

KANSAS FARMER

CONTINUING MAIL & BREEZE

FEBRUARY 1, 1947



Editor: C. W. Gray Inc. • Big D Division

Is After Two Things

TWO results are being sought by Elmer Johnson, of Saline county, in working out a temporary pasture program for his herd of purebred Herefords. He wants to support the same number of animals on less acreage than formerly, and to keep them as close to the farmstead as possible.

To date he reports the program is succeeding in both. At present he has 50 acres of brome grass in 4 fields which he uses for rotation pasturing, and 13 acres of Madrid sweet clover. Here is how his program has been working.

Brome is used during winter and early spring, enabling him to hold his cattle off native grass until May 1. This gives the native grass at least 2 extra weeks of growth and means more pasture when animals are put out on it. Then last summer during the extreme dry spell in July and August he put the cattle back on brome to save his native pasture and fed a little grain on the brome.

His sweet clover was seeded last May 9, extremely late, but he got a good stand. The idea of late seeding was to get the weeds killed first. Next to his sweet clover he has 5 acres of old brome and 25 acres of poor native grass arranged so the cattle can range over all 3 patches. This combination pastured 25 to 30 head of cattle this fall continuously from the first of September to November 21, and still looked good. Sweet clover will be rotated over the cropland to build up soil fertility.

Importance of seeding Auchenbach strain of brome grass is demonstrated on the Johnson farm. In one field seeded 3 years ago Mr. Johnson ran out of Auchenbach seed and finished with a northern strain. Today you can tell to the row where he changed seed. That sowed to Auchenbach made a good ground cover while you can still see the drill rows on the northern strain of brome.

Saves Many Steps

A lot of Kansas farms have egg-cooling and storage cellars, but most of them are under the house or near the house. Out on the Irving Brownlee farm, in Pawnee county, the egg cellar is under the laying house.

Mr. Brownlee believes he saves both time and labor by locating the egg cellar under the laying house. He has had a flock of 2,000 birds and carrying the eggs to the house several times a day was quite a chore.

Skim Milk Helps Layers

Skim milk fed to laying hens does something. Floyd Hays, Allen county, says he has been feeding skim milk to his layers for years. But about December 1 he started selling whole milk. In 10 days' time he could tell the difference in the size of eggs his flock was laying. More than that, his production dropped from more than 100 eggs a day to 70 and 80.

Senator Capper on Radio

Every Sunday afternoon at 4:45 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breeze
Topeka, Kansas

Vol. 84, No. 3

ARTHUR CAPPER	Publisher
H. S. BLAKE	General Manager
Raymond H. Gilkeson	Editor
Dick Mann	Associate Editor
Edward W. Rupp	Associate Editor
Florence McKinney	Women's Editor
Dr. C. H. Lerrigo	Medical Department
James S. Brazelton	Horticulture
Mrs. Henry Farnsworth	Poultry
Jesse R. Johnson	Livestock Editor
J. M. Parks	Protective Service
Roy R. Moore	Advertising Manager
R. W. Wohlford	Circulation Manager

Member: Audit Bureau of Circulations, Agricultural Publishers Association, National Publishers Association.

Published the first and third Saturdays each month at Eighth and Jackson streets, Topeka, Kan., U. S. A. Entered as second class matter at the post office Topeka, Kan., U. S. A., under Act of Congress of March 3, 1879.

Three years, \$1; one year, 50 cents.

Royal Jupiter, Grand Champion, 1946 International Livestock Exposition, was purchased by Firestone to be exhibited to the farmers of America on a 22,000-mile educational tour.

Two Firestone CHAMPIONS

ROYAL JUPITER, 1380-pound Short-horn, Grand Champion steer at the 1946 International Livestock Exposition, best shows today's demand in beef cattle. And on American farms, the New Firestone Champion Ground Grip is the Champion among tractor tires.

As the Champion, this new tractor tire cleans up to 100% more effectively . . . pulls up to 62% more at the drawbar . . . lasts up to 91% longer . . . and rides smoother on the highway.

There are sound reasons for this. The curved traction bars flare outward from the center, making a wider opening at the shoulder from which mud and trash fall easily. There are no open centers to collect and hold mud and trash. The connected bars take a powerful "center bite" in the heart of the traction zone. The extra-deep, pyramid-like curved traction bars cut sharply into the ground with a cleaving action. The extra height, plus buttressing at the base and Triple-Bracing near the center, give the bars greater strength and stability. Continuous bars give the Champion smoother contact with the highway . . . lengthen tire life.

When you order new tractor tires, or a new tractor, ask your Implement Dealer, Firestone Dealer Store, or Firestone Dealer to specify Firestone Champion Ground Grips.

Copyright, 1947, The Firestone Tire & Rubber Co.

WRITE FOR FREE BOOKLET

Firestone has prepared a beautifully illustrated 16-page booklet which tells in detail how Royal Jupiter was fitted and shown to the Grand Championship of the 1946 International Livestock Exposition. To receive your free copy, clip and mail this coupon today.

THE FIRESTONE TIRE & RUBBER CO.
1200 Firestone Parkway, Akron 17, Ohio

Please send me free copy of
"Royal Jupiter—Grand Champion."

Name _____

Address _____

City _____

State _____

ANY OTHER TRACTOR TIRE

Bourbon County Farmers Declare War on Coyotes

WAR has been declared on coyotes in Bourbon county. An organization of farmers and sportsmen, the Bourbon County Wolf Hunters' Association, killed 75 coyotes last winter and bagged 15 during their first 2 drives this season.

It all started about 4 years ago. Bert Hamilton, Fort Scott blacksmith, was living on a farm south of the city. He said he could see coyotes looking at him from every direction. They were a menace to stock in that neighborhood. He planned a hunt and 7 were killed on a section adjoining his farm.

Soon after, the hunters organized. They first covered the area south of Fort Scott. Now they cover the whole county. Each Sunday during the winter they meet at predetermined places and stage 4 or 5 roundups. The size of each drive depends on the number of men available. It varies from 1 section up. Sometimes they cover 9.

Who Gets the Money?

What happens to the money collected for the coyote scalps? It is a sporting proposition. The hunters get their money's worth in fun. Last year much of the bounty went to the servicemen's canteen in Fort Scott. Of course, there always are some expenses. Last year a fire destroyed some fence. Source of the fire was not determined but the hunters' organization had the fence rebuilt. They keep the drives orderly.

Bill Beth, Hammond, is president of the group this year; Earl Stewart, Fulton, is secretary-treasurer, and Lee Johnson, Garland, is recorder. Mr. Garland sees to it that weekly notices about hunts appear in the papers.

In addition to these officers, the association has captains in each area to direct the respective hunts. They go about it in a business-like manner.

Diversifies Crops For Full Production

ALTHOUGH his main livestock program consists of producing feeder calves for market, LaVerne Spears, of Shawnee county, diversifies both livestock and crop production for 2 reasons. One, to fully utilize his year-round labor supply. Two, to get maximum production from the farm while conserving soil, and to insure some income every month during the year.

To do this, his 65 head of Hereford cows are supplemented by 75 head of ewes, 5 to 8 sows, 8 dairy cows, and a flock of 250 laying hens.

One hundred thirty-five acres are

terraced, some slopes are planted on the contour, and 65 acres are seeded to brome grass for seed and pasture. Soil-building crops include 15 to 25 acres of alfalfa, 15 acres of sweet clover, and 20 to 40 acres of soybeans. Crops grown on the farm include alfalfa, wheat, corn, oats, sweet clover, soybeans, and atlas sorgo. In recent years 10 acres of peach trees have been set out and produced for the first time in 1945.

Crops are planned to produce all feed and roughage necessary for the livestock.

Eat All You Want

At noon the hunters are taken to a schoolhouse in the community where food is served by a 4-H Club or possibly a Ladies' Farm Bureau unit. Eat all you want and pay for what you eat, is the way Mr. Hamilton describes the luncheons. Several former school buildings in the county have been given to 4-H or community clubs and the hunters often meet at these at noon.

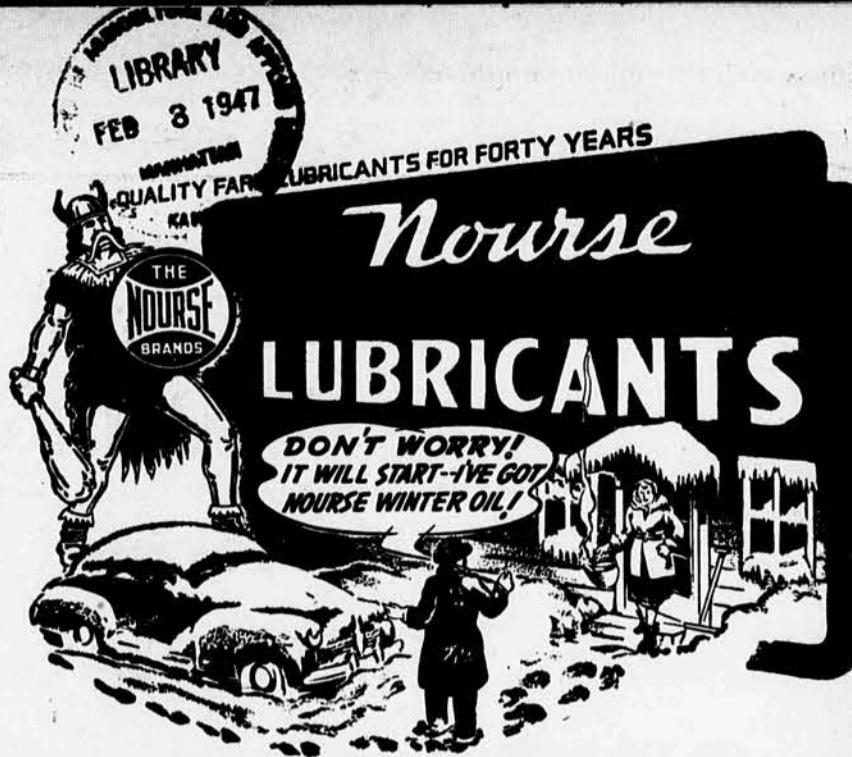
During the war it was difficult to find enough shells. They were rationed to the hunters 4 for a quarter, and the shells were for coyotes only. A pot-shot at a rabbit would have been fun but that luckless hunter would have found it difficult to get more shells.

Now shells are more plentiful and a number of ex-servicemen are taking part in the drives. Mr. Hamilton says they walk too fast for him to keep up, but he still goes with them.

The association has a goal of 100 coyotes this season. Once each week shot-guns can be heard in Bourbon county as the hunters try to rid the area of prairie wolves. There still are lots of them left, but these organized hunts are making inroads on the coyote population.

Extra Precaution

Injury from scythes is prevented, as well as damage to blades, by greasing them and covering with sections of old inner tubes before they are put away for the season.—A. B. C.



Start Right Now!

Even at 20° to 30° below zero, with **NOURSE FRICTION PROOF MOTOR OIL** in the crankcase. It is weather conditioned for safe lubrication when it's needed most.

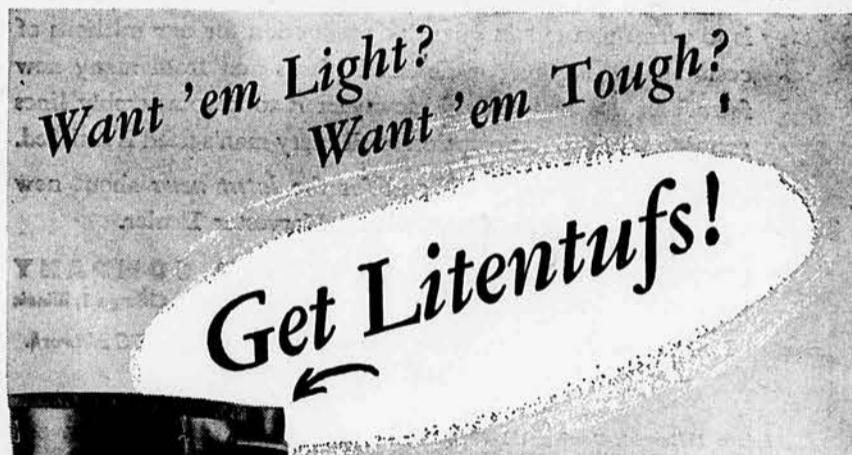
NOURSE FRICTION PROOF WINTER MOTOR OIL is a PREMIUM TYPE OIL blended by the special Nourse Homogenizing process — It cleans dirty motors — Keeps clean motors clean.

Homogenizing assures uniform lubrication of the highest quality. It is an advanced process that Nourse uses to meet the demands of the toughest farm lubricating needs.

See your Nourse dealer today. Ask him about the complete line of Nourse weather conditioned lubricants.

NOURSE OIL COMPANY
Kansas City 8, Missouri

"Business is Good!"



B. F. Goodrich Litentuf Farm Footwear is built to give you warmth and protection with solid comfort, plus. They're light, which means your farm work will seem easier. Yet they're so tough you'll find there's miles of service in every pair! Farmers themselves have proved Litentufs are built to take rough wear of farm work. Real know-how in rubber compounding makes 'em extra stretchable, too. A cinch to get on and off, more comfort when you wear 'em. Ask for Litentufs... they're a real buy in long wearing foot protection!

Footwear by
B.F. Goodrich
FIRST IN RUBBER



Remember—an increased yield of only two bushels to the acre will not only pay the cost of PIONEER Hybrid Seed Corn but will yield a NICE PROFIT in addition. Can any farmer afford to plant any hybrid that is less superior in yield than PIONEER?

Garst & Thomas Hybrid Corn Company
Coon Rapids, Iowa



IH and the IH dealer will do their level best for you in 1947!

ONLY one thing is *new* in that headline. International Harvester and the IH dealers have been doing their *level best* for generations in the interest of American agriculture.



McCormick—One of the great American brand names—leader in farm progress for 116 years.

So what's new in it? Well—there's that figure 1947. A brand-new season is coming up, and we believe that things are going to be a lot different.

In recent years, "level best" hasn't been good enough.... In every community in the land the farmers have been repairing and mending old equipment, and getting by—waiting in line at every dealer's door with patience and tempers wearing mighty thin.... Right this minute a thousand farmers are asking "When's my tractor coming, and those new machines that were promised me months ago?" It has been hard to take—for farmer and dealer and manufacturer alike.

Every farm operator knows that the Harvester Company has perfected many new products, competently engineered and tested, fully qualified to take to the fields.... Our problem now is to turn them out in quantity production for our millions of customers, from long established plants and from many new factories. Our hope for this new year is to keep assembly lines running without interruption until every man's need is satisfied.

For winter service work, and for the latest news about new equipment—see your International Harvester Dealer.

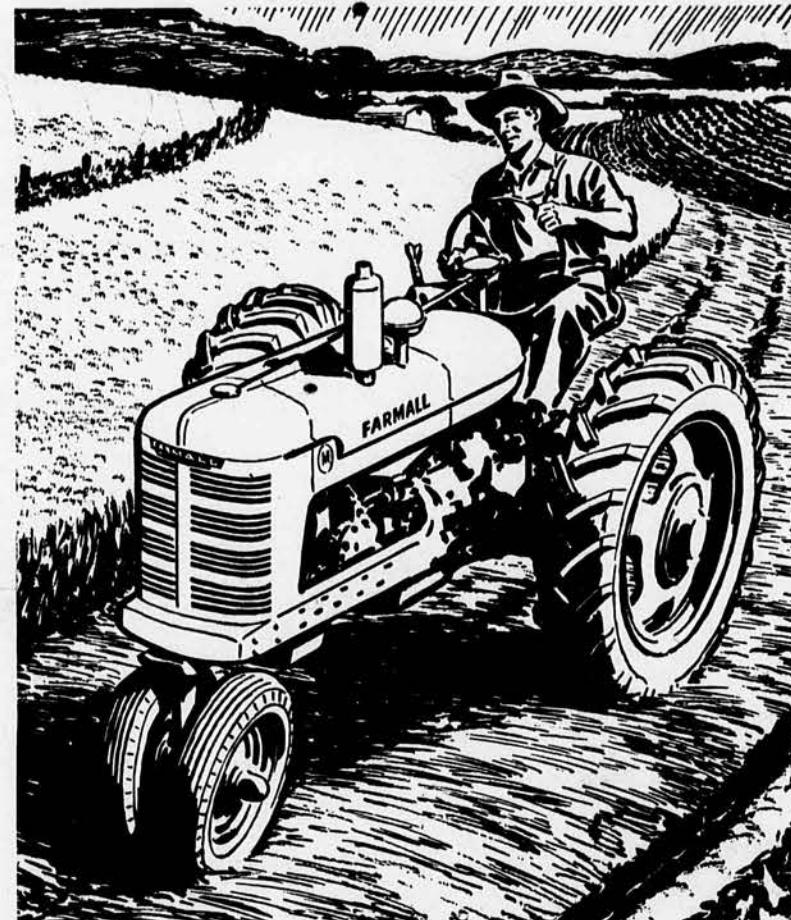
INTERNATIONAL HARVESTER COMPANY
180 North Michigan Avenue Chicago 1, Illinois

Tune in James Melton on "Harvest of Stars" every Sunday! NBC Network.
See newspaper for time and station.

Below: McCormick-Deering 123-SP Self-Propelled Combine. Other coming International developments: smaller combines; 2-bottom, 2-way plow; sugar beet harvester; tractor touch-control; whirlwind terracers; milk coolers, home freezers and refrigerators.

Below: McCormick-Deering One-Man Pickup Twine Baler. Production of this most popular baler won't keep up with demand this season. Many other new hay machines are in various stages of development by International Harvester engineers.

Below: The New International No. 24 2-row Tractor-Mounted Corn Picker. Coming International machines include new 1-row corn pickers and cut-off corn pickers. Spreader for fluid manure, and tractor-operated power loader, now available.



Fight Soil Erosion! Soil conservation is every farmer's obligation in 1947. Farmall Tractors and Farmall Equipment are designed for farming on the contour.

* * *
Remember that "FARMALL" is a registered trademark—Farmall Tractors are made only by the International Harvester Company.
* * *

Below: International Cotton Picker. New plant, under construction at Memphis, will build this machine in limited numbers this year.



INTERNATIONAL

Power Farming Equipment

HARVESTER



Mrs. Laird, shown here and on the cover of this issue, with Raasad, is as enthusiastic about the horses as Mr. Laird, and as skilled in operations of the ranch.

The Philippine government is negotiating with Mr. Laird for Raasad, an outstanding young stallion shown here with the breeder.

FROM the hot sands of the Arabian desert to the lush pastures of the famous Kansas blue-stem country is quite a jump, even for an Arabian horse. Yet one of the largest Arabian horse ranches in the central states is located in Kansas. It is the William E. Laird Arabian Horse Ranch, in Greenwood county.

Some 18 years ago Mr. Laird was an engineer working long hours in an office. As a hobby that would take him out-of-doors he started breeding American saddle horses and later Thoroughbred race horses.

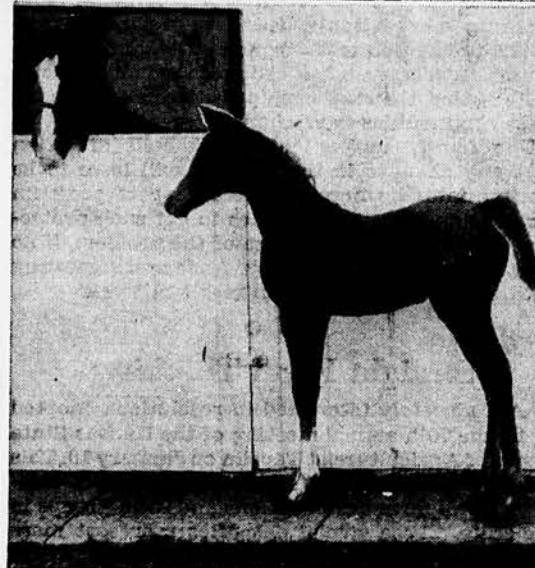
Eleven years ago he purchased an Arabian filly when there was only one other Arabian owner in the state. Soon after that he bought a stallion named Raas from Santa Fe, New Mexico, and started building a registered herd. Raas, now 25 years old but still the herd sire on the ranch, originally was owned by Cyrus McCormick, of McCormick-Deering fame. The first Arabian stud colt born in Kansas was sired by Raas and was out of the gray mare shipped in by Mr. Laird the previous year. The colt was named Nimraas. At the beginning of World War II, Mr. Laird disposed of all his other horses and concentrated on the Arabians.

