proclamation by Governor Andrew Schoepel, all poultry shows in the state have been called off to prevent the spread of Newcastle disease. Other states also are calling off their poultry shows this year.

Some changes have been announced in the



Swine and sheep departments at Hutchinson are planned to encourage new exhibitors of small herds and flocks. O. I. C. breeders will have a class.

agronomy department. Until this year the wheat show has featured prizes for the best bushel of hard wheat and the best bushel of soft wheat. Under the new plan, wheat exhibits will be divided into variety groups with prizes being awarded within each variety group, plus a sweepstakes award for the best exhibit among all varieties.

Variety exhibits will include the Tenmarq group, Turkey group, Early Blackhull group, Chiefkan-Red Chief group, and soft wheat group.

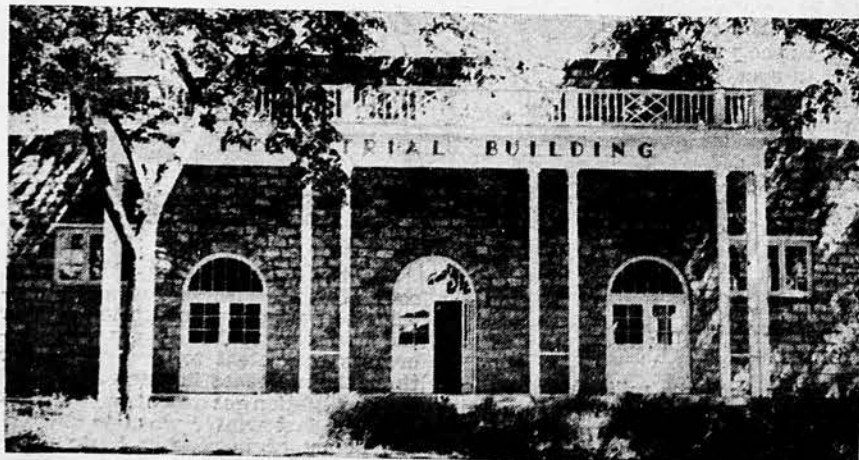
Hybrid seed corn growers also will have a new class this year. The class is open to growers who produced hybrid seed corn in 1946. Each entry must be a single-cross parent and can be either the male or female parent taken from a crossing field.

All growers producing Kansas certified hybrid seed are eligible. Non-certified producers of hybrid seed in Kansas also are eligible if entries are accompanied by verification from the county extension agent where the corn was grown. Pedigrees of each entry must be given.

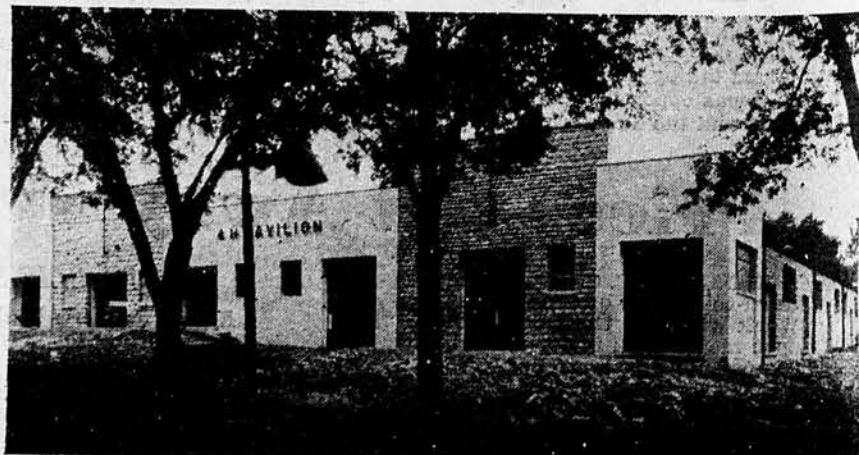
Entries will be judged for apparent value as seed, based on physical characteristics. Awards will be made for 100 ears, yellow variety; 100 ears, white variety; 10 ears, any yellow hybrid; 10 ears, any white variety; single ear, yellow hybrid; and single ear, white hybrid.

Sorghum classes have been brought up-to-date, but no special awards are announced.

New and revolutionary [Continued on Page 34]



The Kansas Industrial Development Commission will give us a peek at all the new Kansas-made products in this new Industrial Building at the Kansas Free Fair, Topeka.



The new 4-H Club pavilion at Topeka triples the size of the old 4-H baby beef barn, and means an expanded 4-H Club program for the big Free Fair this year, says Maurice Jencks.



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- ★ SIMPLE
- ★ STREAMLINED VISION

Because it's UNDER-MOUNTED

Compactly designed to fit beneath the tractor, the Corn Harvester has no dangerous moving parts within reach of the driver's seat.

Driver sits in the clear with unobstructed vision.

Gathering snouts are low and streamlined to slide under low-hanging ears.

With no special wrenches or hoists of any kind, this 2-Row Corn Harvester can be mounted on your WC tractor in a half hour or less... before the morning dampness dries from the husks.

Simply back the tractor over the husking mechanism. Fold up the built-in screw jacks. Attach the blower fans and streamlined gathering snouts and you're ready to go.

It's a simpler husker, with about one-fourth the usual grease fittings. That alone saves hours of service time and effort, giving you more time in the field. Eliminating needless heavy iron means no heavy lifting for you and a lighter load on your tractor. You can work in softer fields where heavier huskers mire down.

This Corn Harvester proves that a two-ton machine is not necessary to husk an ear of corn weighing less than a pound. It's the husker every family farm has looked forward to—a machine worth waiting for.



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Why Prize Chickens Must Stay at Home

POULTRY will be conspicuous because of its absence at the state fairs in Kansas this year. Governor Andrew F. Schoepel banned the exhibition of poultry and other domestic birds to prevent the spread of Newcastle disease. The disease is taking a heavy toll in many Eastern and Northern states.

Newcastle is a highly contagious respiratory disease. It is caused by a virus and may appear in either the mild or severe form. In the severe form egg production may be completely stopped in many cases and the death loss may be 80 per cent or even considerably more.

The disease is accompanied with a thick mucous in the air passages and mouth and with nervous symptoms. The identification of respiratory infections is a laboratory procedure.

To prevent introduction of infection into Kansas poultry flocks, Kansas State College Extension service recommends: Avoid the addition of any new birds to the flock for the present. Used poultry crates should be thoroughly disinfected before using again. Do not

enter flocks in poultry shows and exhibitions.

If a poultry owner suspects the presence of Newcastle disease in his flock, he should attempt to obtain an accurate diagnosis by first consulting the local veterinarian. Birds which show typical symptoms of difficult breathing followed by leg weakness or paralysis should be taken to the Department of Bacteriology at Kansas State College, Manhattan, for examination. It is emphasized that infected birds should not be shipped or mailed.

Newcastle disease was first discovered in England about 2 decades ago. It spread to other European and Asiatic countries. In the United States, it was encountered on the West coast about 1935. It was recognized in the Eastern states in 1944 and now has been identified in 22 or more states.

As yet, little is known about the mode of transmission of this disease. Some think it possible that birds which recover are carriers. Until definite cures or preventives are available, reasonable courses of sanitation and prevention seem the best recommendation.

Beat Housing Shortage With School Buildings

FIRE took the George Allen home in Kingman county last February. His new home will be a remodeled country school building. Mr. Allen excavated a complete basement and built a foundation with concrete blocks for his new home.

In the vicinity of Norwich alone, 4 school buildings were purchased for homes. For the most part, these old buildings are selling between \$700 and \$1,200.

Shortages of both materials and labor make this type of home building difficult, too. Early in August Mr. Allen was nearly ready to move into the basement. Completion of the home would have to wait until both help and

supplies could be obtained, he said.

Mr. Allen's plans call for a modern residence. It will have a water system and electric lights when finished. The advancement he had made on his water system was significant of the times. He was able to find a lead-in pipe when building the foundation. But that was all the pipe he had found by late summer.

The design of most school buildings makes it difficult to convert them to homes. But Mr. Allen thinks it is better not to tear them down for lumber.

Years ago few considered the possibility that these schools some day would be homes. But it is one way to beat the housing shortage.

Sweet Clover Pays Its Way

EDWIN JORDAN, Mitchell county, says if there is anything he can do in the way of soil improvement he will give it a try. But he wants that soil-improvement program to pay its way. His sweet clover is doing the job.

In July, 1944, Mr. Jordan plowed under 32 acres that had been in sweet clover 2 years. Sowed to wheat it produced 23 bushels to the acre. Land next to it that had been in a rotation of nonsoil-building crops made 7 bushels. Another 6-acre field that had been in sweet clover 2 years before, made 34 bushels in 1945.

As pasture for his Polled Hereford herd, his sweet clover is an asset. It provides a lot of low-cost feed for his

cattle. But it takes good management to pasture the crop right, he says. He prefers to use sweet clover pasture along with native pasture. In this way he is able to reduce the danger of bloating.

Mr. Jordan has found that sorgo ground makes an ideal seedbed for sweet clover. He also has good luck sowing it into stubble ground in the spring. Usually he mixes the seed with oats or barley. He uses just enough to mix the seed handily. The barley or oats provides a nurse crop for the clover and good pasture for his cattle.

This year his barley made 17 bushels to the acre and he still has a good stand of sweet clover coming along.

Even Stops the Tourists

PEOPLE thought I was crazy when I built it," says Albert Vohs, Sherman county farmer, in referring to his beautiful farm home on Highway 24 between Colby and Goodland. It was constructed 4 years ago and is so attractive many tourists stop to see it.

"I made my money here and plan to spend it here," says Mr. Vohs. His home contains every convenience you could find in any city home, plus the

most storage space you ever have seen. Painted white with a blue roof, the home is set off by a white picket fence around the yard. A beautiful bluegrass lawn, comparable to any in the eastern part of the state, completes the picture.

Mr. Vohs never stopped with modernizing his home. He has 3 tenant houses that are very attractive and modern.



Tourists on U. S. Highway 24 between Colby and Goodland, stop to stare at this beautiful scene on the prairies. It is the ultramodern farmstead of Mr. and Mrs. Albert Vohs, Sherman county.

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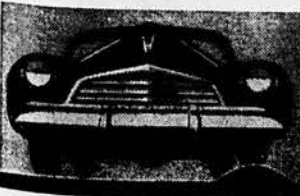
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Conventional ply construction—not suitable for small pulleys on combine cylinder

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FLEXIBILITY—Cushioned in the soft rubber which makes up the carcass of this new belt are 2 endless cotton cables like the ones you see in the cross section at left, and in the phantom drawing at top. They make the B. F. Goodrich grommet V belt the most flexible belt on the market. They double the life of the belt. No stiff plies. No chance for ply separation.

TOUGHNESS—naturally the B. F. Goodrich grommet V belt is tough, with those 2 endless cables providing strength that can't be had by building up layers of plies that may separate and rub themselves to death. The soft rubber of the B. F. Goodrich grommet V belt will give enough to absorb the shock of the heaviest slugging. But the rugged grommets will pull the cylinder through.

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FIRST IN RUBBER

The Rain Belongs to Him So He Tries to Keep It

ALL the water that falls on my land is mine, so I try to keep it." That is the way Earl DeLong, Lyon county, feels about terracing and contour farming. The Kansas Bankers' Association approves of his program. He was selected this year as one of Lyon county's outstanding soil-conserving farmers.

In the last 6 years, evidence has accumulated on his farm to prove that his style of farming pays. He first worked his ground on the contour in 1939. It was a dry summer, but he noticed moisture accumulations in places where it never had appeared before under similar conditions. He then realized that terraces would be valuable. The following year he built his first terrace and now has a complete water management system.

On a slope south of his farmstead, Mr. DeLong has built 2 ponds. The water is used for stock and for garden irrigation. It is pumped from the ponds thru a soft brick filter.

On his 400 acres of upland soil, Mr. DeLong has about 104 acres under cultivation. He uses alfalfa in his rotation of corn and small grains. Altho his soil has been built up with alfalfa to the point where it will produce a good wheat yield, he still uses phosphate. "It seems to strengthen the straw and hold the wheat up," Mr. DeLong says. On upland soil, his wheat yields have been up to 35 bushels to the acre because of his rotation and water management practices.

Mr. DeLong is president of the Lyon County Farm Bureau and a leader of the soil conservation district there. He believes 90 per cent of the farms in Lyon county need terraces to do the job right.

Holding the soil in place with terraces and contour farming, Mr. DeLong says, "I feel justified when planting that my crop won't be washed out at one end and be covered up at the other. Also, there is no running up and down hill for me."

Increases Gross Return With Certified Seed

ERNEST BOWERS, Clay county, has boosted the average gross return on his 580 acres of farm land by producing certified seed crops. Last year his 2 varieties of seed corn made him a return of more than \$100 an acre. His western blackhull accounted for a return of \$125 an acre. He did not certify the kafir last year. It brought 5 cents a pound, 2 cents less than certified seed.

This year again Mr. Bowers is raising K-2234 and K-1585 hybrid seed. He also is raising 2 inbred varieties of corn for the Kansas Hybrid Association this year. The final cross from

these varieties next year will produce K-1585 seed.

This is Mr. Bowers' sixth year in hybrid seed corn production. But he does not adhere to row crops. Out of 180 acres of Pawnee wheat this year, 150 acres were certified. It averaged 30 bushels to the acre.

His Pawnee wheat has been a money-maker, too. He obtained 20 bushels of certified seed from Kansas State College in 1944. With it he sowed 28 acres. He lost 4 acres from floodwaters. He still combined 820 bushels. After sowing 185 acres, he sold the remaining seed for \$2,000.

Killing Bindweed Will Increase Wheat Yield

IN 1938, Paul Regier, McPherson county, started to kill the bindweed on his farm. It had infested 100 of the 140 acres in cropland. He did so well at the job that last year he was able to sell 800 bushels of certified Pawnee seed wheat. And there could be no bindweed in that to get it certified.

This year he had 30 more acres of Pawnee available for certification. In addition he also had 18 acres of certified Osage oats and some Madrid sweet clover.

The bindweed has been completely eradicated from 80 of the 100 acres that once were infested. Each year he set out to kill 10 to 15 acres of the weed. He now is nearing the end of what once appeared to be a never-ending job.

"Be regular and particular." That has been Mr. Regier's motto the last few years while fighting bindweed. It was done by intensive cultivation. Each year a new strip of land was selected for eradication and by the next year he was able to move to the next strip.

The first step in his program of eradication is to cultivate the selected strip immediately after harvest with a wide-sweep duckfoot cultivator. The first year it must be cultivated regularly thruout the summer and fall. "Don't stop cultivating after the first frost," Mr. Regier warns. Some years he kept on cultivating as late as December. The next spring and summer the strip was cultivated still more and that fall he put in wheat. The wheat acted as a smother crop and at the same time gave him an income from the land.

If any of the weed shows up the following spring and summer it should be cultivated again immediately after harvest. After that you will find some seedling trouble, Mr. Regier says, but good farming will take care of that. Usually good cultivation after the first harvest will take care of seedlings.

Other precautions which he sounds are: "Don't let the weed go to seed or livestock will spread it," and "you had better stick strictly to small grains." You have little chance against seedlings that grow in a row crop.

Since ridding his ground of bind-

weed, Mr. Regier has seen a big change in his wheat yield. Ground freed from the weed has not produced less than 27 bushels to the acre and has been up to 37 bushels. He thinks 30 bushels would have been his minimum. The crop that made 27 bushels was damaged by a 25 per cent hail loss. At the same time, the ground not free of bindweed was averaging 17 to 19 bushels, with last year's yield coming up to 25.

A Big Oats Crop

Berlyn Baird, Cowley county, had an excellent crop of certified Neosho oats this year. He had 77 acres that produced 90 bushels to the acre. Neosho oats is recognized as a high producer. But a sweet clover background in his rotation played a part in this high yield.

Senator Capper on Radio

Every Sunday afternoon at 3:45 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breeze

Topeka, Kansas

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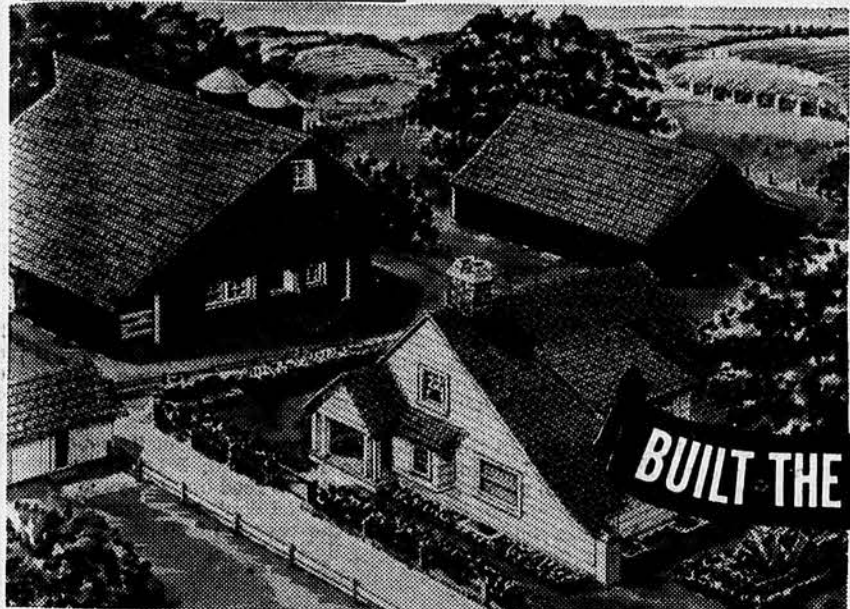
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- WASHINGTON—M. J. Holloway & Sons
- WATERVILLE—Soft Lumber & Coal Co.
- WATERVILLE—Jones Furniture Co.
- WELLINGTON—Hansen & Halliday Lumber Co.
- WICHITA—Long-Bell Lumber Co., 1st & St. Francis Sts.
- WILLIAMSBURG—Turrell Lumber Co.
- WINFIELD—Winfield Lumber Co.
- WOODBINE—M. C. Engle Hardware Co.
- WOODSTON—Marshall Auto Store

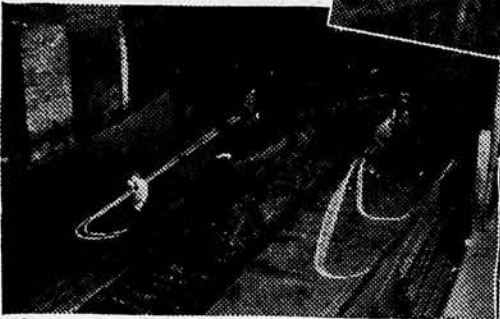


No. 2 of a Series Telling Why THERE'S NO BETTER FENCE MADE



White hot steel ingots are rolled into blooms.

In this continuous mill blooms are "kneaded" into billets.



Expert craftsmen guide bars through a circuit of rod mills.

Highly Skilled Craftsmen "Knead" Top Quality Into The Steel of Which Your SHEFFIELD Fence Is Made

Maybe you never bothered to ask the wife why she kneaded the bread or pie dough so thoroughly.

You wouldn't like her baking if she didn't do it, because kneading the dough does more than shape it into a loaf or pie crust. It also changes the texture of the dough, gives the bread that quality you like.

So it is with steel making. Even after the metallurgist and the melter have teamed up to produce an ingot of steel under close technological quality control, its physical properties are improved as it passes through many rolling operations.

A few of these rolling or "kneading" operations are shown in the photographs. First is a blooming mill which works the ingots into a bloom. Next is a continuous mill which reduces the bloom to 2-inch square billets. Between each set of rolls the rolled section is twisted 90° so that the steel is thoroughly worked or "kneaded". In this way the quality is continuously improved.

Note in the third picture how the glowing hot steel "snakes" its way around and through a circuit of rolls. Here the billet is changed into rods and the rods reduced to correct size for the wire-drawing machines which will be featured in the next advertisement telling why there is no better fence made than Sheffield.



Up to this point, quality has been worked into your Sheffield Fence while the steel is glowing hot. Each step is in reality a forging operation, different from that your blacksmith employs, but accomplishing the same purpose under much closer quality control.


The expert judgment of the craftsmen who roll Sheffield Steel is scientifically checked by metallurgists whose inspectors take frequent samples at the rolling mills for examination in the laboratory. At every stage Sheffield Steel must measure up to an extremely rigid set of Sheffield Fence making specifications. Quality is closely controlled all the way.

Although Sheffield Steel mills are making more fence than ever before, make your requirements known to your Sheffield dealer NOW so that he can arrange ahead to supply you.

SHEFFIELD STEEL CORPORATION

PLANTS
HOUSTON KANSAS CITY TULSA
District Sales Offices: Chicago, Ill.; St. Louis, Mo.; Des Moines, Ia.; Wichita, Kans.; Denver, Colo.; Oklahoma City, Okla.; Dallas, Tex.; San Antonio, Tex.; New Orleans, La.

SHEFFIELD STEEL

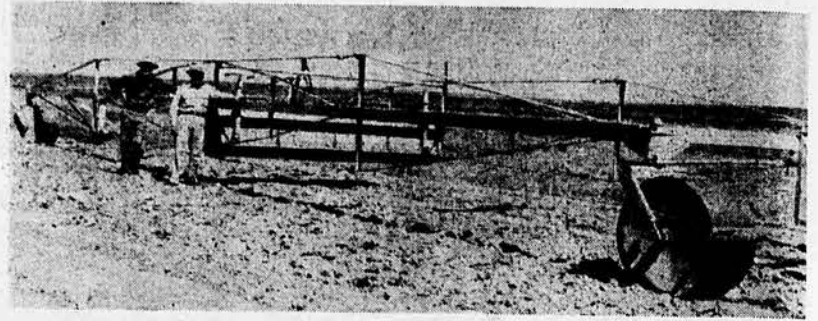


SHEFFIELD

STEEL PRODUCTS

Woven Wire Fencing Barbed Wire Smooth Wire
Fence Stays Bale Ties Nails Staples Tacks
Bolts Nuts Rivets Structural for Steel Buildings
Reinforcing Steel Sheets
Plates and other Steel Products

Had to "Fight" the Water Until Land Was Worked for Irrigation



Wayne Billings, left, and Carl Elling, Hodgeman county extension agent, inspect a 60-foot landplane being used on the Billings farm to level 200 acres for irrigated feed crops. This machine will level 40 to 50 acres a day.

IF YOU plan to do any irrigating it will pay big dividends to spend some time and money having the land properly prepared. That is the opinion of Wayne Billings, Hodgeman county farmer.

"You just can't get the job done right," warns Mr. Billings, "unless you get a competent engineer to run a topography map on your fields to be irrigated."

Mr. Billings has been irrigating for some time without benefit of topography maps. He found that he didn't get even distribution of water over his fields and spent all of his time "fighting" the water.

Irrigate Alfalfa and Sorghums

Now, he is planning to irrigate 200 acres of alfalfa and sorghum crops to insure a feed supply for his purebred herd of Herefords. He had the Soil Conservation Service make up topography maps for this acreage and is enthusiastic over the results. This is how he put it:

"The average irrigation well in this area costs around \$2,500 and leveling the land costs from \$15 to \$30 an acre. That is a big investment which can be largely wasted if not done right. A good topography map will cut the cost

of land preparation in half because you know what you are doing all the time. In my case, it will take only about half as long ditches to irrigate this acreage as it would have without the map, and I can be sure that I will use less water, get even distribution, and not drown out any crops."

Levels 40 Acres a Day

A 60-foot landplane that will level 40 to 50 acres a day is being used on the Billings and other Hodgeman county farms. It costs farmers \$15 an hour for the outfit, but the work accomplished is done better in less time and is well worth the cost, according to the way Mr. Billings figures it.

Incomes of \$300 to \$400 an acre from some of these irrigated fields are reported by some farmers, but these huge incomes are not the main reason for irrigating. Mr. Billings explains that he has about \$350 a head invested in his cattle herd. Two or three crop failures could wipe him out. Thru irrigation, he can always have a surplus of feed to carry him thru. "Any time I get too much feed, I can buy some plain cattle to feed out," says Mr. Billings. "But if I don't have any feed and am at the mercy of speculators they can really clean me out."

Set High Dairy Goal

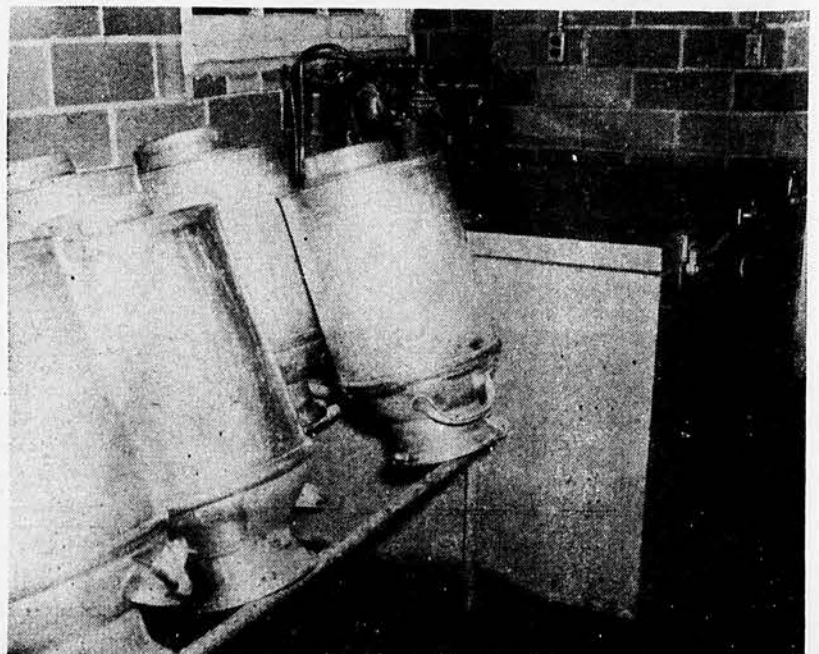
WITHOUT sacrificing type, E. A. Reed, of Rice county, is trying to breed his Holstein herd up to an average of 4 per cent butterfat. He believes in setting a high goal and constantly striving for it.

Instead of buying proved bulls, he is getting young bulls from the highest-testing cows obtainable and proving them in the herd. Two of the most promising young bulls recently acquired are Maytag Ormsby Fobes 14th, from Maytag Dairy Farms, Newton, Ia., and Brown's Markmaster Posch, Canadian bull of Rag Apple breeding.

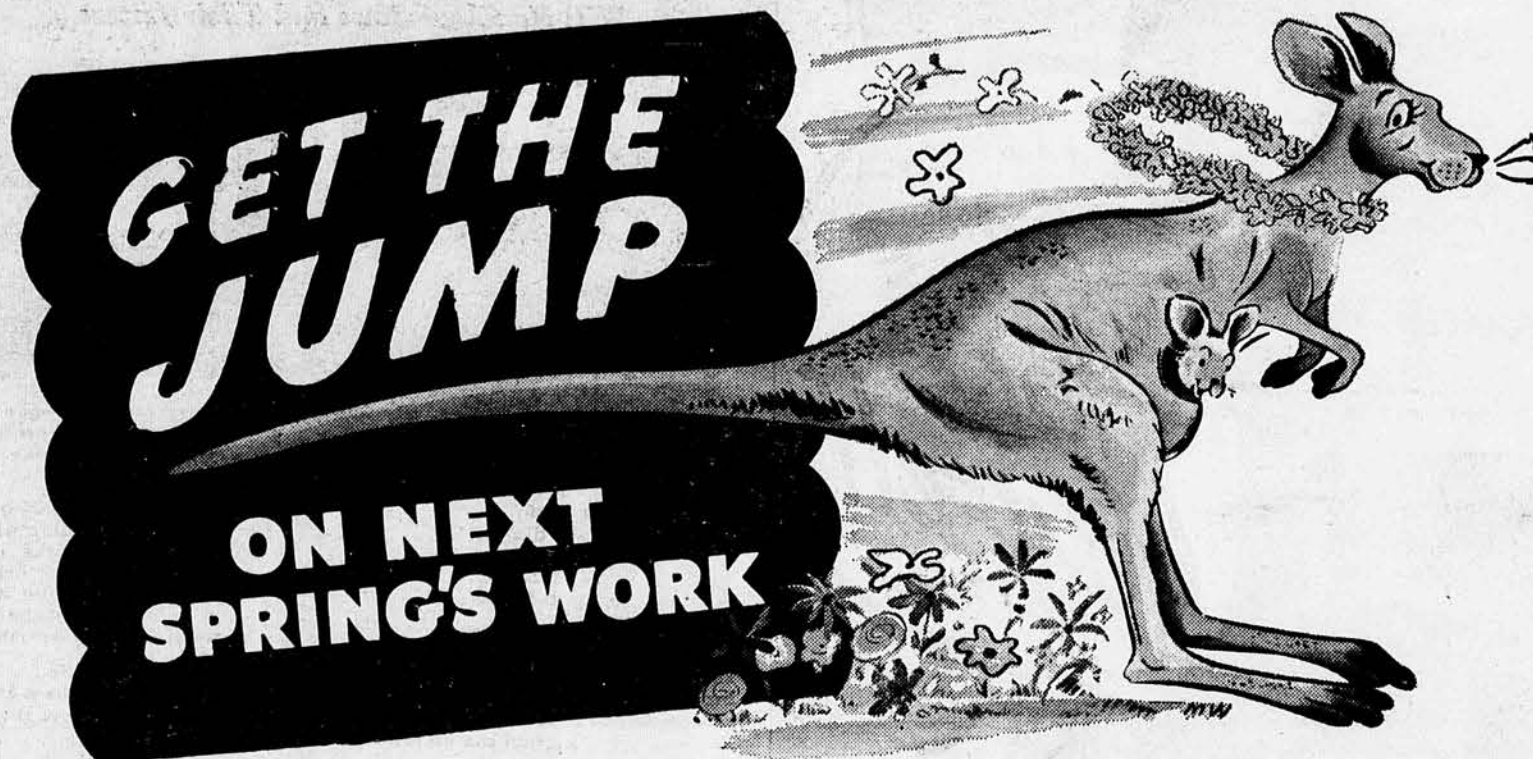
Maytag Ormsby Fobes 14th can boast that in 5 generations of his family the lowest testing dam had an average butterfat test of 4.1 per cent. Twenty cows in the herd are bred to this bull. The Reeds have 5 bulls and plan to get 10 heifers from each bull. Then they will bring back the best bull of the 5 as proved under their own farm conditions.