But before we tell you too much about the Laird horses it might be well to give you a little history about Arabian horses in general, as they are not well known by the average farmer. The reason for this is that breeding stock in this country is very limited. According to the Arabian Horse Club of America there have been only about 2,700 purebred Arabians registered in the United States.

First purebred Arabian stud colt born in Kansas was Nimraas, shown here frolicking with his mother, Falda, foundation mare of the William E. Laird Arabian Horse Ranch, Greenwood county. The picture was taken 10 years ago.

This Kansas Farm Business Traces Back to the . . . **ARABIAN DESERT**

By DICK MANN



The young stallion being groomed on the ranch as future herd sire is Raflow, shown here as a colt. He now is a 4-year-old.

The original Arabian horses came largely from the Arabian desert, and from England, 5 or 6 from France, 1 or 2 from South America and Spain, and more recently some 25 from Poland. The majority of registrations in this country are from the get of these imported horses. By far the largest number of Arabians in this country are in California, which also has the most breeders, altho there are breeders in almost every state.

A subspecies, rather than a made breed, the Arabian is distinctive in that there are no throwbacks to other blood. The Arab has been bred pure for so many centuries that his appearance, type

and characteristics remain the same wherever he goes and wherever he is raised. For centuries the Arab horse has been exported to all parts of the world to make breeds of horses and to improve other breeds. Yet he is the same horse today that he was originally in his native desert country.

To be exact, the Arabian is a highly specialized desert product and close descendant from the primitive bay stock of Arabia. History records show him as the immediate progenitor of many of the European breeds of today, thru mixing of his desert blood with that of the northern horses. Arabian blood, thru the Thoroughbred, played a potent part in foundation of the Hackney of England, the Percheron and Demisang of France, the Orloff of Russia, and the Morgan and American saddle horse in this country.

As a breed Arabians are small, wiry, long-lived, and very gentle. Their skeleton, in comparison with other breeds, has relative shortness of skull, slenderness of the lower part, larger size brain case, 2 less vertebrae in the back and tail, and a more horizontal position of the pelvic bone. They also have many other minor differences. One of the best descriptions of the Arab horse is said to appear in the Bible and is the only mention of a horse in the Bible.

Arabians run 14 to 15 hands high at the withers and range in weight from 800 to 1,000 pounds on the average. They eat about one half the amount of feed consumed by European breeds, due to generations of living on [Continued on Page 22]

Deraa 1513, one of the fine registered Arabian mares on the Laird ranch. Mr. Laird is the largest breeder of Arabians in Kansas.



Farm Matters

AS I SEE THEM

I DON'T like to cry "wolfe," but I am getting more and more disturbed about the outbreaks of foot-and-mouth disease in Mexico. The Senate Agriculture Committee is going into the matter, as also is the House Committee, of which Rep. Clifford R. Hope, of Garden City, Kansas, is chairman.

If it develops that the Mexican authorities are not equipped to handle the situation, it may become necessary for our Congress to enact legislation, and also to provide funds, to attempt to eradicate the disease in Mexico. Such an investment would be money well spent if we can't stop the dread disease before it crosses the boundary line into the United States.

Last week Secretary of Agriculture Anderson appeared before our Senate Committee, of which I am chairman, and sketched the background of the postwar farm problem as the Department of Agriculture sees it.

We in Kansas are interested in wheat. Here is what the department sees for wheat in the immediate future. By the way, he said world demands for food are so heavy that for the years just ahead it will not matter whether we have any reciprocal trade agreements.

Discussing wheat, he went back to the fall of 1945, when the other nations estimated their needs for wheat would take 225 million bushels from the United States up to June 30, 1946. The United States representatives at the international food conference warned that was not enough, and the total was increased in December to 325 million bushels. Then the deficit countries poured in their demands, and the actual exports instead of 225 million bushels, were 450 million bushels of wheat up to last June 30.

For the current marketing year (ending June 30 next) he said the exports will run to 400 million bushels exported by March 31 next, and may go to 500 million bushels by June 30.

Secretary Anderson believes that the demand for wheat will continue for another year at least. He says tractors and fertilizer are not available in sufficient supply to produce the food needs of Europe, India and China. Also that the carryover of wheat this year is going to be very low.

Now Secretary Anderson may be overly optimistic over the demand for wheat in the coming 2 years. But his conclusions are based on reports and estimates from men in his department who should be in position to know. He says he does not believe American wheat growers should reduce production schedules in advance on the assumption that we cannot hold reasonable export markets.

I can see very plainly that we are going to have to call on Secretary Anderson to come before us again to work out the problem of price supports in the 2-year period ending December 31, 1948. I feel that the Congress is entitled to specific recommendations from the Secretary whose job it is to administer those price support programs. If he does not have any idea as to how the prices are to be supported, and the degree of production control necessary to readjust production of various crops to meet changed conditions—well, I just feel that he ought to have some ideas. I believe that he has, and that he should give those ideas to our committee as the basis from which to start.

However, Secretary Anderson did make four recommendations to the committee.

No. 1 was that the Commodity Credit Corporation should be continued as a Federal corporation with capital and borrowing power at the levels now authorized by Congress. He says the CCC will

be indispensable in handling the price support programs thru 1948.

I can agree with the proposition. Congress must provide the agency to handle these programs, which conceivably might call for expenditures from the Federal Treasury as high as a billion dollars in one year.

Secretary Anderson also recommended that some of the restrictions on sales of commodities taken over by the CCC be lifted. At present the CCC cannot sell these at less than parity—Congress wrote that in to prevent the Administration from unloading its stocks and thereby depressing market prices.

Also it was suggested that the parity formula should be revised.

I do not believe anyone would quarrel with that suggestion. It has been pretty well understood that one of the objects in rewriting the national farm program is to revise the definition of parity. Manifestly, production methods and costs, and to some extent, markets, have changed so much since 1910-14 that the relationships between and among farm commodities have changed greatly.

The fourth suggestion simply calls attention that any changes in the formula will have to be worked into the 2 years' price support program for the non-basic commodities to get such protection. I think we got a picture of the problem, if no programs, out of Secretary Anderson's meeting with the agriculture committees last week.

Straight Farm Thinking

I AM sincerely interested in resolutions adopted by the 76th annual meeting of the Kansas State Board of Agriculture at Topeka on January 10. This meeting brings together the duly appointed delegates of all farm organizations and farm groups in the state. These official delegates represent more than 100,000 Kansas farmers and stockmen. What they have to say is important to everyone in our state, and to the entire nation.

Sensing the continued unrest in this country, and taking the broad viewpoint of more satisfying living for everyone, these delegates, in their unquestioned loyalty, spoke up first of all for national unity. "For a strong America, commensurate with the talents and ideals of her citizenry," they said, "we feel it is imperative that all people work together for the common good." They favor organizations to promote the welfare of various groups, so long as they do not seek self-betterment at the expense of others.

I think farmers live up to this ideal better than any other group. Mainly, farm organizations are for improvement of crops and livestock, something that will benefit every person in the entire nation.

Our Kansas farmers do not like the threat of crippling strikes hanging over our heads—they make no threat of that nature, will have none of it in their own ranks. So I am not at all surprised that these Kansas farm folks meeting at Topeka said: "We agree with the proposal for some form of arbitration of industrial disputes that will prevent work stoppages which jeopardize the national economy and safety. We favor early legislation to that end." I can assure my Kansas farm friends

that such legislation will get every consideration here in Washington.

Now, for their part, Kansas farmers are not asking for special favors. All they want—and what they must have—is an even break. Speaking their minds in the Topeka meeting, they said that for the good of all people, including

those in agriculture, they favor farm prices in line with, but neither higher nor lower accordingly than, prices of other commodities and services.

"Our idea of fair prices would provide farm incomes adequate for a good standard of living on farms, and at the same time allow for some expenditure of effort and income on the fundamental task of conserving soils, which serve as the very lifeblood of our civilization," they said. Now, to my mind, nothing could be more fair; nor could their case be stated more honestly or for that matter more clearly.

Showing their determination to stand on their own feet, these delegates, representing more than 100,000 Kansas farmers and stockmen, have this to say in regard to their farm price policy: "We believe it should be the aim that farm incomes be maintained thru fair farm prices, rather than by any combination of prices and subsidies. We believe, likewise, that security for farm people can best be provided by fair prices, rather than by extension of the Federal social security law to include farmers."

With an eye to improved and permanent agricultural production, the Kansas delegates took a stand approving development of water resources in the Missouri and Arkansas river basins thru existing Federal and state agencies now co-operating in current water and reclamation activities. They want wide research and education on weed control with all states co-operating. That certainly is a problem which needs a great deal of attention in the interests of economical production of higher quality crops. They reaffirm their endorsement of rural electrification as a godsend to farm living and to the business of farming, and urge that the program of rural electrification be given every possible opportunity for continued expansion.

I say there is no selfish word or idea in those resolutions. They dovetail right in with the high standard of thinking and action established by our Kansas farm people. They ask nothing of special privilege or special favor; they ask only those fundamental things that will be for the good of all. I am very proud of the sound, thoughtful, unselfish resolutions adopted by my Kansas farm friends at this Board of Agriculture meeting. They would be a good guide for any organization to follow. If this whole country would subscribe to similar ideals in the various fields, we would wipe out a great many of our troubles; we could get along toward a higher standard of living for all.

Let me take one moment here, please, to thank the delegates for their expression of pride in the fact that two Kansans now head the Senate Committee on Agriculture, and the House Committee on Agriculture here in Congress. It is due to the confidence you Kansans have in us that we are here. I can promise you that both Congressman Clifford Hope and I will do our level best to bring honor to our home state of Kansas.

Washington, D. C.

Farm Problem Dumped in Lap of Congress

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—The Hon. Clinton P. Anderson, South Dakota farm boy, New Mexico insurance man, Democrat congressman, secretary of agriculture, responding to congressional requests, appeared before the Senate and the House Committees on Agriculture last week. The committees asked him for an Administration farm program for the postwar period. The Honorable Anderson complied by dumping not a farm program, but the farm problem, in the laps of the committees.

However, Secretary Anderson highlighted some of the problems that face American agriculture in the postwar period. The following excerpts from his statements before the two committees give the general trend of Department of Agriculture thinking on the subject:

"Sound, long-time objectives for agriculture. . . . Briefly, the kind of

agriculture we all want is the kind that will provide adequate supplies of farm and forest products, and give farm people returns on their efforts that are on a par with those enjoyed by other groups who make comparable contributions to the general welfare.

"We all want to see greater efficiency in farm production and mar-

keting for the benefit of both producers and consumers; an improved standard of nutrition and better living standards generally for farm families; avoid waste of our natural resources.

"We are concerned with a desirable pattern of production and marketing for the future and not with reconversion to a prewar situation."

Reference frequently has been made to the immediate postwar farm price support program. This provides that (Continued on Page 23)

Dairy Makes Farming Safe

DAIRY, alfalfa and wheat form the basis for a good, safe farming combination, says Ralph Hornbaker, Stafford county. After a dispersal sale of his Holstein herd, Mr. Hornbaker is retiring from his farm because of health. But 3 sons will continue the dairy farm operations.

Except for a year in the army, Mr. Hornbaker taught school from 1916 to 1926. It was during the inflationary period after World War I, he says, that he contracted for a depleted farm at \$100 an acre. The wheat he was able to produce averaged from 10 to 14 bushels. In 1930 he says he had to make a radical change in his farming operations or go broke.

Mr. Hornbaker made the change and prospered. Here is how he did it. He sold off his entire herd of mixed cows that had abortion among them. He replaced them with good, grade Holsteins and a registered Holstein bull. The following spring he seeded 60 acres of alfalfa. After that he seeded 40 acres or more of alfalfa each year and plowed under about the same acreage.

This legume rotation helped considerably. His 720-acre farm today is far more productive than it was. With 50 or 60 head of cattle around, about 200 tons of manure are applied to the soil each year. This combination of quality Holsteins, alfalfa and wheat has been very profitable, he says.

Income from milk alone during 1945 was more than \$5,000. Besides that he has had the income from about 300 acres of wheat each year, 100 acres of alfalfa, feed and temporary pastures.

The Hornbaker Holsteins are a federal-accredited herd. The cows are blood tested each year. He started production tests on his herd in 1943 and has been producing grade-A milk the last 2 years. Every animal on the place, except the herd bull and one registered cow, was bred and raised on the Hornbaker farm.

The Hornbaker story does not end here. He bought a registered Holstein heifer for each of his 4 sons and 1 daughter when they became 10 years old. Today 3 sons still at home have 17 registered cows and heifers of their own. The boys are keeping their stock, Mr. Hornbaker says, and will take over the dairy, alfalfa and wheat farm in the future.

Need Rain Regulator

If all rains were gentle, it would not be necessary to list feed crops on the contour, according to Joe Schreiber, Barton county. But if you do not list on the contour, anything but a gentle rain will cause the soil to wash.

Mr. Schreiber does not always list his feed crops on the level, but he has seen times when it pays. It does more than save the soil, he says. A gentle rain from one fourth to one inch will soak in better and produce a better crop.

Keeps Flowers in Place

After having my pan of flowers tipped off the big stump in the back yard, I took the clamps off an old auto hood and nailed them to the stump top. The pan can be removed for filling or emptying the dirt yet stays in place. I got the idea from the shop where the men had the gasoline pan used for cleaning small parts fastened to the workbench.—R. E. L.

1947 Record Book

There is nothing handier than a pocket-size record book to keep records and other useful information for the farm. Arrangements have been made with Continental Steel Corporation to distribute free just such a notebook to readers of Kansas Farmer. It will save you time and money in 1947 and will show you just where your business stands. There is space for egg, poultry, livestock and crops records, besides income tax and other valuable information. Address post card to Farm Service Editor, Kansas Farmer, Topeka, for your copy of the record book.



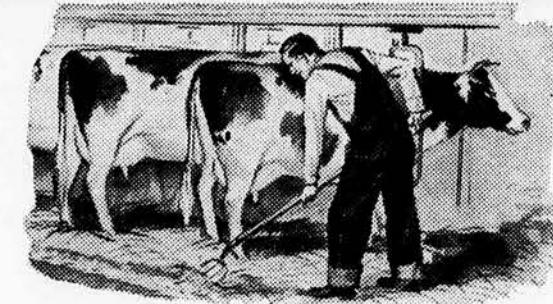
In February the good dairyman plans for summer!



PLAN YOUR PASTURE PROGRAM NOW.

Fertilizer on starved pastures yields great returns. (Example: \$270 in increased milk from \$36 worth of fertilizer for a Wisconsin farmer*.) Plan supplementary pastures for good grazing through hot, dry months. Fertilizer and legumes will help you grow more nutritious pastures and hay for abundant feeding throughout the year. Get the recommendations of the County Agent and our field service man.

*Milk sold at \$3.15 cwt.



Bed 'em down heavy these winter nights

FIVE SUGGESTIONS ON WINTER FEEDING FOR MORE MILK

- ✓ Give your cows as much available roughage as they'll eat.
- ✓ Go heavier on the concentrates than usually recommended.
- ✓ Give fresh milkers and heavy producers more grain than low producers.
- ✓ Dry cows and heifers should get plenty so they'll be in good flesh at calving time.
- ✓ Fresh water is vital, too. Always have it in front of your cows—as much as they can drink.

Kraft Foods Company
Chapman Dairy Co.
Franklin Ice Cream Co.
Harding Cream Co.

DIVISIONS OF NATIONAL DAIRY PRODUCTS CORPORATION

MAKE YOUR FUTURE MORE SECURE WITH

MORE MILK PER ACRE



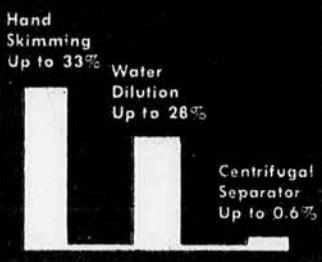
STOP BUTTERFAT LOSSES!

... USE CENTRIFUGAL SEPARATOR URGES AMERICAN BUTTER INSTITUTE



YOUR CREAM BUYER KNOWS!

The American Butter Institute strongly urges farmers selling butterfat to do their separating with a good centrifugal cream separator. The purpose of this recommendation is (1) to help the butterfat producer earn more, (2) to eliminate waste and (3) to improve butterfat quality.



The chart at left shows comparative butterfat losses with hand skimming, water dilution and the centrifugal separator as given by the American Butter Institute. In addition to its far cleaner skimming the centrifugal separator produces cream of uniformly higher quality and fresh, warm, sweet skim milk for young stock, pigs and chickens.

EARN MORE WITH A NEW DE Laval SEPARATOR — IT WILL PAY FOR ITSELF!

Regardless of size and price, every De Laval Separator skims cleaner, lasts longer, costs less per year of use.

Size	Pounds of Milk Separated Per Hour	Gallons of Milk Separated Per Hour	Amount of Milk Separated in 10 Minutes
No. 14	550	64	11 gal.
No. 18	800	93	16 gal.
No. 19	1150	134	23 gal.

There's a De Laval Separator Just Right For You!

Size	Pounds of Milk Separated Per Hour	Gallons of Milk Separated Per Hour	Amount of Milk Separated in 10 Minutes
No. 2	225	26	5 gal.
No. 3	300	35	6 gal.
No. 4	400	46½	8 gal.
No. 5	500	58	10 gal.

SEE YOUR DE Laval DEALER FIRST!

THE DE Laval SEPARATOR COMPANY

165 Broadway, NEW YORK 6 • 427 Randolph St., CHICAGO 6 • 61 Beale St., SAN FRANCISCO 19



DE Laval

The Unloading Chute

All readers of Kansas Farmer are cordially invited to express their opinions in these columns on any topic of interest to farm people. Unsigned letters cannot be considered and no letters will be returned.

Put On More Tax

Dear Editor: Here is how to have better roads for the farmers who live on the farm. Just put more tax on the man who lives in town or some other state but owns land in Kansas. These guys take everything they can off the land so they won't have to pay taxes. They are the ones who say we don't need any better roads.—George Groth, Satanta.

I think hunters and fishermen would be willing to see a share of their license money go for rural roads. Every hunter and fisherman uses the township roads in his county. The state sells him a license but the farmer furnishes him a place to fish and hunt.

For years it has been more or less of a mystery just what becomes of the license money. The fish and game department publishes no budget and their annual report never reaches the public. They are a political orphan inasmuch as they are not responsible to either party. In our county it has been a game of everything going out and little coming back except from Mother Nature. In 10 years the hunters, fishermen and trappers in this county have paid out well over \$30,000 and have received a few cans of fish and not over a couple of hundred quail and a few odd partridges and pheasants. These birds cost us hundreds of dollars apiece and the fish might well be gold-plated.

So a large share of this license money might just as well go for roads. It would promote a better feeling among farmers. For instance, when ducks come in the fall, a hunter can tear up plenty of roads and his car. In the spring the fisherman pulls plenty of mud home from the creek. One time a group I was with took 5 hours to drive 9 miles. Three or 4 times after rains we have detoured 20 miles to come 8 miles.

Putting some of the license money on roads wouldn't solve the problem, but it would help. I wonder how other sportsmen feel about it?—C. L. Wallace, Wyanotte Co.

An Unfair Tax

Dear Editor: Referring to our road problem in the Kansas Farmer of January 4, you say the farmers are being paid back. Some of them have been. But I have not. I am in 3 benefit district, the roads built by the Hodge law, the county, one half; township, one quarter, and the landowners, one quarter. I am on the Woodward and Garette road and have paid one fourth cost of these roads. As I understand it, the state has got to take over these roads before I can get my money back. Is that right or have I overlooked something?—Cleveland Gress, Wyanotte Co.

For Greater Benefit

Dear Editor: You ask for letters from farm readers on the subject of Kansas road improvement. I think the farmer would be more greatly benefited if this extra gasoline tax would come back to the township and be used on the township roads, instead of all being used on the secondary roads.

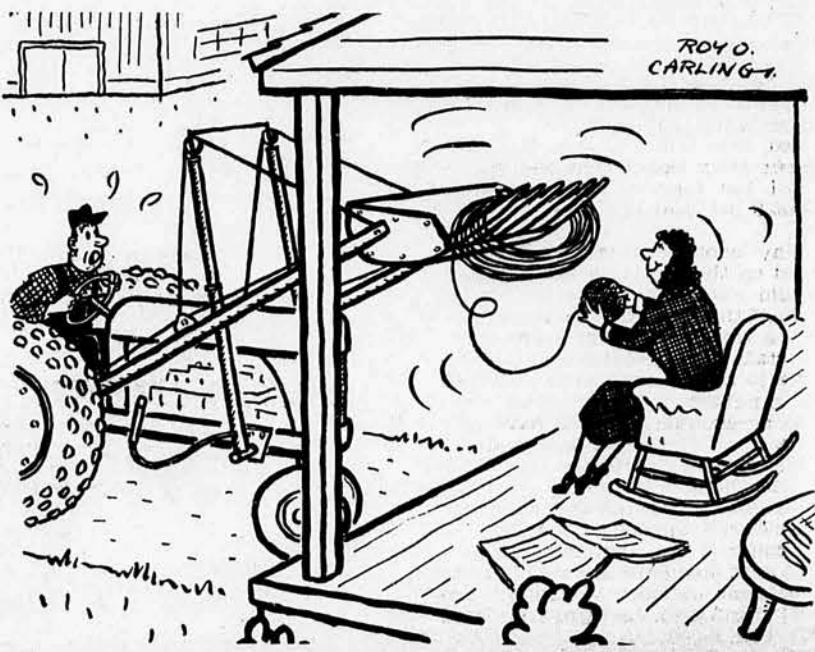
I am a trustee in Darlington township, Harvey county, and farm 320 acres, which I own, and I use quite a lot of gas. Have also talked to other farmers about it, and I think they all would be willing to pay the 1-cent gas tax if they felt they were getting a benefit from it.—J. H. Powell, Sedgewick.

Pay a Mud Tax

Dear Editor: The whole story on roads is that they try to hold the levy too low. The public pays a mud tax nevertheless. The 1-cent tractor gas tax is not too bad. . . Tractors hauling hay and other farm products on the roads should pay their way.

And I also hear about the good roads in other states and the poor roads in Kansas, having relatives in Oregon and California. But, just as your article stated, they get on a thru highway and stay on it until they get within 25 or 30 miles of Linn county, then they start talking about our roads. In the first place a lot of soil in the west makes a better road without hard surfacing than ours does with crushed rock on it.

I believe in paying as we go. But if all our road officials are like the ones we have had here in Linn county lately it wouldn't make any difference how much money they had. We haven't any road work to show for any taxes since the war started. And they say we are out of money from 30 to 90 days before every taxpaying time. Now we are told we cannot expect any road work for at least another year because of the indebtedness. It takes all our money for salaries and interest.



"Gee whiz, Aunt Mary, hurry up—I've got other things to do!"

I am paying around \$280 tax on one half section of hills and hollows and my personal property, besides the tax on every piece of machinery or repair, and on all the fuel I burn. But I do hope they leave that 1-cent tax on tractor fuels. Don't believe it would hurt anyone very bad. I burned about 2,800 gallons of fuel, which only amounts to \$28....

What we need is more crushed rock on what roads we have, with bigger and more permanent culverts and bridges to carry the water, instead of a few big wide roads scattered over the county....

If we have to raise the tax to build roads let's do it. Why vote bonds and pay some big banker interest plus the bonds?—Paul C. Singer, Parker.

Too Much Graft

Dear Editor: I read in the January 4 issue of Kansas Farmer what to do to find some way of raising more money for our highways and roads. We do not have any highways in Kansas so far as I am concerned. What I want to know is what has been done with the millions paid in and no roads. Ask anyone who has traveled in Kansas.

Last fall I drove to Kansas City, and after passing Lawrence it was about as bad as driving over corn rows. We have the same kind of road from Manhattan to Wamego. The fields that I farm are smoother than our roads. The big trouble with our Federal and state governments is too much graft. —Clarence Ruthstrom, Manhattan.

Just a Gravel Road

Dear Editor: I have lived on mud roads in Kansas for 35 years. For the last 25 years we have been 3½ miles from a gravel road to market, paying taxes, both road and gas tax, all these years. We do not object to the taxes and would willingly pay the extra 1-cent gas tax if we could have an improved road.

We do not ask for an 80-foot highway, graded, filled, or leveled, with sweeping round corners. Our cars can still climb hills and negotiate a round turn. All we ask is a reasonable, graded roadbed with gravel.

Why put all the money on a few superhighways for nonresidents to travel and the taxpayers drag thru the mud? In our county they seem to go over the same roads—rebuilding bridges, widening—when they are already good roads and wide enough for the travel on them. This is a mail route, and, with the school consolidated, it will be a school bus route.

Why try to match Government funds for highways? Take our own highway taxes and build roads at a reasonable figure. Sometime in our lives, we, the forgotten farmer, would like to have just a gravel road to town.—Mr. and Mrs. Bernal Paston, Anthony.

The Fair Thing to Do

Dear Editor: I read your article "Kansas Road Problem" with much interest. We have in our county 303 miles of county road. A lot of it has black-top and the rest has gravel or sand on it. Only 300 miles of this is eligible for state and Federal aid. Now they are tearing these roads up and building them up to state and Federal specifications.

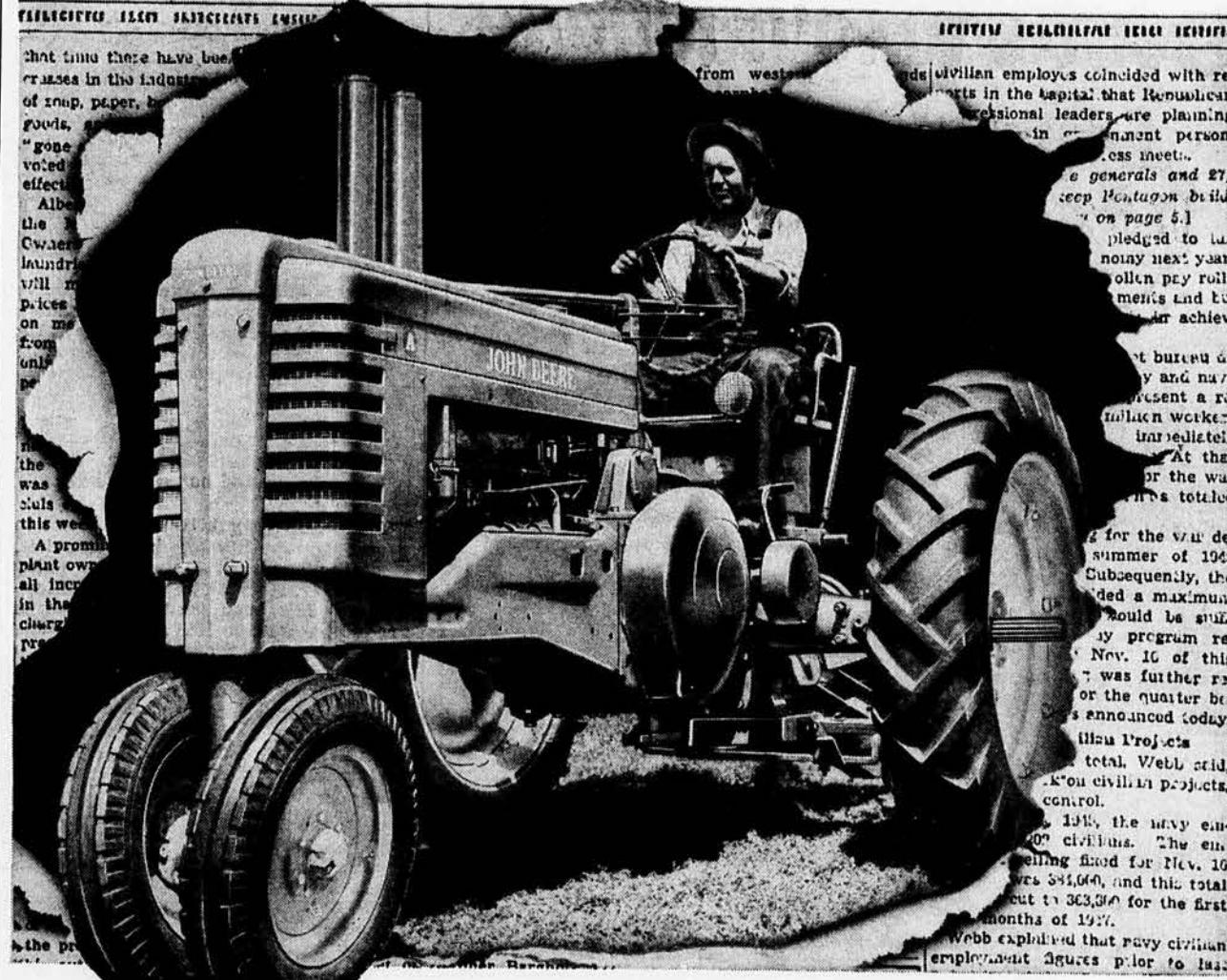
These roads are adequate as they are now. Most farmers are still living on dirt roads and will be living on dirt roads when this program is completed, thus will get very little direct benefit from this 1-cent gas tax. The 1-cent tax represents an increase of about 9 per cent in the price of gasoline.

Why should the farmer alone be taxed on the power in his business to rebuild roads which are already adequate. I think the fair thing to do is to levy a tax on all power consumed in the state (gas, electricity, steam) in order to raise money for a road-building program. I'm sure there would soon be enough funds to really build roads.

If this couldn't be done then the tax on gas should be raised to 2 cents a gallon and be exempt for agricultural and industrial purposes.

I honestly feel that the farmer has been sold down the river.... I think the legislature should look into this matter and give the farmer a little relief. The 1-cent tax is not doing us much good.—H. E. Stucky, Moundridge.

Have You Heard the NEWS?



...about the *New JOHN DEERE* "A" and "B" TRACTORS?

It's news that is news!

Now, there's a new, even more efficient, more economical John Deere engine—the Cyclone. It's available in both the "A" and "B", either as an all-fuel engine or as an engine specifically designed for gasoline with increased compression and even more power. This gives you a choice of four power sizes.

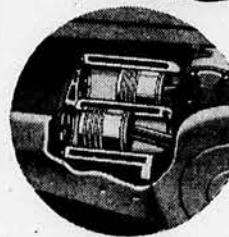
There's Hydraulic Powr-Trol—another exclusive John Deere development—that raises and lowers integral and drawn equipment or adjusts it to any desired working position at a touch of your hand.

And there are such new features as adjustable deep-cushion seat and roomier platform that greatly increase comfort and relieve fatigue... built-in self-starter and automatic choke for easier starting... automatic crankcase ventilation that requires no servicing... swinging drawbar that's adjusted in or out, high or low, without tools.

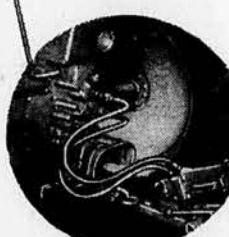
That's just part of the story behind these great new tractors. More than twenty advanced features put them way ahead of the field—in performance... in ease of handling... in operator comfort... in tractor value!

Naturally, all the outstanding advantages that made John Deere tractors famous have been retained in these new models. Their exclusive two-cylinder design remains unchanged because no other tractor design has yet been developed that offers such economy, dependability, and long life—the down-to-earth reasons for selecting any tractor.

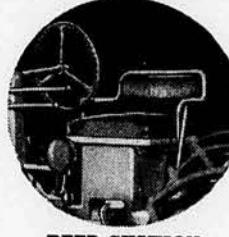
Keep in touch with your John Deere dealer and arrange to see these new "A" and "B" Tractors with their complete line of working equipment at your earliest opportunity. You owe it to yourself to see them before you buy. Free literature mailed upon request.



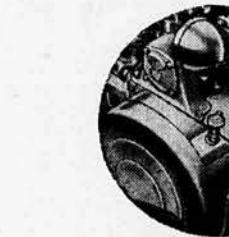
CYCLONE ENGINES



HYDRAULIC POWR-TROL



DEEP-CUSHION SEAT



STARTER AND LIGHTS



BATTERY UNDER SEAT

JOHN DEERE
MOLINE ILLINOIS



JOHN DEERE
QUALITY FARM EQUIPMENT

Rich and Full-Bodied—Yet Gentle to Your Tongue



It's the fine, rich-tasting tobacco that's specially treated to insure against "tongue bite"—Prince Albert ...the world's largest-selling tobacco!

R.J. Sullivan

BELIEVE ME, THERE'S NO OTHER TOBACCO LIKE PRINCE ALBERT FOR PIPE COMFORT AND TASTY SMOKING. I'VE SMOKED P.A. FOR YEARS

"Prince Albert clicks with me on every count," says R. J. Sullivan. "I like that rich, mellow flavor. And P. A. always smokes smooth and cool. Gentle to my tongue. Gives me my money's worth every time."

TUNE IN Saturday Nights N. B. C.—Prince Albert's "GRAND OLE OPRY"

for pipes or roll-your-owns

PRINCE ALBERT

R. J. Reynolds Tobacco Company
Winston-Salem, North Carolina

THE NATIONAL JOY SMOKE



USE **AEROVENT FANS.**

VENTILATE HAY AND GRAIN
Reduce loss from weather—fire—mold.
Green, high protein hay increases milk production, makes fast gains.

Wayne D. Shier, R. No. 2, Gypsum, Kan.

EASILY INSTALLED

From our big blueprint.
Drawn by us for you.

KoolHay Way

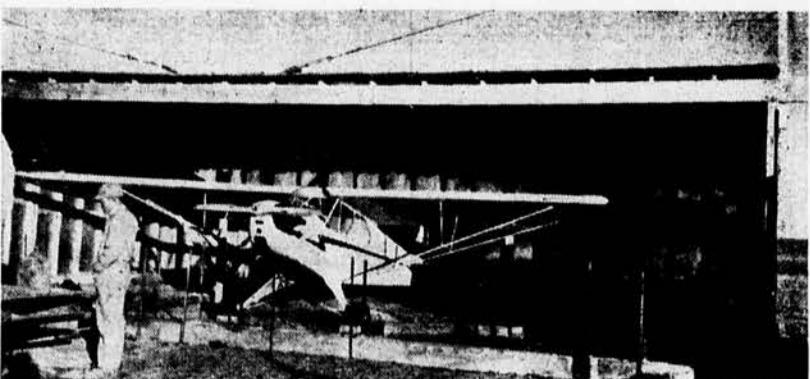
FRED MUELLER INC.
STOCKMEN'S SUPPLIES

Write today for our
WINTER CATALOG No. 84

Saddles, Western Wearing Apparel, Riding Equipment

FRED MUELLER, INC.
401 Mueller Bldg., Denver 2, Colo.

Shelter for Plane and Tractors



Norman and Dennis Buchler, of Scott county, are proud of their new hangar, just completed. They bought a Piper Club plane last August and have runways both north and south and east and west. The hangar was constructed just at the edge of the pasture next to the farmstead. While they were at it the boys made the hangar large enough to house a couple of tractors.

More Money From Quality Eggs

IT TAKES very little extra work to get top-quality eggs to market, states Rayburn Hofman, of Riley county. Mr. Hofman has about 300 layers and has been selling eggs on a graded basis since 1927. His premiums for quality run from 3 to 7 cents a dozen, with an average of 4 cents a dozen for year-round production.

He keeps more litter in the nest, gathers the eggs twice daily, and places them in a cool place immediately. Marketing is done 2 and 3 times weekly.

The Perry Packing Co., of Manhat-

tan, which buys the Hofman flock eggs, claims that Mr. Hofman often has 28 dozen Grade A eggs out of 30 dozen marketed. For the last 2 years Mr. Hofman has sold an average of 3,000 dozen eggs a year and has realized an extra \$120 a year profit due to quality.

The 2 Hofman daughters, Bonnie and Kay, have their own flock of 100 layers as a 4-H project. Profits from this flock pay for their music lessons and give them their spending money.

Both girls are taking piano and violin at Manhattan.

These Chickens Support a Family

JUST getting back into the poultry business after working in a war plant during the war, M. W. Walters, of Riley county, plans to make chickens support his family.

He is starting out with 550 White Leghorns and is selling eggs on a graded bases. His flock consists of all pullets but one of his December sales slips showed that he had marketed 59 dozen specials, 27 dozen extras, and only 2 dozen trades and checks.

During November his flock returned a gross of \$352.78. Feed costs totaled \$135.27, which left him a profit of \$217.51 for the month. This profit was made despite the fact he has to buy all his feed as he has no farm land.

The new, recommended community-type nest is used and Mr. Walters claims it does reduce the number of

dirty and broken eggs. Eggs are gathered 3 times a day in wire baskets and taken immediately to the basement. Marketing is done several times weekly.

"People told us that chickens wouldn't pay where we had to buy all our feed," says Mr. Walters, "but with proper care of a large enough flock, chickens will always pay." It takes Mr. Walters an estimated one hour daily to check, clean, and case the eggs from his flock. He doesn't believe that hour is wasted.

"Chickens always paid us as much or more on the money invested than any other project when we were farming," says Mr. Walters. He believes now, however, that the day is coming when poultry will not pay except for those who maintain large flocks and specialize on them as one of the major projects of the farm. "Competition is going to be too keen for the average farm flock as now handled," he believes.

Look Over Progress

Membership in Kansas 4-H Clubs jumped from 17,000 to more than 20,000 during the past year, according to J. Harold Johnson, state 4-H Club leader. This report was made during 4-H Achievement Week.

Calling attention to the fact that Kansas 4-H Clubs had bought and paid for a state camp site during the year, Mr. Johnson stated that future goals would include improving the site. First improvement is to be a swimming pool, he announced.

Happy Days for Sluggish Folks



WHEN CONSTIPATION makes you feel punk as the dickens, brings on stomach upset, sour taste, gassy discomfort, take Dr. Caldwell's famous medicine to quickly pull the trigger on lazy "innards", and help you feel bright and chipper again.

DR. CALDWELL'S is the wonderful senna laxative contained in good old Syrup Pepsin, to make it so easy to take.

MANY DOCTORS use pepsin preparations in prescriptions to make the medicine more palatable and agreeable to take. So be sure your laxative is contained in Syrup Pepsin.

INSIST ON DR. CALDWELL'S—the favorite of millions for 50 years, and feel that wholesome relief from constipation. Even finicky children love it.

CAUTION: Use only as directed.