The Reeds are not sacrificing type. This is indicated by the fact they won 3 all-Kansas awards at the state Holstein show this spring, the only breeders to win more than one such award.

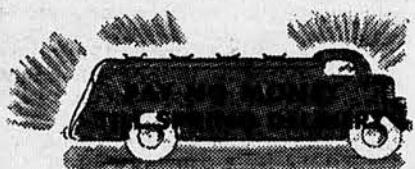
Best Kind of Rack



Cheapest and most sanitary rack for storing milk cans is a simple open metal rack, like this one, say dairy specialists at Kansas State College. Cans stored on solid shelves do not drain properly and pick up germs. Note milk cooler in background. Quick cooling of milk also is important in maintaining quality.



Order Now—All Your **SKELLY** Fortified **TAGOLENE** Motor Oils and Long-Life Greases for 1947!



You'll be smart to provide *now* for the busy spring and summer season ahead. So here's welcome news: today

you can order your *complete* 1947 supply of Skelly Fortified Tagolene Motor Oils and long-life greases from your Skelly tank station salesman or Skelly jobber!

You Benefit 3 Ways

First, by placing your order now, you get real price protection . . . if prices go up in the meantime, you still pay at today's price level!

Second, you don't have to pay now . . . you pay only when delivery is made next spring (or whenever you say)!

Third, you are assured of getting delivery *when* you want it . . . there's no waiting, no delays, no partially filled orders!


So Ask Your Skelly Tank Station Salesman or Skelly Jobber

Let him give you full details on this money, time, and trouble-saving Skelly 1947 Farm Reserve Offer. It's another Skelly service designed for you!

Equipment That's Skelly-Protected Stays on the Job for You!


Farm equipment protection will be just as much a "must" in 1947 as it is this year. Determine now to *keep* your farm machinery in first-class running order. Give your engines Skelly Fortified Tagolene Motor Oil, and Long-Life Greases for smooth operation and extra insurance against the wear and tear of friction. Give them new Skelly high-octane gasoline for pep and power. Remember—every Skelly product is a *guaranteed* quality product, backed by research, proved by use!

Lloyd Burlingham presents farm news and weekly winners of Skelly Agricultural Achievement Awards over NBC every Saturday at 7 A.M. (WMAQ, Chicago at 6:45). **Alex Dreier** is on the air with the first network news commentary of the day, Monday through Friday, same time, same stations.



GET YOUR FREE COPY

It's interesting, inspiring—a new 16-page booklet, just off the press. Gives names of more than 160 Skelly Agricultural Achievement Award Winners. Your copy **FREE**. Send requests to Lloyd Burlingham, Chairman, Committee of Awards, 333 North Michigan Ave., Chicago 11, Illinois.



Get SKELLY

and Get Going





why they're called
"Litentufs"



SO LIGHT . . . this famous Litentuf Boot actually weighs less—makes your work around the farm seem easier. Superior skill in rubber compounding makes it possible!

SO TOUGH . . . the wear will surprise you. For in spite of its lightness, Litentuf farm footwear is built to take a beating. Actual wear tests under severe farming conditions prove you get longer wear.



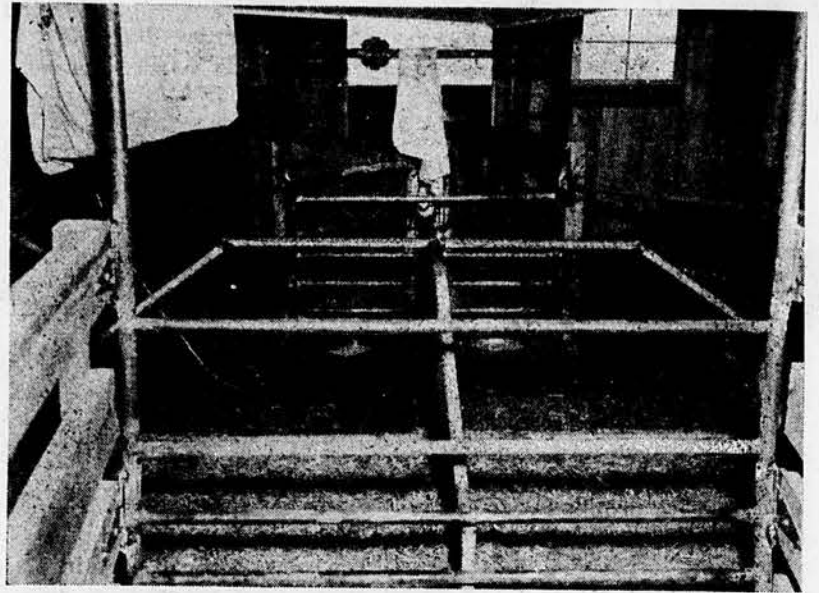
SO STRETCHABLE . . . you get more comfort—and you'll find Litentufs a whale of a lot easier to get on and off. Only our long experience in manufacturing makes possible this extra stretch, this better fit!

SO COMFORTABLE . . . your legs and feet feel better after a day's work, and you'll find yourself a lot less tired. No matter what your requirements are, insist on Litentufs . . . you can't beat 'em for value!

Footwear by
B.F. Goodrich
FIRST IN RUBBER

Builds Unusual Hog House

Will Handle 4 Sows and Their Litters



This inside view shows center framework of pig brooder. Gas bottle for heating brooder is just outside pipe frame in the background. The center frame forms 4 wedge-shaped brooder areas. The brooder cover is suspended from the ceiling and can be lowered over the framework.

A PORTABLE 4-sow farrowing house with many unusual features has been designed by Walter Rothe, Ness county farmer.

The building proper is 20 feet long and 18 feet wide. Side walls are 3½ feet and roof slope is 8½ feet. Swinging gates just inside the end doors permit putting sows and litters in any one of the 4 pens. The roof gable extends beyond the ends of the building a few inches and then is enclosed down about 12 inches to allow no-draft ventilation. In addition, there are two 8-by-12-inch windows in each end that are removable, and the end doors are built in 2 sections to further regulate the amount of air.

House Is on Skids

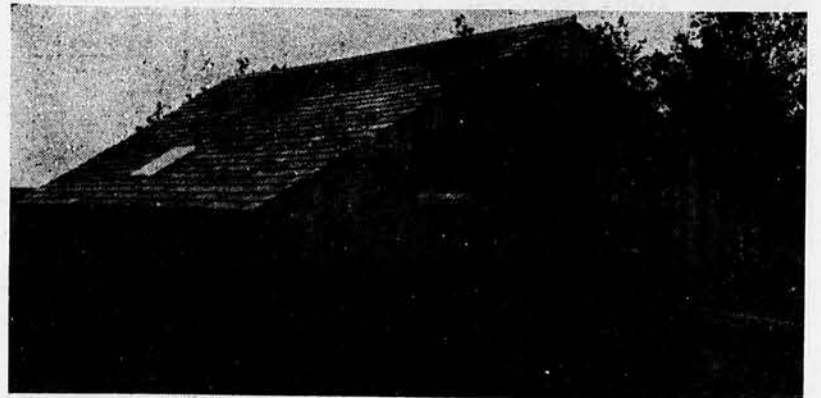
Four skids running lengthwise are each constructed of two 2-by-6's nailed together. These skids are 22 feet long so as to protrude one foot at each end. Hooks are set in the 2 center skids for hitching to the tractor with chains.

Inside, a center section 8 feet and

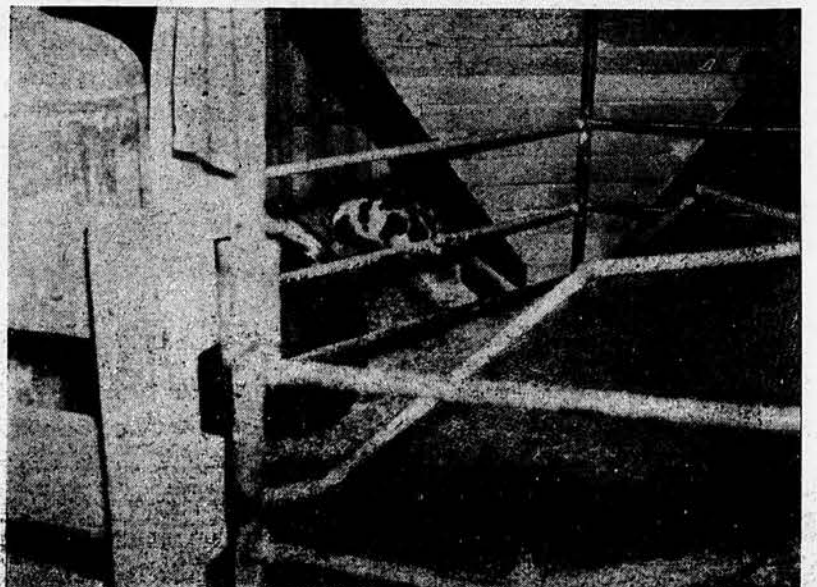
2 inches wide, is partitioned off by welded pipes. Six upright pipes from floor to ceiling form the corners. Horizontal pipes welded to these uprights form the 6 sides and keep out the sows. Inside of this area is another pipe framework constructed to form 4 wedge-shaped areas for the 4 litters of pigs. Above this center framework, suspended by pulley from the gable, is an 8-foot brooder that can be lowered to within 10 inches of the floor. This brooder is heated by propane or butane gas. Mr. Rothe has his gas bottle sitting at one end just outside the outer center framework.

Fill Feeders From Outside

In the center of the building at each side, Mr. Rothe built in 2 self-feeders. These are 5 feet long and serve as partitions between the 4 pens and service all 4 pens. They are 4 feet wide at the top, 24 inches wide at the bottom, and hold 20 bushels of feed each. The feeders are filled from outside thru trap doors in the roof.



Outside view of Rothe hog house. Note gable ventilation, double end doors, windows, and trap door for filling self-feeder.



Pigs eating from one of the self-feeders are shown in this angle view. Note detailed construction of pipe framework.

"Bad Lands" Into Good Meat

Vision and resourcefulness in the rebuilding of various kinds of abandoned and unproductive lands may pay dividends. The return of such "bad lands" to profitable use is equally important to producers and to us at Swift & Company. Because "what helps agriculture helps all of us." Here is a story of such vision. Here is an example of one man's initiative.

Like a farm torn up by a giant's plow, 600 acres of Illinois strip mine land stood bare. It was apparently worthless. That was in 1938. Today those once-bare ridges are knee-deep in grass and clover. Each rugged acre makes more than enough grass for one steer. And it's getting better each year.

The year after the land was mined for coal, a few volunteer sweet clover plants took root. They flourished in the lime-rich soil. Byron Somers of Canton, Illinois, who farmed adjacent land noticed them. He bought the "bad land" for \$5 an acre. With a hand seeder, he walked the ridges and sowed sweet clover. The next year he

had a good stand. This added some nitrogen and humus to soil already rich in phosphorus and potash. Further seeding of a grass-legume mixture is done each year by airplane. Brome grass has got a start, and now his pastures will be even more productive. In addition to grass, plenty of drinking water for the cattle is held in the little valleys.

Since being returned to usefulness, this land has averaged a net profit of \$7 an acre each year. Similar Illinois land has recently sold for \$25 an acre.

This is only one example. Every state has unproductive lands. Many other men have returned them to use—and profited. Huge areas still offer a challenge and an opportunity to American producers everywhere. Your opportunity, too, may be indicated by such a little thing as sweet clover growing on abandoned land.



FEED SUPPLY AND MAXIMUM DAIRY PRODUCTION

by E. A. Gannon
Extension Dairyman
Purdue University

More and cheaper milk will be produced by many herds if and when better feeding systems are used. Where good quality legume hay is fed, grain ration averaging 10-12% protein is sufficient. With good quality legume hay and silage, grain ration should consist of 12-14% protein. With mixed hay of good quality with or without silage, grain ration of 12-16% protein is desirable. Where corn fodder, stover or straw is the main roughage, with or without silage, an 18-20% protein grain ration is required.

Weighing of silage occasionally will determine if it is being overfed at the expense of roughage. Normally, one pound of hay and three pounds of silage per 100 pounds of live weight is recommended. In the case of fresh cows, during the first three or four weeks of lactation, silage may be reduced to 1½ pounds per 100 pounds of live weight and hay increased proportionately. Grain should be coarse ground and mixed with ground soybean supplement or 32-34% commercial feeds, to obtain desired percentages of protein, based on type and quality of roughage.

Cows should be fed according to daily production—for high-testing breeds, feed one pound of grain for 3-4 pounds of milk. For low-testing breeds, feed one pound of grain for 5-6 pounds of milk.

OUR CITY COUSIN

City Cousin ran away
When he heard
the farmer say,
"Tomorrow will be
thrashing day."



Geography of Meat Production and Consumption

The United States by rail is approximately 3,000 miles from East to West. It is about 2,000 miles from North to South. Not all of its 1,934,326,280 acres produce agricultural products. Neither do all of its square miles have the same number of people. The western part, including the Corn Belt, is the great food producing area. The East is the section in which most of the people live.

Approximately two-thirds of the livestock is produced west of the Mississippi River. Approximately two-thirds of the people live east of it. More specifically, about one-third of the people live in the area from Pennsylvania northeast into New England. Thus there is a great distance between the producers of livestock and the consumers of meats. This makes it necessary to have national concerns like Swift & Company in the slaughtering of livestock, processing, handling and selling of meats. The products handled by meat packers average to move more than one thousand miles from producer to consumer.

Martha Logan Recipe for INDIVIDUAL SWISS STEAKS

3 to 4 pounds round steak (cut 2 inches thick)	½ cup lard 2 onions 2 cups cooked tomatoes 1 cup flour
---	--

Salt, Pepper

Cut steak in serving size portions. Season meat and place on well floured cutting board. Cover with flour and pound with meat hammer or edge of heavy saucer. Continue to turn, flour and pound meat until all flour is taken up. Brown sliced onions in lard in heavy skillet. Remove onion and brown steaks on both sides. Place onions on top of meat. Add tomatoes. Cover and bake slowly in a moderate oven (350°F.) 2½ to 3 hours. Diced vegetables may be cooked in with the meat during the last half hour. Serves 6 to 8.



Soda Bill Sez:

... He who aims high, shoots ahead.



You BET There's Competition!

Recently I spoke to a meeting of livestock producers. When I had finished talking, the chairman asked if any persons in the audience wanted to ask questions. Immediately one livestock man stood up. "Is there any competition in the buying of our livestock?" he asked. Naturally, my answer was, "Yes." I went on from there to an explanation...

One of the best evidences of competition is found in United States Government figures. They show that there are more than 3,500 meat packers in the United States. Also there are 22,500 other commercial slaughterers of livestock. Surely this means much competition. Of course, Swift & Company does not come in competition with every one of these 26,000 slaughterers at every point at which it buys livestock. However, there is no place in the United States but what Swift & Company does come in competition in the buying of livestock with one or more of the 26,000 slaughterers.



26,000 slaughterers compete for livestock



He buys for plants in many parts of the country

Here's another fact about competition. At practically all markets in the country there are order buyers. During a year they buy for up to hundreds of meat packers. No individual buys for several hundred on any one day. But when the meat packers whom they represent need livestock, these order buyers are out competing with Swift & Company and every other buyer in the market.

The foregoing are just two examples of the many to be found indicating the ever present competition in our business.

FM Simpson.

Agricultural Research Department

SWIFT & COMPANY
UNION STOCK YARDS
CHICAGO 9, ILLINOIS

NUTRITION IS OUR BUSINESS—AND YOURS
Right Eating Adds Life to Your Years—and Years to Your Life

HYBRID SEED CORN



THE CRIB

THE SILO



**BIGGER
YIELDS!**

Should I Buy or Rent?

How Large Is a Family-Size Farm?

WHETHER to buy or rent a farm, and how large a farm is needed to provide a good living, are 2 questions that have puzzled farmers thru the years.

There is a lot of talk about "family-size" farms, but what is a "family-size" farm? In trying to answer some of these questions, Paul W. Griffith, Kansas State College extension economist, has made a study of 1,000 farm records in 67 counties in Kansas and representing 10 of the 15 type-of-farming areas. Records studied were those of farmers in the Farm Management Association and covered the years 1943, '44, and '45.

There are 2 definitions, says Mr. Griffith, to a "family-size" farm. One definition is "any farm that can be handled by a man and a boy with no full-time hired help." The other one is "all the land one man can manage efficiently."

It would be impossible to say how many acres would comprise a "family-size" farm under either definition because the size would depend on the type-of-farming area, the degree of intensity the land was farmed, the financial ability of the farm family to exploit the land's possibilities, and efficiency of the operator in managing both capital and land.

Requires Quite an Investment

Unable to get at the bottom of the problem from this angle, Mr. Griffith attacked it from another. His study of farm-management records over the 3-year period uncovered a yardstick that works well in every type-of-farming area in the state. He found that it takes about \$10,000 investment to produce \$1,000 net income on a Kansas farm.

That is, to get a net income of \$3,000, the farmer would need to manage about \$30,000 of land, machinery and livestock. He would not need to own the entire investment, but two thirds of the investment should be in the land and buildings, and one third in machinery and livestock.

A study of expenses in relation to gross income also was interesting. Even the most successful farmers find that from 50 to 80 per cent of each gross dollar is required for operating expenses. In years of high yields, high prices, and with good management, expenses may be less than half the gross receipts.

In many average years, expenses will take 65 to 75 per cent of the gross

income, including depreciation as an expense. In other years poor yields, crop failures, floods, low prices, or poor farming practices may bring farm expenses up equal to or above the gross income.

With these figures to back him up, Mr. Griffith says it would seem that a farmer with a limited amount of capital to invest should first get his working capital such as livestock, machinery, and equipment, and rent the land. He then should accumulate sufficient money to make a down payment of 50 per cent or more of the sale price of the land he wishes to buy before launching out as an owner-operator.

Mistakes Made in Buying

Some of the mistakes people make in buying farms, as listed by Mr. Griffith, are as follows:

1. Buying a farm for more than it is worth, based on productivity and probable prices over a long period.
2. Buying worn-out farms. Cheap farms generally are the highest priced.
3. Having all available capital invested in land and no working capital left with which to operate.
4. Using too much borrowed capital and not maintaining sufficient equity to carry thru one or 2 poor crop years or a low price period.

5. A son going into partnership with a father on a small farm, the production of which cannot be expanded economically. (One thousand dollars of farm income divided by 2 always equals \$500 each instead of \$1,000 each.)

An ideal credit and capital set-up for a farm might look more like this:

1. A debt-free farm, which was large enough to economically and efficiently utilize the resources of the farm and the abilities of the farm family.

2. Ample operating capital to permit full production and provide the family with a desirable standard of living.

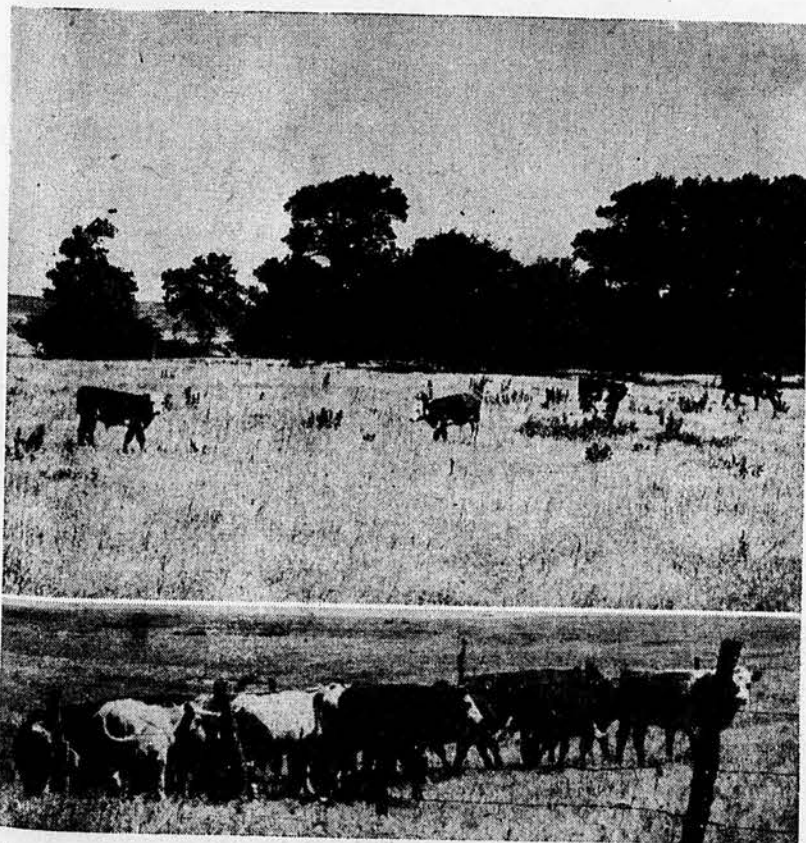
3. A financial reserve for unseen needs and to permit purchase of livestock, supplies and equipment when most advantageous.

4. Life insurance to cover all liabilities and leave the farm debt-free in case of death.

5. Liability and property insurance to protect the farm business against disaster and claims of others.

Very few men fail, notes Mr. Griffith, who first have thought thru their problems before they tackled them.

DDT Gets Rid of Flies



These 2 pictures, taken about 15 or 20 minutes apart, show the effect of DDT spraying on cattle grazing. Cattle in the upper picture had been sprayed and were scattered out grazing. Cattle in the lower picture had quit eating and were fighting flies. Both pictures were taken just before noon.



ADVANTAGES...

... in Shipping Livestock by Rail

are gained when the greatest use is made of all available services.

- ★ Order cars well in advance for specified shipping dates. Retain original shipping day. Changes cause delays. Load promptly. Have brand and/or health certificates ready when necessary or required by state laws.
- ★ Order bedded or sanded cars for good footing.
- ★ Protect your livestock. Retain quality and "bloom," insuring minimum shrinkage, avoiding hazards of loss by designating a reasonable and adequate amount of feed to be given at each feeding point.
- ★ Use all your privileges in connection with rail shipping whenever sales advantages and reduced marketing costs are possible.

★ Ship 'em by rail.

be Specific -
say "Union Pacific"

Consult nearest Livestock Agent or General Agent Freight Traffic Department for more information and full details. Request a copy of our booklet "Livestock Shipping Guide and Directory."

UNION PACIFIC RAILROAD
The Strategic Middle Route



The Leavenworth county home of Mr. and Mrs. George Sheppard. They remodeled an 80-year-old farmhouse during the war years despite shortages.



By moving the front door to the side they had room for a picture window 80 by 54 inches. The view from this window takes the eye over the hills.

They Brought an Old House UP-TO-DATE

By FLORENCE MCKINNEY

THEY got all the new features desired in remodeling their 80-year-old house. The result is comfortable to live in and good to look at. But it is startling to learn that Mr. and Mrs. George Sheppard did all the work themselves, with the exception of some aid from neighbors in pouring concrete and excavating.

Eight years ago the Sheppards moved to the 190-acre farm in southwest Leavenworth county and 5 years later they began to remodel. In the meantime, Mrs. Sheppard had clipped pictures from magazines until she had an enormous file of suggestions, some of which helped and some which proved impossible to carry out under their conditions. But after 3 years of hard work they have the things they wanted most, a lovely picture window in the living room, hardwood floors, a modern water system with shower, stool and laundry in the basement, a completely modern kitchen, a second-floor bathroom, a garage attached to the house, and perhaps best of all a service room at the back of the first floor, just atop the garage.

That's a lengthy list of improvements and represents, first, planning, then plenty of hard work in the execution. Both Mr. and Mrs. Sheppard and 14-year-old son Billie put their plan to work and completely remodeled and modernized their ancient farm home.

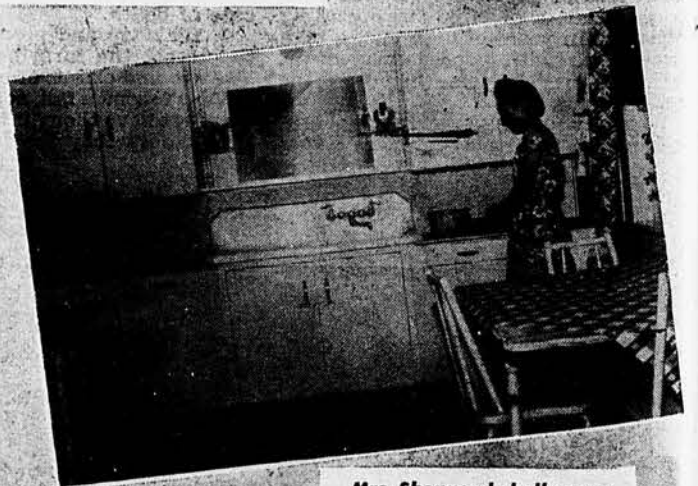
It's a pleasant sight to see a farmhouse well arranged in relation to the road and driveway and other farm buildings. The visitor at the Sheppard home may enter either into the living room directly, or go to the side porch into the dining room. Out that pretty picture window is a stalwart pine tree towering toward the sky with its roots deep beneath the thick mat of bluegrass on the lawn. Around the lawn is a stone wall and who doesn't think a stone wall adds to the beauty of the countryside? The Sheppards did not neglect the outside, for around the foundation they planted evergreen shrubs.