DR. CALDWELL'S SENNA LAXATIVE
CONTAINED IN **SYRUP PEPSIN**

Save 1/3 Your Feed Costs
Grind Your Own Grains and Roughages with

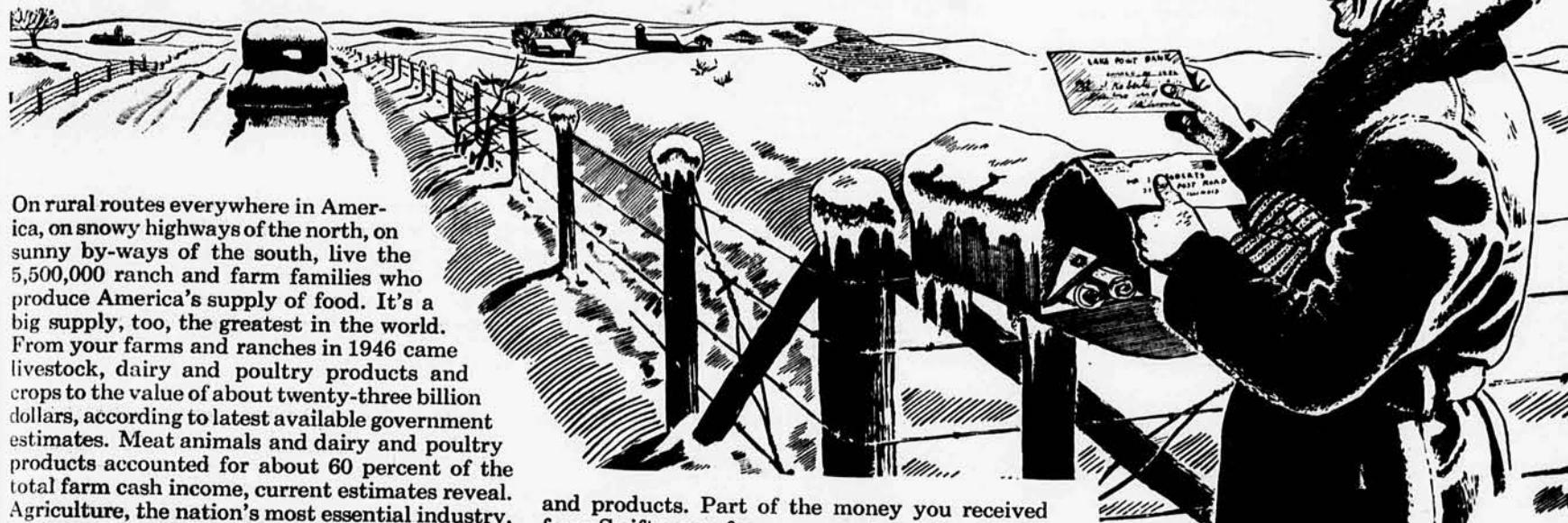


One of finest mills ever offered. Takes all farm grinding faster, easier. Exclusive adjustable hopper plate licks "hard to handle" roughages. Never break hammers with 4-way cutting action protect the mill and protect you. Welded, dust-tight—nothing to shake loose. Quick-change screens. No cutters, rollers, chains or augers to get out of order. Taper roller bearings. A leader for 18 years—thousands in use. Write for folder and low prices.

MYERS-SHERMAN CO. 1508 12 St., Streator, Ill.



Check for \$981,660,783



On rural routes everywhere in America, on snowy highways of the north, on sunny by-ways of the south, live the 5,500,000 ranch and farm families who produce America's supply of food. It's a big supply, too, the greatest in the world. From your farms and ranches in 1946 came livestock, dairy and poultry products and crops to the value of about twenty-three billion dollars, according to latest available government estimates. Meat animals and dairy and poultry products accounted for about 60 percent of the total farm cash income, current estimates reveal. Agriculture, the nation's most essential industry, is "big business" in every sense of the phrase.

Of all your cash income last year, \$981,660,783* came from Swift & Company in payments for livestock and other agricultural raw materials. We purchased your livestock and other products and converted them into millions of pounds of quality meats, valuable by-products, other foods



Soda Bill Says: . . . what's wrong with people is not their ignorance, but the number of things they know that aren't so.

For People . . . By People

We at Swift & Company think of our business as being owned by 63,365 people, the shareholders and their families, and operated by 66,000 employees. We provide essential services for agricultural producers and many other large groups of people. Employment is created for other thousands who work for railroads, trucking firms, livestock commission houses, stockyards companies, and the suppliers who furnish us salt, sugar, boxes, barrels, machinery and a thousand-and-one other things. A part of the business of thousands upon thousands of retailers everywhere in the nation is in conveying Swift's quality meats and other products to millions of American families.

In return for all the effort that made these services possible, the folks who work for Swift earned \$164,013,099 in wages and salaries in 1946. This sum is 88% of the total remaining after all bills except taxes were paid, and is ten times more than the company's total net profit.



FEED VALUES ARE SOIL VALUES

by Wm. A. Albrecht
University of Missouri

Recently a farmer friend of mine told me, "I've moved to another farm where I get bigger yields in all my feed crops. But even though I shovel much more corn and pitch a lot more hay, I can't get my calves to market as early. I'm just not growing as much meat per acre."

This man doesn't realize that feed bulk is no indication of feed value. Livestock will not gain more on larger rations unless the feed value of any crop is derived from the basic plant food elements found in the soil. The crop must first build up the woody structure that makes up its bulk. Then, if soil conditions are right, the plant will store up a supply of the raw materials of protein, vitamins, and mineral compounds. Thus, whether a crop offers anything more than bulk and fattening power depends on the condition of the soil on which it grew. Livestock may be fed great quantities of feedstuffs produced on poor soils and still fail to gain weight. It is soil that has been guarded against erosion, fertilized properly, and carefully managed, that grows nutritious crops. Such soil will produce crops that give better feeding results and make more meat per acre.

Swift & Company
UNION STOCK YARDS, CHICAGO 9, ILLINOIS
Nutrition is our business — and yours

and products. Part of the money you received from Swift came from our meat packing plants, dairy and poultry plants and buying stations. Another portion of the money paid out by us was for soybeans, cottonseed, peanuts and other raw materials.

Swift provides a wide, ready, year-round market for your livestock and other products—and out of every dollar we receive in a year from sales, we return, on the average, 75¢ to you. Last year, 1.3¢ out of each dollar of sales was profit. Part of this amount was paid out as dividends to the 63,365 shareholders as a return on their investment. Part was retained in the business for future needs.

*The actual amount paid for livestock and other agricultural products is greater than shown by the amount of the subsidies paid by the Government.

Returns for Savings. It is not the investment of a few rich people that has built Swift & Company, but the pooled savings of 63,365 people. Among them you'll find farmers, ranchers, lawyers, doctors, mechanics, business people—folks from every walk of life . . . including 29,941 women.

The savings these shareholders have invested in Swift & Company provide the plants and facilities—the tools with which we handle your products. The return for their thriftness comes to them as dividends paid out of the company's profit. In 1946 that dividend amounted to \$1.90 a share.

"WHERE DID THAT \$1,308,364,155 GO?"

During 1946 Swift & Company received \$1,308,364,155 from the sale of its products and by-products. By the end of the year the Company had earned a net profit of \$16,394,739, which is slightly less than 1.3¢ on each dollar of sales.

What happened to the rest of that money?

Well, the largest part was paid to farmers and ranchers who sold us livestock and other agricultural products. They got \$981,660,783* or 75¢ out of the average sales dollar we received for products sold, including all by-products such as hides, wool, soybean meal, etc.

The next largest portion of our sales dollar went to all Swift employees. Their share of the dollar was 12.6¢. Fuel barrels boxes paper salt sugar and other supplies took 4.8¢ out of the average dollar.

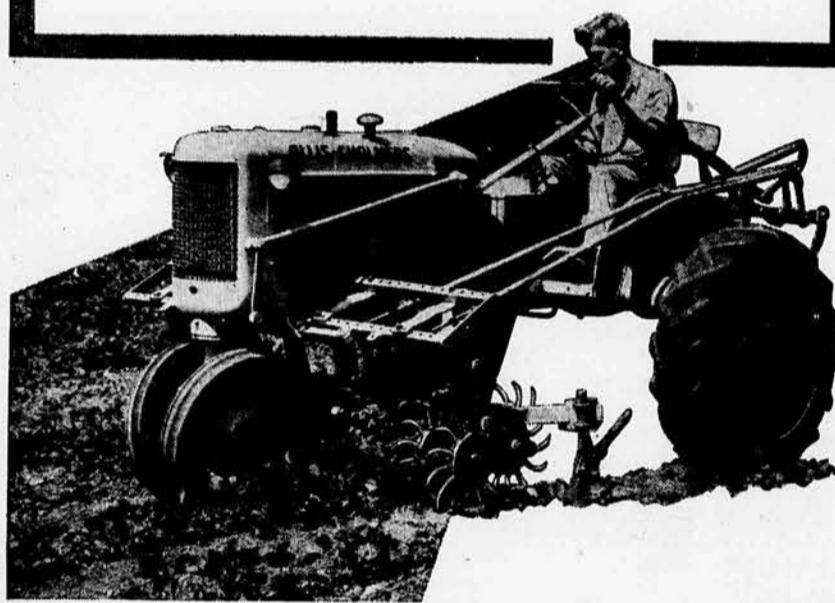
Transportation took 2¢. (Meat travels, on the average, over 1,000 miles from producer to consumer.)

Taxes took another 1¢. All other expenses, including depreciation, interest and miscellaneous business costs, amounted to 3.3¢.

All these costs taken out of the sales dollar left 1.3¢. This was Swift & Company's net profit in 1946—a profit of only 1/4 of 1¢ on each pound of the millions of pounds of products and by-products handled.

Wm. B. Traynor, Vice President & Treasurer

Cultivate at 6 m.p.h.?



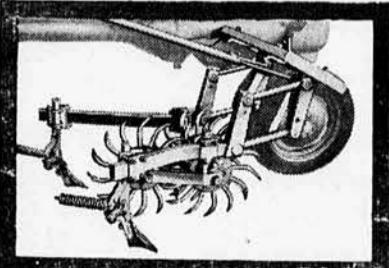
...it's easy when you
LOOK AHEAD

Cultivate in high gear...the first time over? Allis-Chalmers tractor owners have found that with a rotary hoe cultivator attachment they can actually do a better job, traveling at that speed.

FRONT-MOUNTED Cultivators make it possible. The tedious eye-strain of watching each young seedling is eliminated, because all you have to do is look ahead and follow the row. Rotary hoe "fingers" lift out the weeds.

What's more, you needn't even stop at the ends. Touch the hydraulic lift — the cultivator is raised and lowered automatically. Set the DUAL DEPTH CONTROL to the proper depth and there it stays.

Farming can be that easy — the Allis-Chalmers way.



Rotary Hoe rolls over the row

When weed seed sprouts are still fine, white hairs, you can get almost a 100 percent kill with the rotary hoe attachment. Easily mounted on all Allis-Chalmers tractor cultivators, replacing inner shovels and shields.

ALLIS-CHALMERS
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

AN INVITATION from Everett Mitchell: "Every Saturday is a Beautiful Day in Chicago. That's when to tune in the NATIONAL FARM AND HOME HOUR (NBC) for news, music and markets. We invite the whole family to listen as guests of Allis-Chalmers."

What Do You Think About Parity Prices?

FARMERS attending an outlook meeting recently at Topeka got into some interesting discussions on parity prices. The wide difference of opinions among farmers indicated how complex a job it is to keep farm prices in line with what the farmer buys, yet avoid the pitfalls.

Farmers generally agreed that parity prices fixed on some past historical period, such as 1910-14, is like trying to fit horse and buggy days into the day of the airplane.

The 1910-14 base period, these farmers believe, has the following faults: It doesn't give any information on need for current production or encourage consumption. Supply and demand during the base period doesn't have any relation to present supply and demand. For instance, despite record wheat crops in late years, there is at present 18 per cent less wheat per capita than in 1910. People are eating 45 per cent more fresh fruits and vegetables now than in 1910, and dairy products consumption is 35 per cent higher per capita than in 1910. The parity based on 1910-14 doesn't take any of these things into consideration.

Parity prices, based on any period, tend to freeze the production pattern without regard to demand, think some farmers. If this results in surpluses in some commodities there is no way to force the consumer to eat them.

Other farmers believe that Government support of agriculture thru parity prices doesn't help the farmers who need it. In other words, the small farmer. When high prices are guaranteed there is a tendency for the little fellow to get squeezed out and the big operator to get bigger. They also encourage poor farming practices that are detrimental.

Controls Seem Part of It

Another inevitable result of guaranteed prices, some believe, is surpluses and Federal controls. Few farmers felt that the Government could make good on guaranteed prices over a period of years without any controls on production. Some farmers felt they would prefer taking their chances on supply and demand setting the prices and not having the controls. Others felt it would be better to be sure of good prices and accept some controls.

But, they agreed, controls don't always work out. Seasonal conditions, rather than acreage planted, usually determine the size of the crop. For instance, one farmer pointed out that he had left one of his fields fallow for a year to fit the production patterns. The next year his crop on that field was twice the normal yield, so his production was just about what it would have been had he continuously cropped it.

However, if a parity base is used, farmers at the meeting felt it should change with economic changes so a true relation could be maintained between what farmers buy and what farmers sell.

Another farmer pointed out that letting supply and demand control farm prices was no longer adequate because both industry and labor had monopolies in their fields and held control over both production and prices of things farmers must buy. Farmers can't produce in a free market and buy in a closed market, was his opinion. The question then was raised by a group leader whether 3 closed monopolies would work any better than 2 do now.

During the next few months farmers will be hearing much about 2 alternatives to the parity base system. One is forward pricing based on supply and demand. Under this system

the Government would announce in advance the support prices on wheat, say, for the next 3 years. These announced prices would reflect expected demand and supply. Farmers might be left to work out their own acreages of the various crops or the Government might determine the acreage figures.

The other alternative is the 2-price system. Under this program farmers would receive one price for a percentage of the crop, based on domestic demand. Any surplus would be thrown on the world market at a lower price to the farmer.

May Make Comeback

Kansas once was the leading state in alfalfa production. Acreage has declined during the last 15 years, due largely to the spread of bacterial wilt, say agronomists.

Buffalo alfalfa, developed and released by the Kansas Agricultural Experiment Station, shows a high degree of resistance to bacterial wilt. Agronomists believe this new alfalfa may bring the crop back to its rightful place in Kansas agriculture.

**HERE ARE THE
RESULTS**



- BETTER LEGUME YIELDS
- IMPROVED STANDS
- HIGHER PROTEIN CONTENT
- IMPROVED SOIL FERTILITY
- HIGHER SEED YIELDS

For nearly fifty years farmers have used NITRAGIN inoculation to make greater profits from clovers and other legumes. Inoculate all legumes with NITRAGIN. Get it from your seedman.

The Nitragin Co., Inc., 3708 Booth St., Milwaukee, Wis.



Write for your copies of free legume booklets.

NO OTHER LIKE IT



The land-clearing saw you've waited for. Eliminates the hard work of clearing land of brush, saplings and larger trees. Propels itself anywhere—a woman or boy can operate. Powerful 6-HP dependable motor—less power is not enough. Use for belt work when not sawing. Most popular wood saw we have ever built. E. E. Jackson made \$1000 in 30 days. Pats. Pending on exclusive OTTAWA features. Low factory-to-user price. Fully guaranteed. OTTAWA MFG. CO., 211 Walnut St., Ottawa, Kansas



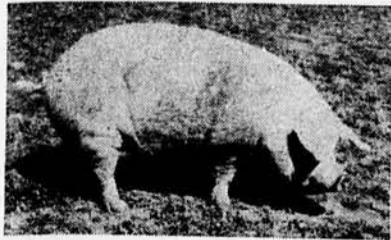
SAVES TIME usually lost due to excessive cold—work MORE DAYS, MORE NIGHTS when necessary. Deflects motor heat that envelope operator who regulates amount of heat desired—no enclosure to obstruct vision. Ideal for all draw bar work. 29 MODELS individually tailored from heavy treated duck, ON or OFF in a jiffy. IT SAVES work days formerly lost—quickly pays for itself. See your Implement Dealer, Farm Supply Store or WRITE TODAY for folder describing 12 unusual features and price.

BEARING DISTRIBUTORS CO.
1919 B, Baltimore, Kansas City, Mo.

Save Baby Chicks

The Hendriks Method of Feeding Baby Chicks tells exactly how much to feed and exactly when to feed it. There is no guesswork. Early plans for the chicks mean more chicks saved, less disease and bigger profit. A copy of the leaflet on the Hendriks Method will be sent upon request to Farm Service Editor, Kansas Farmer, Topeka. Price 3c.

Saving Big Litters Has Become a Habit



The Princess, registered OIC sow belonging to G. W. Lorance, Wilson county, has farrowed and saved 34 pigs in the last 3 litters.

A REGISTERED OIC sow that has farrowed and saved 34 pigs in the last 3 litters is a pride and joy of G. W. Lorance, Wilson county breeder. The sow, Princess, is to be placed in the Production Registry on her next litter.

But Princess isn't the only Lorance sow that has proved to be a good mother. Mr. Lorance has 3 other sows that farrowed 36 pigs and saved 34 last year. They haven't done so badly in the show ring, either. Mr. Lorance won 2 firsts with his sows at the Iowa State Fair, and repeated with 2 firsts at the Nebraska State Fair. Due to other conditions he was unable to show at the Kansas State Fair, where a class of OIC hogs was added this year.

Both sows and boars on the farm are picked from large litters. This trait is hereditary, says Mr. Lorance, and

means 3 or 4 more pigs a litter when careful selection is made from prolific sows that are good mothers.

To bolster his breeding stock, Mr. Lorance in 1945 purchased Lady Advancer, grand champion senior OIC sow at the Missouri State Fair. She weighed 476 pounds when one year old. He also will attend the Texas state sale to locate an outstanding boar. At the Kansas state sale Mr. Lorance was offering 4 open sows and 6 open gilts.

The Kansas OIC Swine Breeders' Association, formed only about a year ago, already is the largest in the United States, says Mr. Lorance, with 91 members. Joy Layman, of Arlington, is president, and Marvin J. Hostetter, of McPherson, is secretary-treasurer. Mr. Lorance is one of the trustees.



This sow, Lady Advancer, was senior and grand champion sow at the Missouri State Fair this year, and has been purchased by Mr. Lorance.

Will Dehydrate Own Alfalfa

LARGE commercial dehydrators have popped up like mushrooms over the good alfalfa-producing communities in the state the last few years. It has been a profitable new industry. At the same time, they made it possible for farmers to grow larger acreages of alfalfa when help was scarce during the war.

But there may be a new angle to farm crop dehydration—farm-size plants. Edward Balzer and Weldon Rupp, McPherson county, have purchased a new semiportable dehydrator manufactured by the J. B. Beard Company, Shreveport, La. This company has been in business since 1918, and their dehydrator was first introduced to Kansas thru an advertisement in Kansas Farmer for September 7, 1946.

This plant is designed to dry 1,000 pounds of alfalfa an hour. Most commercial plants will dry twice as much and some three times more.

Each of the 2 McPherson county farmers has more than 100 acres of alfalfa growing. They expect to supply a fourth of the raw material for their plant from their farms. With no other dehydrators in the immediate vicinity, they expect no difficulty in finding enough alfalfa to keep the plant going thru the summer.

There may be another advantage to small plant installations. Instead of building one large plant in a central location, several smaller plants could be spotted over the community with little additional outlay. It would decrease hauling expenses.

The semiportable construction of the unit means it is built on its own foundation. The complete unit is about 50 feet long and is practically ready to plug in. Power equipment, blowers and oil-injector burner are self-contained.

There are several features on the outfit which Rupp and Balzer point out. One is the arrangement of the fins inside the drum. Instead of straight alignment, the fins are set at different angles. One fin lies on the radius line of the drum. The succeeding fin is installed at an angle and the third fin at even greater angle. This arrangement is designed to spread the hay over a larger area in the drum, increasing drying efficiency.

This new machine may be the forerunner of a strictly farm-size dehydrator. There are others in the state who are showing interest in that type of machine. Les and Jim Garvey, of Clay county, raise large acreages of alfalfa on their farms and are considering a small dehydrator for their needs. It is insurance against bad weather when hay-harvesting time rolls around.