It was Mrs. Sheppard's plan to rebuild the house in modified colonial style and that result they have achieved. A wrought-iron railing found

[Continued on Page 19]



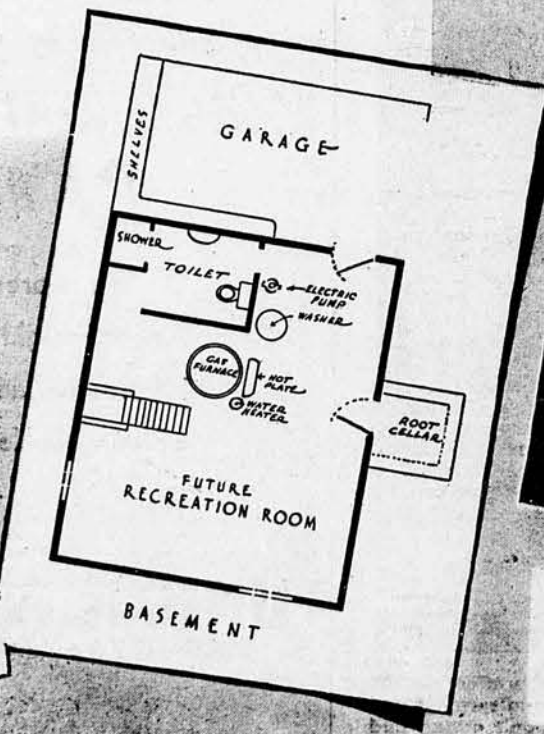
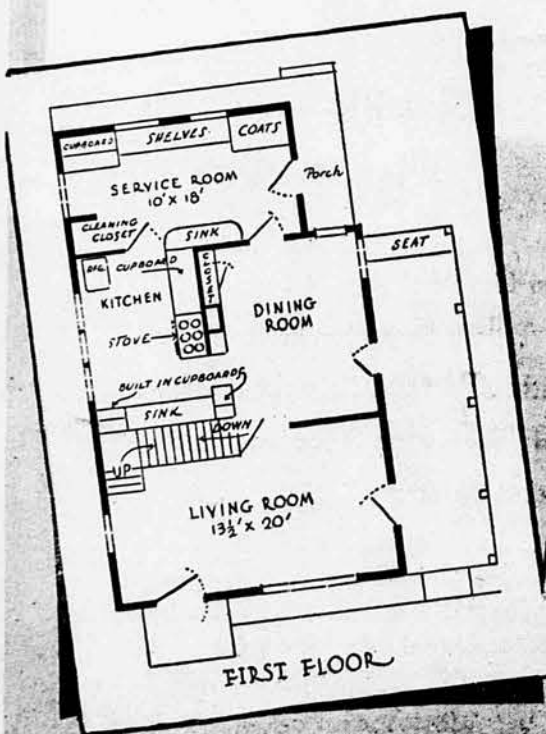
Hardwood floors, small rugs, easy chairs and modern lights in the long living room lend an atmosphere conducive to pleasant farm life.



Mrs. Sheppard shells peas at the kitchen counter. Running water and modern built-ins make her kitchen efficient.



The Sheppards built a service room at the back of the house over the garage. Ornamental iron railing both at front and rear doors came from a junk yard.



Time Saving Is Their Goal

A REDUCTION in house work by planning short-cuts has been the goal of the Lyon county Forest Hill home demonstration unit. A reduction leaves them more time to help in the fields, in the gardens and perchance snatch some leisure time during the summer heat.

To off-set the increased laundry of summer, and biding a time when steam irons can be bought, Mrs. Nellie VanGundy and Mrs. H. O. Pearson recommend that if much laundry is handled properly, it will dry smoothly and not require ironing. Some go easy with the dampening of clothes for ironing. It takes extra time and electricity to iron clothes dry.

For best results, Mrs. Willard Smith and Mrs. E. W. VanGundy suggest dampening the clothes by means of a bottle with a sprinkler top, then rolling the clothes tightly and leaving them for 2 hours before ironing. Mrs. Glenn Valyer prizes her laundry basket lined with oil cloth that saves the usual relining with newspapers each week.

Violet Smith, even tho she likes to sew, and Mrs. Lee Irwin, who is a clothing leader for the club, appreciate dresses and aprons designed to save time and energy—those that can be made quickly and are easy to put on and easy to iron. For the cleaning chores about the house, Mrs. Nellie Smith likes work aprons with roomy pockets for in them she can put the misplaced articles.

One of the newer time-savers, is a mending tape which can be found on the notion counters of the stores. This tape, applied by ironing, reinforces fabrics easily and quickly. Mrs. J. R. Williams and Mrs. Verl Davis find this hot-iron tape can be used readily in stiffening fabric belts as well as mending.

Scores of ways to use baskets, trays and tea-carts in saving steps can be enumerated by Mrs. John Bebermeyer and Mrs. L. O. VanGundy. For porch lunches Mrs. L. L. Redmond made extra trays from uniform-size picture frames, using neutral-colored cardboard as a background for the pretty linen doilies placed under the glass. The trays were finished with heavy felt-like cloth glued to the back of the frames.

The club has studied proper storage—for space-saving means time-saving. With remodeling planned there will be closets, built-ins in most of the rooms and no waste space under dressing tables and other furniture.

Members of the club are: Mrs. Blanche Baysinger, Mrs. John Bebermeyer, Mrs. Roe Collins, Mrs. Leslie Davis, Mrs. Verl Davis, Mrs. Charles Garrison, Mrs. John Gunkel, Mrs. Lee Irwin, Mrs. Roy Irwin, Mrs. Clifford Jones, Mrs. A. J. King, Mrs. Art Loomis, Mrs. O. J. Nuffer, Mrs. H. S. Pearson, Mrs. W. G. Pearson, Mrs. L. L. Redmond, Mrs. Nellie Smith, Violet Smith, Mrs. Willard Smith, Mrs. Grace Sutton, Mrs. Glenn Valyer, Mrs. Nellie VanGundy, Mrs. E. W. VanGundy, Mrs. J. R. Williams, Mrs. Elsie Wood.

Old House Up-to-Date

(Continued from Page 18)

in a junk yard, edges the tiny stoop at the front door. More wrought iron was obtained and used at the back of the house just off the service room. Originally, the old house had 2 rooms across the front with a door in the center. They moved the door to one side and added the window, 80 inches wide and 54 inches high. With no curtains and simple draperies at the sides, the sunlight streams into the pleasant living room in winter and Venetian blinds shield it in summer.

White woodwork, the paint applied by Mrs. Sheppard, is seen in every room, with the kitchen trimmed in red. Mr. Sheppard, who apparently knows his plumbing, installed the electric water system, and thermostatically controlled hot-air furnace, a clothes chute from the second floor to the basement and all the electric wiring. Mrs. Sheppard admits hesitantly that she even painted the outside of the house, which is covered with off-white asbestos cedar-grain shingles.

The service room at the back of the kitchen deserves special mention. It is not yet completely furnished, for plywood has been slow in arriving. In this room will be much cupboard space, a sink for washing and preparing vegetables for the table and for canning, and that handy closet for the work clothes. No housewife wants those dirty clothes to come off in her kitchen—one of the main reasons for the birth of the increasingly popular service room for rural homes. This service room has 2 outside doors, one of which leads to the garden. One door leads into the kitchen, the other to the dining room. One can enter the garage from the basement without going outdoors.

This attractive house and lawn are proof that remodeling can be done without outside labor if there is a will and plenty of energy and ability. The next thing on the Sheppard time-and-money budget are new and remodeled farm buildings.

Tomato Catsup

Tomatoes that are fully ripe and not firm enough for canning may well be made into catsup.

2½ quarts sliced tomatoes	1 teaspoon whole cloves
¾ cup chopped onion	1 cup vinegar
3-inch piece stick cinnamon	½ cup sugar
1 large garlic clove	1½ teaspoons salt
	1 teaspoon paprika
	Dash cayenne pepper

Simmer together tomatoes and onion for about 20 to 30 minutes. Press thru a sieve. Put the cinnamon, garlic and cloves loosely in a clean, thin, white cloth. Tie top tightly, add to vinegar and simmer 30 minutes. Remove spices. Boil sieved tomatoes rapidly until the volume is reduced to one half. Stir frequently to prevent sticking. Add spiced vinegar, sugar, salt, paprika and cayenne pepper to tomato mixture. Boil rapidly, stirring constantly for about 10 minutes or until slightly thickened. Pour into clean hot, sterile jars. Fill to the top and seal. This will make about 2 pints.

Carrot, Cheese Salad

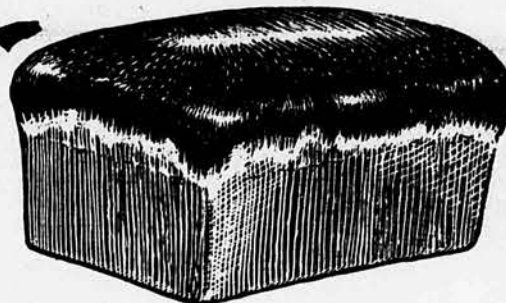
1 pound cottage cheese	Dash of pepper
1 cup finely chopped or grated carrot	2 tablespoons finely chopped onion
¼ teaspoon salt	¾ cup cooked salad dressing

Mix the cheese with chopped carrot, onion, seasoning and serve with dressing.

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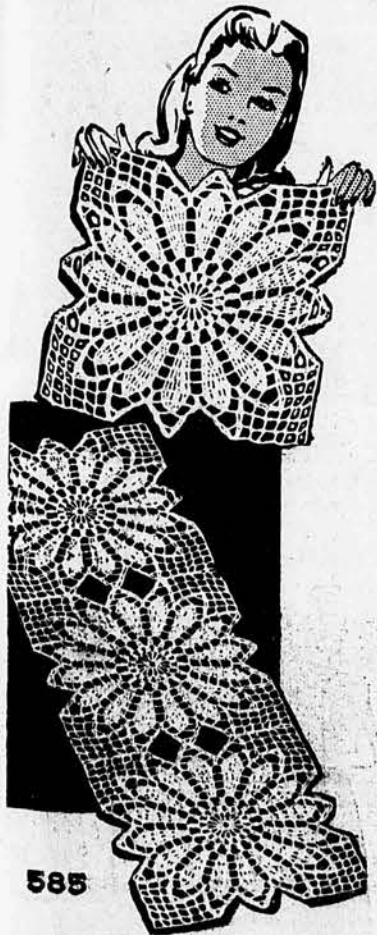
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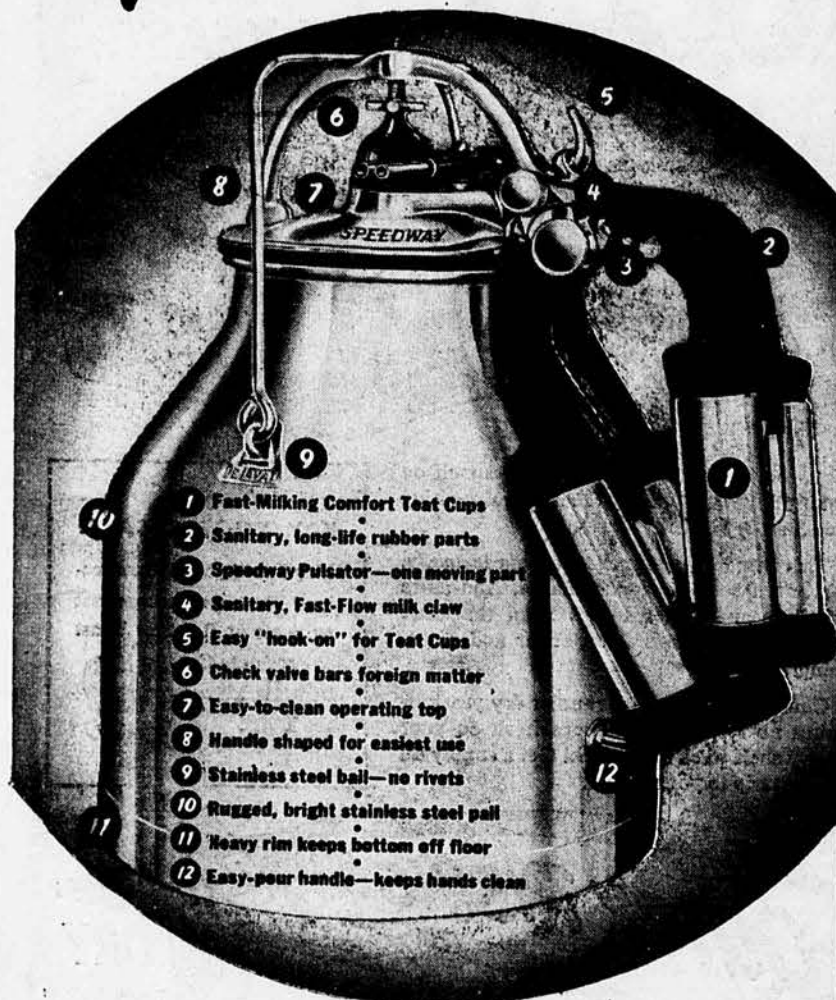


585

Want your table and dresser-set problems quickly solved? Crochet this square in double string, it's the easiest yet. Join squares for scarf. Pattern 585 has directions, stitches.

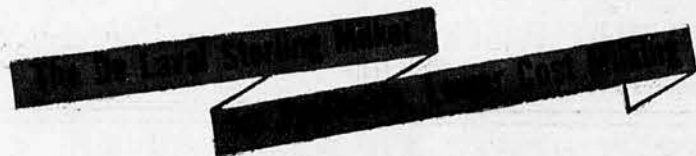
Pattern 585 may be obtained by sending 20 cents to the Needlework Editor, Kansas Farmer, Topeka.

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DE LAVAL

This Church—A Community Center



The Boling Canning Club has been meeting for 30 years. Mothers and children gather once each month for a social afternoon at the community center.

WHAT to do with the no longer used 1-room schoolhouse and rural church is a question in the minds of Kansas people in every county. With school reorganization under way and the rural church service abandoned in many communities, there are innumerable unused buildings rapidly deteriorating. In central Leavenworth county, the Little Stranger Christian Church was built in 1868. Today, it stands in the churchyard, surrounded by mammoth pines, and used not as a church but as a community center. The Old Santa Fe Trail ran thru the churchyard and 2 large ridges remain, piled up by the huge wheels of the wagons in the caravans.

Here, the 50 members of the Boling Canning Club meet the first Tuesday of every month. The Little Stranger Home Demonstration Unit holds monthly meetings at the center. The Boling Grange and the Royal Neighbors use it also. When the 4-H Club was in existence it met there, but this group grew up, and now the community awaits another crop of young people the right age. At one time, the Sunday School held its services in the little church.

The Canning Club was organized in 1916 during the first World War, when home demonstration work was in its infancy. The women canned food in vast quantities, much as farm women have been doing during the last war period. They enjoyed their relationship so much that they are still meeting; the youngest members now are married, have children, and some, perhaps, grandchildren. But no thought has been given to changing either the name of the club nor the time of the monthly meeting. Both are traditional.

Center Was Revived

But this little community center was not always loved and cherished as it is today. From the end of the first World War until 1929, the little church building was not used and vandals destroyed the windows, stole furnishings, the shutters hung from a single hanging, even the steps had disappeared. In 1929, the 4-H Club looked around for a place to give a play. Viewing the wreckage, they almost despaired of restoring it to any sort of a usable, comfortable building. But, with hard work, inspiration, and many contributions, the little church came to life once more.

First, windows were replaced, then steps built, and a new ceiling put up. Folks in the community contributed money and furniture, a piano, a stove, chairs and tables.

The member organizations contribute toward the upkeep of the little church under the leadership of the directors, Roy Burt, Collins Starnes, and

Horace Lamborn. Ralph Faulkner is secretary-treasurer. The home demonstration unit arranged for a shower and folks in the community brought towels, dishes, soap and some equipment. The hostess for each club makes arrangements for the cleaning and heating of the building at the time of the meeting.

Thus, one community has taken advantage of a once unused building—an eyesore—and restored it for the use of all. It has revived interest in community affairs and contributes toward better rural living.

Made Comforters

"One large feather bed will make 3 beautiful new comforters," says Mrs. A. G. Kenton, of Leavenworth county. She makes one in 3 days. She made a wine-red rayon satin cover and stitched it lengthwise end to end into several tubes. With the vacuum sweeper she blew a part of the feathers into each tube, then closed the end. They last another lifetime.

Keep Dark and Cool

Keep honey in a dark, cool place as light causes it to granulate. Heat over warm water if already granulated.

Scallops for Trim



9323
SIZES
34-50

Rug Bulletin

Various sizes and kinds of rugs are suggested in our leaflet, "Homemade Rugs." Complete instructions for making rugs, footstool tops, and chair seats are given. For a copy of this leaflet, please address Farm Service Editor, Kansas Farmer, Topeka. Price 3c.

Come hot weather you'll add this to your thanks-due list. Pattern 9323 is a 2-piece dress that keeps you cool, calm and collected. It comes in sizes 34, 36, 38, 40, 42, 44, 46, 48, 50. Size 36 requires 3½ yards of 39-inch material.

Pattern 9323 may be obtained by sending 25 cents to the Fashion Editor, Kansas Farmer, Topeka.

The Picture On the Cover

RAPIDLY disappearing from the Kansas scene is the one-room schoolhouse. About 1,300 of them will be closed this year because of consolidation under the new school reorganization law.

One that will continue at the old stand is the Moehlman Bottom School, in Riley county. Typical of rural school teachers is Jeannette Hosler, of Riley county, who taught the Moehlman Bottom School last year and has been hired for the current term. Miss Hosler took special summer school work at Kansas State College and has a 2-year teaching certificate. At the end of this term she will have to quit or take additional work. A farm girl, Miss Hosler is a product of the rural school and understands rural people and rural problems. She had 12 pupils last year but 3 were graduated and 1 moved away.

In the cover picture, Miss Hosler is greeting 2 of her pupils, Janice Hofmann, 7, who will be in the second grade this year, and Milton Matthews, 10, who will be in the fifth grade. Janice is the daughter of Mr. and Mrs. Edwin Hofmann, and Milton is the son of Mr. and Mrs. Leon Matthews.

The Moehlman Bottom School pays a higher salary than some and Miss Hosler reports that patrons are extremely co-operative and helpful. Many rural parents believe their children get a better education in the one-room school thru a combination of home training and the close association possible in such schools, than they would in larger schools with more modern equipment but which require them to be away from home for longer periods.

Other parents, and school officials generally, maintain that good work is impossible if the schools are too small and poorly financed.

Regardless of this difference in beliefs, the trend toward consolidation has been under way in Kansas for many years. The "Little Red Schoolhouse" of the present generation soon will be only a memory.

New Head for International

William E. Ogilvie has been appointed acting manager of the International Live Stock Exposition, Chicago, following the death of B. H. Heide.

Mr. Ogilvie is well known to Kansas livestock men as he has been attending Kansas shows and livestock events for a number of years while serving as assistant manager to Mr. Heide.

The new manager has grown up with the Chicago Exposition as his father, the late Robert Burns Ogilvie, was one of the founders.

Game Birds Released

Nearly 30,000 quail and pheasants were released in Kansas during August by the Forestry, Fish and Game Commission, it is reported by Dave Leahy, director.

All birds released were banded with an aluminum serially numbered leg band. Sportsmen and others in possession of recovered bands are asked by Mr. Leahy to send them to the game department, at Pratt, together with a statement as to the date and place of recovery. This information is needed for studying the range, movement, and lifespan of these game farm-produced birds.



"It's a new baseball fact-finding board—they're settling a strike!"

Here's Why More Farmers Plant DEKALB

Corn like this didn't "just happen". These great, deep-kerneled ears, weighty with grain of high quality, are the result of 21 years of intensive research by DeKalb corn breeders. During all those years, they sought to combine ear quality like this, with sufficient plant ruggedness to assure farmers—within the limits of nature—high, dependable yields of better corn, year in and year out. And here's powerful proof of their success—today more farmers plant DeKalb than any other hybrid.

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Kansas—A Leading DAIRY State

Dairy Products Manufactured in Kansas 1945

Product	Pounds
Creamery Butter.....	52,384,604
American or Cheddar Cheese (made from whole milk).....	12,728,946
Cottage Cheese.....	8,062,627
Evaporated Whole Milk (case goods).....	60,070,480
Sweetened Condensed Whole Milk (bulk goods).....	1,090,688
Unsweetened Condensed Whole Milk (bulk goods).....	261,892
Sweetened Condensed Skim Milk (bulk goods).....	19,657,647
Unsweetened Condensed Skim Milk (bulk goods).....	13,751,876
Condensed Buttermilk.....	29,461,043

Product	Pounds
Dry Buttermilk.....	497,691
Concentrated Whey.....	189,799
Dry Whole Milk.....	600
Non-fat Dry Milk Solids for Human Consumption:	
Spray Process.....	1,824,393
Roller Process.....	2,657,333
Ice Cream:	
Sold at Wholesale.....	4,122,991
Sold at Retail.....	904,898
Total ice cream.....	5,027,889
Sherbets.....	344,340
Frozen Custards (including ice milk).....	156,857
Frozen Malted Milk.....	69,793

(U. S. Department of Agriculture)

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agriculture by your state farm paper

KANSAS FARMER

**An Easier Way
TO MAKE A LIVING**

SKYLINE THE IMPROVED DA-WEST
DOUBLE-DUTY GRINDER

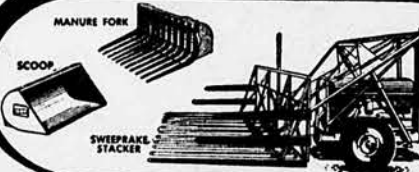
Imagine a grinder that has year 'round use for grinding grain, chopping and shredding alfalfa and roughage and filling silos. The "Skyline" has larger capacity per horse power than any mill on the market.

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Sleep Is the Best Tonic

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

SLEEPY? Perhaps your hours in bed are too short! I agree with Holy Writ as to the sluggard; but I have a lot of sympathy with the tired person whose uninterrupted sleep ration is all too short. (What doctor doesn't?)

In my young days I was often told about Edison and his 3-hour sleep schedule. I do not dispute it. Neither do I think it alters the fact that 8 hours is the general need. For the hard worker 8 hours is the minimum. There are plenty of grown people who do better with 9. The allowance is a personal matter that you must thrash out for yourself. But having discovered your need please do not cheat yourself.



Dr. Lerrigo

Will Help Fight Illness

It is my experience that many a worn-out father or mother has succumbed to illness which would have been fought successfully if the attack had not found resistance broken by lack of sleep. I believe that plenty of us work along at about 60 per cent efficiency because we do not get enough regular sleep to "catch up" and to supply some reserve energy. If your bedtime is 10 o'clock, make it 10 o'clock every night. It is the time of going to bed that counts rather than the time of getting up. Young mothers who find their rest broken by nursing babies should make opportunity for supplementary rest hours in the afternoon.

Sleep being so important a factor demands preparation. "Any place where I can flop" might be all right for a husky young soldier, but it will not do for you. The mattress should be of

good quality, firm and even. Covers should be ample but light. The bedroom should always be cool and fresh, but there is no sense in having it so cold that you cannot be comfortable. Old people should wear warm night clothing and take particular care to keep the feet warm.

One's mental attitude deserves special consideration. Worries and problems should never be taken to bed with you. There are fortunate people who can drop off to sleep under any condition. But if you are not one of these, make a little study of the things likely to break your sleep and see that they do not occur.

I venture the statement that most "run down" people will find definite advantage from more sleep and that you can get it by careful planning.

Reduce the Weight

What is the cause of high blood pressure? Where is there a good treatment for same? Mine has been 276. I did weigh 280 pounds. I am 40 years old. Surely would like good advice. I have been doctoring with two good doctors. They seem to think they can't find the cause. What do you say?—Mrs. W.

No doctor can name one special cause for high blood pressure. Any disease that constricts the calibre of the blood vessels or greatly accelerates the impulse of the heart may cause it. It is practically impossible of cure unless the cause is found. I can quite understand that your doctors may have done their best without success. In such cases they may yet be able to help you by advising as to your diet and methods of living. But each case demands consideration on its merits. The thing that stands out most prominently in your case is the highly marked overweight. Of course this should be reduced.

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

**You've Made a Grateful
Mother Very Happy!**

By **J. M. PARKS, Secretary**

The Capper Foundation for Crippled Children

READERS of KANSAS FARMER will be glad to know their generous contributions to The Capper Foundation for Crippled Children have made a grateful little mother very happy; and her almost helpless crippled son Wallace much more independent than he could ever have been without their help.

Fifteen-year-old Wallace had infantile paralysis about 5 years ago. When the mother first wrote to us in 1945, she said, "We have doctored him a lot, but he can't walk very well yet. He uses crutches and braces. We would like to give him treatment at the hospital where one of our neighbor boys was helped so much, but we are just poor Kansas farmers and can't pay for it all ourselves. I have written to some rich people I know and asked them to help, but I didn't even get an answer. I just wondered if it would be possible to get any aid from the Capper Foundation. We would try to pay some of the bill if we could just get some assistance somewhere."

He Did Get Help

The Capper Foundation did help. For nearly a year now Wallace has undergone treatment in a hospital a good portion of the time and has been doing very good work in high school the rest of the time. While none of us expects him ever to be entirely well, he has made much progress already. His back is more nearly straight, his short leg has been lengthened, many muscles that were tight and useless are now functioning very well.

Altho the mother writes often to tell how Wallace is getting along, she never fails to close her letters with an expression of gratitude for the help the Capper Foundation gave when all other sources had failed. Indeed, happiness has again come into the lives of both Wallace and his mother.

The expense has run into hundreds of dollars, but there is still hope of further improvement, so the treatment will be continued. While the mother

makes payments from time to time—all she can afford—there is much need for other contributions to keep Wallace and the scores of other little patients improving just as much as possible. Your gifts, either large or small, will be appreciated. Send what you can spare to the Capper Foundation for Crippled Children, Capper Building, Topeka, Kansas. Ask for the free story of the Capper Foundation and suggestions on making bequests for this worth-while work.

Cuts Any Grass



A 30-inch power lawn mower that will cut and trim a lawn in one operation and cover half an acre an hour, now is being put on the market. The mower is said to be able to cut all grasses or weeds, regardless of height, and to eliminate grass matting and overlapping runs. It cuts right up to the edge of obstructions, eliminating trimming. The handle is collapsible for winter storage.

Flying Farmers

WILLIAM JANSSEN, McPherson, is pointing to the future in personal air travel. He is building a modern airport one mile west of the city. Besides hangar and shop space, his plans call for a lounge, restaurant and 16-room hotel. It will be the Janssen Skytel.

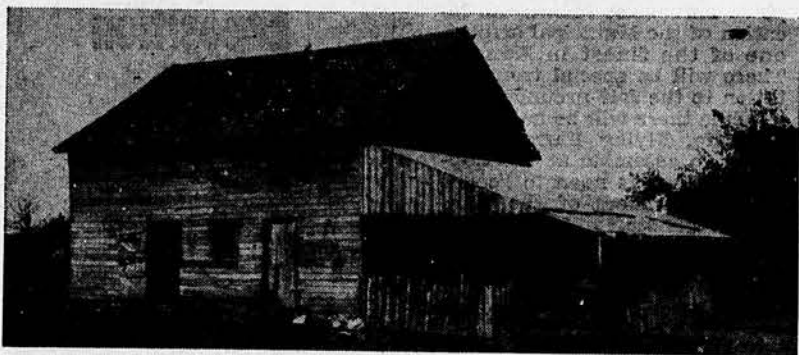
Mr. Janssen's main hangar building is 74 by 114 feet. It will house the lounge, restaurant, office space and shop. At present it also is used for plane storage. He has a smaller hangar which holds 4 light planes. His plans call for another hangar to hold 4 more planes. He expects to begin work on the hotel next spring.

Mr. Janssen is a Flying Farmer and is building the Skytel on his own farm. He has started buffalo grass on each side of the runways for light planes. The center will be black-top for heavier aircraft.

Like other Flying Farmers, he has flown over most of the United States. Present lack of restaurants and sleeping accommodations at airports makes air travel inconvenient, he points out. Kansas climate and terrain are ideal for aviation. When more Skytels are built, watch the outstate planes fly in.

W. V. Stutz, Master Farmer, of Utica, has a new Ercoupe. Flying to his Ness county home in mid-August, he stopped for lunch in Topeka. Mr. Stutz is a charter member of the Kansas Flying Farmers Club.

Ready for a Quick Change



This barn on the W. L. VanBuren farm, Morris county, shows condition of buildings before his remodeling program got under way.

MODERNIZING a run-down farmstead was a job that presented many problems to W. L. VanBuren, of Morris county, when he moved on the place several years ago. But he is making fine progress.

In remodeling the principal barn on the farm, Mr. VanBuren used a plan that would allow him to change quickly from hogs to dairy, or back again. One section of the barn was constructed just as if it would be used for a milking parlor, except that only the outside posts of the stanchions were installed. The gutter was covered with a wooden lid set flush with the concrete floor.

This section now is being used as a feeding floor for hogs, and is equipped with self-feeders. By using the stanchion posts and panels, the stanchions are converted into farrowing pens. Pigs are creep-fed on the floor and automatic watering troughs are available. Later, if a dairy program is decided upon, only a few quick changes

Leigh Warner, Cimarron, sent in the first private airport description for the state Flying Farmer air map. Mr. Warner says he is interested in the map. It will be handy to use in flying over the state.

Make a drawing of your private airfield. Show the exact distance from the nearest town and the relative location to that town. The sooner the Kansas Flying Farmers Club receives these descriptions, the sooner work can be started in making the maps. Send your drawings to Aviation Editor, Kansas Farmer, Topeka.

Three memberships have been received since the Kansas Flying Farmers Club was organized last spring. They are Harry Melvin Hofman, St. George; Walter Hacker, Cimarron; and Meredith Hawk, Atchison. Mr. Hawk represents the northeast corner of the club membership block.

Returns to Clover

There is something about sweet clover, according to Alvin Flick, Sumner county, that puts a kick in the soil. Ten years ago he had a small patch of clover. The effect still is evident. Present crops on that location are a little taller and a little darker in color than adjoining crops.

That is why he started a 7-year rotation to cover all his farm with sweet clover. He started with 20 acres of Madrid sweet clover last spring. Next year he expects to put in 40 more acres. It seems to be easier to get a stand with Madrid, he reports. The seed germinates faster and there is less danger of it being covered too deeply after a rain.

THE STORY OF THE HYBRIDS THAT WIN 8 OUT OF 10 TIMES in 2,325 competitive yield checks



YIELD CHECKS are made in farmers' fields where Pfister Hybrids have been planted alongside of competitive hybrids. A predetermined number of hills of each hybrid is picked from adjoining rows.



EARS OF EACH HYBRID are weighed. This gives **EAR CORN YIELD**. Then ears of each hybrid are shelled into separate containers. Checks are made on **SHELLED CORN** because that is the corn you market or feed.



SHELLED CORN produced by each hybrid is accurately weighed. This gives **SHELLED CORN YIELD**. Samples of each corn are taken to be tested for moisture content.



AFTER MOISTURE TESTS are made, weights are reduced to No. 2 corn, winner is determined on the basis of dry shelled corn. And in 2,325 such tests, Pfister Hybrids **WIN 8 out of 10 TIMES**.

★ AVERAGE 10.8 BUSHELS MORE SHELLED CORN PER ACRE

Naturally, any one brand of hybrid corn cannot win all the time, but when Pfister Hybrids win 8 out of every 10 yield checks, that is mighty conclusive proof of superiority. Figures based on 2,325 competitive yield checks made over a period of 8 years in 9 states show that Pfister Hybrids actually win 83.13% of the time. In the few cases where Pfisters do not win, they lose by an average of less than 5.5 bu. per acre. Remember, it costs you just as much to plant, grow and harvest a "fair-to-middling" hybrid as it does a winning hybrid. And, every extra bushel of shelled corn is extra profit... clear profit! Your opportunity for making extra profit is better when you ask your Pfister Dealer to help you select the hybrids that are **WINNING 8 out of 10 TIMES** in your locality. Call him today!



PFISTER ASSOCIATED GROWERS, INC.
In Kansas: Missouri Pfister Growers Inc., Princeton, Mo.

Mention KANSAS FARMER When Writing Advertisers

IRRIGATION CAN DOUBLE YOUR CORN AND OTHER CROP YIELDS!



Now is the time to make your plans. These Pumps and Wells cannot be had on a few days' notice. We give you a complete service—drill your test, drill your Well, furnish

and install your pump and also your power plant, either electric or motor, completely ready to operate. Write for free Catalog and full particulars, at once. Western Land Roller Co., Dept. 121, Hastings, Nebr.

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**WESTERN LAND
ROLLER CO.**
Hastings, Nebr.

**Western
IRRIGATION
PUMPS**



Completely modernized is this large barn, which can be quickly converted to either a hog or dairy program. Note new concrete stave silo just behind the barn.



KEEN, DURABLE EDGES for your discs, made by the finest welding skill to assure long-lasting operation—that's the time and labor saving economy of ADAMS Hard Facing.

A tough alloy welded on the cutting edge of your own one-way discs, springteeth, drill discs, duckfoot sweeps, subsoil chisels, plowshares and other tools by Adams Hard-facing, makes them self-sharpening and wear resistant. This is the oldest and largest farm tool hard-facing business in the United States.

An ADAMS dealer is ready to receive and ship your tools for prompt servicing. If no dealer is near, send your tools to

W. E. ADAMS, WAKITA, OKLA., freight collect. New hard-faced tools are ready now for prompt delivery.

If you'd like to be an Adams dealer, write us for information.

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A postcard will bring your FREE Adams catalog in a hurry. Write for it today.

See for yourself what **HARD FACING** will do at our exhibit. **KANSAS STATE FAIR . . . Hutchinson . . . Sept. 15-20**

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HARD FACING CO
Wakita, Oklahoma

See Charley Johnson,
Your Host at the
CAPPER BUILDING
on the
KANSAS FREE FAIR
Grounds

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**The Great
Soil-BUILDER
and
Money-Making Crop**

Visit the Kansas Soybean Mills' exhibit at the Kansas Free Fair, Topeka, and the Kansas State Fair, Hutchinson. See the displays of varied industrial uses and the characteristics of different varieties.

**KANSAS SOYBEAN
MILLS, INC.**
Emporia, Kansas

New Things at State Fair

Commercial Exhibitors Invite You to See Their Wares

By ROY R. MOORE

I ALWAYS have harbored an opinion that when members of the average farm family load up the baggage in the car and head for the state fair, they are just as eager to see the commercial exhibits as they are to see the races or the livestock.

For there is something exhilarating in "window-shopping" for the many things the manufacturers have designed for better farming and better farm living. It is likely few farmers, even in lush times, can afford scarcely a fraction of the merchandise on display, but it is fun looking nevertheless.

And when you get to the Kansas State Fair at Hutchinson this September, you are going to be pleasantly surprised at the number of exhibitors who are back in the picture. During the war years most of the manufacturers were too busy making ammunition or a thousand and one items of war equipment, they couldn't possibly do much in the way of exhibiting at the various fairs.

But it is different now in a lot of ways, altho shortages are not a thing of the past. In other words, you may see a lot of things you would like to buy, but as yet available only in small numbers or quantity.

On machinery row, there is a definite air of hopefulness about the possibility of new machinery being ready for delivery soon, altho many of the new models on display will have been borrowed from farmers near Hutchinson, who have been good enough to lend their equipment.

That is going to be true of International Harvester Company, Minneapolis-Moline, Massey-Harris, John Deere, and others. No attempt will be made to show models that actually are not in production.

State fair visitors will find some new names in the list of machinery companies with exhibits. For the most part these concerns started up early in the war and soon were busy turning out bad news for the Nazis and Japs. Now they are making various useful items, "beating swords into plowshares," so to speak, and that is almost literal with the Davis Manufacturing Company, of Wichita, which will be present with many items the company now can deliver.

Machinery row always has been intriguing at the Hutchinson fair, mainly because of its diversity in different items. Mention could be made of such companies as the Doerr Mercantile Company, Larned, exhibitors of irrigation equipment and sheet metal products; Dodson Manufacturing Company, Wichita, manufacturers of silos and buildings; Jacobs Wind Electric Company, Minneapolis, Minn., wind electric plants; Wyatt Manufacturing Company, Salina, manufacturer of the Jayhawker stacker; and Price Brothers, Wichita, exhibitors of several individual products.

The list of machinery exhibitors follows:

Farm Machinery Section

Allmand Mfg. Co., Holdrege, Neb.
Allis-Chalmers Mfg. Co., Wichita, Kan.
American Road Equipment Co., Omaha, Neb.
Booster Buck Mfg. Co., Dunlap, Ia.
Continental Farm Machine Company, Minneapolis, Minn.
D. & S. Elevator Company, Enid, Okla.
Davis Lumber Company, Inc., Hutchinson, Kan.



"I trained them to start when I say 'bacon and eggs.' I HATE mush!"

Davis Manufacturing Co., Wichita, Kan.
Dodson Manufacturing Co., Wichita, Kan.
Doerr, A. A., Mercantile Company, Larned, Kan.
Eaton Metal Products Co., Hutchinson, Kan.
Gleaner Harvester Corporation, Independence, Mo.
Henry Manufacturing Company, Inc., Topeka, Kan.
Hutchinson Concrete Co., Hutchinson, Kan.
Hutchinson Foundry and Steel Company, Hutchinson, Kan.
Hyatt, J. H., Equipment Co., Gallatin, Mo.
Interlocking Stave Silo Company, Inc., Wichita, Kan.
International Harvester Co., Wichita, Kan.
Jacobs Wind Electric Company, Minneapolis, Minn.
Jeffrey Manufacturing Co., Amarillo, Tex.
John Deere Plow Co., Kansas City, Mo.
Kansas City Tractor & Implement Company, Kansas City, Mo.
Kansas Willys Overland Company, Inc., Topeka, Kan.
Krause Plow Company, Hutchinson, Kan.
Lincoln Electric Company, Kansas City, Mo.

Flying Farmers Day at Hutchinson

Attention Kansas Flying Farmers!

Sam Mitchell, secretary of the Kansas State Fair, has suggested that Wednesday, September 18, be the official "Flying Farmers Day" at Hutchinson.

So set that day aside for a quick trip to Hutchinson by air if the weather is good. Every plane enthusiast knows the location of the Municipal airport, one of the finest in Kansas. There will be special transportation to the fair grounds.

While there will be no formal program, Flying Farmers are asked to assemble at the Capper building at noon to "count noses." Members of the Kansas Farmer staff will be present.

Lipe Motor Truck Company, Inc., Hutchinson, Kan.
McPherson Concrete Products Company, McPherson, Kan.
Massey-Harris Company, Kansas City, Mo.
Master Manufacturing Company, Hutchinson, Kan.
Mayrath Machinery Company, Dodge City, Kan.
Memorial Art Company, Hutchinson, Kan.
Minneapolis-Moline Power Implement Company, Kansas City, Kan.
Fred A. Moore Chemical Company, Hutchinson, Kan.
Moundridge Equipment Exchange, Moundridge, Kan.
National Tile Silo Co., Kansas City, Mo.
The Oliver Corporation, Kansas City, Mo.
Ottawa Steel Products, Inc., Ottawa, Kan.
Price Brothers Equipment Company, Wichita, Kan.
Salina Concrete Products, Inc., Salina, Kan.
Superior Separator Co., Minneapolis, Minn.
Wetmore Pulverizer & Machinery Company, Tonkawa, Okla.
Whitworth Supply, Scott City, Kan.
Wincharger Corporation, Sioux City, Ia.
Wyatt Manufacturing Co., Salina, Kan.

In looking over the names of the several score commercial exhibitors at the State Fair, one cannot help but feel that the good old days are back again. But as among the machinery exhibitors, there is likely to be some disappointments—that is if you expect to walk out with the merchandise. Shortages for one reason or another have not been entirely whipped, as you well know.

That would not be true, of course, of such concerns as the hybrid seed corn growers who will prove beyond the shadow of a doubt that hybrid corn is far superior to open-pollinated varieties. Ernest Dowell, state manager for Dekalb, will have charge of that company's exhibit, as in the same capacity for his company will be Clarence Parmalee, state manager for Garst and Thomas, growers of Pioneer hybrids. These companies can promise you plenty of seed corn for planting next year.

One can find in browsing about, almost every conceivable kind of exhibit designed to make living a little easier on the farm or in the farm home. For instance, in the General Products exhibit, jointly sponsored by that com-

**KANSAS
STATE
FAIR**
HUTCHINSON

**SEPT
15-20**

**6 FULL DAYS
PROGRAM**

**Kansas' Greatest
Livestock
Exposition**

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Sept. 14 and 18**

**State Fair Revue
Every Night**

**Automobile Races
Sept. 15-17 and 19**

**Motorcycle Races
Sept. 16 and 20**

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WIND ELECTRIC



5 Year UNCONDITIONAL Guarantee

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MODEL 35
200 Kilowatt Hours Per Month

Other Models to 400 Kilowatt Hours per Month. 32 and 110 volts.

NEVER OUT OF ELECTRICITY
With the New 1947 Jacobs System

Lowest electric cost yet never out of electricity—a new 1947 Jacobs development—write for details

It is America's lowest cost farm lighting system. Electric power cost as low as 2c per kilowatt hour including all maintenance and depreciation. Plenty of power for deep freeze units, refrigerators, water systems, milking machines, lights and other appliances. So dependable it carries an **Unconditional Guarantee** against generator burn out, even by lightning, for five years. The greatest guarantee ever placed on any wind electric plant.

Eighteen years of engineering and manufacturing improvement and thousands of plants in world wide service insure the dependability of every Jacobs Wind Electric Plant. Its exclusive Master Mind charging and voltage control, patented flyball governed variable pitch propeller and large, direct drive, slow speed "life time" generator are some of the reasons why no other plants can equal Jacobs Wind Electric's.

"NEVER OUT OF ELECTRICITY"
Jacobs in 1947

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Distributor SALINA, KANSAS

See your JACOBS dealer or write for Free literature to America's oldest Wind Electric Manufacturers

JACOBS WIND ELECTRIC COMPANY, INC.
MINNEAPOLIS 1, MINNESOTA

See Charley Johnson,
Your Host at the
CAPPER BUILDING
on the
KANSAS FREE FAIR
Grounds

MASTER BUCKET ELEVATOR GRAIN LOADER

See it at the
KANSAS FREE FAIR
TOPEKA
Sept. 7-13
and
KANSAS STATE FAIR
Hutchinson
Sept. 15-20

We Will Show Some New Farm Items at These Two Kansas Fairs



Master Manufacturing Co.
1300 E. Ave. A, Hutchinson, Kan.

pany and the Moore's Farm Store of Hutchinson, you will find the latest word in electric pumps and water systems which are guaranteed to remove the worst of household drudgery, if you have to pump water by hand.

And if you detest milking cows by hand, the same companies can supply you with a milking machine designed also to remove a form of drudgery which is purported to have sent many a country boy to town in search of more pleasant employment.

Two Ways to Travel

It would be pretty difficult to find any single phase of manufacturing that deals with your health or happiness that is not represented among the state fair exhibitors. For instance, in travel, there's the Santa Fe, pretty much our own Kansas railroad with a nice exhibit, not to mention T. W. A. which would lure you to leave Kansas in one of its fine planes, whether on business or pleasure.

Then if you persist in driving your car—and you likely will for many moons—Socony-Vacuum, Phillips and other oil companies have the right formulas for your car's best performance.

In looking over the list of companies that will be represented is the Anaconda Copper Company, a concern that is active in aiding agriculture. We refer to the company's manufacture of fertilizer, soon to be an important word in Kansas agriculture.

The Kansas Industrial Commission will have a fine exhibit that is bound to attract a lot of attention. Nearly 90 companies will be represented in that display. The exhibits will give a good cross-section of what Kansas manufacturers are making. Be sure to look in on them.

But the list is too long for individual description. It would be a good idea to read the list below and then look them over in detail when you get to Hutchinson.

Commercial Exhibitors

Adams Hard Facing Co., Wakita, Okla.
Alexander Black Solar Aircraft Company, Des Moines, Ia.
American Zink Institute, New York City, N. Y.
Anaconda Copper Mining Company, Anaconda, Mont.
Carey Salt Company, Hutchinson, Kan.
Chrisman Drafting Laboratory, Manhattan, Kan.
Clark Grave Vault Co., Columbus 1, Ohio.
Cowie, E. S., Electric Co., Wichita, Kan.
Crook Furniture Company, 108 S. Main, Hutchinson, Kan.
Crook Furniture Exchange, Hutchinson, Kan.
Dallman Hand Painted Woodcraft, Pontiac, Mich.
Decker & Mattison, Hutchinson, Kan.
Dekalb Agricultural Association, Inc., Dekalb, Ill.
Dix Petroleum Company, Hutchinson, Kan.
Electrolux Corporation, Wichita, Kan.
Equitable Life Assurance Society, New York, N. Y.
Farrar Machine Shop, Norwich, Kan.
Federal Distributing Co., Wichita, Kan.
Garst & Thomas Hybrid Corn Company, Coon Rapids, Ia.
General Products, Wichita 2, Kan.
Graber Furniture Co., Hutchinson, Kan.
Grimes & Jones Monument Works, Hutchinson, Kan.
Hankins Welding Shop, Hutchinson, Kan.
Harrell Supply Company, Hutchinson, Kan.
Hofer, H. V., Equipment, Hutchinson, Kan.
Hutchinson Butane Co., Hutchinson, Kan.
Isham Furniture Co., Hutchinson, Kan.
Kansas Household Rejuvenating Company, Wichita, Kan.
Kansas Industrial Development Commission, Topeka, Kan.
Kansas Oxygen Company, Hutchinson, Kan.
Kansas Soybean Mills, Inc., Emporia, Kan.
Kerr Glass Manufacturing Company, Sand Springs, Okla.
Kopper Supply Company, Hutchinson, Kan.
Long, S. A., Electric Co., Wichita, Kan.
McPherson Concrete Products Company, McPherson, Kan.
Mid-west Wool Marketing Co-op Association, Kansas City, Mo.
Miller Insulation Co., Hutchinson, Kan.
Moore's Farm Store, Hutchinson, Kan.
Parrott-Hodnett, 101 W. 1st, Hutchinson, Kan.
Phillips Petroleum Company, Wichita, Kan.
Polaris Sales Company, Wichita, Kan.
Rite-Way Products Company, Oklahoma City, Okla.
Santa Fe R. R., Topeka, Kan.
Socony-Vacuum Oil Co., Kansas City, Mo.
Sutton Craddock Motor Company, Hutchinson, Kan.
Tool Distributing Company, Denver, Colo.
Transcontinental & Western Air, Inc., Kansas City, Mo.
Universal Motor Oil Co., Wichita, Kan.
Wayne Stewart Tire & Supply Company, Hutchinson, Kan.
Western Brake Service, Hutchinson, Kan.
Wichita Wilbert Vault Co., Wichita, Kan.
Winchester Appliance Store, Hutchinson, Kan.
Yeastex Company, Sterling, Kan.

DODSON RED AND WHITE TOP SILO



TOMORROW'S INCOME INSURANCE

The owners of "Red & White Top" silos have eliminated guesswork from feeding costs, therefore stabilizing income as well. A Dodson silo full of low cost silage and feed worries are over.

Dodson "Red & White Tops" are helping farmers throughout the southwest to realize a greater profit from the farm, regardless of drought or cattle prices. Write for literature on silos, farm buildings, water tanks and Blizzard ensilage cutter and hay chopper.

FARMERS—The Dodson selling agency for "Red & White Top" Silos and Dodstone Farm Buildings may be open in your territory. Why not write for details.

Dodson Features include treated wood doors—acid resistant. Rich-strength concrete staves uniformly made with Vibra-Tamp process.

DODSON MANUFACTURING CO., INC.
PLANTS AT WICHITA AND CONCORDIA, KANS.
1463 BARWISE - WICHITA 2, KANSAS

KANSAS STATE FAIR

See
THE NEWEST DEVELOPMENTS IN

SURGE DAIRY EQUIPMENT
FARM ELECTRICAL SYSTEMS
WATER HEATERS
WATER SYSTEMS
FARM FREEZERS
DELCO HEAT WELDERS

Plus a Full Line of Farm Appliances at Our Display in the Automobile Building at the Kansas State Fair

General Products
157-159 NORTH EMPORIA WICHITA, KANSAS

110 OR 32 VOLT APPLIANCES

Factory Distributors—Delco and Diesel Light Plants, Batteries, Wind Generators, Water Systems, Milkers, Separators, Dairy Supplies, Parts

Don't let winter mud bog down food production!



Pave your
barnyard *now*
with
CONCRETE

Now is the time to get ready for winter and spring by building a concrete pavement in your barnyard or feed lot. Such work cannot be done when the ground is deep in mud. Planned and built now, it will begin at once to help you save feed and manure, reduce labor, increase beef, pork and dairy production.

Construction is simple. The portland cement, sand and gravel or crushed stone required are usually available locally. If you need help, get in touch with your concrete contractor or building material dealer.

As part of its service to farmers, this Association will gladly send free instructions on how to build concrete farm pavements. Just paste coupon on penny postcard.

PORTLAND CEMENT ASSOCIATION

Dept. G9a-2, Dierks Bldg., Kansas City 6, Mo.

I am interested in paving my feed lot or barnyard before winter. Please send free instructions for building concrete pavement.

Name.....

Street or R. R. No.....

City.....State.....

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Doerr Steel Products

Will again be on display at The Kansas State Fair at Hutchinson, Kansas, September 15-20. Here you will see Doerr Fuel Storage Tanks, Stock Tanks, Water Storage Tanks, Pneumatic Tanks, Doerr Master Septic Tanks, Doerr Gravel Guard Irrigation Casing, Irrigation Pumps, Water Systems and many other farm equipment items on display.

DOERR PRODUCTS

Are sold through Dealers throughout the territory.

A. A. Doerr Mercantile Co.
Larned, Kansas
Phone 700

Big Feeder Show

A huge show and sale of feeder cattle will be held at the Chicago Stock Yards, Monday and Tuesday, October 28 and 29. Introduced last year, the initial Chicago Feeder Cattle Show was the largest of the year anywhere in the country.

Awards totaling \$6,000 have been announced for the 1946 show. Sponsors are the Union Stock Yard and Transit company. Awards are provided by the show management and by Aberdeen-Angus, Hereford and Shorthorn breed associations. They will be distributed over 4 classes consisting of yearling steers and calves and yearling heifers and calves.

Cattle will be judged in carlot units of 20 head to a car. A \$750 cash award will go to the exhibitor of the grand champion carload.

There Is a Reason

Explaining why farmers should not "plant back" their hybrid corn, the U. S. Department of Agriculture points out the following:

All plants in a field of hybrid corn of a given strain are related to each other. The relationship is fully as close as that between first cousins.

Seed coming from such a field therefore is definitely inbred. Reduction in vigor and grain yield always is associated with inbreeding in corn.

Repeated tests at many experiment stations and by farmers in their own fields have shown that the average reduction in yield from planting second-generation seed of a double-cross corn is about 15 per cent.

Meat Will Be Scarce

Kansas stockmen indicated only 40 per cent as many cattle on feed August 1 as a year earlier, reports the Kansas State Board of Agriculture. The 60 per cent decline from a year ago is the sharpest change ever shown for August.

Small stocks of corn on hand, declining pasture conditions and corn prospects during July, plus the price situation, all contributed to reduction in numbers on feed.

The number of cattle on feed for market in 11 Corn Belt states on August 1 was 45 per cent smaller than a year ago.

Arthur Adams Honored

Cattle on the Arthur Adams farm in Wabaunsee county, harvested 850 acres of brome grass. This method, Mr. Adams believes, saves a lot of unnecessary work in harvesting, and brome gives as great a net return as corn and wheat and helps counteract soil erosion. Seed from brome has brought \$55 an acre and provided \$10 to \$15 worth of fall and winter grazing. The Adams farm produced in 1945, 150,000 pounds of beef and field crops, including 5,000 bushels of corn, 4,000 tons of alfalfa and brome grass, 35,000 pounds of

seed, and 400 tons of hay. Mr. Adams, in partnership with 2 brothers, Howard and Warner Adams, own and operate a 3,858-acre ranch. Arthur Adams was honored with the W. G. Skelly Award for Superior Achievement in Agriculture, Saturday, August 31. Mrs. Arthur Adams has had an important part in this model farming enterprise.

More Feed in Sight

The livestock feed situation has taken a turn for the better, states the U. S. Department of Agriculture.

Favorable growing conditions during July increased prospective feed supplies more than 5 million tons. Improvement shown during July by corn, oats, and barley promises the most liberal feed supply per animal unit in history despite the comparatively small crop of sorghums and small carryover stocks.

If current estimates are realized, feed grain supplies for 1946-47 will amount to more than 140 million tons. This is nearly 6 per cent more than the 1945-46 supply and 23 per cent above the 10-year average.

Poultry Hits the Skids

Production of baby chicks by commercial hatcheries in Kansas during July was estimated at 142,000 chicks, or only 10 per cent of the 1,385,000 chicks hatched in July, 1945, announces the Kansas State Board of Agriculture. Production for the first 7 months of 1946 was 18 per cent less than in 1945.

Egg production in Kansas during July was estimated at 150 million eggs, a 24 per cent decline from June and 17 per cent less than for July, 1945. The number of layers on Kansas farms during July was 10.5 per cent less than for July, 1945.

Trench Silo Saves Corn

Dry weather damaged most of the corn in Southern Kansas this year. But S. C. Shields, Cowley county, saved his with a new trench silo. About 10 years ago, he dug a trench silo 135 feet long. When he saw the corn crop would not mature this year he made another trench. It is 100 feet long and 16 feet wide. Built in a hillside, it will drain even tho it is 7 to 8 feet deep.

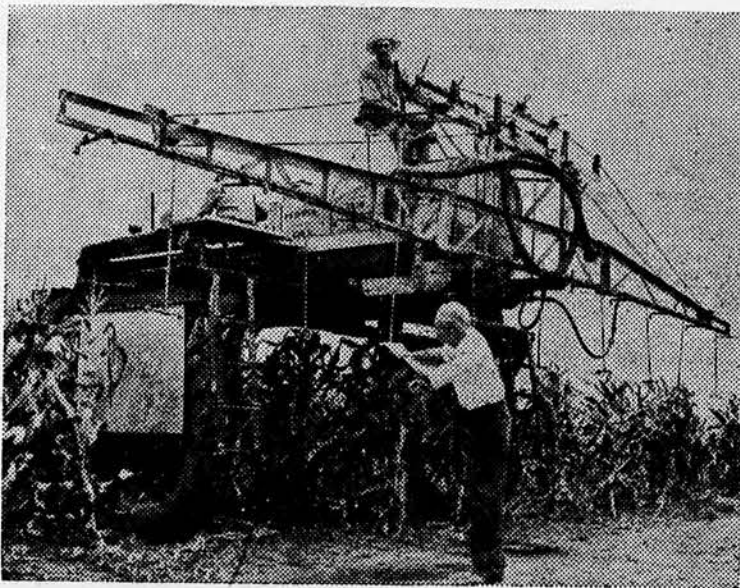
Mr. Shields had 150 acres of corn planted. He saved the crop with 2 trenches.

There is a clay subsoil on his farm. He has had very little maintenance work on his first silo even tho it was not lined.

Will Not Tear

Before putting the tacks in to hold a piece of shelf paper in place, put a small triangular piece of adhesive tape over each piece to be tacked. This will reinforce the paper and keep it from tearing and curling.—Mrs. L. W.

After the Corn Borer



Lester Pfister, hybrid seed corn grower, of El Paso, Ill., checks the special tractor rig he adapted for spraying cornfields with Syndeet to control corn borer. Syndeet, which contains DDT and a new insecticide, was developed by United States Rubber Company. First experiments conducted this summer in the Midwest have proved the spray effective for controlling the insect which damages thousands of acres of corn yearly. Covering 10 rows at one time, the special tractor rig sprays 30 acres an hour and will clear corn as high as 8 feet.

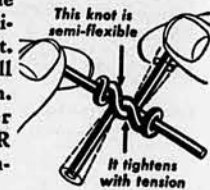
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FENCE WITH THE
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Continental PIONEER fence has extra strength to resist hinging, buckling or bending of the stay wires. It can "give" slightly with the crowding of livestock, then come back straight. No other fence has the famous, semi-flexible PIONEER knot. It's good fence all the way through. Made of copper steel. See PIONEER fence at your Continental dealer's.



FREE Grassland Farming Manual—All about a promising new farming system. Tells how to have better pastures, conserve soil fertility, grow livestock more efficiently. 40 illustrated pages. Write today to Continental Steel Corp., Kokomo, Indiana.

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SOMETHING NEW for your
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Makes Your Tractor Steer Like New

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Comes completely assembled ready to install on your regular Farmall Tractor by removing open type gears and inserting ACME Enclosed Worm steering assembly. Safer to hands and arms. Write for complete details. Satisfaction guaranteed. Write for Free Catalog



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TRACTORS

Loads MANURE, GRAIN, SAND, GRAVEL,
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Simple and easy to operate. Loads 2 loads per minute; lifts full load to height of 8 feet; quickly attached or detached without altering tractor; operates from tractor seat; assures Clear Vision at all times... saves work of many men. Your first cost is the last cost. Sweep rake and Haystacker attachments available for IMMEDIATE DELIVERY.