REPAIR FARM BUILDINGS for greater production

How to do it with CONCRETE

and save time and labor

To increase farm productivity it is essential that buildings used to house livestock and store crops be in good repair.

Concrete foundations under barns, hog houses or poultry houses will restore these buildings to usefulness and provide protection against rot, termites and waste and damage caused by rats.

Free booklet, "Restoring Old Farm Buildings With Concrete" tells how to make needed repairs with materials which are plentiful and usually available locally.

If you need help, get in touch with your concrete contractor or building material dealer.

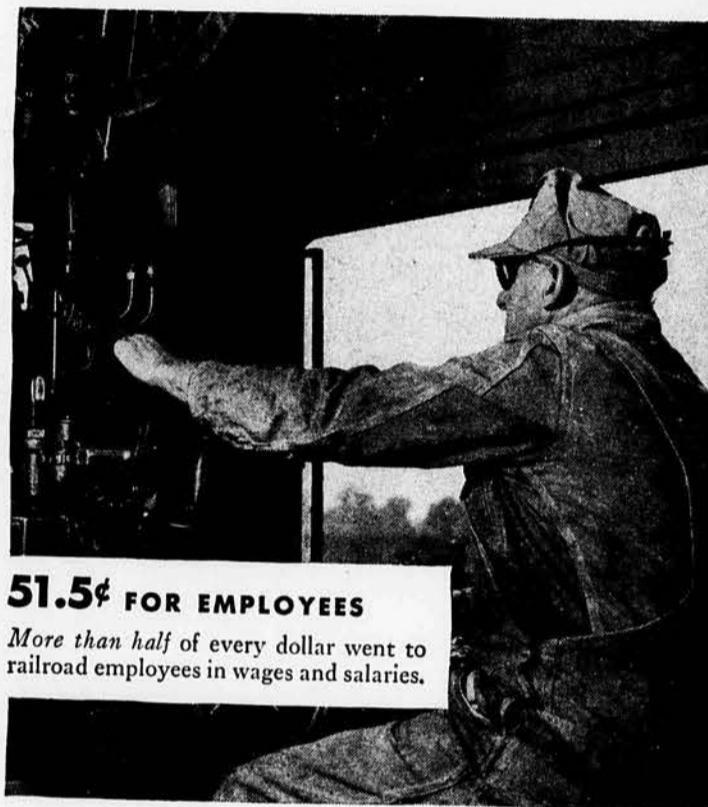
PORLAND CEMENT ASSOCIATION
Dept. C2a-2, Dierks Bldg., Kansas City 6, Mo.
Send me free booklet, "Restoring Old Farm Buildings With Concrete."

Name _____
Street or R. R. No. _____
City _____ State _____

WHO gets HOW MUCH of the RAILROAD DOLLAR?

(A REPORT TO THE PEOPLE FOR 1946)

You, and all Americans, look to the railroads not only to take you places, but also to bring you things—food, clothing, fuel, and just about everything else for your home and your business. For this dependable service to 140 million people, and for hauling the heaviest peacetime traffic on record, the railroads received about \$ billion dollars in 1946. Let's see what became of this money.



51.5¢ FOR EMPLOYEES

More than half of every dollar went to railroad employees in wages and salaries.

33¢ FOR MATERIALS

Much of this 33¢ spent for materials, fuel, and other supplies was, in turn, paid by the railroad suppliers to their employees. So, directly or indirectly, by far the largest part of the railroad dollar goes to pay wages.

6.2¢ FOR TAXES

This part of the railroad dollar went to Federal, state, and local governments to be used—the same as your own taxes—to help maintain schools, courts, roads, police and fire protection, and for various other public services and institutions. None of this tax money is spent on railroad tracks or terminals.

6.6¢ FOR INSURANCE POLICYHOLDERS, INVESTORS IN BONDS, AND FOR RENTS

Most of this 6.6¢ was paid out in the form of interest to those people who lend money to the railroads—including those millions of thrifty Americans who invest indirectly in the railroads through their insurance policies and savings accounts. The average rate of interest which railroads pay on their bonds and other obligations is less than 4 per cent.

2.7¢ FOR IMPROVEMENTS AND OWNERS

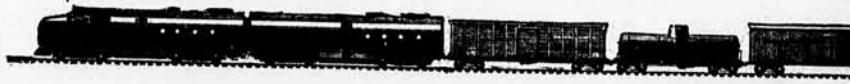
And so after paying for wages, materials, taxes and necessary charges upon their obligations, railroads in 1946 had only 2.7¢ left out of each dollar they took in. Out of this they must pay for the improvements to keep railroad property abreast of public needs, before anything is available for dividends to their owners.



ASSOCIATION OF

AMERICAN RAILROADS

WASHINGTON 6, D. C.



IN PARTNERSHIP WITH ALL AMERICA

20 REASONS WHY YOUR CHOICE SHOULD BE NEW Jayhawk HYDRAULIC LOADER

A PRACTICAL, SIMPLIFIED, IMPROVED MACHINE AT A LOW PRICE

Fewer parts, lower upkeep, longer life. No cables, clutches, gears, chains, belts! No part mounted above tractor. Tested to 2850 pounds. Detaches in 3 minutes. Automatic load leveling device prevents spilling. Single oversize cylinder attached to drawbar beneath tractor assures balanced operation — has piston and rings, no cup leathers. No other loader can claim all these advantages. Hydraulic pump available.

Base price \$240 complete with combination manure fork and dirt scoop. Bulldozer \$50; sweeper \$60. Free literature. Write today.

WYATT MFG. CO.
"Jayhawk Hay Tools Since 1903"
DEPT. L-210 SALINA, KANSAS

Buy United States Saving Bonds

A Truck for Every Job

By DICK MANN

WITH all the pomp and ceremony of a Hollywood fashion show, the International Harvester Company introduced a complete series of new International truck models January 17, at Ft. Wayne, Ind., for about 100 editors from all parts of the U. S.

We sat in bleachers along a runway inside a large manufacturing building. While an orchestra played and a company official outlined the highlights of each model, the trucks appeared from behind a curtain and came to quick stops in front of the bleachers. It was a sight that would have thrilled every truck-hungry farmer in Kansas.

The new trucks consist of 21 basic models from light to heavy, and are powered by 13 different motors. From these 21 basic models, the company can produce more than 1,000 specialized trucks to fit individual needs.

When you buy that new truck its performance and life will depend upon buying the right truck for the job.

Knowing the exact load limits you want and how the truck is to be used (before you buy) will save you a lot of money. International is training its dealers to help buyers solve this problem.

Greatly improved styling is seen in the new models. They have sweeping lines of hood, grille and fenders, lavish use of chromium trim, fender-mounted headlights, and gracefully curving skirted fenders. These, with the grille, form an easily removed, one-piece unit. This makes it easy to get at the engine.

Two-shoe, double-anchor-type hydraulic brakes provide improved braking for light models. "Hi-tork" brakes are used for the larger units. All 6 models produced at Harvester's Springfield works have roller-bearing, antifriction universal joints; 3-point rubber-cushioned engine mountings; rubber-mounted radiators; tilt-ray, sealed-beam headlights; oil-bath air

cleaners; and sturdy truck-type clutches and transmissions. In all, the new lines are said to incorporate 95 mechanical improvements.

All-steel driver cabs have easily adjustable seat and back cushions, 1-piece windshields and narrow corner posts to provide maximum visibility.

After the new trucks were shown, editors were given a chance to examine them at close range. I had the pleasure of talking to J. A. Bundy, in charge of power-unit design for the company. Mr. Bundy designed the rear axle for the old 1917 International which, you remember, had the hard rubber tires and the sharply sloped hood that opened up from the front. Engineers called it the "alligator" hood. Mr. Bundy still is designing rear axles for International and is considered one of the top designers in the industry.

If you can imagine a 40-acre field with a roof over it you can get an idea of the International truck plant at Ft. Wayne, because that is the area now under roof.

In this plant we watched International trucks made and assembled from start to finish. Parts and sub-assemblies converge onto the assembly lines from all directions. Every operation is timed so that a part always arrives on the line just as the workmen are ready for it. To do this, heads of all departments must meet and establish exact production schedules daily. If 100 trucks are being assembled in a day only 100 axle assemblies are needed. If each department were producing at its own speed there would be utter confusion on the assembly line.

Made a New Record

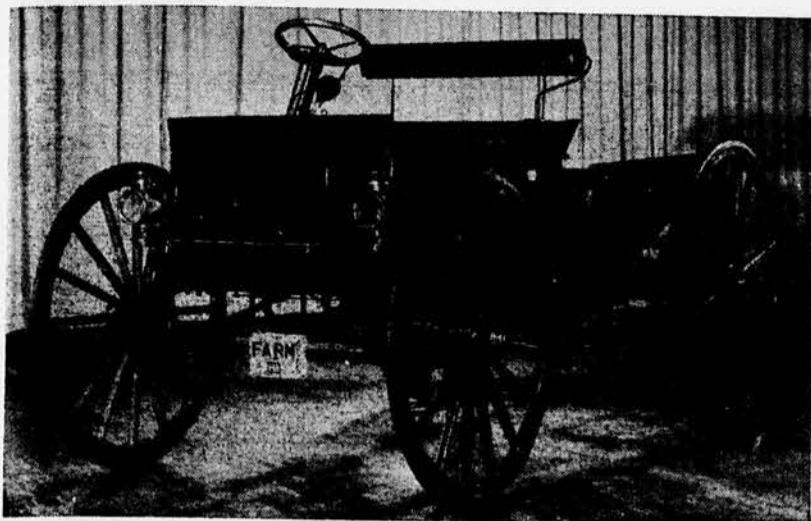
Incidentally, the plant broke all previous production records the day we were there by turning out 180 trucks. This total included 129 medium and 51/heavy trucks. Company officials claimed this was the greatest number of heavy-duty trucks ever produced by any company in one day.

Following a tour of the plant we went out to see the trucks put thru their paces on the tough proving grounds near Ft. Wayne. You would be interested to know this proving ground was designed and engineered by a former Kansas State College graduate, Paul Brantingham. Paul and I were in school together at Kansas State and renewed acquaintance during the day.

Paul really did a good job on the proving ground and designed some grueling tests that would seem impos-

DEKALB the GREAT YIELDING CORN





The International Auto Wagon, produced in 1907 by the International Harvester Company, was the forerunner of the present line of International trucks.

sible for either trucks or drivers to survive.

One of these tests is the "twist course," which consists of a series of concrete bunkers set at an angle and designed to twist every part of the truck as it goes thru. To pass this, a truck has to complete the run 200 times without anything breaking or getting out of working order.

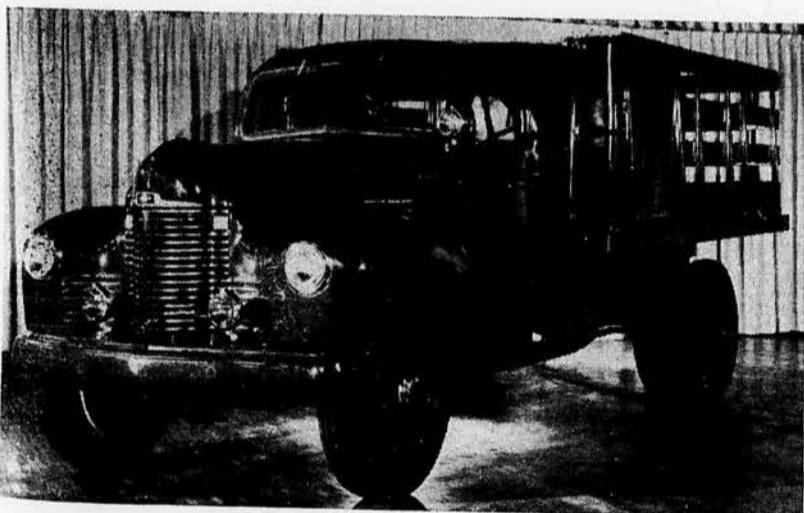
Another tough one is the "Belgian block road," a series of concrete blocks protruding from the ground to simulate the roughest kind of roads on which any truck could operate. Other tests are the "figure 8" to test steering knuckles, the "water bath" to test housing of various parts of the chassis, and a race track for speed, endurance, and economy of operation. On this track trucks are operated wide open, carrying heavy loads and with wind resistance sails attached to the chassis.

I have often wondered how trucks

and cars could take the terrific beating they get in every-day use. Now I understand how they can, after seeing the engineering that goes into them and the tests they have to pass before being put into production for farm and public use.

High Flax Goal
A flax goal of 4 million acres to be planted for 1947 harvest has been set by the U. S. Department of Agriculture. To encourage reaching this goal the flax seed support price has been set at \$4 a bushel for No. 1 seed, basis Minneapolis. Kansas support price will be about 15 cents less.

The 1947 goal compares with 2½ million acres harvested in 1946 and was increased to meet a heavy industrial demand for linseed oil. Due to a possible shortage of seed, farmers planning flax plantings should arrange early for seed supplies.



Representing 40 years of progress in truck building is this Model KB-5 International truck, one of 21 new basic models recently introduced. More than 1,000 different trucks for specialized jobs are possible by changes in the 21 basic models.

NEW MEDICATION KILLS GERMS of
CHOLERA-TYPHOID
PULLORUM-FOWL POX



Get the drinking water medication that does so much MORE. Use HYDRO-CIDE, with all these PLUS features:

POWERFUL! More potent germ killer than carbolic acid. . . . Prevents slime, inhibits mold and fungus. . . . Long-lasting, effective over 24 hours.

ECONOMICAL! One tablespoonful medicates a gallon of water for only 2 cents.

SAFE! Harmless to poultry, used as directed. . . . Tasteless. . . . Odorless. . . . Use in any kind of fountain.

Ask Your Local Poultry Supply Dealer for



HYDRO-CIDE

A Barlow, Wright & Shores Product

CEDAR RAPIDS, IOWA

KILL GRUBS and LICE

-- this Easy Way!

Amazing Automatic Currier treats livestock automatically. Kills lice, grubs, woves, ticks, flies, mange mites. Cattle treat themselves when and where needed, applying pest-paralyzing Oil or Dust Insecticide, currying it in. Parasites are killed and brushed out before they cause damage. Boosts gains . . . adds profit. Saves labor. Saves feed bunks, fences, mangers. Always on guard. Lasts a life-time. Get details today on this amazing machine.

FREE! 2 Mo. supply new pest-purging, parasite-killing ROTONOIL.

AUTOMATIC EQUIPMENT MFG CO.
Dept. 423 PENDER, NEBRASKA

SIGN AND MAIL TODAY FOR SPECIAL FREE TRIAL OFFER

NAME: P.O.

Buy from KANSAS FARMER Advertisers For Practical Farming and Pleasant Living



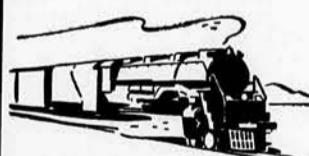
WHEN STOCKMEN

assemble, transportation is a major subject of consideration.



HOW LIVESTOCK

can reach the best markets in better condition is well known.



WHEN RAILROADS

are considered UNION PACIFIC is first in transportation.

WHAT SHIPPERS

should all do . . .

be Specific -
say "Union Pacific"

UNION PACIFIC RAILROAD

The Strategic Middle Route

IN WIND, RAIN, SNOW OR HAIL

• YOUR FREIGHT GETS THERE BY RAIL

CLIP AND MAIL THIS AD NOW



Mrs. Guy Wilcox, Marshall county, finds her treasured desk useful as well as attractive.

SOME women acquire a hobby accidentally. Others get into one by foresight and planning. Either way, furniture and furniture refinishing can be ever so intriguing. Shopping for just what one wants in remote places, and coming upon something appealing in an unexpected spot—these are the elements that make furniture hunting the fun it should be.

Once one has it, the refinishing is another hobby. Mrs. Guy Wilcox, of Marshall county, has some well-chosen walnut furniture, probably Victorian in character, which she has not only refinished to a just-right sheen but in some cases has added decoration. Mrs. Wilcox has for some years, enjoyed china painting and when her interest in furniture developed, she applied her art to that. Her drop-leaf oval walnut dining table has hand-painted designs on the ends, matching in color the draperies at the windows. Her Windsor-type dining chairs are unique in design and go well with the table.

The walnut drop-leaf desk, she also refinished and she finds the dining room the ideal spot for this practical, attractive piece. There, she takes care of family accounts and letter writing.

On the wall she has arranged one of the most interesting effects imaginable. She cut out designs from wallpaper and pasted them on the painted white wall. She cut out long, graceful sprays of floral design and over it went shellac to preserve it. The idea is original with Mrs. Wilcox and she feels it was well worth the trouble for the effect is lovely. Draperies at the windows blend well with the rest of the furnishings—made of horizontal strips of bright-colored cotton material, yellow, green, rust, medium blue and dark blue. An old china platter, garden flowers in bowls and her own hand-painted dishes make her dining room attractive and unusual.



Windsor-type dining chairs and drop-leaf table lend charm to dining room at the Wilcox home.

Mrs. Wilcox prefers the linseed oil and turpentine finish for old walnut. She first removes the old finish with commercial varnish remover, then cleans the wood thoroughly with turpentine and cotton cloths. Plenty of rubbing with linseed oil is the answer, she says, for a soft sheen desirable on old woods.

Mrs. Miles Rennick, of Sedgwick county, owns an old walnut dresser, treasured in the family for many years. Recently she refinished it as part of a home demonstration unit project. Her formula is worth passing on to others. First, she removed all the old varnish with commercial remover and sandpapered the wood vigorously and thoroughly. First, she used coarse sandpaper, then graduated to the finer. Then she gave the wood a linseed oil bath and buffed it well with cotton cloths. To get it the exact walnut color she desired, she applied a little walnut stain, then rubbed it down again. Next she applied a fifty-fifty mixture of shellac and alcohol. When this was dry, she rubbed the entire surface with steel wool. Next, she applied a coat of varnish, made up of one half varnish, one half turpentine. [Continued on Page 17]



Mrs. Miles Rennick, Sedgwick county, refinished the sturdy walnut dresser which the whole family admires.



Let's Talk About Me!

By HELEN GREGG GREEN

FATHER, mother and their three daughters were having dinner. The two older girls were honor students and naturally their conversation was on the adult level most of the time. Suddenly 7-year-old Marguerite put up her hand. Surprised, mother inquired, "What is it Margie?" "Let's talk about me!" Marguerite suggested rather wistfully. Chagrined, everyone agreed, "Why, of course we shall."

Mother learned a lesson from that. "From that day to this, father and I have made a point to see that everyone under our roof is included in our conversations during the times when the family is together."

So it goes, with the small ones, even the adolescents. Mealtimes should be a happy time and should include topics of interest to children. Some little folks have a natural inclination for "getting in" on almost any conversation. It should be encouraged, rather than discouraged, as frequently is the case.

Once a grown man remarked, "There are many things I do not do easily, but I have no difficulty meeting and talking with complete strangers. I attribute this principally to the fact that my

father always insisted that we speak up whenever we had anything to say.

Even tiny folks will become expressive when encouraged. I remember Chad, a small 2-year-old, delighted his young parents by saying, "The dark's all over the screen!"

With encouragement the school-age child will increase his vocabulary. Why not try a vocabulary race in your home? Fortunate is the child whose parents say, "Look up words, get the dictionary habit." For little folks there are children's dictionaries. If one new word were added each day to a child's vocabulary, there would be an increase of 365 words each year. A game, a race, with father and mother as referee might make a continuous contest, good for all.