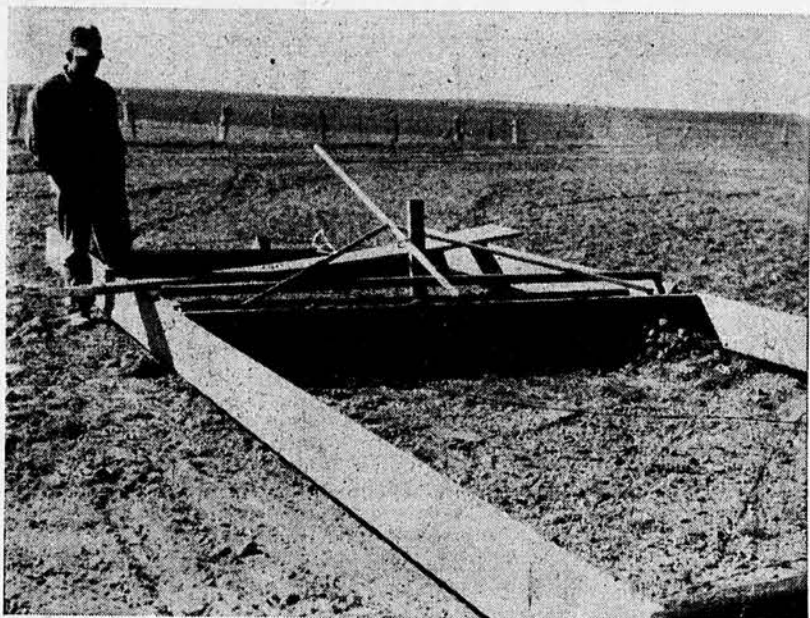
See the Ottawa Loader at
KANSAS FREE FAIR
Topeka, September 7-13
KANSAS STATE FAIR
Hutchinson, September 15-20

See your Dealer or write
OTTAWA STEEL PRODUCTS
Dept. KF, Ottawa, Kansas

FREE
Illustrated
folder on
request.

Headed for Cattle Feeding

Will Irrigate Sorghums and Alfalfa



This homemade plane is used by Tom Davidson, Hodgeman county, to prepare his land for irrigation. See story for details on construction.

STARTING from scratch, Tom Davidson, young Hodgeman county farmer, is trying to build up a farm that will support a large cattle-feeding program.

Doing most of the work himself, Mr. Davidson remodeled and modernized a small home for his family. The house is fully equipped with electricity, fluorescent lights, electric refrigerator, a water system, and gas for cooking and hot water.

Right now Mr. Davidson is leveling land for irrigating sorghums. Later he hopes to prepare 150 acres for alfalfa under irrigation. He is using a landplane he built on the farm. This landplane is 10 feet wide by 24 feet long. The sides are 2 by 12's mounted on tin runners. Front and back bars are 2 by 12's fixed at a 45-degree angle and faced with tin. The slope on these probably should be more than 45 degrees, thinks Mr. Davidson.

The float, or center bar, is made of 2 by 12's that slide perpendicularly in a groove formed by using channel irons on the side bars. Height of the float is regulated by a handle made of pipe. This handle can be attached in any position to an anchor post containing holes up the side for putting in pegs.

One of the largest trench silos in the county can be found on the Davidson farm. It is 19 feet deep, 17 feet wide at the top and 12 feet at the bottom, and extends into a creek bank 164 feet. It is rated at 600 tons and conveniently opens directly onto the feed lot, which is well sheltered by trees and the creek banks.

The cattle program consists of buying plain cattle in the fall, and selling them in the spring after they are wintered on silage plus a limited amount of grain.

To insure his irrigation program, Mr. Davidson has constructed a rock dam across Pawnee creek. This dam is

13 feet high and will impound water for 9,000 feet above the dam, giving him 10 feet of water at his irrigation pumping station.

There still are lots of things to be done on the Davidson farm, but the present owner has been on the place only a year and a half. He hopes in time to make it one of the high-producing farms of the area.

Two Plans Fit

A double-barreled farming program is being worked out by Charles Novotny, of Pratt county. He first of all is trying to conserve his soil, and also to work out a satisfactory temporary pasture program for his dairy herd. Fortunately, the 2 plans fit together for improving productivity of the farm.

A total of 300 acres already has been terraced and another 80 acres will be terraced this year. For temporary pasture, Mr. Novotny is seeding 17 acres of sweet clover to supplement 18 acres already in Sudan.

Altho he believes in summer-fallowing, Mr. Novotny is experimenting now with cowpeas planted on the contour and in rotation with wheat as a substitute for summer-fallowing. He believes the cowpeas will build up the nitrogen content of the soil.

The foundation already is completed for a new loafing shed for the Novotny cattle. It will be 26- by 60-feet and located conveniently to the milk barn.

Real Sheep Man

John Overmiller, 16-year-old son of Mr. and Mrs. Willis Overmiller, of Smith county, is well on his way to become a first-class sheep man.

Four years ago, John bought 10 ewes. He now has 68 head of ewes and lost only 1 lamb this year. His lambs 2 years ago topped the market.



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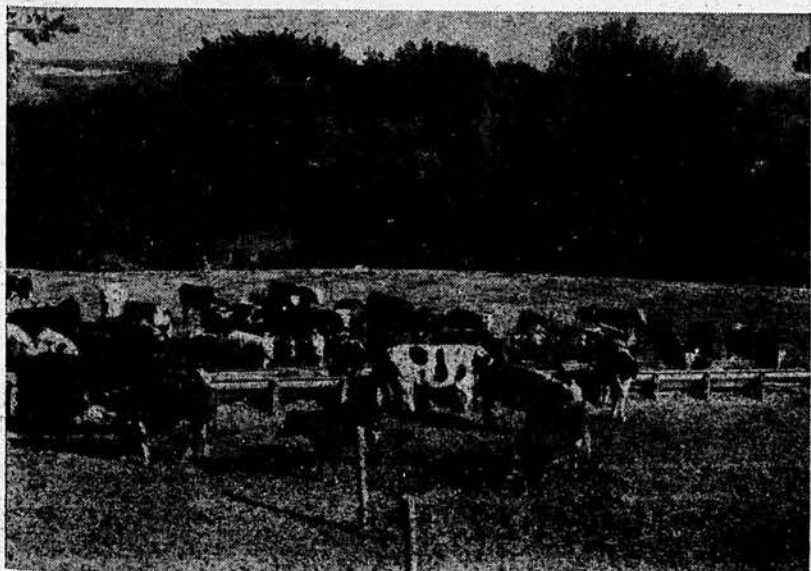
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Cattle on the Davidson farm are wintered on roughage and a little grain. Silage is stored in a 600-ton trench silo adjoining this feed lot.

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THIS year, with a national feed shortage looming, every bushel of grain and every ton of roughage must be made to produce its maximum feeding return.

By processing your home-grown feeds with a John Deere Feed Mill, you can eliminate manger and feed lot waste—make your feeds go farther—produce more milk—more meat.

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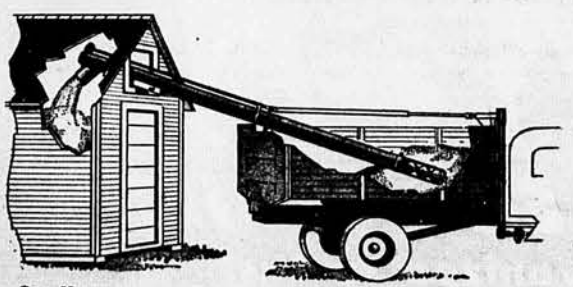


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Plenty of Hard Knocks

But Stephenson Wouldn't Be Downed



Mr. and Mrs. Stephenson pause outside their new milkhouse, which now saves them a lot of hard work. The city of Downs is supplied with wholesome milk from this farm.

IT NEVER pays to give up," says John Stephenson, of Osborne county. He ought to know. He has gone thru plenty of hard knocks in establishing and maintaining the only purebred Ayrshire dairy herd in the county.

Mr. Stephenson started his dairy enterprise back in 1917 with 2 heifers and a bull from Ferndale Farm, Ladysmith, Wis. His father was opposed to the project and it looked like "father was right," because in the first 6 years 18 out of 21 calves turned out to be bull calves. With no other herds in the county there was no sale for the calves, and after 6 years of effort the project was just about where it started.

Things took a little turn for the better after that and Mr. Stephenson was "on his way" when Bang's disease struck the herd in 1929 and 1930 and set him back again.

Even this did not discourage him. By 1934 he had built his herd up to 155 head. Then came the drouths, and every cattleman knows what happened next. There was no feed available anywhere and Mr. Stephenson had to sell most of his herd. The Government bought 31 head at \$11 each, and the best registered cows sold for only \$17 apiece.

Demand for Breeding Stock

That was a heartbreaking experience and taught Mr. Stephenson not to expand his herd to such numbers again. He now has the herd stabilized at 48 to 50 head and has worked up a good demand for his breeding stock. During 1945 he received inquiries from 6 or 7 states, including Florida and Oregon. During the year he sold 34 head for a total of \$3,600 and his milk and cream checks brought in another \$6,000.

Several years ago he sold a bred heifer to Gerald Hall, a 4-H Club boy of Elmwood, Neb. The daughter of this heifer later went on to win 5 straight championships in 4-H and 2 in open competition at the Nebraska State Fair. She was the only cow ever to win that many times.

Incidents like that, plus the \$9,600 income from his cows last year, have convinced Mr. Stephenson that perseverance pays.

Most men would have been content just to build a fine dairy herd, but not Mr. Stephenson. He has 56 head of purebred Hampshire sheep, 124 head of purebred Hampshire hogs, and a certified laying flock of 100 White Wyandotte hens that dates back to 1913. "I just find a lot of satisfaction in working with purebred livestock and the

best quality in poultry," says Mr. Stephenson. All breeds on the farm were chosen for beauty and economy, he recalls.

Mr. Stephenson got into the purebred hog and sheep business thru buying animals as 4-H projects for his 3 children. He paid \$90 for his first 2 ewes, he remembers.

There may be other farmers in Kansas raising purebred dairy cattle, purebred sheep and hogs, and certified chickens all at the same time, but Mr. Stephenson still doesn't stop there. He carries his mania "for the best" over to crops, too. He has planted pure or certified seeds ever since 1920 and has



The purebred Hampshire ewes on the Stephenson farm are sheared right after lambing and kept indoors if weather is bad. They eat more and give more milk if shorn after lambing, says Mr. Stephenson.

been producing certified seeds for the last 10 years. In 1945 he produced certified Neosho oats, Comanche wheat and Midland sorghums.

All of this has been done on a farm that was purchased at the first World War's inflated prices, and on a farm that didn't have enough water when he bought it to support any livestock.

Finding water for his livestock program was one of the big early hurdles in the Stephenson venture. He finally hired a "water witch" who located several small veins. By digging his wells deep enough and making them wide enough to serve as reservoirs, he conserved and stored every drop of water that seeped into his wells. He also utilized cisterns. Now there is plenty of water for his home and all the livestock.

Several years ago Mr. Stephenson designed a space and laborsaving maternity barn that is one of the best we have seen. Rectangular in shape, it has a row of maternity pens around 3 outside walls and a group of 4 pens in the center. Over the center pens he built a storage room for feeds at truck-bed level. Two 9-foot driveways on each side of the center pens can be



Mr. Stephenson had a difficult time establishing this herd of fine Ayrshires, but the cattle have paid off over the years. The loading shed in the background is equipped with a concrete floor.

used for unloading feed, loading animals, or as storage. A small space in one corner for equipment is heated by a stove and sits over a cistern that stores all water running off the barn. Water is pumped up into the building from this cistern for handy watering of the stock.

North and east sides of the barn have doors opening out onto a series of exercise pens. Just west of the barn is a 24- by 30-foot concrete feeding floor, flanked by a dipping vat constructed last year. To conserve space, the dipping vat is of the elevator type. It consists of a heavy crate that is raised and lowered in the vat by a

power takeoff from the tractor. Last spring 150 head of cattle, sheep and hogs were treated in this vat.

For years the Stephenson milk barn was across the road from the house and all milk had to be carried at least 100 yards. Now the barn and a modern milkhouse are near the home. This has been one of the biggest labor savers adopted on the farm, says Mr. Stephenson.

It has been a long, hard struggle, but the Stephensons have improved their farm, have a modern home, and crops and livestock that would be a credit to any farm in the state. No sir, it never pays to give up.

Good Crops Today, Fertile Soil Tomorrow

PROFITABLE crops today and fertile soil for tomorrow. That is the result of the farming practices used by S. E. McMillen and son, Ralph, on thin upland soil in Neosho county.

The backbone of this farming structure is legumes. The McMillens use red clover for both seed and hay. Sweet clover, too, holds an important place in their rotation.

Last year they sold 7,300 pounds of red clover seed besides getting 2 tons of hay an acre. Two years ago they harvested 48 bushels of red clover seed from 10 acres. Both crops were given a boost with 200 pounds of 20 per cent phosphate an acre. Wheat followed sweet clover last year in upland soil and made 31 bushels an acre. The test was 62 pounds.

The McMillen cattle program is put

on a profitable basis by using a variety of pastures that shorten feeding periods to a bare minimum. Besides the native pasture, these cattle find early spring and late fall grazing on lush brome grass. The brome also produced 2 tons of hay and 500 pounds of seed last year. It was fortified with 200 pounds of ammonium nitrate an acre. Another legume, lespedeza, practically grows wild on the McMillen acres. It, too, fits into both the grazing and haying programs.

Terraces complete the McMillen protective program. They help keep the soil on the McMillen farm and not downstream. The first terrace on the farm was built in 1926. The county agent claims it is the first terrace built south of the Kaw river, Mr. McMillen reports. They maintain it each year.

Use Sweet Clover For Higher Yields

A NUMBER of farmers in Harper county are looking to higher yields thru systematic sweet clover rotation. There are 6,000 to 7,000 acres in sweet clover this year. Much of this area is included in 6-year rotation plans.

There is a concentration of sweet clover work east of Anthony. Among the outstanding users are Henry Schmidt and Henry Duwe, of Freeport; Herb Schmidt, Ed Schmidt, and Paul Nye, Bluff City.

Sweet clover has been grown as a soil builder in this area for a number of years. Its effect has been noticeable. Mr. Nye says there is a 20-acre patch on his farm that has never been in legume. The yields from this acreage are low in comparison with other fields, he reports.

Noticing a substantial difference in

yields, these farmers now are following a clover rotation designed to cover the acreage in 6 years. It includes new seeding of clover each year. They have found that sweet clover can be seeded alone successfully, but there always is a danger of soil blowing in the spring. For that reason, oats has become quite general as a cover crop.

They have tried cross-seeding and broadcasting after the oats was sown. But the new way, drilling every other row, is preferred. They pull 2 drills of the same size. Oats is seeded in every other row with the front drill. The sweet clover is seeded with the second drill in the alternate rows.

Sweet clover needs sunshine to grow right, Mr. Nye says. In his opinion, seeding in alternate rows assures good clover. At the same time oats yields run from 20 to 40 bushels, he adds.

It All Started With a 4-H Calf

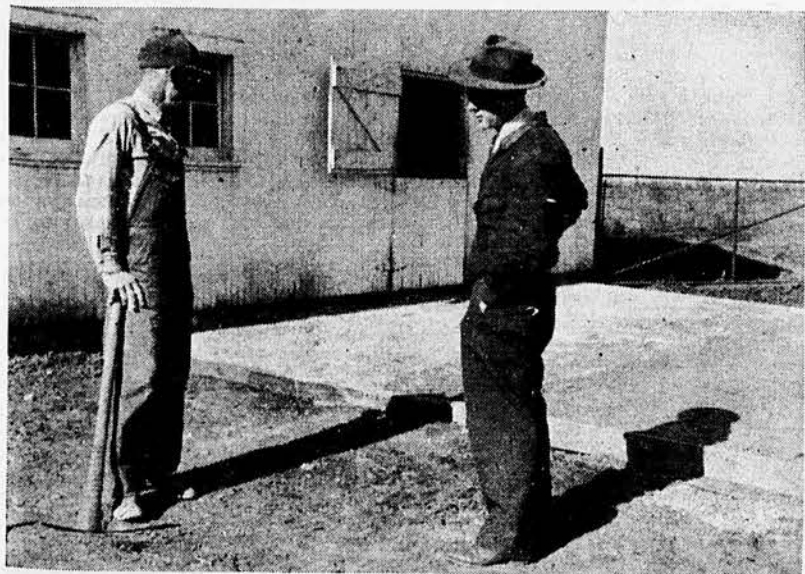
WHEN Roy Neher, of Labette county, bought a purebred dairy calf as a 4-H project for his son, he didn't know it would lead him into the dairy business. But it did.

One calf led to another and the Neher family now is milking 9 cows, has a new dairy barn, is planning a modern bull pen for the new \$250 bull, and is installing a concrete slab to keep the cows out of the mud. Whole milk is marketed thru local distribu-

tors at Oswego and the Co-op Creamery at Erie.

Pasture is utilized to the utmost as the Neher farm is small. Mr. Neher has 35 acres of permanent pasture, 17 acres of alfalfa, 35 acres of lespedeza. Temporary pastures are in 3 fields and are alternately grazed. Some rye grass is planned soon to expand the season.

Other feed includes alfalfa and prairie hay with corn chop, ground oats and soybean meal.



Roy Neher, left, and Maurice Wyckoff, former county agent, discuss a new concrete slab laid in the Neher barnlot to keep his fine dairy herd out of the mud.

Three men and a boy ...

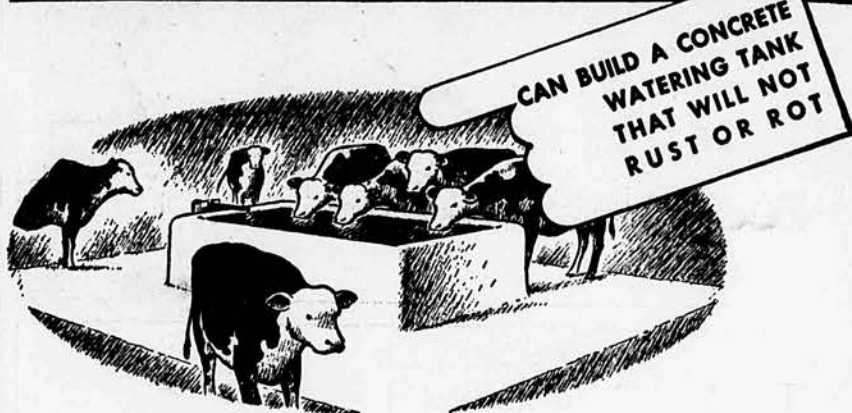
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complicated by, or confused with a blackleg-like disease known as malignant edema. Where this condition exists, the preventive agent to use is Parke-Davis Clostridium Chauvei-Septicus Bacterin. This double-purpose vaccine protects calves against both ordinary blackleg and malignant edema . . . it should be used wherever both diseases occur.



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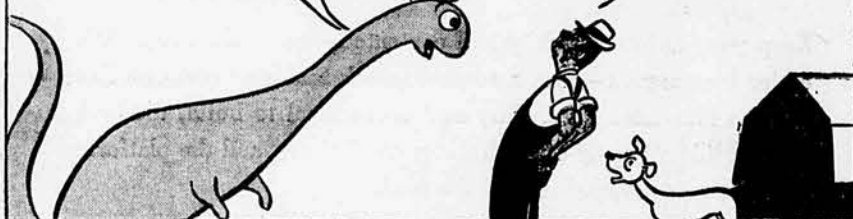
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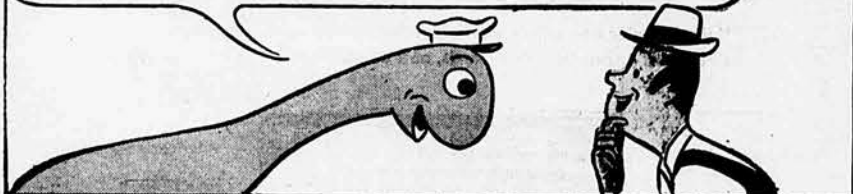


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Resubmission Takes Time

By CLIF STRATTON

ALTHO one might not believe it if he listens to the campaign oratory—and that's all a lot of it is—this year, Kansas is bound to have at least 2 years to decide whether it wants to repeal or modify the prohibitory amendment to the State Constitution.

The Constitution is very explicit as to the submission and action on amendments to the Constitution. The men who wrote the Constitution did not believe in changing the basis of government every time a smart candidate for office, or a bright reformer, got a new idea. So they tried to insure that any change in the Constitution should have careful consideration.

Article 14 of the State Constitution, dealing with amendments, reads:

1. Proposal of amendments; publication; election. Proposition for the amendment of this Constitution may be made by either branch of the legislature; and if two-thirds of all the members elected to each house shall concur therein, such proposed amendments, together with the yeas and nays, shall be entered on the journal; and the secretary of state shall cause the same to be published in at least one newspaper in each county in the state where a newspaper is published, for three months preceding the next election for representatives, at which time the same shall be submitted to the electors, for their approval or rejection; and if a majority of the electors voting on said amendments, the same shall become a part of the Constitution. When more than one amendment shall be submitted at the same time, they shall be so submitted as to enable the electors to vote on each amendment separately; and not more than three propositions to amend shall be submitted at the same election.

It will be noted that the men who wrote the Kansas Constitution did everything they could think of to insure that while the electors of the state have full power to change it by majority vote, amendments should have every opportunity for full study and fair consideration before being finally voted upon.

Majority Not Enough

A mere majority of the state House and the state Senate cannot submit an amendment. It takes a two thirds vote in each branch of the legislature; and that means two thirds of all the members elected to each house, not just two thirds of those present and/or voting. This means that 84 of the full strength of the House (125), and 27 of the full elected membership of the Senate (40) must vote yea (aye) on the roll call, to submit any amendment.

Submission of an amendment is entirely a legislative matter; the governor has nothing to do with it. The legislature votes to submit an amendment. The secretary of state is responsible that the electors are notified, thru publication in every county where there is a newspaper; also, that the amendment is properly printed on the ballots.

The provision that the amendment shall be submitted to the electors (people qualified to vote) at the next election where state representatives are elected, means that amendments can be voted upon only at the general elections held the first Tuesday following the first Monday in even-numbered years. Also, it is required that a majority of all votes cast in that election (not just a majority of those cast on the amendment) are necessary to ratify an amendment. If 800,000 votes were cast, more than 400,000 would be necessary for ratification.

Since Kansas became a state (1861), the legislature has submitted 59 amendments to the electors, including 2 bond issues for veterans compensation. Of the 58 that have been voted upon, 36 have been adopted, including the bonus for World War veterans in 1921. Twenty-two have been rejected, including a bonus for Spanish-American and Civil War veterans in 1923.

The 59th amendment submitted, to authorize the legislature itself to fill vacancies instead of requiring special elections in legislative districts, is to be voted upon next November 5.

The Prohibition amendment to the Constitution has been passed upon twice by the voters. In 1880, it was adopted by a vote of 92,302 for and 84,304 against. Resubmitted in 1934, the prohibitory amendment was retained in its 1880 form by a vote of 436,688 to 347,644.

How Constitution Reads

The present prohibitory amendment, article 15 of section 10 of the Constitution, reads as follows:

"The manufacture and sale of intoxicating liquors shall be forever prohibited in this state, except for medical, scientific and medicinal purposes."

The proposed amendment submitted by the 1933 legislature, rejected by the electors in 1934, would have substituted the following language:

"The legislature may license and regulate the manufacture, sale, possession and transportation of all liquor having any alcoholic content, and may impose special taxes on all malt, vinous and spirituous liquors, and may provide for the prohibition of such liquors in special areas."

Following the rejection of the foregoing substitute, thereby retaining the original prohibitory amendment, the legislature enacted a statute declaring beverages containing more than 3.2 per cent of alcohol to be intoxicating in the meaning of the Constitution, thereby legalizing the sale of 3.2 beer.

Backing former Governor Harry H. Woodring, who is running for governor this year on the "wet" issue, the Democratic party platform calls for repeal of the prohibitory amendment; and for state owned and operated liquor stores to sell packaged liquors on a permit system; county option and a promise of law enforcement in dry counties—altho the appeal for repeal is made on the proposition that dry (prohibitory) laws are not and cannot be enforced.

The Republican party platform recommends that the legislature submit the prohibitory amendment for a fresh vote by the people, but declares also that the issue is not a partisan one, thereby relieving party candidates for the legislature from any party obligation to support resubmission, leaving the matter to their own consciences and the desires of their constituents. Representative Frank Carlson, of Concordia, the Republican nominee, declares that he is dry, will vote against repeal if the matter is submitted, but affirms the party position that the people are entitled to express themselves again on the question.

Ready for Hunting



Here is a new type inflatable boat, having construction features developed in the manufacture of life rafts that saved the lives of thousands of Allied fliers in World War II. Of synthetic rubber-coated nylon fabric, the boat is 40 per cent lighter and many times stronger than any previous boat of similar size. A Goodyear product, it is handy for hunting.

From a Marketing Viewpoint

By George Montgomery, Feed Grains, Poultry and Eggs, and Dairy; C. P. Wilson, Livestock.

Will the recently announced ceilings for livestock tend to support higher feed grains or will it mean lower prices for corn?—N. S.

If you take present cash prices of corn as the starting point, lower prices are indicated. If you take Chicago quotations of corn for January delivery, which have been around \$1.30 to \$1.35, as an indication of the level of prices for new crop corn, the ceilings for cattle and hogs at \$20.25 and \$16.25 will lend support to corn prices at a higher level.

Quotations on wheat futures have been lower. Does this mean lower wheat prices later?—R. G.

Not necessarily. Wheat futures have been influenced by the stock market, the general world situation, and hedging pressure from grain which was purchased during July and early August. Cash wheat prices are being determined by actual supply and demand conditions. Movement of wheat from farms during the next few months will be small, there are limited stocks of wheat in terminal markets, and the Government will need to purchase larger quantities of wheat for the September allotments for export. These factors indicate stronger wheat prices.

Is the outlook favorable for breeding some gilts for early spring pigs?—L. S.

Breeding for early spring pigs to have on the market in August and September of 1947, appears to be a favorable program. There will not be a burdensome supply of hogs at that time. Price controls will have expired and demand is expected to be strong. Prices may not be as high as the peaks of August this year, but probably will be well above the present price ceilings. The large new corn crop should provide ample feed supplies at reasonable price.

I have 15 head of fall calves, corn, roughage and protein. Should I feed for a late fall market, sell as stockers next spring, sell from grass next summer, or feed for a fall market next year?—R. J.

In general, feeding calves for market between now and the end of the year is unfavorable. Price ceilings will

likely be most effective and most rigidly enforced during this period. Demand for stockers to go on grass will be strong next spring and prices probably will be good at that time. Next summer and fall prices presumably will be permanently free of controls. Present conditions indicate continued strong demand until that time. Prices may not be as high as the extreme peaks this summer but should be higher than allowed under the ceilings. It would seem best to winter your calves and size up the situation again next spring to decide where to go from there.

Teacher Shortage

Kansas schools probably will face a teacher shortage this fall of about 1,300, according to Dr. Paul Murphy, of Pittsburg, chairman of a committee on recruiting and training teachers.

Rural schools and those in the smaller towns are hardest hit, he says. As of July 15, there were 1,629 vacancies in the rural and small town schools with little chance many would be filled.

Creek Water Saves Corn

Rain or no rain, Perry Brazel usually raises some corn on his Cowley county farm. Water pumped from nearby Grouse creek does the trick.

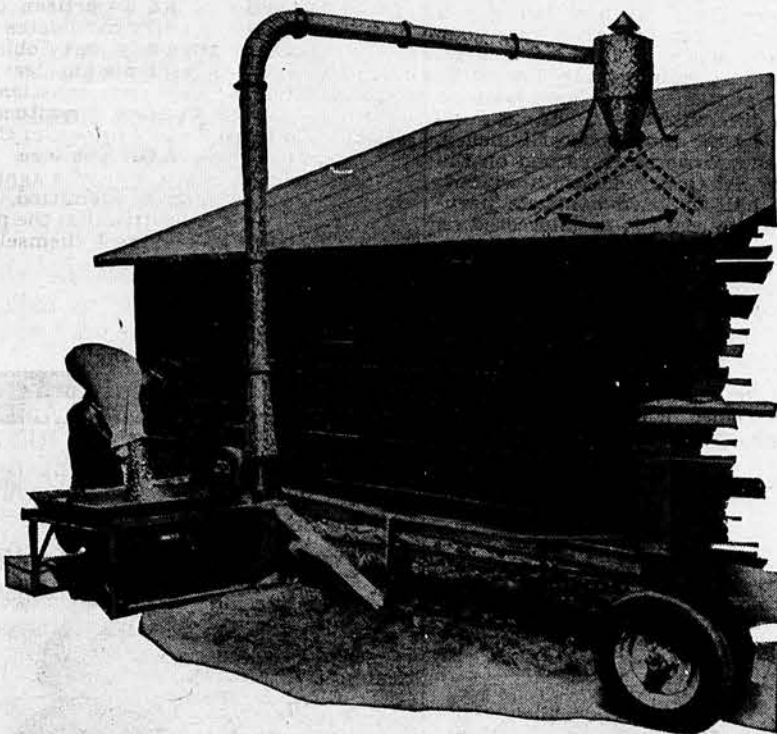
Last year Mr. Brazel had 65 acres of corn. It made 50 bushels to the acre. It was extremely dry in Cowley county this year. Most corn was burned crisp. But fair-sized ears formed on 40 acres of corn that Mr. Brazel irrigated. The field was flooded the second week in July. It took 6 days and nights of steady pumping.