Diffident young folks-in-the-making who do not talk well, should be encouraged by bringing them out. The most effective way to do this is to show an interest in their interests. If Frank likes to tinker with radios, take time out to talk radio mechanics. If Johnnie's chief interest for the moment is travel stories, take some imaginary trips with him. If 4-year-old Mary is consumed with interest in the nest of [Continued on Page 17]

The Lincoln Quiz

1. When and where was Abraham Lincoln born?
2. How many years had passed between the death of George Washington and the birth of Abraham Lincoln?
3. In what state was Lincoln's boyhood spent?
4. What had Charles Darwin and Abraham Lincoln in common?
5. Who was president of the United States when Abraham Lincoln kept store in Illinois?
6. A great Negro scientist died not many months ago. He was born while Lincoln was president. What is his name?
7. Give the title of a book written by Harriet Beecher Stowe when Lincoln was practicing law.
8. In the Civil War who wore the blue and who wore the gray?
9. In what country was the Red Cross established while Lincoln was President?
10. During Lincoln's administration, what holiday was made an annual holiday officially?
11. Name Lincoln's assassin.
12. Complete this quotation: "As I would not be a slave, so I would not be a _____. This expresses my idea of a democracy." A. Lincoln.—By C. W. W.

Answers to Lincoln Quiz

11. John Wilkes Booth. 12. Master. 13. Nine years. 14. Both the same age, born the same day. 15. Both the same age, born the same day. 16. George Washington Jackson. 17. Uncle Tom's Cabin. 18. The South wore blue, the North wore grey. 19. In Switzerland. 20. Thanksgiving Day. 21. Peterbury, 18, 1809, in Kentuckiana.

Let's Talk About Me

(Continued from Page 16)

kittens in the barn, talk of kittens should be of paramount importance as long as she finds it interesting.

Knowing Jimmy was a small whiz with figures I looked serious, and pretending that I was expounding a serious problem, announced, "Jimmy, you've been telling a lot of stories and

puzzles. I'm going to give a problem. If an egg and a half cost a cent and a half, what would 12 eggs cost?" The mother disliking figures, smiled and sighed and said, "I give up!"

But Jimmy, seeing an opportunity for gaining some satisfaction, quick as a flash answered, "twelve cents!" The problem I knew was a stupid and ancient one, but I have repeatedly heard intelligent men and women give up. Jimmy in this case had the opportunity for self-expression, which is gratifying and necessary for the happiness of every child.

During another evening, I learned a great many interesting facts about butterflies by drawing out the 9-year-old son of my host. Words like polyphemus and cecropia slid off his tongue with authority.

One of the many ways to help your young growing-up son or daughter to acquire knowledge and social grace is thru good conversation at the table, in which he is included. Let him not feel the need to hold up his hand say, "Let's talk about me!"

With Pieces Like These

(Continued from Page 16)

After drying and rubbing again with steel wool, she added another coat, this time three fourths varnish to one fourth turpentine. To smooth the surface well she went over it again with steel wool, then pumice stone and linseed oil. For this latter step in Mrs. Rennick's process, she wet a little pumice with linseed oil and rubbed the wood surface with it. Wax was applied for the final coat.

Sour Cream Dressing

1 cup sour cream	1 teaspoon salt
1 slightly beaten egg	1 teaspoon sugar
1/4 cup vinegar	mustard
dash of pepper	

Mix the ingredients and cook in a double boiler until it begins to thicken.

Gets Rid of Rust

To remove rust from needles stick them into a piece of flannel which has been saturated with machine oil.

TRIPLE TESTED



Every packet of Earl May's Garden Seeds is LABORATORY TESTED to assure you high germination



Scores of actual plantings in our TEST GARDENS search out the heavier yielding, finer flavored vegetables for Earl May's customers.



TABLE TESTED as the final step to assure you of the finer textured, finer flavored varieties.

EARL MAY'S FREE CATALOG

68 big pages—24 pages in full color—it's the "book of the year" for every gardener and flower lover. Send coupon today.

EARL MAY SEED COMPANY Shenandoah, Iowa

Please send me your big, free catalog.

Name _____

Address _____

City _____ State _____

Farm Folks FAVOR Butter-Nut FLAVOR!



Butter-Nut Always Has Such a Wealth of Rich, Delicious Flavor

Butter-Nut is so full of flavor it goes lots farther than other coffees—and every cup is downright delicious! It is the one coffee that pleases my men folks best. It is rich, with plenty of body. It is mellow and smooth. Butter-Nut always gets its flavor exactly right!

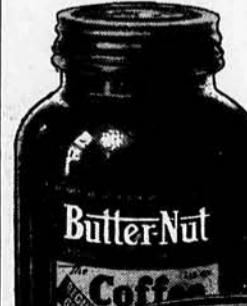
The Best Costs Less Than a Penny a Cup

Money cannot buy better coffee than Butter-Nut—it is the very top of fine quality. Yet Butter-Nut costs you less than a penny a cup! So buy Butter-Nut! Give your family the very best.



There Just Isn't Any Coffee Better Than Butter-Nut

Butter-Nut is a blend of the very finest coffees the world produces. Second choice coffees are never used. It is the favorite coffee in more than a million homes. At less than a penny a cup, Butter-Nut is the coffee your family should enjoy every day. It is tops for flavor!



BUTTER-NUT
GLASS JARS
ARE REAL
FRUIT JARS.
SAVE THEM

Butter-Nut "The Coffee DELICIOUS



CHAMPION FARMER is James Rowland, chosen Star Farmer of Arkansas at the 1946 American Royal Show. Jim operates a 200-acre farm near Harrison, Arkansas, in partnership with his father, P. M. Rowland. Jim's first project (in 1941) included 15 pigs, 2 acres of corn. He now has 15 dairy cattle and 85 acres in corn, alfalfa, Lespedeza and soy beans.

"**SHOULD BE RAISING** wheat, I often think," says farm champion Jim Rowland, "considering how I pack away my Wheaties. Those toasty, crunchy flakes have the taste of field-ripe wheat loaded up with sweet flavor. I hear Wheaties contain the vitamins and minerals of 100% whole wheat. I know that a big bowlful of milk, fruit, and Wheaties, 'Breakfast of Champions,' is my favorite breakfast dish."

General Mills, Inc.



WARNING! When you try Wheaties—be sure to get the new Extra-Big-Pak. Contains 50% more than the regular package. It's just the right size for matching that swell Wheaties flavor with your family's healthy appetites.

Get One Large Enough

When Selecting a Home Freezer, Says Mrs. Cannon



Mrs. Howard Cannon, Smith county, selects an entire meal from her home freezer. Shown in the picture are the following dinner items taken from the freezer: Beef roast, butter, greens, string beans, bread and peaches.

IF YOU plan to get a home freezer be sure to get one large enough to meet your needs. This is the advice of Mrs. Howard Cannon, of Smith county.

The Cannon freezer is of 8 cubic feet capacity as that was the only size obtainable, but the family needs one of 12 to 14 cubic feet, she says.

In use since April, the freezer has been doing a swell job of making farm life more enjoyable. Three quarters of beef were put into it in April, one half a hog in May. At various times Mrs. Cannon has put in 33 pint boxes of lambs quarters, 22 pints of string beans, 7 pints of peas, 6 quarts of red cherries, 5 pints of blackberries, 4 pints of pie apricots, 3 pints of pineapple, 4 pints of rhubarb, 7 pints of plums, 5 pints of peaches, and as many as 5 chickens at a time.

Mrs. Cannon buys No. 10 cans of fruit as they are more economical and then repacks them in pint boxes for freezing.

"Now, when company comes," says Mrs. Cannon, "we visit right up to mealtime. Then, all I have to do is step to the freezer and take out a complete meal. In a few minutes I can be ready for any number for a meal. I don't know now how we ever got along without it."

You will be surprised to know that Mrs. Cannon keeps bread, pies, cookies and cakes in her freezer, too. She says they will keep fresh indefinitely. When ready to use, she takes them out of the freezer one half hour before a meal. By mealtime they are just as fresh and nice as when first prepared.

She also has found that she can churn up a large batch of butter at a time and keep it indefinitely to save churning time. "You can't get better quality food from your freezer than

you put in," says Mrs. Cannon. She advises finest quality food to start, then cleanliness, proper preparation and packaging.

Right now, the Cannon freezer is in the dining room, where it makes a handy and attractive addition to the room. Later, it will be moved to the basement when a new gas refrigerator is installed in the kitchen.

Cost of operation is not known by Mrs. Cannon because electricity also has been used to brood chicks.

Good Diet Brings Health

Diet plays an important part in prevention and cure of tuberculosis, states Georgiana Smurthwaite, state home demonstration leader, Kansas State College.

"While well-nourished persons may fall prey to tuberculosis, we do know that food lowers or raises resistance to diseases, including tuberculosis," says Miss Smurthwaite.

More and more attention should be placed on a well-balanced "protective" diet, particularly for growing boys and girls, Miss Smurthwaite believes.

Kansas ranks sixth in the nation in the tuberculosis death rate. According to the 1945 census, 9 per cent of the deaths occurred in the age group from birth to 19 years.

Farm Women Busy

Kansas farm women demonstrated during 1946 that they are doing something about expanding their community service and family improvement activities.

The state enrollment in the home demonstration program discloses that 27,716 farm women participated in the activities of 1,423 units.



INNES has patented features no other pick-up can imitate. Its exclusive piston action picks up the windrow as cleanly and gently as if by hand. 30 to 40% lighter, it can be attached or removed by one man in a few minutes. No need to remove sickle guards. Innes strips itself of weeds and vines, so it will not wrap or clog.

MORE FARMERS WINDROW EVERY YEAR

You can choose your own combine time when you windrow. The crop is much safer from damage by rain, wind and hail, and has a better chance to mature properly. It comes from the machine in a more marketable condition, as there is no green growth to cause dockage from moisture and foreign content.



The Innes Windrow Pick-Up gets in the entire crop, and operates so efficiently that it pays for itself in no time.

38 MODELS TO FIT ANY COMBINE

Specially engineered for all makes and sizes. See your dealer or write for information, stating what combine you have.

STIFF FINGER—For all windrowed crops—grain, beans, seed crops, flax, etc. Will not slip over down grain.

SPRING FINGER—for stony areas. Picks entire windrow up clean but rejects stones. Easy, on-the-spot repair: Install a new finger merely by turning a few screws.

NEW IMPROVED 1947 FEEDER—Feeds windrow evenly along entire length of cylinder. Eliminates slugging. For AC60, Deere 12A, M-M 69, and M-H Clipper combines. Investigate.

DRAPER UNIT—For crops that shell out easily, or viney crops that tangle in ordinary machinery. Canvas draper surface carries windrow in unbroken line.

27 YEARS OF IMPROVEMENT—Innes is world's largest exclusive manufacturer of windrow pick-ups and feeders.



Get your order in now to your dealer or write direct for information—



Innes COMPANY
Dept. 4 BETTENDORF, IA

SET NEW YIELD RECORDS ON YOUR FARM WITH

LAUBER
Blue Valley
YELLOW and WHITE
HYBRIDS

The finest line of high yielding varieties . . . the best quality seed we have ever offered. Two grades. Two prices. There's a Lauber Blue Valley Hybrid that will set new yield records on your farm.

A COMPLETE LINE FOR CORN BELT FARMS

Agents and Dealers Write for our exclusive dealer franchise. Available in territories where we are not represented. Write for details today.

Produced by the LAUBER SEED FARMS GENEVA, NEBRASKA



The Aladdin Mantle Lamp quickly turns darkness into daylight. Floods a room with powerful, soft white light. Quiet, odorless, smokeless. Lights instantly, and burns with a strong, steady brightness that eases eye-strain.

Poor Light Can Cause Eye-Strain

A test made by the state of New York showed that, of the children tested, four times as many country children as city children had poor eyesight. Everyone needs good modern light. And Aladdin is bright, pure white light at low cost. It operates up to 50 hours on a single gallon of kerosene (Coal Oil). A child can easily run an Aladdin; it's as safe as it is bright.

Change ALADDIN to Electric

If the electric high-line finally comes along you can change your Aladdin into an attractive Electric Lamp in just a few seconds with a simple little converter, which you can get just as soon as materials are available. Ask your dealer about New Aladdins, and those colorful, washable Aladdin Whip-O-Lite shades.

MANTLE LAMP COMPANY Chicago 6, Illinois

Aladdin MANTLE LAMPS

ALADDIN Electric Lamps

If you already have electricity, ask your dealer for Aladdin Electric Lamps by name. Enjoy that same dependability you have found so long in world-famous Aladdin Kerosene Mantle Lamps.

Back Again!

Remarkably Improved!



Famous Diamond Streamlined SELF-HEATING IRON

Irons in $\frac{1}{2}$ Time for Irons! This beautiful, super-speed, chromium-plated iron does itself! No cords, no tubes! Burns 96% free air, only 4% fuel. Satin-finish base gives even heat. Bevel-edged finger-tip control, safety restandards, no handle. Lasts a lifetime. Ends drudgery of stove-heated irons. Does Whole Ironing for 1¢ or Less! Use anywhere—indoors or out.

SEND NO MONEY!

30-DAY NO-RISK TRIAL. Mail your name and address. On delivery, pay \$7.95, plus charges. Send cash, we ship prepaid. Enjoy Diamond Ironing for our full month at our risk. Then if you are not delighted, return for full refund.

FOR IMMEDIATE DELIVERY—ORDER TODAY!

Or get Free Details. **IMPORTANT!** Indicate choice of

kerosene or gasoline model. Order or write today!

AKRON LAMP & MFG. CO., 362 Akron Bldg., Akron, Ohio

ONLY \$7.95



QUIET, EASY RUNNING, SELF REGULATING CURRIE WINDMILL AS LOW AS \$33.00

Better mill—lower cost, in famous Currie, dependable for 50 years. Guaranteed for 5 Years! Self oiling or open geared, direct center lift, automatic speed control, internal brake. More efficient vane and sail design; responds to slightest breeze. **NEAREST FACTORY PRICES SAVE YOU MONEY.** PROMPT SHIPMENT, FREE LITERATURE, WHITE TOWER. CURRIE WINDMILL, DEPT. C67, SALINA, KANS.

Mother, This Home-Mixed Cough Relief Is Wonderful

No Cooking. Very Easy. Saves Dollars.

To get the most surprising relief from coughs due to colds, you can easily prepare a medicine, right in your own kitchen. It's very easy—a child could do it—needs no cooking, and tastes so good that children take it willingly. But you'll say it's hard to beat for quick results.

First, make a syrup by stirring 2 cups of granulated sugar and one cup of water a few moments, until dissolved. Or you can use corn syrup or liquid honey, instead of sugar syrup. Get 2½ ounces of Pinex from any druggist, and pour it into a pint bottle. Fill up with your syrup. This gives you full pint of really splendid cough syrup—about four times as much for your money. It never spoils, and lasts a family a long time.

And for real quick relief, it's very effective. It acts in three ways—loosens the phlegm, soothes the irritated membranes, and helps clear the air passages.

Pinex is a special compound of proven ingredients in concentrated form, well known for quick action in coughs and bronchial irritations. Money refunded if it doesn't please you in every way.

News to You?

GREATER speed in washing wood-work may be attained by washing with the right hand and drying immediately with the left. The drying cloth can be kept handy in the left pocket.

Virtually all foods, including fresh foods, will be packaged in tomorrow's grocery store. New transparent wrappings soon will make it possible to pack the cleaned vegetable near where it is grown. The shopper will be able to select a package of steak or roast from a cooled cabinet instead of waiting for the butcher to cut the meat and wrap it.

For easier juicing of lemons and oranges, roll the fruit under the pressure of the palm before cutting it. This makes the juice run more freely when it is reamed.

Winter is a good season to discard duplicate or damaged household equipment. No need for more than 1 knife sharpener or 1 bottle opener. Unused kettles, broken knives and other cripes take space and slow down work. Discard them, keep only what is useful and where it will be useful.

Egg whites whip best when they are room temperature, but cream whips best when cold. The wise cook takes eggs from the refrigerator an hour or so before using them.

Cooking sweet potatoes in the oven or kettle without peeling saves vitamins as well as time.

Add a little salt to frostings, pie fillings and puddings. It helps the flavor.

Iron with the thread of the material when possible and the clothes will look smoother and flat pieces will come out even.

To change a recipe from soda and sour milk to baking powder and sweet milk keep this rule in mind: One half teaspoon of soda equals 2 teaspoons of baking powder. When substituting sweet milk for sour, use 4 times as much baking powder as the soda specified and use the same amount of milk.

When it comes to removing gum from washable clothing use these directions: On wool, silk and rayon sponge alternately with carbon tetrachloride and tepid water. On cotton or linen, soften with egg white and wash in tepid water or use carbon tetrachloride. Remove any stain before laundering.

Bluing does not whiten clothes but makes them look white by camouflaging the yellow left by poor washing. It's easier and more economical to wash well.

A pail of water set in a newly painted room will absorb some of the paint odor. Try it the next time you paint inside.

Before handling fish, chill the hands thoroughly in cold water to prevent the odor from clinging to them. After taking care of the fish, wash the hands again but this time in hot water and salt, before using soap.

'Tis a slick trick! When juicing small oranges, don't cut the oranges in half. Cut off the top of the stem end and ream all the juice from the one section in one operation.

Blend orange juice with honey or corn sirup. Use as sirup for pancakes or waffles. A bit of grated orange peel, too, adds a pleasing flavor.

After making a white cake do you sometimes wonder what use can be made of the yolks? Cook them until hard and grate them into soup or salad.

For Party Hostesses

There's plenty of fun planning for parties—fun for you and for the guests. The following leaflets will give you ideas for invitations, entertainment and refreshments:

A Hearty Party for Valentine's Day

That February Party

A Bit O' Irish Fun

These leaflets are 3c each and may be ordered from Entertainment Editor, Kansas Farmer, Topeka.

YOUR CAR IS ANCIENT,
THAT'S THE TRUTH



BUT YOU CAN GIVE
IT BACK ITS YOUTH



with

PERFECT CIRCLE

PISTON RINGS

Has your car lost its pep? Is it smoking? Using too much gas and oil? Install Perfect Circle Piston Rings at once! They'll give your car the performance you used to get when the motor was young.

Perfect Circle Piston Rings for cars, trucks and tractors are available at any automotive dealer, implement dealer or garage.

Your Doctor of Motors—that favorite mechanic of yours—will install the rings for you, if you like. He knows Perfect Circle Piston Rings . . . and recommends them.

The Perfect Circle Companies, Hagerstown, Ind., U.S.A. . . . Toronto, Ontario, Canada.



The PERFECT way to restore power... save gas... save oil

Turns Run-Down Farm into a High Yielder..

H. Belford Ludlow
Worthington, Minn.

with GOOD FENCES and Livestock

"When I bought this 300-acre farm 12 years ago, corn made only 40 bushels per acre, fences were poor and the farm income was low."

"Today, corn averages 70 bushels per acre—oats, 60 bushels. Out of profits I have been able to build a new farm home and other buildings."

"Here's how it was done: First, new fences were built. Then clover was added and heavily pastured. This put fertility back into the ground. For example, one field of corn made 100 bushels per acre last year after being pastured the year before. All this would be impossible without good fences."

"RED BRAND Gives Longer Wear"

"Most of the fence on my farm is RED BRAND. Some of it is now 8 years old and, of course, is still in perfect condition. RED BRAND gives longer wear."

KEYSTONE STEEL & WIRE CO.
PEORIA 7, ILLINOIS

RED BRAND Fence
• RED TOP STEEL POSTS •

BUY U. S. SAVINGS BONDS

25 GLADIOLUS BULLETS FREE

"This is a Gift I Want to Send to All My Friends!"

Gladiolus is about the prettiest flower you can have. Grows anywhere... so gorgeous and gay with beautifully blended colors... cheerful... makes your heart happy just to look at them.

This gift package is my way of spreading a little cheer. Glad I can do this much. It's a mix of my most beautiful varieties.

These bulbs are healthy, vigorous—regular first quality, except small size. Grow tall, stately—Fully half bloom first year.

I want everyone to have a copy of my new catalog. This will be a reminder to write for it. No obligation whatsoever. All I ask is a 3c stamp, please, to help pay mailing. Offer is good only until present supply of these bulbs is gone. So fill out coupon and mail right away.

HENRY FIELD
SEED & NURSERY CO.
1721 Elm St.
SHENANDOAH, IOWA

MAIL THIS TODAY	
HENRY FIELD, 1721 Elm St., Shenandoah, Iowa.	
Dear Henry: I'd like the Gift Package of 25 Glad bulbs; also Catalog and copy of "Seed Sense"—free and postpaid. Thanks. I've enclosed 3c stamp, as you asked.	
Name _____	Rt. _____
Postoffice _____	State _____

Can Change Crop Plans With Help of Irrigation

ALTHO it was dry, tons of feed were produced on the Walter Clarke farm, in Barton county, last summer for his Milking Shorthorn herd. Irrigation supplied the answer.

From a 15-acre field of atlas he cut enough feed to fill his 350-ton silo. Much atlas in that area was short last year, some scarcely worth cutting. His alfalfa produced 7 tons of hay an acre in 5 cuttings. Besides that he irrigated balbo rye and Sudan grass pastures which kept his herd in good grazing thru the summer.

Mr. Clarke is sold on irrigation. It increases the variety of crops he can grow. At present he prefers pasture and soil-building crops. Alfalfa brings a good return and improves fertility. Temporary pasture crops provide excellent grazing, and manure is returned to the soil without hauling. But different crops may provide a larger return other years. With irrigation he can change his crop plans.

Late in August, Mr. Clarke seeded new alfalfa after conditioning the dry ground with well water. Early in October the stand was thick and about 8 inches high.

Altho the water level on the Clarke farm is about 16 feet below the surface, his well is 75 feet deep. It was put down in 1937. A gasoline engine supplied the power, but a new electrically driven pump was put in last fall.

Mr. Clarke's original irrigated land included 50 acres. The well was located near the center of this tract. Most of the remaining cropland on the home place is on the opposite side of the creek. But it takes more than a creek to discourage him. Water is carried near the creek by means of a fill, then piped under it to a ditch on the opposite side.

It presented an engineering problem, but Mr. Clarke was able to add nearly 120 acres to his total irrigated land.

"Scheme" Crop Is Growing

ALL KINDS of schemes will be "worked" in 1947 to separate farm folks from their money—at a fat profit to the schemers. Some of these will be "put over" by unscrupulous persons who will make glowing promises, and then disappear with the down payments they have collected. Other "deals" may be concocted by well-meaning folks, who "bite off more than they can chew" and just cannot deliver the goods.

In normal times there are plenty of folks looking around for chances to "pick up" easy money. But in 1947 and the years ahead, when we are turning from war, inflation and shortages, we anticipate quite an increase in this sort of thing. You may be invited, or urged, to "get in on the ground floor" of something or other. You may be offered some "shortage item" you need by a

guy who "has the inside track" with the second cousin of somebody or other who knows how to pull the wires. Offers will be made by letter, personal visits, even by "blind ads" in papers. You will recognize the boys who have "only one more to sell," or who must close the deal in a hurry.

Kansas Farmer editors are hearing about some of these out-of-the-ordinary deals now in farm equipment and machinery, among other things. We are passing this information along to our thousands of subscribers so all of us can be on guard. If you have queer, shady or impossible deals tried on you, please report them to us, so we can expose them in Kansas Farmer.

In the meantime, if you have money to invest, buy another Bond from Uncle Sam—he won't let you down. If you need a new herd sire, go to the breeders in whom you have confidence—they will guarantee satisfaction. When you buy farm machinery, get it from your recognized dealer. By trading with an authorized dealer, you will avoid losing any deposits you make; you will have a reputable local source of service, and you will stand a much better chance of getting delivery on your orders. You know the authorized dealers in your community. They are the men to trust.

Terrace Saved Trees

One of the best farmstead windbreaks in Cheyenne county can be found on the farm of Chris Ferguson. It was established in 1940.

Mr. Ferguson believes success of the windbreak is due to a level terrace he constructed before setting out the trees. This terrace conserved the water and gave his trees an added boost that made them grow more rapidly than any others in the county. The terrace also served to keep runoff water from going across his farmstead.

Versatile Clothespin

Keep a few spring-type clothespins handy in dad's desk to clip together important letters or papers that otherwise might be mislaid. If each is painted a different color, it will be easier for him to find just what he wants.—C. B. A.



"What vitamin is recommended for a deficiency in arithmetic and geography?"

BREADY
Garden Tractor
Takes the Work
out of
Gardening!

All-Purpose Attachments
Plow, Cultivator,
Disc, Cutter-Bar,
Harrow, Snow Plow

You simply guide the BREADY Garden Tractor through the toughest gardening jobs. BREADY's big 1½ H.P. motor plus patented "front-hitch" gives power and traction to spare. Attachments hitched on in a jiffy. Turns "on a dime." Uses only 1 gallon of gas in 5 hours.

Write for free folder.



GARDEN TRACTOR SALES COMPANY
Distributor—Box 203, Solon, Ohio



New 1947 Book
on Raising Chicks

This free book tells how to raise healthy, profitable birds with long laying life... and at the same time may save you up to 30% or more on feed cost. Gives full information on the rearing plan which has produced more than half of the World's Record egg laying champions among the leading breeds. Contains many helpful suggestions on feeding, brooding, preventing chick troubles and other management points. For your FREE copy write today to THE QUAKER OATS CO., Dept. B-22, CHICAGO 4, ILL.

WE PAY 3% ON SAVINGS

Chartered and supervised by the State of Kansas. We invite your investment with us. Do business by mail. Send us your check for amount you want to invest. Our certificate sent you by return mail.

The American Building & Loan Association
Security National Bank Bldg.,
Kansas City, 10, Kansas



A Monitor windmill needs almost no attention. It has its own "barometer"—an automatic wind governor that adjusts itself to meet oncoming storms.

The exclusive Monitor wind governor assures constant pumping speed in varying wind velocities—safe in a storm, dependable when gentle breezes blow. Iron vault sealed gear case keeps out dust, prevents rust, keeps in oil.

Locate a Monitor windmill anywhere on your farm and you have a dependable year-around water supply.

Mail the coupon for full information

BAKER MANUFACTURING CO., EVANSVILLE, WIS.



More Road Money Recommend C of C

KANSAS is face to face with a crisis in the matter of building and maintaining its highway system." This is the conclusion of the board of directors of the Kansas State Chamber of Commerce, following a complete survey of the state highway problem.

Part of this crisis, say state chamber officials, is due to delay years ago when Kansas put off building highways by the state for 13 years after passage of the first Federal Aid Bill by Congress. Part comes from the fact that two thirds of the high-type surface roads of today were built between 1920 and 1930 and now are obsolete for modern traffic. Part of the emergency is due to war restrictions and shortage of labor during the war—both of which put many roads in a deplorable condition.

Do These Suit You?

Here are some of the recommendations made by the state chamber for a long-range road program in Kansas.

1. An increase of 2 cents a gallon in gasoline tax—estimated to yield an additional \$6,450,000 a year.

2. Increase all passenger car licenses to produce an average of \$10 a car—estimated to yield an additional \$2,146,000 a year.

3. Increase light truck licenses from \$5 to \$10—estimated to yield an additional \$179,500 a year.

4. Increase all other truck licenses 50 per cent—estimated to yield an additional \$332,100 a year; and suggest that the legislature study the question of changing the basis of licensing of trucks from the rated to actual carrying capacity.

5. Increase driver's licenses from 40 cents to \$1—estimated to yield an additional \$479,800 each 2-year period.

6. Adopt a plan other than a refund plan that will eliminate tax evasion now existing on non-highway gasoline, and at the same time preserve tax exemption for farmers and others for non-highway use—estimated to yield an additional 3 to 3½ million dollars a year.

7. Ask the legislature to investigate

relationship of license cost and ton mileage tax as applied to trucks and trailers with separate power units—no estimate made of yield.

The program outlined would provide about 12 million dollars a year over present tax income. Over a 10-year period, due to increased traffic, this could be expected to increase to an average of 15 million dollars a year and raise 150 million dollars of added revenue for roads.

It is estimated that spending such tax income for 10 years would bring about 20,000 miles of primary and farm-to-market roads up to a satisfactory standard with no bond issues. This expenditure would eliminate 3,835 excessive curves; 5,232 excessive grades and 13,462 dangerously short-sight distances for passing. It also would build or rebuild 1,206 bridges and overpasses now lacking or below safe standards.

Would such taxes be out of line with other states? State chamber officials say no. These added taxes would bring Kansas into line with other states. They point out that now the average Kansas motorist pays gasoline tax and license fees of only \$25.31 annually while the average state collects \$40.31 from each motorist.

What do farm folks think of such a program? Drop a letter to the Editor, Kansas Farmer, Topeka, and have your say. We will print all the letters we have room for.

Gives Brome Grass a Lift

Use of nitrogen fertilizers will increase brome grass seed production, says K. L. Anderson, Kansas State College agronomist.

Rates of 175 to 250 pounds of ammonium nitrate or its equivalent an acre may be applied. For best results the fertilizer should be applied before spring growth starts, February being the ideal time.

The fertilizer need not be drilled but more uniform distribution of fertilizer is possible thru use of a drill, reports Mr. Anderson.

SAVE \$600 PER TON OF HAY STACKED

Users hay 20 acres per man per day with a FARMHAND. Picks up hay from windrows at 20 m p h; stacks 21 ft. high; saves \$6 per ton over hand labor. BIG MACHINE, LOW IN PRICE.

- 21 foot reach
- 9 x 12 basket
- 3000 lb. loads
- One hand control
- Year around working attachments



HYDRAULIC FARMHAND will handle biggest, heaviest jobs. Rugged attachments for harvesting, manure, snow, gravel, forage and 35 other jobs. Costs only a good man's wages for 2 months, then yours for a lifetime to do back breaking jobs.

SEND CARD FOR FOLDER AND DEALER'S NAME
Made By Superior Separator Company

**HYDRAULIC
FARMHAND**
HOPKINS MINN.

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

Mfg. only by
WESTERN LAND
ROLLER CO.
Hastings, Nebr.

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.

**Western
IRRIGATION
PUMPS**

**Buy from KANSAS FARMER Advertisers
For Practical Farming and Pleasant Living**

FARM NEWS

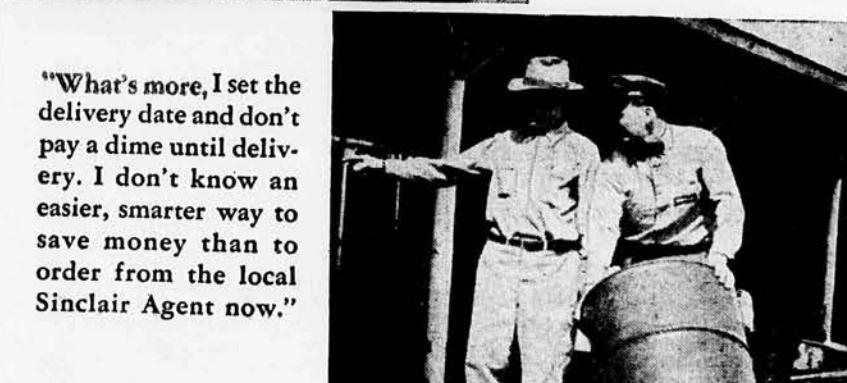
**QUESTION: Can you save money
by ordering farm lubricants now?**



"Yes," says Geo. W. Noe, R.R. 10, N. Kansas City, Mo. "I make a nice cash saving each year simply by ordering my next season's supply of Sinclair motor oils, greases and insecticides in the winter for spring delivery."



"By taking advantage of Sinclair's special deal on spring delivery, I get a generous discount and also protection against any price increase."



**YOUR SINCLAIR AGENT DELIVERS DIRECT TO FARMS —
Phone or write him now about his special Spring Delivery Deal!**

**SINCLAIR
FARM OILS**



Ottawa Farmer

Hydraulic Front End Loader

is GUARANTEED to out-perform and out-last any loader on the market or your money will be cheerfully refunded.

Built to Last

The first "OTTAWA LOADER" built is still giving its owner satisfactory service after more than 5 years continuous use on his farm. There is a reserve of power and strength built into every OTTAWA LOADER. This reserve enables the toughest farm jobs to be handled without strain on loader or tractor thus adding years of unfailing, satisfactory service. All of these claims have been—

Proved on the Farm

Actual service under toughest farm conditions back our GUARANTEE that the OTTAWA FARMER Hydraulic Loader will—Lift up to 3,000 pounds—Raise loads over 8 feet—Fill, raise and dump fork load in 30 seconds. The OTTAWA LOADER is engineered to last the life of your tractor, with ordinary care. Operates from tractor seat, assures clear vision, easily attached or detached, saves manpower, puts tractor power to work.

Bulldozer blade, Sweaprake and Hay-stacking attachments available.

Available for Most Models of Standard Make Tractors

SEE YOUR DEALER OR MAIL THE ATTACHED COUPON TODAY

OTTAWA Steel Products, Inc.
Dept. K-2, Ottawa, Kansas

Please send me your illustrated folder and complete information on the "GUARANTEED" OTTAWA FARMER Hydraulic Loader.

I am a _____ Farmer _____ Dealer

Name _____

Address _____

Town _____ State _____

DEALER'S ATTENTION

Good Territories Still Available for Aggressive Dealers

OTTAWA STEEL PRODUCTS, INC.

OTTAWA, KANSAS

Arabian Desert

(Continued from Page 5)

sparse deserts. They also take little water.

The Arab horse made his reputation first as a war horse because he was smart, tough and easily handled. Most governments use Arabians to improve their cavalry horses. Some breeds excel the Arab in specific features, but it is said no other breed transmits so many good features to its offspring.

One of the popular misconceptions about Arabian horses is that they are white with pink skin. Even the encyclopedia states that white is a common color. On the contrary, the Arabian Horse Club of America states that in Arabia 50 per cent of the horses are bays, 30 per cent grays, and the rest various shades of chestnut and brown. As a matter of fact, says Mr. Laird, the only registered whites in this country are grays well up in years when imported. Due to the fact their hair has turned white they are called white to legally describe their appearance at shipping date.

Black also is rare and there are only about 9 blacks in the United States. Two of these were bred by Mr. Laird and now are being raised on the ranch. Regardless of hair color, all Arabians have black skin instead of pink, as generally thought.

Three Recognized Breeders

So much for the history and background of Arabians. Now let's get back to Kansas and the Laird ranch. There are only 3 recognized breeders of Arabians in Kansas, with Mr. Laird being one of the oldest and by far the largest. His herd of more than 20 head probably is equal to the stock owned by all other breeders in Kansas, Nebraska and Oklahoma.

Breeding stock on the Laird ranch, like most of the better Arabian stock in the United States, is closely related to the best imported stock from England, as that country has an inside track on the original importations from Arabia.

Due to the extremely small number of purebred Arabians in this country, Mr. Laird has difficulty finding breeding stock. A good mare under 10 years old costs \$4,000 or \$5,000, and once he finds one he never lets it go. His original stallion of 11 years ago proved to be an excellent breeder and has done much to build up herd quality. This stallion soon will be retired, however, in favor of one of the several excellent young stallions being raised on the ranch. To increase his breeding stock Mr. Laird is planning to keep one or two good fillies each year.

Horses Are Not Pampered

Despite their desert origin, Arabian horses stand any kind of climate, says Mr. Laird. Horses on the Laird ranch are never pampered. They are roughed thru the winters on pasture and are never bothered by the cold so long as they are dry. Some protection against snow and rain must be provided, but the horses lose little time getting back into the open after a storm.

They get a minimum of feed for good health. Feeding them at a minimum and making them rough it thru is good business, believes Mr. Laird. Since many of the horse's fine qualities come from its nomadic life on the desert, Mr. Laird believes that breeders could lose these qualities thru pampering for several generations. Because of their small feed intake, he observes, Arabians do not reach maturity until 6 or 7 years old, but live to be 30 to 35 years old.

These Arabian horses are less excitable and more companionable than most horses, Mr. Laird explains. They learned thru history to live in close harmony with the roving nomads of the desert and this trait of companionship has proved hereditary. They are more like dogs than horses, he says.

What he means is that they enjoy human company and are eager to please their masters. They cannot be forced to do anything, but if you show them what you want they are glad to do it.

And, believe it or not, they can be "housebroke" like dogs. Mr. Laird states that if the first droppings of an Arab foal in the stall are forked into one corner, the foal always will use that corner and never will dirty the rest of his stall. Mr. Laird took us for an inspection tour of the stables to prove his point.

Even the stallions are gentle and

easy to handle. Mr. Laird thinks nothing of setting a bucket of water or feed on the stable floor and leaving it. The stallion will not kick it over. Neither will a stallion strike or bite its master, altho this does not mean he isn't full of life.

How Prices Range

Fillies, on the average, says Mr. Laird, bring about twice as much money as stallions, except when a stallion is of exceptional quality. Prices on stud colts start at \$500 delivered at weaning time. Fillies start at \$750 but \$2,500 is not an unusual selling price. Foals are paid for when 2 weeks old so insurance can be arranged by the new owners.

Most of the fillies and outstanding stallions go to other purebred breeders or to breeders who want to cross them with other outstanding saddle breeds. The bulk of the stallions go to large ranches, where they are used to cross with cow ponies for the Arabian's greater intelligence, stamina, sure-footedness, gentleness and courage.

When foals reach weaning time they are crated and expressed to their new owners. A bag of feed for the trip is attached to the crate. Mr. Laird used his engineering skill to design and build the shipping crates used by the ranch. He also has designed and manufactured de luxe trailers for transporting show horses.

Foals from the Laird ranch have been shipped to breeders as far east as Wisconsin, south to Louisiana, west to California, and north to North Dakota. At the present time the Philippine government is negotiating for one of his outstanding young stallions.

Grandson of \$250,000 Stallion

"How much will they pay for him?" we asked. "That's hard to tell," Mr. Laird replied. "When any government wants an Arabian stallion the final price is whatever it is willing to pay." He recalls that an English breeder once refused \$250,000 from the Russian government for one of the great sires of the breed. He isn't expecting any such offer from the Philippines, of course. But it just goes to show that there is no ceiling if you have what some government wants. Mr. Laird's 4-year-old stallion in question is a grandson of the stallion for which \$250,000 was offered by Russia.

Mrs. Laird is as enthusiastic over the horses as her husband. The two of them spend most of their time out at the stables and will take off an evening any time to tell you about the Arabs.

But don't get the idea we are advertising the Laird horses. They don't need it. Breeding stock of the Laird quality is so scarce and so much in demand all foals are sold or contracted for before they are born. The 1946 and 1947 foals already are sold or contracted for and the Lairds are taking orders now for 1948.

It's just another case of a hobby becoming the highly specialized business and the business being pushed back to the hobby class. Twenty years ago Mr. Laird was an engineer who loved horses. Today he is a horse breeder who tinkers with engineering. He is a happier and healthier man for the change.

Flood Made Atlas

About 10 acres of newly seeded atlas on the J. Wylie Logan farm, in Barton county, were flooded out last spring when a nearby creek overflowed. Mr. Logan replanted and produced a forage crop that was far better than average. The floodwaters were responsible. They killed one stand but assured him of a crop.

As far as Mr. Logan is concerned that proves irrigation would be practical if there were sufficient water. The water level is about 15 feet below the surface of his farm, but the soil formation is too tight to permit large scale pumping operations. Under these conditions he believes terracing and contour farming of hill land will produce the best results.

This farm has been under cultivation 70 years, Mr. Logan says. He saw some of the topsoil slipping away. To hold it he built plow terraces on the slopes. He is convinced that more soil conservation measures must be taken to protect the soil. At the same time moisture will be conserved.

DEE-TABS Help Cut Down CHICK LOSSES!