Clover Ground Was Best

C. Dwight Hayter, Harper county, is sowing 50 acres of sweet clover each year on his farm. It will be sufficient to cover his cropland in 7 years. Here is his reason: Sweet clover ground this year produced 38 bushels of wheat to the acre. His over-all average was 23 bushels on 400 acres.

He used oats as a cover crop for his sweet clover this year. His best stand of clover was on the turns where he did not drill out the corners with oats. He has decided clover needs more room and light. Mr. Hayter says he plans to drill alternate rows of oats and clover next year.

Gets Rid of the Dust



IF YOU have ever experienced the discomforts from the choking dust present in grains and dry forage, here's good news. A cyclone attachment available for grain and forage blowers keeps the air fresh and clean. The cyclone mounted on the roof at the head of the blower pipe separates the dust from the grain before it can enter the bin. Not only does it make

work more comfortable, but the clean grain is in better condition for keeping. Clean grain is delivered in any desired direction thru a flexible swivel spout. The cyclone is easy to install. Made of rust-resisting galvanized metal, it can be left permanently in its outdoor position by capping with a ventilator cover. It fits old or new blowers.

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The new type of agitators is an exclusive Stahmer Feature. The special auger type disc is built into improved revolving agitators. They keep the hopper bottom clean and force fertilizer out of the openings... pulverize lumps and spread uniformly. Quickly regulated, the Stahmer distributes from about 100 to 8000 lbs. per acre and spreads an 8-foot width of fertilizer only 6 inches from the ground.

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Owners of livestock who are responsible for cuts and bruises may think someone else takes the loss—but they are largely mistaken. Packers have to reflect such losses in the prices they offer for livestock, so the producer ultimately pays the bill.

Nature may be pretty tough in applying its "Survival of the fittest" law, but it certainly punishes cruelty against its living creatures.

Albert J. ...
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Apples Will Be Profitable

By JAMES SENTER BRAZELTON

FOLKS in Kansas and Missouri should not go apple hungry this fall and winter. With the big crops about to be harvested in these 2 states there should be enough for everyone. In Kansas the crop is about double what it was in 1945, while in Missouri it is only slightly larger than last year and is not considered a normal crop. However, quality is the best in years, use of DDT in the spray probably getting credit for this.

In Kansas orchards, due to a light set in the spring, apples are attaining a large size. This will make the volume harvested much more than was at first anticipated. Picking of the Jonathans this year will begin much earlier than usual. To guard against pre-harvest drop, as so often happens, growers are spraying their orchards with hormone sprays to make the fruit stick.

George W. Kinkead, secretary of the Kansas State Horticultural Society, recently toured the state looking over the apple situation. He points out that the heavy apple-producing areas in the state are the Missouri river counties, Doniphan, Atchison, Leavenworth and Wyandotte; the Kaw Valley; the Arkansas river valley and Southeast Kansas.

In Missouri, in the section around St. Joseph, a larger volume than last year is expected and the quality is good. Jonathan harvest in South Missouri began about August 15. In Central Missouri they are expecting a lighter crop than last year. In the Missouri river area east of Kansas City the harvest will be larger than in 1945 but less than a normal crop. Apple areas along the Mississippi river will produce more and better apples than last year.

According to the August crop report, total apple crop for the nation is expected to be 111,728,000 bushels. With consumer demand and buying power favorable, everyone in the apple game is looking forward to a very profitable season.

In the Pacific Northwest the state of Washington is expected to produce more than a fourth of the nation's apple crop. In Oregon prospects are favorable for a crop estimated at 3,159,-

000 bushels. In 1945 California produced 10,506,000 bushels, but this year the yield is expected to be only 7,236,000 bushels. The 4 Appalachian states of Virginia, West Virginia, Pennsylvania and Maryland are expected to produce between one fifth and one fourth of the nation's crop.

The New York state crop is 5 times as large as last year's near failure, but still 27 per cent below the 10-year average. The New England crop will be nearly 3 times as large as last year's but will be 37 per cent below the 10-year average. The Michigan crop promises to be 5 or 6 times larger than a year ago. In Illinois the crop is about a third larger than last year and above the average. Arkansas expects between 500,000 and 600,000 bushels this year.

Here in Doniphan county a wide variety of apples will be harvested this fall. The Transparent and Duchess were sent to market some weeks ago and the Wealthies also have been harvested. A block of 400 Wealthy trees set out by the late Frank Kotch bore a total of 6,000 bushels of high-quality apples this year.

Following the Jonathans which will be picked soon will be Red Delicious, Golden Delicious and Grimes Golden. Coming after these will be the late winter varieties such as Winesap, Stayman, York Imperial, Blacktwig and Rome Beauty. Each of these varieties has some quality for which it is especially noted. Common Winesap keeps well in ordinary cellar storage. Stayman is a good bedtime eating apple. Flavor and texture of York Imperial improves with age. A Blacktwig apple is at its best baked. Rome Beauty is good for pies.

Other varieties such as Winter Banana and King David are found only in a few orchards, and Ben Davis and Gano are still to be seen in the packing sheds occasionally. King David is an apple with outward appearance greatly resembling a Jonathan, and every year great quantities of them are sold to the unsuspecting public as Jonathans. One has only to taste them to tell the difference.

Let's Look at Holland

(Continued from Page 4)

—mainly because of lack of fertilizer. Before the war, the Dutch farmer used more fertilizer than any other farmer in the world.

But the Dutch are a hard people to lick—they're even turning war-damage to their advantage, such as making some antitank ditches into drainage canals. "After all," said one Dutchman, "the Dutch had to dig them, so we want to make them useful."

In reclaiming Walcheren Island, they intend to consolidate farm lands, to eliminate such examples as one farmer having perhaps 20 or 30 fields interspersed with the fields of others. (A government reclamation expert estimates this will increase the potential production of that land by as much as 20 per cent.) They're also going to restock the island with tuberculosis-free cattle—and keep it TB free.

Key to the Netherlands

A word about water, the key to The Netherlands. The Dutch have made the sea give them a fourth of their farm land. They use water for fence and for defense, for travel and transport. And many farmers even drive pipes down into the water and get a natural gas for cooking.

There's one device especially that I would like to import from the shrewd Dutch traders—their auction clock. They sell most of their flowers, bulbs, vegetables, and fruit at wholesale auctions. Buyers sit before a huge electric clock with one big sweep hand. Merchandise is wheeled in and an experienced man quickly pokes around and shouts out the quality. The buyer calculates the highest price he will pay. The clock hand goes into motion, moving counter-clockwise from the highest number down.

As the hand comes down to the price the buyer has decided to pay, he presses a button, the clock stops, his number is flashed on the board, and the sale has been made. Instead of bidding up as we do at our auctions, they bid down,

and they only need to bother about one bid—the highest in the house. And the whole sale takes only about 15 seconds.

Smart people, the Dutch. They work hard, but they use their brains, too.

One last note on this hospitable country where the folks first invite you home for dinner and then ask your name. Holland is a land of flowers. And not just tulips either. I went to a flower auction where there were at least 30 different varieties of cut flowers sold by the thousands of bunches. In Holland, flowers are second on the shopping list to bread. And a window without half a dozen bouquets peeping thru the glass is as undressed as one of our windows without curtains, shades or draperies.

One Dutchman, who knows America well, told me: "If your country would use 20 times as many flowers as you now use, your people would be a lot happier."

And I for one believe that the Dutch, like the Danes, could teach us many things about farming—and living.



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Keystone Steel & Wire Co.
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Prices Got Away From Government

(Continued from Page 5)

to what it was during the war, including overtime pay.

Also, that policy was put into effect, and the wartime "take-home pay" established as the postwar base pay, while retail prices of foodstuffs were held down toward 1941 levels by OPA controls and RFC consumer food subsidies. Not unnaturally, labor feels that if it is entitled to wartime take-home pay with the nearly prewar food prices, then, of course, if food prices are allowed to rise, wages should take another jump.

Depend on Supply and Demand

That combination creates a rather difficult situation, to state it mildly. Hope of Government is that with plentiful crops in prospect, the surplus food and feed production in sight within a comparatively short time will enable the law of supply and demand to cut down farm and feed prices—if only food prices can be held down, by fair means or foul, until the shortages develop.

Of course, when that happens, if farm prices are driven much below parity, Government will be faced with another problem. The Administration has pledged, and Congress has enacted the pledge into law, that farm producers will get at least 90 per cent of parity for 2 full calendar years after the official end of the war. But right now that condition is much farther off than either the November elections or the threatened nation-wide industry strikes of the coming winter. No big strikes are in sight before the November election. Labor leaders are as anxious as the Administration for a Democratic victory in November; particularly they want "liberal" congressmen elected from the city districts—the higher the food prices the more likely heavy anti-Administration voting in the cities.

Secretary of Agriculture Clinton P. Anderson, who is more aware of the fact that livestock has to be bred and fed and finished if meat is produced in sufficient quantities to meet the demand, got only a dog-fall with OPA when it came to fixing livestock ceilings. OPA "experts" and "economists," needed by labor and most of them what is called consumer-conscious, wanted cattle ceilings, Chicago, fixed at \$18, not more than \$18.50. Department of Agriculture men advised Anderson it ought to be at least \$21. Anderson finally fixed the ceiling at \$20.25, and persuaded the RFC to restore the subsidies of about \$4 average.

On hogs the OPA won almost a complete victory; the OPA insisted on \$16, Chicago, and not more than \$16.50. The Anderson order calls for \$16.25. His Production Marketing chiefs wanted an \$18 top.

The ceiling prices fixed are \$2.25 a hundred higher than the June 30 ceilings on cattle; \$1.40 higher on hogs. Hope of the Administration is that the record wheat crop and the probably record corn crop will hold feed prices down sufficiently to "stimulate" the production of a good spring pig crop, and encourage cattle feeders to fill the feed lots in the Corn Belt.

Black Markets Are Expected

OPA has promised such strict enforcement of its regulations that there will be no black markets in meats. But in trade circles—and unofficially in Washington official circles—black markets in meat are expected to develop much as they did before.

The old basic difference between U. S. D. A. and OPA still exists. OPA wants to continue to control prices

with the cost of living as the yardstick; U. S. D. A. wants to get rid of controls; while controls continue, to base ceilings at points that will encourage production. Production costs are a minor consideration in OPA circles, compared with consumer prices. And OPA still believes in the Wallachian theory of last December that wages can be increased without increasing prices.

The Decontrol Board is said to be in earnest in desiring to end all controls—as soon as possible. But that "soon as possible" is an elastic, or at least indefinite, term.

In trade circles it is felt that meat controls will be ended by January, because consumers by then will be protesting vigorously because they cannot get meat—and cannot eat OPA prices as a substitute for meat. On the other hand, those who believe in Government controls feel that the threat of wide-spread strikes may force the Government to continue controls beyond January, especially if the C. I. O. and Leftist groups elect enough "liberal" Congressmen to vote in another year of price controls and subsidies.

These also are banking that such a dangerous threat of war with Russia will fill the public mind by that time, that said public will be willing, and perhaps even anxious, to continue Government controls of all sorts as necessary to meet a possible emergency.

Prepare for Low Prices

Meanwhile the farmer mind is being prepared for lower prices and decreased farm incomes, such as the following able analysis in the current issue of "Business Comment" from the Northern Trust Co., Chicago:

"The prospect for record wheat and corn crops this year, and the concurrent partial recovery of production in foreign countries, have brought about a fundamental change in the market action of these commodities. Whereas earlier in the year grains were bumping against ceiling prices (with reports of substantially higher than ceiling prices in black market transactions) recently futures trading in major grains has been at less than ceiling prices.

"Altho the turning point may not yet actually have come, the preponderance of official as well as private forecasts is that sooner or later the problem may be one of price support rather than restraint of price rises for numerous farm commodities."

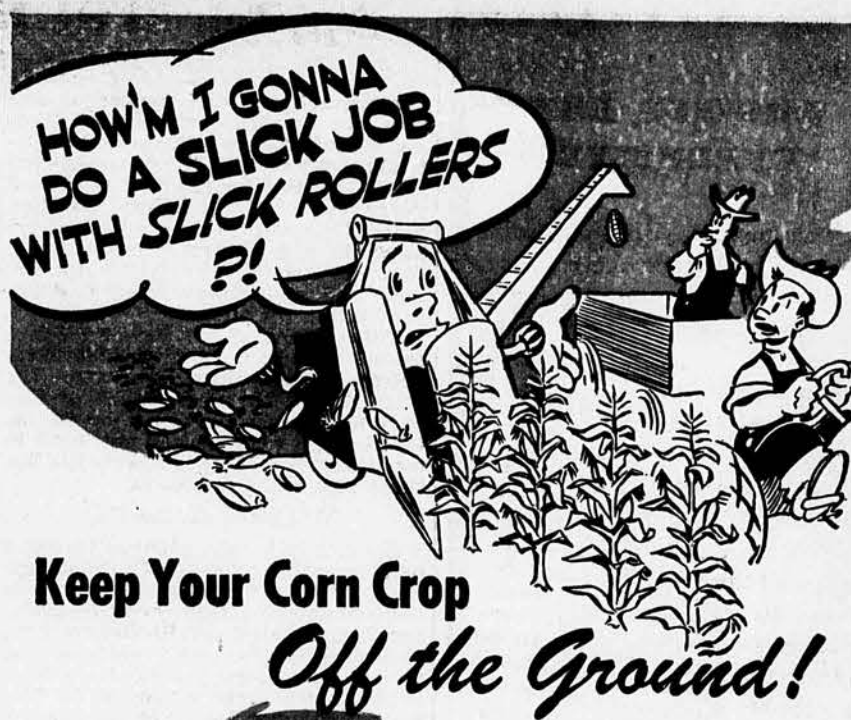
This viewpoint, the article goes on to state, does not depend entirely upon excellent crop prospects for the current season. (The Wheat Belt has not had a drought for 6 or 7 years; one is bound to come in the Great Plains area; if it came next year a wheat surplus would not be in the picture.)

The Department of Agriculture has estimated, the article states, that probably not more than one fourth of the wartime increase in farm production can be laid to better than average weather. Shifts from animal to tractor power, increased use of fertilizer and lime, increased use of cover crops and other conservation practices, pest and disease control, and better feeding of livestock, all have contributed to heavy farm production. Even with average weather farm production may be from 25 to 30 per cent higher than prewar.

Dollar Income Will Be High

National and farm incomes for this year promise to reach new levels—in dollars. But the actual increase in national income, measured in goods produced, has not anywhere nearly kept pace with the dollar increase. Retail sales in dollars increased steadily during the war years, from 55 billion dollars in 1941 to 75 billion in 1945. That is an increase of 36 per cent. But during the same period retail prices increased 31 per cent. Therefore in constant dollars (there isn't any such thing any more, however) the increase in retail sales amounted to only 2 billion dollars, or only 4 per cent. And price indexes that are waved so ponderously by statisticians do not take into account generally the disappearance of low price lines and a consequent shifting to higher-priced items.

Prospect for near future is increased prices for things farmers buy and lower prices for what they have to sell. Later, buyer resistance will meet manufactured goods prices.



Use "Noursite" Picker Roll Compound for better picking and cleaner husking. Don't blame your corn picker. Those dry husks will make the best roller slick and cause part of your crop to fall to the ground. Put your corn crop in the crib.

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Fairs Are Back in Stride

(Continued from Page 6)

farm machines and processes are promised by manufacturers. All leading manufacturers of farm and industrial machinery will have complete exhibits this fall for the first time in 5 years. The Kansas Industrial Development Commission has promised to have its first complete exhibit; one that will open the eyes of Kansans to industrial development and possibilities within the state.

Future Farmers will have their first exhibit of farm machinery built or repaired in their farm shops over the state during the year. Much of this equipment is in active use on farms. Gathering it together and putting it in condition for display is a huge job, but these boys will get it done.

Will Have Six Booths

Six county booths, planned by home demonstration agents with the assistance of local farm women, will enliven the homemaking exhibits at Hutchinson. Each exhibit will demonstrate an improved homemaking practice the women have found practical.

The booth to be exhibited by Edwards county, Lucille Rosenberger, home demonstration agent, will encourage freezing of vegetables as an improved method of food preservation.

Reading centers to encourage more and better reading on the part of members of a family is the theme being developed by Barton county. Edith May Beesley is home demonstration agent.

Sumner county, Ruth Huff, home demonstration agent, will demonstrate textile painting as a method to use in making homes attractive.

Ellsworth county, Helen Loofbourrow, home demonstration agent, will show what can be done with feed sacks in the clothing project.

Slip covers as a means of personalizing a room, preserving new furniture, harmonizing odd pieces of furniture, and making worn furniture more attractive, will be used as a demonstration by Harvey county. Grace Brill is home demonstration agent.

Marion county, Eyleen Graham, home demonstration agent, will demonstrate steps necessary to do a good job on refinishing furniture.

Twelve acts designed to thrill and entertain all types of spectators are scheduled for the State Fair Revue of 1946, principal attraction each night in front of the grandstand. The show is staged under the direction of Barnes & Carruthers, Chicago theatrical producers. It consists of vaudeville, acrobatic sensations, aerialists, tight wire artists, stars of screen and radio.

Three days of automobile races have been scheduled. Speed demons of this popular sport will set dizzy paces the afternoons of September 15, 17 and 19. Standard racing cars with famous drivers from all over the United States will compete for new records.

The All-American Thrill Drivers will give 2 performances mixed with spills and chills. They appear Saturday evening, September 14, in a special preview, and Wednesday afternoon, September 18.

Nationally known motorcycle racers will appear Monday afternoon, September 15, and Friday afternoon, September 20.

A feature this year will be the demonstrations and equipment supplied by the U. S. Army Recruiting Caravan. The Army show will occupy 10 acres,

with 42 vehicles and about 250 men, all skilled technicians. It will have one of the largest collections of lethal weapons ever shown before civilians.

The Mercedes-Benz car used by Hermann Goering, of the German Air Force will be exhibited. This car is equipped with bulletproof glass one inch thick, armor plate, and a super-charged motor giving the car a maximum speed of 135 miles an hour.

And don't forget the big Midway. As usual, the Midway will be crowded with all the shows, rides, stands, and exhibits that go to make fair week the big event of the year. So, grab your hat and head for Hutchinson, September 15 to 20.

The 1946 Kansas Free Fair, Topeka, September 7 to 13, will be back to pre-war quality with a well-balanced program bigger and better than ever, states Maurice Jencks, manager.

Two new buildings will be seen by visitors this year. The new 4-H Club pavilion triples the size of the old 4-H baby beef barn and means an expanded 4-H Club program. As you remember, the 4-H Club department was limited last year to Shawnee county exhibits because of transportation restrictions.

J. Harold Johnson, state club leader, is listed as superintendent, and will be assisted by Roger Regnier, Mary Elsie Border, Glenn Busset, Velma McGaugh, and John Hanna.

Many Industrial Exhibits

A new industrial building has been completed and will be taken over this year by the Kansas Industrial Development Commission. The building interior will have special backgrounds and new innovations in booth construction costing about \$5,000.

About 90 Kansas industrial exhibitors will be represented by exhibits at the show, and Kansans will get a chance to see what products are being made in Kansas.

Three new entrance gates on Western avenue have been constructed. A new \$10,000 stage of concrete, with dressing rooms below, has been erected in front of the grandstand. All highways within the grounds have been resurfaced.

Fair officials anticipate a fine livestock show, and the agricultural exhibits should be outstanding.

Concession space has been sold out, confirming early predictions that the 1946 fair will be the largest in history. Machinery exhibits may be somewhat curtailed due to strikes, but virtually all machinery manufacturers have bought exhibit space.

A huge entertainment program has been arranged. John Guthrie's National Championship Rodeo will open the fair and continue thru Saturday, Sunday and Monday afternoons, September 7, 8 and 9. Auto races, back for the first time since the start of the war, will be the attraction on Tuesday, Wednesday and Friday afternoons. Thursday afternoon, September 13, will be Thrill Day, with the "All-American Thrill Drivers" smashing cars up for the public's enjoyment.

Barnes and Carruthers, of Chicago, will bring the big night show attraction to be staged every night in front of the grandstand. The show will come to Topeka from the Iowa State Fair.

Midway attraction will be the Royal American Shows, the world's largest amusement organization.

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You can save dockage and also get better yields. Just treat seed wheat with New Improved CERESAN*. Usually controls stinking smut; stripe, certain smuts of barley. Costs little.

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Baby Chicks—24 breeds, free catalog gives best matings, terms, prices, F. O. B., guarantees; bloodtested breeders. White Buff, Brown Leghorns, \$7.95; pullets, \$15.45; Rocks, Reds, Orpingtons, Wyandottes, \$8.95; pullets, \$13.95; heavy assorted, \$6.95. Surplus cockerels, \$2.95. Thompson Hatchery, Springfield, Mo.

Schlichtman's U. S. Approved, Pullorum tested chicks, per 100 prepaid. Leghorns, Rocks, Reds, Orpingtons, Wyandottes, Minorcas, \$9.90. Assorted \$7.45. Pedigree sired and sexed chicks. Free catalog explaining 2-week replacement guarantee. Schlichtman Hatchery, Appleton City, Mo.

Colonial Fall Chicks. As world's largest producers, Colonial saves you money on best quality. Purebreds, Hybrids. U. S. Approved. Pullorum Tested. Catalog Free. Colonial Poultry Farms, Wichita, Kansas.

Started, 4 to 6 weeks White Leghorn Pullets, \$3.95, 100, F. O. B.; thousands weekly, 20 breeds day old chicks, \$2.95 up. Bush Hatchery, Clinton, Mo.

FILMS AND PRINTS

Velox Deckledge KODAK PRINTS

Kodak films developed and NOT ONE but TWO Velox deckledge guaranteed prints from each negative, only 25c. Deckledge reprints, 2c each. Why pay more? Your favorite photo copied and 12 prints made from it, 50c. Enlargements from negative. Four 5x7, only 50c; 8x10 enlargements, 75c each. Our pictures are guaranteed not to fade. Our forty years of photograph experience assures you the best in quality. Summers Studio, Unionville, Mo.

QUALITY and SERVICE

Rolls developed and printed 25c, with Jumbo Enlarged Prints 30c.
SKRUDLAND, 6444-R DIVERSEY, CHICAGO

Christmas Cards, exclusive styles made from your own snapshot negatives. Only you can send these personal photo Christmas greetings. Order today 12 for \$1; 25 for \$1.50 including envelopes or send a negative and 10c for sample. Pioneer Photo Print Service, Box 123, Wichita, Kansas.

Finerfot developed, printed, enlarged—lowest prices. No restrictions on number of prints on roll or reprint orders. Roll developed with 8 Finerfot and 2 professional bromide enlargements—25c. Finerfot, Drawer U-898, Minneapolis, Minnesota.

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. Sparrowman, 1715 Lane, Topeka, Kan.

Save \$1.00—Order 100 reprints at 3c each and receive a 8x10 tinted enlargement in a beautiful mount (Value \$4.75) for \$3.75. Fred V. Eastman, Bode, Iowa.

Century Delivers Work and service that can't be beat. Sixteen Famous Century One prints each 8-exp. roll 30c. Free Mailers. Century Photo Service, LaCrosse, Wis.

Roll Developed 8 enlarged 4x6 prints 35c. Reprints 5c. 16 exposure rolls 60c. Mohart Film Service, LaCrosse, Wis.

Roll Developed—2 free enlargements 16 prints—25c. Dick's Photo, Louisville, Ky.

PRODUCE WANTED

Ship your cream direct. Premium prices for premium grade. Satisfaction guaranteed on every shipment. Riverside Creamery, Kansas City, Mo.

We want broilers, springs. Coops loaned free. The Copes, Topeka.

MACHINERY WANTED

Wanted—Good used or new clover huller. State year, make, size, price, condition. George Walz, Quinter, Kansas.

OF INTEREST TO WOMEN

Eastside Maternity—Seclusion Hospital for unmarried girls. State licensed. Working reduces expenses. 4911 E. 27th, Kansas City, Mo.

FEATHERS WANTED

Highest Cash Prices paid for all kinds of new and used duck and goose feathers. Also white turkey body and wing and tail feathers. Checks mailed promptly. We pay all freight charges. Write for full particulars. Central Feather & Down Co., Dept. 602, Kansas City 7, Missouri.

Prompt Payment for your new and used goose—duck feathers. We are direct pillow manufacturers paying top prices. Inland Feather Co., 1007 E. 55th St., Chicago 15.

LIVESTOCK ITEMS

Make More Farm Profits! Raise Milking Shorthorns—4% milk and greatest salvage value. Official as well as "on the farm" records under average farm conditions prove that Milking Shorthorns are best profit breed! Produce 4% milk and have greatest salvage value of all milk breeds! Get the Free Facts. Or read Milking Shorthorn Journal. Trial subscription six months, 50c; one year, \$1.00. Milking Shorthorn Society, 809 West Exchange Ave., U. S. Yards, Dept. KP-51, Chicago 9, Illinois.

Abortion and Mastitis. Literature free; government licensed vaccine. Strain 19; Man-O-Lac, effective for mastitis. Penicillin and DDT circulars. Complete line Farmade products. Low prices. Kansas City Vaccine Co., Dept. P, Stockyards, Kansas City, Mo.

How to Break and Train Horses—A book every farmer and horseman should have. It is free; no obligation. Simply address Beery School of Horsemanship, Dept. 439, Pleasant Hill, Ohio.

AUTOMOTIVE

Having Car Trouble? New, Used, Guaranteed auto, truck, parts save money. Transmission specialists. Describe need. Immediate reply. Victory, 2930AO North Western, Chicago 18.

SEED

Plant Alfalfa Early This Fall

Alfalfa Seed—Kansas Grown \$22.80 per bushel
Sweet Clover Seed, \$8.25 per bushel
Order from this ad or write for samples.
The Kansas Seed Co.
Box 877 Salina, Kansas

KANSAS CERTIFIED SEED

Field Inspected and Laboratory Tested
Be Safe—Plant Certified Seed
Wheat: Pawnee, Comanche, Wichita, Tenmar, Kawvale, Clarkan, Turkey, Blackhull, Winter Barley: Reno.
Rye: Balbo.
Bromegrass: Achenbach.
Sweet Clover: Madrid, Biennial White.
Alfalfa: Kansas Common, Ladak.
Write for list of growers.

THE KANSAS CROP IMPROVEMENT ASSN.
Manhattan, Kansas

BALBO RYE

Certified and Uncertified
Booking orders for July and August shipment.
PRESTON MILLING INDUSTRIES
Seed Division
Fairbury, Nebraska

Certified Pawnee Wheat, high germination and purity. Price, sacked \$2.75 per bushel. Truck loads in bulk \$2.50. T. Max Reitz, Belle Plaine, Kansas.

For Sale—1,000 bushels certified Pawnee wheat, \$2.75 bushel. Mrs. E. W. Christie, Ottawa, Kansas.

Kansas Grown SEEDS for Fall Planting

Pawnee Seed Wheat Per Bushel.....\$2.90

F. O. B. Salina

Comanche Wheat Per Bushel..... 2.95

Balbo Rye Per Bushel..... 2.75

All Tested and Recleaned

THE KANSAS SEED CO., Box 877, Salina, Kansas

DEVELOPED IN KANSAS FOR KANSAS FARMS

Developed in Kansas, under Kansas growing conditions, for proven adaptation and higher yields on Kansas farms... Tomson Hybrid Seed Corn has the inbred ability to withstand periods of drought and unfavorable weather conditions.

Remember... for higher yields and greater profits plant a dependable Kansas grown, Tomson Hybrid particularly adapted to your farm. Don't delay... write today for your FREE copy of the new Tomson Hybrid Seed Corn pamphlet... chuck-full of valuable information for you.

CHECK THESE POPULAR VARIETIES

TOMSON 44... We know of no other variety that so completely fills the need of corn growers over a wide area. Produces large ears of a beautiful type—well dented and has no superior as a feeding corn. Stands well and picks clean... just an all-around favorite.

TOMSON 44a... A very popular medium late variety, a few days later than 44. Very attractive in the field, with dark green color and long ears that ripen before the leaves start to turn brown. Stands well, holds ears on stock... the standby of many farmers.

TOMSON

HYBRID SEED CORN

PROCESSING PLANT, WAKARUSA, KANSAS
OFFICE..... TOPEKA, KANSAS

SEED

KANSAS CERTIFIED HYBRID CORN

For 1947 Delivery

K 2234 Flats \$10.00; Rounds \$7.50

K 1585

K 1583 Flats \$8.75; Rounds \$6.75

U S 13

Order now and be assured of your choice of grade and variety.

CARL BILLMAN, HOLTON, KAN.

New Wheats—Best of Thousands Tested in Large Wheat Nursery. Soft, hard or dark-hard; Beardless or Bearded. Better for Milling, Baking, Yields, Test, Combining, Drouth, Flood Winter, Disease, Insect, Resistant. Earl G. Clark, Sedgwick, Kansas.

Certified Pawnee Wheat—Carload or truck lots, \$2.50 per bushel in bulk, Ceresan treatment on request 10c. Paul Danielson, Lindsborg, Kansas.

Certified Pawnee Wheat by sack, truck or car load. \$2.50 per bushel recleaned in bulk, \$2.80 sacked. Walter Peirce, R. 2, Hutchinson, Kansas.

Certified Pawnee Seed Wheat. Purity 99.50%. Germination 98%. Car, truck or sack lots. Order now. Ernest Bauer, Broughton, Kansas.

Certified Pawnee Wheat for sale—\$2.75 bushel, recleaned, sacked, \$2.50 bushel in bulk. Rolland Klaassen, Whitewater, Kansas.

Plant Certified Balbo Rye \$3.00 per bushel, the only bargain in the protein market today. Harris Houston, Potwin, Kansas.

Best Quality, High Test, Certified Pawnee Wheat. Grown on new broke out prairie sod. E. D. Wranosky, Haddam, Kansas.

Pure Certified Comanche Seed Wheat for sale. Fort Hays Experiment Station, Hays, Kansas.

MISCELLANEOUS

Will Pay \$10.00 each for certain Lincoln Pennies! Indianheads \$50.00. Dimes \$1,000.00. Send stamp for catalogue. Federal Coin Exchange, 9-Kan., Columbus, Ohio.

BUSINESS OPPORTUNITIES

Announcement

Meat and Grocery Merchants

Does your community need a frozen food locker plant? If so, and if you have 18'x26' of "dead" space in your store, we can install, without structural changes, a 200-box all-metal prefabricated locker system, complete with chill room and shop freeze unit. Inquiries invited.

KANSAS FOOD LOCKER SYSTEMS CO.
Reply: P. O. Box 377, Wichita, Kansas

STOVES

Complete Line of

Circulating Heaters

Coal—Oil—Gas—Bottle Gas
Coal Ranges and Gas or Electric Appliances
Complete Radio Repair and Batteries
MIDWEST APPLIANCE STORE
608 Kansas Avenue, Topeka, Kansas

FARM EQUIPMENT

POSTS

Twenty-five thousand 6 1/2-ft. Catalpa posts for sale in Greenwood County, Kansas. These are large, rugged round posts from 3 1/2-inch top up, also 8 ft., 9 ft., and 10 ft. and a few drive posts.

A. M. GRIFFITH,
352 North Clifton Ave., Wichita 8, Kan.

A New Universal

SPRAY GUN & TANK

Connected to Your Tractor
Use your tractor as compressor. Paint farm buildings, fences, machinery, spray fruit trees, chicken houses and blow out dust. \$76.95. Write for literature.

MOORE'S FARM STORE
7 West B, Hutchinson, Kansas.

LIBERTY GRAIN BLOWER

Saves time, Labor and Grain. Never strikes or shirks. Does many jobs other elevators cannot do. Get full particulars today.

LINK MANUFACTURING CO., FARGO, N. D.

Milkers—Parts—Service

Large stock of replacement parts for all milkers. Natural rubber inflations. Farm dairy room supplies.
GENERAL PRODUCTS—Surge Distributors
157-59 N. Emporia
Wichita, Kansas

AUCTION SCHOOLS

Learn Auctioneering. Free catalog. Write Relsch Auction School, Mason City, Iowa.

ELECTRICAL EQUIPMENT

DELCO LIGHT

Large Stock Genuine Parts for all models. Plants—Pumps—Batteries—Wind Plants. Modern Shop. Repair any Delco Equipment. Factory Distributors.
General Products, Wichita, Kansas

MACHINERY AND PARTS

NEW AND USED TRACTOR PARTS

Write for big, free 1946 catalogue; tremendous savings. Satisfaction guaranteed.
Central Tractor Wrecking Co., Des Moines 3, Ia.
For Sale—Gehl and Papec ensilage cutter; 12 and 15-foot rotary scrapers and Dempster Windmill. Weidner Bros., Minneapolis, Kansas.

FARMS—KANSAS

260-Acre Stock and grain farm \$24,500. 190 acres cultivation, 70 acres corn, 80 acres red clover, 40 acres plowed for wheat. Good improvements, well watered, gravel, electricity, close to town. Would sell improvements with 160 acres separate \$16,000.

41-Acre Suburban Poultry and Dairy Farm, 1/2 mile to County Seat. Fenced hog tight, plenty water, unusually well improved modern home, excellent equipment, gravel, electricity, mail, telephone, 10 minutes to High School, \$18,000.

80-Acre Well Improved stock and grain farm 15 minutes to County Seat. Lays good, plenty of legumes, all can be plowed. House has hard wood floors up stairs and down. Barn, chicken house, double crib, other buildings, \$16,000. Gravel, electricity, telephone, mail.

160-Acre Stock and Grain farm, well improved, good well, pasture springs, 8 room house, basement barn 36x40. 112 acres plow land, 40 acres permanent pasture, 12 acres alfalfa, 30 acres red clover, 6 miles to County Seat, gravel, electricity, mail, telephone, \$18,000.

All Above property in Brown county, Northeast Kansas; rich land, wonderful crops, close to school and markets. Write A. L. Bellinger, 410 Delaware St., Hlawatha, Kansas.

Fine Creek Bottom Farm, 160 acres highly improved, good water, good road, electricity, good corn and alfalfa land, \$12,000. T. B. Godsey, Emporia, Kansas.

For Kansas finest farms, many will G. I. Land Brokerage, 213 Saint Marys, Kansas.

FARMS—MISCELLANEOUS

Equipped 100-acre eastern Kansas farm, near highway, only \$5,500 including 6 cows, 6 heifers, 6 calves, mare, tractor, farm tools and hay in barn time of sale! On all-weather gravel road. RFD route, 1/4 mile grade school and U. S. highway, a few minutes fish river, 3 1/2 miles village, 20 minutes high school depot town, 45 minutes college city of 32,000; 90 tillable, 50 cultivated, 32 lespedeza meadow, 40 bluestem pasture watered by pond, 4 fruit trees, 6 grapevines, 400 strawberries; fair 2-room white frame house, good well, maple shade, nice views, good 40x40 painted barn, poultry house, needs repair, dandy brooder house, corncrib; 30-day possession, hard to beat at only \$5,500 equipped, \$3,500 down. Details big free Fall catalog 13 Midwest states. United Farm Agency, 428 BMA Bldg., Kansas City 8, Mo.

DOGS—HUNTING—TRAPPING

English Shepherd: Puppies. Breeder for 22 years. Shipped on approval. 10c for pictures and description. H. W. Chestnut, Chanute, Kan.

Shepherds, Collies, Healers, Watch Dogs. Zimmerman Kennels, Flanagan, Illinois.

WANTED—TO BUY

Alfalfa Seed, Pop Corn, Bromegrass. Hayes Seed House, Topeka, Kansas.

REMEDIES AND TREATMENTS

Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Clinic, Suite C-906, Kansas City, Mo.

ROWES' ANNUAL POLAND CHINA SALE Friday, September 20



These pigs go in the sale.

Pigs are mostly by Challenger's Best. 2 gilts by the great Illustrious. A top litter of 4 boars sired by All Dimentions (the Iowa Grand Champion boar). One outstanding litter sired by Challenger's Best and out of a Rowe's Challenger dam. The get of All Dimentions will furnish new blood for our old customers.

Two top litters by the Great Illustrious. This is the greatest offering we have ever sold.

FREE DINNER.

C. R. ROWE and SON
Scranton, Kansas
H. S. Duncan, Auctioneer. Mike Wilson with Kansas Farmer.

**40 HEAD
25 BOARS
and 15 GILTS**

HEREFORD HOG SALE

At Ireland Sale Barn

**Holton, Kansas
September 24**

1 P. M.

**40 Sows and Gilts 25 Spring Gilts
15 Spring Boars**

Sows are carrying the service of Broadway. Most of the spring pigs are sired by the same boar. One good litter by Fashion Model.

Now is the time to start a herd of purebred Hereford Hogs. Never before was the price of registered hogs so near the price of commercial hogs. Don't fail to attend this sale of outstanding registered Hereford Hogs. Write for catalog.

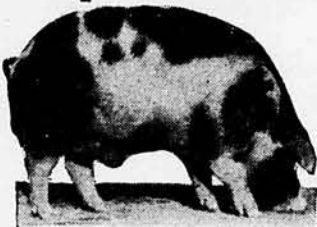
MILT HAAG, HOLTON, KANSAS
Auctioneer—Bert Powell. Jesse R. Johnson with Kansas Farmer.



Spotted Poland China Sale

Effingham Fair Grounds

**EFFINGHAM, KAN.
SEPTEMBER 19, 1 P. M.**



50 HEAD Spring Boars and Gilts

Mostly sired by Missouri Hero, first prize senior pig at Missouri State Show in 1945. This offering is of excellent type and well grown. Write for catalog.

WILLIAM HINZ, EFFINGHAM, KANSAS

SHAWNEE COUNTY FFA AND 4-H DUROC BREEDERS' SALE

Fair Grounds

**Saturday, September 28
Topeka, Kansas**

**55 Reg. Duroc Spring Pigs
14 Boars—41 Gilts**

Popular lines. Carefully selected from 30 herds. Immuned and Tb. and Abortion tested. Write for catalog to

**John Miller, Chamber of Commerce
Topeka, Kansas**
(See these pigs at Kansas Free Fair.)

DUROCS FOR SALE

Choice Duroc bred gilts and sows mated to my herd boars. Kansas, Prince's Designer and Red Master.

ARTHUR E. ROEPKE, WATERVILLE, KAN.
Taliaferro's Reg. Quality Durocs
Largest per cent of high priced pork with uniformity of type. Selected gilts and sows bred for September and October spring pigs. Trios unrelated. Special prices for July and August.
Howard C. Taliaferro, Leon (Butler Co.), Kan.

EASY FEEDING TYPE DUROCS

20 top spring boars and 40 selected spring gilts sired by Royal Pattern, a great son of Kant-Be-Beat, out of Golden Fancy and King Orion dams. Inspection invited.

ALLEN LARD, CLAY CENTER, KANSAS

CHOICE DUROC HERD BOAR

Prospects both fall and spring breeding and individuals. No Fall Sale. So first come first served. Durocs Since 1900.

VERN V. ALBRECHT, Smith Center, Kan.

CHOICE DUROC BRED GILTS
By Improved Ace by Proud Wave Ace and bred to Top Crown, a splendid son of Crown Prince, Illinois Grand Champion boar. Also splendid spring boar pigs. Two extra good fall boars by Improved Ace.
BEN M. HOOK & SON, Silver Lake, Kansas

DUROC BRED GILTS
Bred to Seco Tops 1st for September and October farrow. Priced Reasonable.
MILLER FARMS, MERIDEN, KANSAS

Public Sales of Livestock

Angus Cattle

October 26—Southeast Kansas Aberdeen Angus Association, Iola, Kan. Clarence Ericson, Sale Manager, Savonburg, Kan.
November 16—John C. Long, Haddam, Kan. Sale at Marysville, Kan.
November 23—J. C. Long & Son, Haddam, Kan.

Guernsey Cattle

September 28—Fritz Alder Estate, Florence, Kan.
October 9—Southern Kansas Guernsey Breeders' Association, Hillsboro, Kan. Secretary, J. E. Sinclair, Hillsboro, Kan.
October 18—Kansas State Guernsey Breeders, Topeka, Kan. W. L. Schultz, Hillsboro, Kan., Chairman of Sale Committee.

Hereford Cattle

September 19—Porterfield Hereford Farm, Kansas City, Mo.
September 24—Roy L. Fahlstrom, Concordia, Kan.
September 27—John J. Moffitt Herd Dispersal, Lenora, Kan. Sales Manager, Vic Roth, Hays.
October 15—Triple P. Ranch, Mt. Hope, Kan.
October 18—Harvey County Hereford Breeders, Newton, Kan. Phil Adrian, Moundridge, Kan., Secretary.
November 4—Western Republican Valley Hereford Breeders' Association, Benkelman, Nebr. Leo Barnell, Benkelman, Nebr.
November 6—Lakeside Hereford Farm, Howard Carey, Owner, Hutchinson, Kan.
November 7—Great Plains Hereford Association, Oakley, Kan.
November 8—Northwest Kansas Hereford Breeders' Association, Atwood, Kan.
November 11—W. H. Tont & Son, Haven, Kan.
November 12—North Central Kansas Hereford Show and Sale, Concordia, Kan. Dr. George C. Wreath, Belleville, Kan., Sale Manager.
November 13—Elmer L. Johnson, Smolan, Kan.
November 15—Wabunsee County Breeders' Association, Alma, Kan.
November 16—Central Kansas Hereford Association sale, Vic Roth, Manager, Hays, Kan.
November 16—Thomas Werth, Park, Kan. (night sale).
December 6—Dickinson County Hereford Breeders (Polled and Horned), Abilene, Kan. Herald Dailey, Secretary, Abilene, Kan.
January 7—Northeast Kansas Hereford Breeders, Fair Grounds, Topeka, Kan.

Polled Hereford Cattle

September 19—Porterfield Hereford Farm, Kansas City, Mo.

Holstein Cattle

September 11—Roy Sheppard, Hutchinson, Kan. A. McVay sale.
September 26—Fritz Alder Estate, Florence, Kan.
September 26—Herbert Meyer, Deerfield, Kan. E. A. Dawdy, Sale Manager, Salina, Kan.
October 21—Central Kansas Holstein Breeders. Place to be announced. A. McVay sale.
October 28—Kansas State Holstein Breeders' Sale, Abilene, Kan. Herbert Hatesohl, Manager, Greenleaf, Kan.
October 31—Clyde Altenread, Hutchinson, Kan. A. McVay sale.
November 4—North Central Kansas Holstein Annual Consignment Sale, Washington, Kan. E. A. Dawdy, Salina, Kan., Sale Manager.
November 11—Central Kansas Holstein Breeders, Hutchinson, Kan. A. McVay Sale.
November 18—Central Kansas Holstein Consignment Sale, Salina, Kan. E. A. Dawdy, Sale Manager.

Ayrshire Cattle

October 19—Kansas State Ayrshire Sale, Hutchinson, Kan. Fred Williams, Manager, Hutchinson, Kan.
October 21—Northeast Kansas Ayrshire Assn. Sale, Horton, Kan. John C. Keas, Manager, Effingham, Kan.

Jersey Cattle

September 23—E. L. Persinger, Republic, Kan.
November 7—Kansas State Jersey Breeders Sale, Fair Grounds, Hutchinson, Kan. Roy Smith, Secretary, Hutchinson, Kan.
November 14—David M. Schurle, Manhattan, Kan. Ivan N. Gates, West Liberty, Iowa, Sale Manager.

Milking Shorthorn Cattle

October 23—J. E. Kraus & Sons, Pretty Prairie, Kan.
October 24—Kansas Milking Shorthorn Society, Hutchinson, Kan., Joe Hunter, Secretary, Geneseo, Kan.

Polled Shorthorn Cattle

October 28—Lewis Thleman, Concordia, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.

Shorthorn Cattle

November 6—Central Kansas Shorthorn Breeders' Assn., Polled and Horned. Sale Hutchinson, Kan. Frank Leslie, Sterling, Kan., Sale Manager.
November 12—North Central Kansas Shorthorn Breeders' Assn., Beloit, Kan. Ed Hedstrom, Secretary, Mankato, Kan.
November 25—Kansas Shorthorn Breeders' Association (Polled Shorthorns), Hutchinson, Kan. Sec. Lot F. Taylor, Manhattan, Kan.
November 26—Kansas Shorthorn Breeders' Association, Hutchinson, Kan. Secretary, Lot F. Taylor, Manhattan, Kan.

Duroc Hogs

September 28—Shawnee County F. F. A. and 4-H Duroc breeders sale, Fair Grounds, Topeka, Kan.
October 7—Earl Martin & Son, DeKalb, Mo. Sale at St. Joseph, Mo.
October 9—Irving P. French, Sparks, Kan.
October 10—Frank Alexander, Corning, Kan.
October 11—Clarence Miller, Alma, Kan.
October 12—Wreath Farm, Manhattan, Kan.
October 14—Willard H. Waldo, DeWitt, Nebr.
October 18—G. F. Germann & Son, Manhattan, Kan.
October 28—Wayne L. Davis, Mahaska, Kan.

Hereford Hogs

September 24—Milt Haag, Holton, Kan.

Poland China Hogs

September 20—C. R. Rowe & Son, Scranton, Kan.
September 26—Bauer Bros., Gladstone, Nebr. Sale at Fairbury, Nebr.
November 1—A. L. Wiswell, Olathe, Kan.

Spotted Poland China Hogs

September 19—William Hinz, Effingham, Kan.
October 28—Wayne L. Davis, Mahaska, Kan.

O. I. C. Hogs

October 15—Kansas O. I. C. Swine Breeders' Association, Hutchinson, Kan. Marvin J. Hostetler, Secretary, McPherson, Kan.

Hogs

October 26—Clay County Breeders, Clay Center, Kan. (5 leading breeds), Allen Lard, Sale Manager.

Horses

October 17—J. C. Penney Horse Farm, Hamilton, Mo.

Jacks—Jennets

October 17—J. C. Penney Horse Farm, Hamilton, Mo.

HOGS

Bauers' Annual Poland China Boar Sale

At Fairgrounds

**Fairbury, Nebraska
Thursday, September 26**

50 well-grown, thick-bodied boars on short legs sired by Midwest, the breed's greatest boar and Atomic Bomb, the thickest bodied yearling boar ever used in our herd. Also a few sired by Standard. These boars are bred to go out and sire quick maturing market toppers.

Write now for descriptive catalog containing pictures of the offering.

BAUER BROTHERS
Gladstone, Nebraska

See Our Poland Chinas at Kansas Free Fair



The big, smooth, black kind. Shorter legs and better hams. Annual Fall Sale November 1st.
A. L. WISWELL & SON
OLATHE, KANSAS

SEE OUR SPOTS. STATE AND COUNTY FAIRS AND SHOWS

Booking pig orders for future delivery. Sired by the 1945 grand champion and his helpers. Stock always for sale.

DALE KONKEL, HAVILAND, KANSAS

Fiesers' Spotted Polands

Last call for serviceable boars. Spring pigs are ready to go. Also bred gilts. By Top Flash and True Model. Thick, low type. Registered & vaccinated. Earl J. & Everett Fieser, Norwich, Kan.

SPOTTED POLAND CHINA
Boars and gilts, Spring farrow. Unrelated pairs. Heavy boned and rugged. Vaccinated and registered. Write for prices. **HENRY G. BLETSCHER & SONS, BALA, (Riley County), KANSAS**

ETHYLEDAL FARM
PRODUCTION HAMPSHIRE
In Service **SPOTLIGHT SUPREME** and **OUR WILZARD** Breeding stock for sale at all times.
Dale Scheel, Emporia, Kan.

HAMPSHIRE GILTS
bred for September litters. Also March boar pigs. Choice quality. Priced reasonable.
R. E. BERGSTEN & SONS
Randolph, Kan.



Reg. Bred Gilts
and Weanling Pigs
PETERSON & SONS,
Osage City, Kan.

Raise CHESTER WHITES

Prolific—Best Disposition—High Percent Farrowed—Raised Get FREE Chester White Facts and Copy of The Chester White Journal. Published Monthly, \$1 a year, \$2 for 3 years.



The Chester White Swine Record Ass'n
Rochester, Indiana

Chester White Bred Gilts
For Sale. 10 unregistered White gilts to farrow in October, weight 150 to 200 lbs. Price \$45 each.
W. A. HEGLE & SONS, LOST SPRINGS, KAN.

HEREFORD HOGS Expressed C. O. D. subject to your approval. High-winning herd National show. Bred gilts. Boars. Unrelated pigs. Circular.
YALEHURST FARMS, PEORIA, ILL.

THURSDAY, OCTOBER 10 DUROC SALE

50 Strictly Top Boars and Gilts. All sired by or out of litter sisters to the much talked of boar, Lo-Down Fancy. Uniformity of approved Duroc Type.

Come and see for yourself.
FRANK ALEXANDER
Corning, (Nemaha Co.), Kansas

SILVER ACE and BLOCKY TYPE BREEDING

Registered and immune. Increase your pork production by using one of our quick-maturing boars.

CARL BILLMAN, HOLTON, KAN.

Dairy CATTLE

For 50-Ton Cows

Ayrshires are noted for life-time records of 100,000 lbs. 4% milk



Write for literature and list of breeders near you with stock for sale

Ayrshire Breeders' Association
260 Center St., Brandon, Vt.

RAISE AYRSHIRES

DON'T FLIT FROM COW TO COW

Heavy milkers fill up the cans quickly—Heavy milkers give you the most for your labor—Heavy milkers are always the most profitable in the herd. Holstein cows ARE the heaviest milkers to be found.

Write for free booklet.
HOLSTEIN-FRIESIAN ASS'N OF AMERICA • Brattleboro, Vermont • Box 3038

IN THE FIELD



Jesse R. Johnson
Topeka, Kansas
Livestock Editor

and MIKE WILSON, Livestock Fieldman,
Muscotah, Kansas.

MILTON H. NAGLEY, of Abilene, has one of the good herds of beef Shorthorns in his part of the state. At the recent county fair held at Abilene, he won grand championship of both male and female. He has a herd of about 40 head with a good son of a Supreme Perth Champion in service.

JESSE RIFFEL & SONS, of Enterprise, report an usual demand for their kind of Polled Herefords. They are entirely sold out and ask that their advertising card be discontinued for the present. Recent sales include an extra fine bull sold on mail order to Meritt Brown, of Jacksonville, Fla. Later on Mr. Brown flew to Dickinson county and purchased a heifer from the Riffels, and another one from Earl Elliott, of Detroit. Dickinson county is coming to be headquarters for the best in Polled Herefords.

The MISSOURI MILKING SHORTHORN BREEDERS Sale, Sedalia, Mo., on August 24, was well attended by breeders and farmers from several states. Prices ruled uniform thruout the sale. Top cow with a small heifer calf sold for \$500, and the low price of the sale was a heifer at \$185. On 40 lots the average was \$285. Five bulls, most of them ready for light service, averaged \$257. Top bull sold for \$275. Ten head went to buyers from Kansas, Illinois, Iowa, Arkansas and Oklahoma, with 30 head staying in Missouri. Bert Powell, Topeka, Kan., was the auctioneer.

FRITZ ALDER, successful farmer and dairyman of Florence, passed away recently at the age of 70. Born in Switzerland and coming to Kansas 50 years ago, he engaged in general farming, specializing in good high-grade dairy cattle. Buying good registered Holstein and Guernsey bulls, he continued herd building and improvement for 25 years. At the time of his death he had a herd of about 100 head, and by hard work and intelligent effort had educated a fine family of boys and girls, and accumulated nearly 1,000 acres of good valley farm land and bluestem pasture. He was a fine, co-operative citizen and fully appreciated the responsibility of citizenship.

One hundred and fifty friends, neighbors and Spotted Poland China breeders attended the CARL BILLMAN Spotted Poland China Hog sale held at Holton, August 22. Twenty-nine gilts passed thru the auction ring at an average of \$102 a head. The top of \$120 was reached on lot number 26, she going to Walter Allerheiligen, of Marysville. Fifteen boars made a general average of \$61.25 a head. The top, a very nice, smooth, deep, low-down spring pig, going to Jim Goering, of Mountain Lake, Minn., for \$87.50. With the exception of this one boar the entire offering stayed in Kansas. Colonel Bert Powell was in fine form and conducted the auction in his usual excellent way.

J. C. BANBURY & SONS, of Plevna, have the oldest and strongest herd of registered Polled Shorthorns in Kansas. The herd was founded 40 years coming next January. It would be difficult to estimate in dollars the contribution this great herd has made to the cattle industry of this state and surrounding states. During the years hundreds of bulls have gone out to strengthen the grade herds of the territory, to say nothing of the registered herds that have been established with females bred by this enterprising firm. Among recent sales have been females to George M. Christie, Neodesha; G. D. Holcolm, Plevna, and bulls to A. R. Power, Haviland; and Roy F. Maralt, of Colorado. The Banburys say the demand for good Polled Shorthorns is about the best it ever has been.

One of the leading Jersey cattle breeders and heaviest milk producer in the Manhattan milkshed is DAVID SCHURLE. He grew up in the Jersey cattle breeding business, his father and his grandfather were both Jersey cattle breeders. With a start from his father's herd several years ago, he established his herd and has bought selected individuals from other herds and saved his best heifers. His present herd bulls are Rubys Regina Noble, and a good son of Longfellow Jester of Oz. The herd has been on DHIA test for about 5 years, with records up to 300 pounds with many heifers included in the tests. About 60 cows are now in milk, and an average of 50 are milked the year around. Milk is consumed by the citizens of Manhattan.

Golden Fancy, one of not the greatest Duroc boar ever owned in the Midwest, died recently. Certainly no boar ever heading any Kansas herd has left a greater number of breeding animals carrying his blood. CLARENCE MILLER purchased him after he had sired one crop of pigs, and during the years that he headed the Miller herd, his boars and sows bred to him have been in demand, not only by Kansas breeders but by many in other states. With no effort to stage boom prices Mr. Miller has been able to keep this demand right up to the top. This year's boar crop will be the last chance to get his sons. He leaves a dozen or more daughters and as many or more granddaughters in the Miller herd. The 60 salable boars topped from 100 head are sired by 5 different boars, probably a fourth of them by the old boar, others out of Golden Fancy sows. Other boars used are Knockout and Real Ideal, affording complete out-crosses for former users of Miller Durocs.

JOHN MOFFITT, recently deceased, was one of the very successful breeders of registered Hereford cattle in Kansas. He established his herd about 25 years ago on his ranch in Lincoln county. At the time of his death he purchased a farm and erected a new house near Lenora. Much care was taken in selecting the early foundation, and during the years few females were added. The best selections came from his own herd and the best possible bloodlines were followed in herd bull buying. Mr. Moffitt was one of the old-time breeders who loved the business and was always happy to help young men get started. While not a heavy feeder, he understood the methods of feeding for growth and future usefulness. All but two head of cattle that go in the coming dispersal sale were bred by Mr. Moffitt.

FRITZ ALDER ESTATE DAIRY CATTLE DISPERSAL SALE

On farm half mile east of Florence, Kansas, Highway U. S. 50

Thursday, September 26



90 HEAD high grade Holsteins

Many practically pure bred but not eligible to record.

15 Head are high grade, good type Guernseys.

75 Cows and adult heifers. 24 cows now in milk.

75 Head bred, most of them to Meadow Lark Viking. About 50 for fall freshening.

20 Calves.

1 Guernsey Bull.

96 Head in all will be sold.

95 Females.

None have been sold privately.

The herds have been established for 25 years and nothing but registered bulls from high production ancestors have been used.

Among the Holstein bulls used were Leohost Design Lassie Ross 889593, a son of Right Royal Design (the first bull in Kansas to receive the Silver Medal Production Sire Certificate).

Many are bred to the great Guernsey sire, Meadow Lark Viking (grandson of Valoris Crusader with a 700-lb. cow for a dam).

A great lot of home bred cattle. Only those showing profit at the pail have been kept in the herd. Everything Tb. and Abortion tested April 1946. For additional information address

MRS. FRITZ ALDER, Executrix, Florence, Kansas

Auctioneer—Col. J. J. McLinden, Jesse R. Johnson with Kansas Farmer.

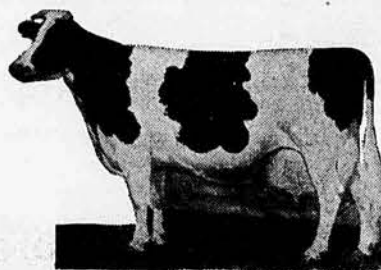
Herbert Meyer's Holstein Dispersal

THURSDAY, SEPTEMBER 26

At the Farm. (14 miles northwest of Garden City or 5 miles west on U. S. 50 and 1½ north of Holcomb, Kansas.

DEERFIELD, KANSAS

Starting 12 o'clock, Noon.



50 HIGH GRADE HOLSTEINS

21 Cows—2-7 years old—mostly fall freshening.

8 Bred Heifers—to freshen in October and November.

13 Open Heifers and Calves.

1 Registered Holstein Herd Bull, grandson of Governor of Carnation.

Herd Tb. and Bang's Tested.

This herd is the result of DHIA testing work started 17 years ago. Records will be available for each cow. You will have an opportunity to buy cows whose 1946, first 6 months production indicates a herd average of 430 lbs. butterfat with individual records over 500 lbs., 14,000 lbs. milk on 2X—305 days. Present sire is a grandson of Governor of Carnation whose high production ancestry indicates another step-up in production.

ALL MILK EQUIPMENT WILL BE SOLD

Mr. Meyer's 320-Acre Finney County Irrigated Farm with many improvements, also sells, September 26th.

HERBERT MEYER, DEERFIELD, KANSAS, OWNER

Bert Powell, Auctioneer.

E. A. Dawdy, Sale Manager.
Jesse Johnson with Kansas Farmer.

REGISTERED HOLSTEIN BULL

FOR SALE

6-months-old, about three fourths black. Dam's DHIA record 604.2 lbs. fat, 3.9 test 2X. Dam's sire—Doxrua Pietertij Ormsby Dean, (grandson of Dora Pearl Veeman, the first 1,000 lb. E. F. cow in Kansas). His sire is a grandson of Fredmar Sir Forbes Triune. Description and price on request.

GEO. G. FLAMING

HILLSBORO,

KANSAS

BULL CALVES FOR SALE

We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days. Young bulls with high-production dams or granddams.

H. A. DRESSLER, LEBO, KAN.

Dual-Purpose CATTLE

RED
POLLS

THE "DOUBLE YOUR INCOME" BREED
Write for information and "Red Poll News"

Red Poll Cattle Club

3234 Starr Street, Lincoln 3, Nebraska

REGISTERED MILKING SHORTHORN COW

White, bred to roan bull, to calve in September. 5 years old, large and of Norwood breeding. At 7 years old her dam had produced \$3,000 worth of bulls and heifers. She is a very good milker. Price \$300.

ALLEN LOOMIS, JR.

VALLEY FALLS,

KANSAS

Milking Bred Shorthorn Bull

Brookside Mapperton 84th For Sale

R. M. Pedigree, calved Aug. 4, 1940, sired by Brookside Mapperton 22nd R. M. and out of the dam Brookside Floss 10th R. M. 846—322 lbs. Grand Champion Minnesota State Fair 1942; also a member of undefeated pair of cows. We also offer bull calves by above sire.

J. E. EDIGER & SONS

INMAN,

KANSAS

HILLTOP MILKING SHORTHORN FARM
High producing cows headed by Olwood Grim (by Gold Mine Jubilee RM). Cows of Hollandale, Northwood and Retnuh breeding, DHIA Records. Calfood vaccinated. Bulls from calves to serviceable age and a few cows.

HADLEY SNAY, PLEVNA, (Reno Co.), KAN.

WANTED: 10 GRADE MILKING SHORTHORN SPRINGER HEIFERS
Also a young registered Shorthorn bull. State description and price.

J. F. SCHWINN, Rt. 3, LEAVENWORTH, KAN.

September 21

Will Be Our Next Issue

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

Saturday, September 14

FAHLSTROM'S HEREFORD DISPERSAL SALE



**Tuesday,
September 24**

Under cover, all-weather
roads, 2 miles north
and west of

**Concordia,
Kansas**

45 LOTS

20 Cows and bred heifers, 6 of them sired by Advance Anxiety 15th 2435565 (grandson of Advance Mischief 1323063). 12 by Lamplighter M. Mixer 2770565, (grandson of The Lamplighter).

12 Head have calves at foot to the service and the others bred to the present herd bull, Real Anxiety Domino 66th by Real Anxiety Jr. (sire of the reserve car lot bulls at Denver this year, shown by J. A. Schoen & Son).

6 open heifers.

The herd bull above mentioned.

11 young bulls, 5 servicable age. All sired by the herd bull. All but 4 head of offering dropped on our farm.

Among the attractions will be 3 heifers sired by WHR Sufficiency.

This herd was established 25 years ago mostly with breeding stock from the Mousel and Coder Herds.

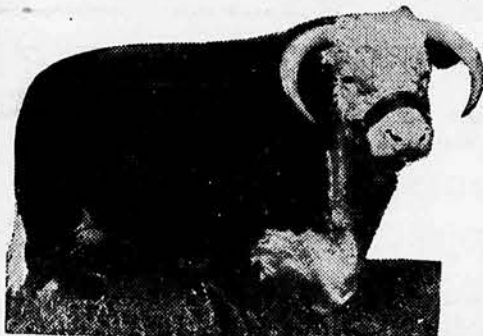
A good, useful lot of well bred Herefords selling without fitting.

For catalog address

ROY L. FAHLSTROM, Owner, Concordia, Kansas

Auctioneer—Guy L. Pettit. Mike Wilson and Jesse R. Johnson with Kansas Farmer

John J. Moffitt Hereford Dispersal



**Friday,
Sept. 27**

Selling at farm 3 miles east
and 1 1/2 miles north, then 1/2
mile east of Lenora (Norton
County), Kansas

46 Lots—All Reg.

Publican Rupert 2249000

Herd Bull, Dare P. Rupert, a son of Publican Rupert 2249000.
5 Bulls, sired by Prince Eddy Real and Real P. D. 133d.
22 Cows with calves at foot, by Dare P. Rupert and Prince Eddy Real. Cows sired by Publican Rupert and Kelvin 1480151.
6 Yearling Heifers by Prince Eddy Real and Domino Mixer 2440337.
12 Bred Cows by Publican Rupert and Kelvin. All bred to Don Edward 4062692.
All cattle tested for Tb. and Bang's. Good Herefords developed from a Hazlett foundation.

MRS. JOHN J. MOFFITT

For information and catalog write **VIC ROTH, Sale Manager, Hays, Kan.**
Auctioneer—Freddie Chandler. Jesse R. Johnson with Kansas Farmer.

Complete HEREFORD DISPERSAL Sale (Registered Horned and Registered Polled)



Porterfield Hereford Farms Sell

on

Thursday, September 19

Farm Location—3 miles east and 1/4 south of Grandview, Mo., on Raytown road slab, 17 miles southeast of downtown, Kansas City on 71 highway, then 3 miles east, or exactly 9 miles south of Raytown, Missouri.

56 HEAD SELL—7 Polled and 49 Horned Herefords. 9 bulls, 3 are Polled. 9 open heifers and 22 cows with 15 calves at foot. 4 females are Polled. Beau Baldwin, Superior Anxiety 170th, Super Anxiety 86th, Lamplighter and Prince Domino 25th breeding. Well built—perfectly marked—the right kind.

REASON FOR SALE—This sale is necessary to dissolve a partnership.

WRITE FOR CATALOG TO

Porterfield Hereford Farms, 7530 Wornall Road, Kansas City, Mo.
Auctioneer—Freddie Chandler, Charlton, Ia. Donald Bowman with Missouri Ruralist.

Continue Buying U. S. Savings Bonds

REGISTERED JERSEY CATTLE DISPERSAL

On farm mile south of

Republic, Kansas, Monday, September 23



35 Head—Every animal except herd bull dropped and developed by us.

18 Cows—2 to 5 years old. (9 to freshen by sale day.)

5 Yearling Heifers, Herd Bull (a grandson of Longview Observer, with a 479 fat record) balance heifer and a few bull calves.

We have used 4 bulls from the Copeland herd at Waterville, Kansas. All of them are out of high producing cows. The granddam of our present sire on sire's side was an "Excellent" cow.

The Jerseys have done well for us and are only being dispersed in order that we may take a vacation. Everything is Tb. and Abortion tested. The herd was established 23 years ago. For catalog address

E. L. PERSINGER, Owner, Republic City, Kansas

Auctioneer—James T. McCulloch. Jesse R. Johnson with Kansas Farmer.

Beef CATTLE

REGISTERED BEEF SHORTHORN BULLS

6-months-old to breeding age. The low-set thick kind. Sired by a son of Supreme Perth Champion out of good Scotch cows.

MILTON H. NAGLEY, Rt. 3, Abilene, Kan.

YEARLING SHORTHORN REGISTERED BULLS

Sired by Sni-A-Bar Strathmore. Good Scotch families.

S. B. AMCOATS, CLAY CENTER, KANSAS

Polled Shorthorns

We are offering one of our Herd Bulls, Royal Robin 2nd X2008220 and a few calves sired by him at this time. Write or phone in at Albert, Kansas.

HARRY BIRD & SON, ALBERT, KANSAS

Krotz Stock Farms, Aberdeen-Angus Cattle

Outstanding individuals of the most fashionable breeding. For sale at all times. Write us your wants.

M. J. KROTZ, Mgr., Odell, Nebr.

TOP HEREFORDS SELECTED FROM TOP HERDS

For several years we purchased the top selling heifers in many of the best sales held in Kansas and Nebraska. They are cows now that justify the high prices paid. 70 breeding females in the herd, mating with our good bulls, including Royal Triumph D 14th 123rd and his great son, Triumph 2nd. Herd inspection invited.

T. L. WELSH, ABILENE, KANSAS

Registered Aberdeen-Angus Cattle

For Sale, Choice Breeding.
L. E. LAFLIN
Crab Orchard, Nebr.

OFFERING REGISTERED HEREFORD COWS

Queen Domino 3613617, calved Feb. 13, 1942 and Ann Stanway 3489955 calved Dec. 1, 1941. Both raised good calves this year and will drop calves in October from the service of Martin's Beau 4231824-226459. Tb and Bang's tested.

MILTON HETTENBACH
Blue Top Ranch Chapman, Kansas

Reg. Hereford Cattle

Leading bloodlines, all ages. Lots to suit buyer. Prices for all purposes.

SHAWNEE CATTLE COMPANY, Dallas, Texas

SHEEP

Chappell's Shropshires

We offer our usual lot of Yearling Rams and Yearling Ewes sired by Chappell 691 and Shultz 338. Also two, two-year-old show rams. We are not showing this year, therefore our best sheep are available now. We invite inspection and correspondence. We ship on approval.

H. H. CHAPPELL & SON, Green Castle, Mo.

REG. SHROPSHIRE SHEEP

Stock for Sale.
FRED VAN DORP, Rt. 7, TOPEKA, KANSAS

In line with their past policy of doing everything possible to encourage Kansas youth to become interested in better strains of dairy cattle, the **KANSAS GUERNSEY BREEDERS ASSOCIATION** is selling 10 selected heifer calves, suitable for F. F. A. and 4-H projects, in their coming sale, with buying limited to Kansas F. F. A. and 4-H members.

• AUCTIONEERS •

Chas. W. Cole

LIVESTOCK AUCTIONEER

I am conducting sales for many of the best breeders in Kansas. Selling all breeds. For dates address me at Wellington, Kansas



BERT POWELL

AUCTIONEER

LIVESTOCK AND REAL ESTATE
1529 Plaza Avenue Topeka, Kan.

Frank C. Mills, Auctioneer Alden, Kansas

Ross B. Schaulis, Auctioneer

Purebred Livestock, Real Estate and Farm Sales. Ask those for whom I have sold.
CLAY CENTER, KANSAS

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	\$27.00	\$26.50	\$17.65
Hogs	21.50	24.15	14.50
Lambs	22.50	21.00	13.30
Hens, 4 to 5 lbs. ....	.23	.22	.26
Eggs, Standards .....	.35 1/2	.32	.34
Butterfat, No. 1 .....	.70	.67	.46
Wheat, No. 2, Hard	1.99 1/2	2.05 1/2	1.76
Corn, No. 2, Yellow	1.97	2.05	1.15 1/2
Oats, No. 2, White .....	.81	.81	.61 1/2
Barley, No. 2	1.44	1.40	1.07 1/2
Alfalfa, No. 1	31.00	28.00	25.00
Prairie, No. 1	19.00	16.00	13.50

Lambs Buy 500 Acres

There is money in lamb feeding if you gauge the market and have a supply of low-priced feed. That is the contention of Delbert Butts, Cowley county. Three years ago Mr. Butts fed 3,700 lambs. All but 1,000 of them were fed on a contract basis. In 120 days he netted \$1 a head.

Last year he fed 1,150 lambs in dry lot from November 10 to April 10. He sold the lambs at an average weight of 94 pounds. The net return was \$2.50 a head. Red kafir bundles and grain provided most of the feed. They also received some alfalfa hay, Mr. Butts says.

He uses no bunks for lamb feeding. He says Texas lambs are accustomed to eating off the ground so he feeds them on pasture land next to his barns. There is no waste.

In the last 15 years, Mr. Butts says lamb feeding has practically paid for 500 acres of land.

Livestock Advertising Rates

1/4 Column Inch	\$2.50 per issue
1/2 Column Inch	3.50 per issue
Per Column Inch	7.00 per issue
One-third Column Inch is the smallest ad accepted.	
Kansas Farmer is now published on the first and third Saturdays of each month, and we must have copy by Friday of the previous week.	

JESSE R. JOHNSON, Fieldman
Kansas Farmer - Topeka, Kansas

Southwest Kansas Livestock Breeders

ONLY APPROVED AYRSHIRE BULL IN KANSAS



Will be represented at the Ayrshire Sales, Hutchinson, October 19 and Horton, October 21. See our cattle at Hutchinson State Fair and the above sales.

Watch for future advertising in Kansas Farmer. Bull calves for sale at the farm.

WOODHULL FARM
G. FRED WILLIAMS
Rt. 2, Hutchinson, Kansas



Cornwell Hereford Farm

40 Breeding Cows in herd being mated to Super Lad 26th and Don Prince Domino 80th. Cows of Prince Domino Mixer, Real Prince and Prince Domino Return.

See our consignments at State and Central Kansas Association sales. Bull and heifer calves and a few cows for sale.

C. L. and JACK CORNWELL
St. John, Kansas



QUEEN OF HEARTS 2ND X
Undeclared in 1940
The dam of Red Coronet 2d.



Nonpareil Coronita 4th. Purchased at the Thiemans Sale at \$850.00. Dam of Coronet Prince Royal 2d.

Banburys' Polled Shorthorns

25 Bulls, 7 to 16 months old.
Sired by Red Coronet 2d. and
Bell's Royal 2d X, two of the
best bulls we have ever owned.

10 Heifers sired by or bred
to above bulls.

25 Heifers by above bulls.

We deliver by truck at cost
to any place in Kansas.

J. C. Banbury & Sons
Plevna, Kansas

1 mile west of Plevna. 22 miles west
and 6 miles south of Hutchinson, Kan.

(Reno County)



MILKING SHORTHORN DISPERSAL

(PRIVATE SALE)

35 Head—Descendants of the best General
Clay foundation. A grandson of White Moun-
tain Prince in service.

25 Cows and Heifers—Most of them in calf.
Serviceable age bulls, bull calves and heifers.
Herd established 25 years. Will sell one or all.

J. B. DOSSER, JETMORE, KAN.



MARDALE'S MILKING SHORTHORNS LEAD

Herd Sire—Bell Boy Lee, son of Strath-
bran Bell Boy, by Glenside Dairy King 30.
Dam—Lady Venus 8th, 11915—489 butterfat,
dam—Dorothy Lee Rose R. M. 10,915 milk
—487 fat Jr. 2-year-old by Fogathorne
Baron and out of Polly Primrose R. M.,
(first five lactations 52,975—2285 fat).

Bell Boy Lee is being mated with daugh-
ters of Holland Knave, son of Pride of North
"Excellent." His dam was Hollandale Hos-
tage R. M.

A good herd is no accident, they are bred
that way.

J. E. HUGENOT, Minneola, Kansas



HELDS' WHR DOMINO HEREFORDS

Since 1938

Our present herd bull, Royal Treadway 18th (bred by Moxley) is being
mated with females of high quality and breeding from the Mousel, Coder
and WHR breeding establishments. Our first females and the herd bull,
WHR Kamino 27th were selected from WHR. He was a son of WHR Star
Domino 24th.

We offer young bulls and females. Visitors welcome.

LEONARD HELD & SONS, GREAT BEND, KANSAS

Shepherd's Choice Durocs At Private Sale

15 Fine Gilts and young sows, tops in
breeding, type and quality, bred to Klassy
Tops and Uneeda Broadway for Septem-
ber and October farrowing. Our sow herd
is of Tops, Proud Cherry Orion, Golden
Fancy, Breed Builder, Fancy Pride, King
Orion and other leading families. They
are wonderful sows.

Special—3 Great Young 1-year Boars, real
ones, one by Orion Compact (Golden
Fancy, Violet, Red Type, Red Queen dam),
a real herd boar. One by Proud Cherry
Orion, (Breed Builder dam). One by Seco
Deep Set—dam a great Tops sow, good
enough to go anywhere.

A great lot of thick, deep, well grown,
quality Spring Boars. These will please
you.

We have bred and sold Durocs continu-
ously since 1904. Herd immuned. Write or
see these before buying.

G. M. SHEPHERD

Lyons,

Kansas



G. M. Shepherd

Ralstin Shorthorns



Divide Gold Porter and Edellyn
Dealer head our herd of choicely
bred Augusta's Rosewood and Mysie
Shorthorn females. Our herd is large
enough to offer breeding stock for
sale at all times. Watch for our
Shorthorn sale date this fall.



We also breed Palomino horses and have a few for sale at this time.

CLARENCE H. RALSTIN, MULLINVILLE, KANSAS



THE WHITE STOCK FARM



125 Reg. Shorthorns

A. L. Tone and Mercury Prince in
service. 50 head for sale.

60 Reg. Ayrshires

in service a son of the "EXCEL-
LENT" cow Diana. Stock for sale.

Herds Tb. tested and calfhood vaccinated.

Inspect our Ayrshires in the October 19 state sale.

C. L. WHITE, ARLINGTON, KANSAS

Plain Ayr Farms Ayrshires



Sires in service Woodhull Rare Jim, Whitpain King
Arthur and Neshaminy Prospect by Drummer who was
a full brother to Golden Boy the \$16,000 bull. Our herd
has been on D. H. I. tests since 1939. Yearly records up
to 375 pounds. Individual records as much as 400
pounds. Milk records 11,000 pounds. Herd is also Bang's
tested. We are consigning to the State Sale one cow
and two heifers by Woodhull Rare Jim. Fresh cows,
springer heifers and bull calves for sale at private
treaty. Visitors welcome.

H. L. and ROY RINEHART, GREENSBURG, KANSAS

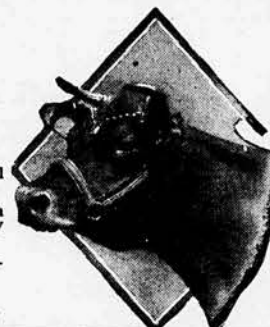
Brookside Stock Farm Reg. Jersey Cattle Since 1910

Herd Bulls—Wonder Boy and Volunteer (both bred by Hall
Mark Farm). Wonder Boy is out of a 481 butterfat dam.

70 Females in herd (all of them bred on the farm). Raleigh
and St. Mauws breeding. Fast time production records. Only
good producers stay in our herd.

For Sale—10 heifer calves and bulls from calves to service-
able age by Wonder Boy.

MARSHALL BROS., SYLVIA, KAN.



ROLLING ACRES



Has 4 V. G. young Jersey cows to
freshen soon. These are bred to a
V. G. bull. It would pay you to in-
vestigate the pedigrees of your next
herd sire now.

We Show Our Dairy Cows.
They Win Some Too.

JAMES COLEMAN, ARLINGTON, KANSAS

Rosenberger Polled Shorthorns

Herd Established in 1916

Herd sire Lord Protector, son of Coronet Command, 1941
International Grand Champion. We are preparing two out-
standing bulls and females for the Kansas State sale in
Hutchinson. We have nothing for sale at the present.

Visitors welcome.

W. A. ROSENBERGER, GREENSBURG, KANSAS



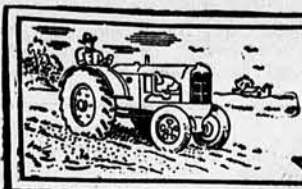
Successful Sales Depend

On having good stock to sell, sufficient ad-
vertising, and the employment of an ex-
perienced capable auctioneer. Such costs like
fees necessary to produce good breeding
animals are paid by the buyers in added sell-
ing prices.

Write early for sale dates.

HAROLD TONN

Haven, (Reno Co.), Kan.



The Tank Truck

News from Your Conoco Agent about Lubricants, Farm Fuel, and Service



"4 YEARS WITHOUT A DIME'S WORTH OF REPAIRS"



G. M. Kinsey and Conoco Commission Representative Anton Theis discuss reason-why buying of farm lubricants.

Making and selling farm lubricants as we do, we're vitally interested in farmers' reasons for buying. Not just general reasons like "good performance," or "fine service," but down-to-earth, specific reasons why—such as the record that's cited up above from one of the many letters farmers send us each year.

When we hear from a farmer with a record like that, we're pretty sure that Nth motor oil and other Conoco farm lubricants are really all that we try so hard to make them—and we're encouraged to go ahead and tell other farmers about them. But before we do any more talking about ourselves, we're going to let the farmer who made that record tell you about his experience. He's G. M. Kinsey, of Midland, Texas, and his letter follows:

"When I discarded my team for a Farmall H tractor 4 years ago," he writes, "a neighbor introduced me to Conoco Products. During cultivating, planting and harvest periods I work my tractors . . . two Farmalls now . . . day and nite. I drain oil once a week during these periods and seldom have to add a quart. My first tractor operated those four years without a dime's worth of repairs. Conoco's Nth motor oil, pressure lubricant . . . and the service rendered . . . are all the best."

Now that's as down-to-earth and to-the-point as any man's statement of preference could very well be—and it argues well for the quality of Nth motor oil and other Conoco lubricants. Well, it seems that other farmers will back that up, and from Lorena, Texas, we get the following concise statement, written by Steve Neckor:

"I have saved money on Repair Parts..."

"I prefer your products," he writes, "because I get less crankcase dilution . . . more hours between drains and more acres plowed with your gasoline. I also appreciate the courteous, prompt service given me by your commission representative, E. A. Bennett, Waco, Texas. I have one tractor I have used 10 years, and latest one 5 years, and they still give me excellent service, thanks to your superior products . . . I know I have saved money on repair parts for my equipment by using your oils and greases. . . . My farm . . . consists of 760 acres. I use the following Conoco products: Gasoline, kerosene, Nth Oil, Pressure Lube, Transmission Oil, Race-



Clyde R. Key with one of his 3 Case tractors.



Steve Neckor inspects an unusual power take-off rigged up on one of his 3 Farmall tractors.

lube, and have been a regular user of above for several years. I operate the following equipment: Chevrolet 1½-ton truck, International 1-ton pick-up, 2 Ford cars, one John Deere tractor, 3 Farmall tractors besides plow equipment."

From Guymon, Oklahoma, Clyde R. Key puts his name to the following statement about tractor performance with Conoco Nth motor oil. "... Uses less oil, stays cleaner, can operate tractor more hours per drain and less sludge is found when working on same."

Farming 1,512 acres and operating 3 Case trac-

AT YOUR SERVICE WITH:

Conoco Nth motor oil—Conoco HD oil
Conoco transmission oils—Conoco pressure lubricant
Conoco Pump-lube, Racelube and Cog-lube
Conoco Sufind grease, cup grease and axle grease
Conoco N-lane* gasoline—Conoco tractor fuel
Conoco diesel fuel—Conoco kerosene and distillates

*Trade Mark

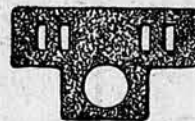
SHOTS from the GREASE GUN

An occasional column of general notes on greases and greasing. We hope these notes will help you to understand grease problems better—but, of course, if you're "on the spot" with a real problem, call Your Conoco Agent.

A lot has been said about the dangers of overfilling any anti-friction bearing housing, but in talking to farmers and other users of Conoco greases we found some misunderstanding about the reason for this. Frequently it is said that the danger in applying too much grease or in using a gun with too high a pressure lies in the possibility of damage to the nipple or other grease fitting. While in some cases this is a "danger," it doesn't begin to stack up with the real danger in overfilling any bearing housing. The thing to avoid is overheating of the bearing from resistance set up within a tightly packed mass of grease. Surprising? Yes, but a fact. Used improperly, grease can

Ideas that help to make work easier on the farm front are worth a dollar in any man's money! Send your original ideas to *The Tank Truck* in care of this paper—win \$1.00 for each of your ideas printed!

From Murray, Utah, Mrs. Clara Pease suggests the use of an automobile jack to elevate a mower tongue to exactly the right height so that a tractor can be backed on and coupled without the aid of a helper.



Floyd F. Van Camp of Hay Springs, Nebraska, sketched the handy hammer holder illustrated here. He cut it out of a piece of leather from an old shoe.

Up in Power, Montana, Mrs. H. E. Young bottle feeds her "bum" lambs from a bottle holder she devised. It is simply a discarded tricycle wheel wired to an old cream can. The bottles are poked through the spokes of the wheel and the can is filled with rocks to keep the "bums" from tipping it over.

tors, a combine, 3 drills, 3 plows, a pick-up, a truck and a car. Mr. Key has had plenty of opportunity to test Nth motor oil and other Conoco products during the 5 years he has used them.

So far, of the three men whose letters are quoted above, all have spoken up to base their preference for Nth oil on specific examples of good performance. And two of the three have spoken up in addition for the good service given by their Conoco Agents. Now here's a farmer who puts service first. He's Chalmers Hutchinson, Jr., and he farms near Caspiana, Louisiana.

Likes the Products—and the Agent

"I wish to take this opportunity," he writes, "to express my appreciation for the service rendered by your Mr. W. C. McClellan, for it seems that most men try to give as little service as possible and get all they can for it, but not so with Mr. McClellan. He wants to render the best service possible with a smile. He never lets our tanks run out and we appreciate that, especially at the busy time of the year. . . . Since we started using Continental Oil Co. products . . . we have found your Nth Motor Oil has minimized our repair bills in our tractors; also, we find we can run our tractors longer between drains and this, of course, cuts our cost of operation per acre."

In letter after letter the story is the same. Farmer after farmer is able to report in facts and figures that Conoco Nth motor oil and other products have consistently delivered fine performance . . . and that the Conoco Agents who handle them have delivered the products "Johnny-on-the-spot."

You'll find those same things yourself. In Conoco Nth motor oil, for example, you'll find that its special OIL-PLATING ingredient will give your engines extra protection against wear. This ingredient, the product of costly research, has the remarkable ability of fastening or OIL-PLATING lubricant to metal by means of the very same natural force that holds the molecules of any substance together. When it stays up in place like that on fine-finished working surfaces inside your engine, what a protection that OIL-PLATING is against wear—and against any great increase of the carbon and sludge that are caused by wear!

You'll find Your Conoco Agent ready to serve you, with his Nth motor oil and other Conoco products—and with his knowledge and experience in farm lubrication, too. Call him today. Continental Oil Company



become a source of friction, overheating, damage, destruction! Grease will properly lubricate a bearing and prevent its overheating only if used in proper quantities. A good rule to follow is: Never fill any anti-friction bearing housing more than one-third full. Another good rule—on kind and grade of grease to use, consult Your Conoco Agent.