For a safe start, put Dannen DEE-TABS in baby chick's drinking water. This superior type disinfecting tablet acts quickly and helps protect health by keeping water more sanitary. A real bargain, too.

150 DEE-TABS only \$1.00

Rx: For COLDS

MEDOL loosens mucous and phlegm, helps your birds breathe more easily. Use as spray, in drinking water, or apply to individual birds.

8-oz. bottle only 75c

DANNEN MILLS, St. Joseph, Mo.

Easthills Farm REMEDIES

FOR LIVESTOCK AND POULTRY



FAMOUS FOR DEPENDABILITY

Since 1861, the Woodmanse line of better windmills has developed a reputation for lasting, dependable service. This reputation, backed by experience, and strengthened by the approval of farm and ranch users, is stronger now than ever. For information, see your Woodmanse dealer, or write Woodmanse Mfg. Co., Freeport, Ill., Dept. 307.



Woodmanse

Since 1861



FOR MINOR CUTS, BRUISES, GALLS

CORONA

Always Use ANTISEPTIC OINTMENT

SOFTENING • SOOTHING

Send for FREE SAMPLE

CORONA MFG. CO., 48c2 Kenton, Ohio

The WORKMASTER Easy to Handle; Operate

The Workmaster is master of tough lifting and loading jobs. It speeds up this type of work . . . saves back and muscles . . . and the need of hired hands. Fits any tricycle type tractor, also made for 4-wheel tractors. Is extremely easy to handle . . . easy to attach or detach. Most economical loader of its kind on the market. Works off the belt pulley of the tractor's engine . . . no power pumps to fail.

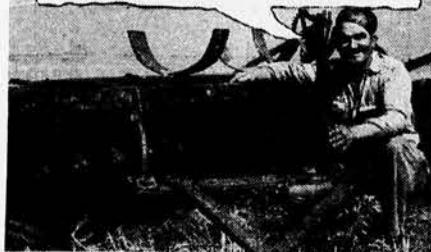
The Workmaster can be converted into the Haymaster-10 . . . hay stacker-loader . . . by purchase of a few conversion parts. Also with the Workmaster you can own the BUCK RAKE attachment, two other labor-saving New Method implements. See your implement dealer, or write us, today, for complete information, care of Dept. KF-2.



THE NEW METHOD EQUIPMENT CO., INCORPORATED

SAVE TIME and MONEY with ADAMS PROCESSED ONE-WAY DISCS

"IT'S THE DARNEST DISC I'VE EVER SEEN... CUTS LIKE A RAZOR AND STAYS THAT WAY... AND I DON'T HAVE TO TEAR DOWN MY ONE-WAY 4 OR 5 TIMES A YEAR!"



CHUCK HORNING ... WAKITA - OKLA

Check These New, Improved Features . . .

- Maintains Proper Concavity
- Self Sharpening
- Wear Resisting



The Adams method of Hard-Facing is a skilled operation that gives lasting sharpness to the cutting edges of 1-way Discs, spring-teeth, drill discs, duck foot sweeps, subsoil chisels, plow shares and other farm tools.

Free Catalogue

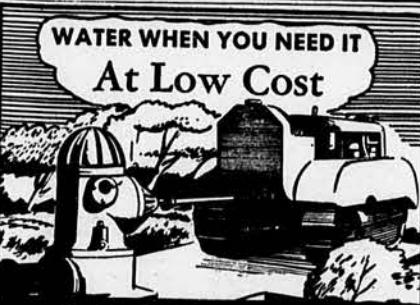
A postcard will bring you a Free Adams Catalogue in a hurry . . . Write today.

An Adams Dealer

Will receive and ship your tools for prompt servicing. If no Dealer near you, ship (freight collect) to

Adams
HARD FACING CO.

Wakita, Oklahoma



JOHNSON
Right Angle DRIVE

Dependable Water--24 hours a Day

Abundant water at low cost, 24 hours a day to assure bumper crops is now possible on your farm by the use of the Johnson Right-Angle Gear Drive. This drive is not a pump . . . it is installed between the turbine pump and the power unit . . . connects the pump to your farm tractor or stationary engine, using either gasoline, natural gas, butane or diesel fuel. Thousands are in successful use all over the nation, providing water for thirsty crops. The Johnson Right-Angle Gear Drive brings water from shallow or deep wells—300 feet or more—types and sizes to meet the needs of any acreage. Operates economically, dependably under varied and unusual conditions in all climates. Get the facts on low cost water. Don't delay. Mail the coupon now.

**Send for
FREE COPY
Today!**



COPR. J. G. & M. CO. 1946

JOHNSON GEAR & MANUFACTURING CO., Ltd.

BERKELEY 2, CALIFORNIA

Please send Free Folder—"Low Cost Water for Irrigation."

NAME _____

RFD & BOX No. _____

CITY _____

STATE _____

Farm Problem in Lap of Congress

(Continued from Page 6)

the Federal government will support farm prices for 2 years (now determined to be the calendar years 1947 and 1948) after the "cessation of hostilities." President Truman proclaimed the cessation of hostilities at noon, December 31, 1946.

"The price legislation sets up 3 classes of commodities," says Secretary Anderson. "One class is the so-called basic—cotton, corn, wheat, tobacco, peanuts (for nuts, not oil) and rice. The Stabilization Act of 1942, as amended, requires that loans be made on the 1947 and 1948 crops of these commodities at the rate of (not less than) 90 per cent of parity (except that on cotton the prescribed rate is 92½ per cent). After the 1948 crops, the loan rates on these commodities will be governed by the Agricultural Adjustment Act of 1948, as amended. Under that act the loan rates range from 50 to 75 per cent on wheat, corn, cotton and peanuts; on tobacco and rice the rates are discretionary.

"The Triple-A Act provides for establishment of farm marketing quotas for the basic commodities under certain supply conditions, if the producers (% vote) approve such quotas in a referendum. Loans on the basic commodities are not available if marketing quotas are disapproved by producers. When marketing quotas are in effect, loans are made at the full rate only to producers who do not exceed their farm allotments. Producers who exceed their farm allotments are subject to marketing penalties on their marketing excess and receive loans at reduced rate, only on the excess.

"The second class of commodities under price-support legislation is that of non-basic "Steagall" commodities. These are commodities for which the secretary by public announcement requested an expansion of production to meet the needs of the war emergency. These commodities are hogs, eggs, chickens (with certain exceptions), turkeys, milk, butterfat, dry peas of certain varieties, soybeans for oil, dry edible beans of certain varieties, peanuts for oil, flaxseed for oil, potatoes, sweet potatoes, and American-Egyptian cotton. We are required to support prices of these commodities at 'not less than 90 per centum of the parity or comparable price therefor.' . . . Comparable prices . . . if changes . . . resulted in a price out of line with parity prices for basic commodities. Comparable prices have been determined for soybeans for oil, peanuts for oil, and dry field peas.

"A fundamental difference between the basic and non-basic Steagall commodities is: For the non-basic Steagall commodities there is no regulatory legislation under which the adjustment of production can be achieved thru establishment of farm-marketing quotas and imposition of penalties on marketing in excess of such quotas.

"After December 31, 1948, price support for the non-basic Steagall commodities could be continued under existing authority, assuming that the CCC is continued as an agency of the United States. But . . . would be wholly discretionary. If the supports were continued, the level of support also would be discretionary.

"The third class of commodities subject to price supports includes all those not in the other two groups. For these, supports are permissible, rather than mandatory. Authority is found in the general powers of the Commodity Credit Corporation, in the so-called Section 32 that authorizes surplus removal and new-use programs with appropriations representing a share of tariff revenues, and in Section 4 of the Steagall amendment. In Section 4 (b) of the Steagall amendment, Congress declares it to be its policy that the Department of Agriculture (within the limits of available funds and taking into account the ability of producers to bring supplies into line with demand) so conduct its lending and purchasing operations as to maintain a 'fair parity relationship' between the commodities for which price support is mandatory and those for which it is permissible."

The immediate major problems, Anderson told the committees, are those which have to do with the non-

basic Steagall commodities. The reason is that "Government is committed to support prices of some of these commodities at a relatively high and inflexible rate—a rate that acts as an incentive to increase production beyond needs, with the result that resources are wasted and adjustments . . . retarded."

"I believe Congress intended all possible measures should be taken, in the formulation of price-support operations, to insure that by the end of the mandatory support period (December 31, 1948) producers will have adjusted production to meet peacetime requirements of the supported commodities.

"Any other view of the Steagall amendments," Secretary Anderson insists, "would attribute to Congress the intention that the statute should operate so as to leave producers in as poor a position to meet peacetime conditions of consumption at the end of the 2-year period of adjustment as at the beginning of the period."

It is on this assumption as to the intent of Congress (and on the further assumption that to support prices on Steagall commodities at not less than 90 per cent of parity no matter what the quantities produced may be) that the Department has announced "that for this year the price support on potatoes will be limited to producers who plant within goals established for their farms."

Before the Senate committee, Secretary Anderson stated emphatically this means that any producer who plants beyond his allotment goal will get no price support on any of his production. Anderson told the committees that Department attorneys are certain he has the necessary authority to require producers to stay within their allotments to share in price supports—but he would like to have the new Congress write such a provision explicitly into law.

The foregoing quotations, indicating the strong necessity of production controls to reduce production to meet demand under peacetime conditions, are from the testimony before the House committee, and by inference would indicate the Department fears surpluses in the postwar period.

Before the Senate committee, Secretary Anderson was more optimistic. After reciting that whereas the thinking when the Steagall amendment was adopted (1942) was that the end of the war would be followed by a sharp decline in demand for American farm products, Anderson said:

"Actually things haven't worked out that way. . . . We were not able to anticipate in 1941 or 1942 what war would do to the world food situation.

"The goals for 1947 called for continued high agricultural production for the simple reason that the outlook for American agriculture is good for 1947, and I hope for many years ahead. . . . Our ability to export wheat is now limited only by our ability actually to deliver it at ports. . . . Some people seem to feel the American farmers cannot expect a sizable continuing (export) market for such products as cotton and wheat. We have to say there are some real problems ahead, especially as European and Asiatic agriculture recovers to normal. . . . I don't see why American farmers should reduce production schedule in advance on the assumption that we cannot hold reasonable export market. . . . The same applies to cotton. Our cotton goal is up, slightly more than 23 million acres compared to only about 20 millions in cultivation July 1, 1946."

High production of fats and oils is called for this year. After that—or perhaps after 1948—"the deluge." Sugar similarly, with sugar scarce the coming year; after that, probably plentiful.

Then Secretary Anderson returned to his own offices to allow Congress to draw its own conclusions, and "propose something."

Use Less Fats, Oils

Consumption of food fats and oils by civilians during the war dropped from 48 pounds per capita in 1941 to 40 pounds in 1945, the lowest in more than 20 years.

Total imports of fats and oils into the U. S. in 1947 will not be much more than half of the 2 billion pounds imported annually in the immediate pre-war years.

Unload in 2 Minutes!

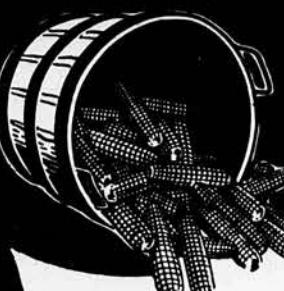
LITTLE GIANT DUMP BODY HOIST

Low Cost - Easy to Install

Takes the heavy work out of unloading—gets the job done fast! Any farmer, trucker, etc. can afford one. Fits all trucks—all beds. Simple to attach—you can do it yourself. Does not change the chassis in any way. No hydraulic cylinder to adjust and service—LITTLE GIANT works equally well in hot or cold weather. Easy-crank operation. Only \$65 and up. More LITTLE GIANTS in use than any other. Absolutely guaranteed. Write for details and prices.

LITTLE GIANT PRODUCTS, INC.
1570 N. Adams St., Peoria, Ill.

PIONEER



Hybrid SEED CORN

Throughout the Corn Belt—70,000 more farmers will grow PIONEER this year—than planted it last spring.
HIGHLY PROFITABLE RESULTS
is the reason.

Garst & Thomas Hybrid Corn Company
Coon Rapids, Iowa



Dr. Salsbury's REN-O-SAL

Drinking Water Medicine

Gives Your Chicks FASTER GROWTH,
QUICKER MATURITY, EARLIER EGG PRODUCTION
as Test-Proved, Using Customary Feeds



Give your chicks these tonic benefits by using Dr. Salsbury's Ren-O-Sal in their drinking water. Two Ren-O-Sal tablets-to-the-gallon helps them grow faster, mature quicker and reach that laying house sooner. These benefits have been substantiated using customary feeds.

Thousands of poultry raisers praise Ren-O-Sal for its many tonic benefits. Easy to use. Just drop handy tablets into the drinking water . . . mix thoroughly. Economical. Safe in any waterer—even metal.

For best results, give your chicks Ren-O-Sal in the drinking water right at the start and during their entire growing period . . . watch them "get-up and GROW!"

Prevents Spread of Cecal Coccidiosis
Dr. Salsbury's Ren-O-Sal, in 8 tablet-to-the-gallon doses, prevents the spread of cecal (bloody) coccidiosis. Give your chicks this treatment upon first sign of an outbreak (bloody droppings).

Get the large economy size package of Ren-O-Sal right when you get your chicks. Buy at hatcheries, drug, feed, other stores.

DR. SALSBURY'S LABORATORIES, Charles City, Iowa

A Nation-wide Poultry Service

Disinfect Brooder Houses with PAR-O-SAN
Get easy, pleasant brooder house disinfecting with Dr. Salsbury's Par-O-San. Efficient—yet safe . . . won't harm even baby chicks, used as directed.



Dr. Salsbury's REN-O-SAL

Double-Purpose DRINKING WATER MEDICINE

BUY WHERE YOU SEE THIS EMBLEM

1 STIMULATES GROWTH
(3 tablets per gallon)

2 PREVENTS CECEL COCCIDIOSIS
(8 tablets per gallon)

Buy United States Savings Bonds

Another STURDY STAHLER Product



Look at the strong and rugged all-welded construction and the Timken high speed, tapered roller bearings. Stahmer is that good wagon you've been wanting. Yes, it's built to stand hard service with heavy duty capacity. See how the bolsters may be adjusted both as to width and height, and the front bolster either rocks or can be made rigid. Yes, the length is adjustable too. Notice that the wheels are equipped with six-ply tires. The Stahmer wagon has been carefully engineered to pull easily, trail perfectly, ride low and combine all the modern up-to-the-minute features of good farm wagon construction. The price is right. Use the Stahmer Wagon to get the hard jobs done the easiest way.

WRITE FOR FREE ILLUSTRATED FOLDER AND NAME OF YOUR NEAREST DEALER

STAHLER FARM EQUIPMENT CO.
135 SO. LA SALLE STREET • CHICAGO 3, ILLINOIS

Marketing Viewpoint

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

What is your opinion of the hog market for 1947?—B. W.

The hog market is expected to hold up well from now until September. The supply of hogs to be marketed during this period is expected to be relatively small compared to the strong demand. The peak in the movement of the 1946 spring pig crop to market is now past, and seasonally small supplies are probable until about the first of April. From April to July the bulk of the market supply will come from the 1946 fall pig crop which is officially estimated to be 11 per cent smaller than a year earlier and the smallest in several years. The late summer and early fall supply of hogs is usually made up of discarded breeding stock. With the favorable level of hog prices and favorable feeding ratio, hog production will be expanding in 1947, which indicates that relatively small numbers of sows will be marketed.

After September considerable seasonal price decline may occur. The 1947 spring pig crop will begin to move to market at that time. This pig crop is likely to be larger than the 1946 spring crop, and demand probably will be decreasing by that time.

What was the cause in the recent decline in butter prices?—A. W.

Several reasons have been advanced as the cause of the decline in butter prices during the last few weeks. One of these is that milk production is increasing seasonally. Some persons also reported that consumer resistance to high butter prices was slowing down the movement of butter to consumers. Recently some retailers have announced that their volume of butter sales has been larger at present prices than at the higher prices several weeks earlier. Another important factor for the reduced butter prices was the diversion of large quantities of cream from other uses into the production of butter.

Do you think the price of wheat will advance any this spring or would it be advisable to sell what is in the bin now?—A. R.

It is probable that wheat prices will be strong during the next 40 to 60 days. Large quantities of wheat and flour are needed for shipment to Europe, and recently the Government has increased the goal of shipments for the remainder of this season. The Government is not buying aggressively at present, but buying probably will be resumed.

National Honor



H. Umberger

The long and distinguished extension career of Dean H. Umberger, Kansas State College, has been given national recognition. Council members of Epsilon Sigma Phi, national honorary and professional fraternity for extension workers, have elected him grand director of the fraternity. Dean Umberger has been dean and director of the Kansas State College extension service since 1919.

With False Teeth



- Relieves sore spots on tender gums due to ill-fitting dentures.
- Helps keep dental plate from raising and clicking.
- Helps prevent seeds from lodging under plate.
- Helps plate fit snugger.
- Helps you wear and become accustomed to new plates.
- Enables you to eat meat, tomatoes, pears, celery.

Is not a powder, is not a paste, will not stick to plate.

ASK FOR UPPERS OR LOWERS IN ORDERING
SEND 50¢ FOR 10 LOWERS
SEND 50¢ FOR 8 UPPIERS
(No Stamps Please)

MINIMUM ORDER OF EITHER KIND \$1.00
EZO PRODUCTS CO.
BOX NO. 9306, DEPT. T45.
PHILA. 39, PA.

SPRAY LIVESTOCK

CUT HOURS OFF YOUR SPRAYING TIME



POWERAIRE
equipment will spray any liquid insecticide or disinfectant. Ideal for applying D.T.T., Bromamide and other sprays to animals or buildings. Gives fast, uniform distribution at low cost. Connects in 10 minutes to your tractor, truck or car. Operates from engine compression. Will not harm motor. Attachments available for spraying buildings, gardens and trees, inflating tires and pressure greasing farm equipment.

SEND TODAY FOR FREE BOOKLET
about this and other PowerAire products.

POWERAIRE CORPORATION
332 S. MICHIGAN AVENUE, CHICAGO 4, ILL., DEPT. KF-27

For Greater Farm Profits

Own a KANSAS-MISSOURI SILO and GRAIN BIN

They lead the field in every essential feature. Our New Method of manufacturing builds Greater Strength—Beauty—Durability. Grain Bins that are Waterproof—Fireproof—Verminproof at a cost of only a few cents per bushel.

Look for the White Silo and Grain Bin. There is a difference. Investigate before you buy. Concrete Water Tanks. Building Blocks.

KANSAS MISSOURI SILO CO.
Topeka, 1929 Kansas Ave.
Topeka, Kansas, Ph. 2-2757
Write for particulars. Ask your neighbors. Come in and see us.

Walko TABLETS FOR ALL POULTRY

The reliable drinking water antiseptic. At all druggists and poultry supply dealers. 50c, \$1.00, \$2.50 and \$4.00. MONEY BACK GUARANTEE

WALKER REMEDY COMPANY, Waterloo, Iowa

SALINA CONCRETE STAVE SILOS

IF IT'S CONCRETE WE MAKE IT

Let us tell you about the Silo that is built to last a lifetime. The very latest in design and construction. See the new large free-swinging doors and many other exclusive features. The Salina Silo has been giving farmers perfect service for 34 years. Get the Facts—Write TODAY.

The Salina Concrete Products Co.
Box K Salina, Kansas

OTTAWA LOG SAW

EASY TO CUT
CORD WOOD BIG BOOK FREE
GET FUEL FAST
Wood is bringing the highest prices ever known. There is a big demand for wood. Ottawa Log Saw is easily operated. Falls trees, saws limbs. Turn your wood lot into money.

OTTAWA MFG. CO. 211 Wood Street, OTTAWA, KANSAS

NATIONAL VITRIFIED SILOS

Everlasting TILE SILOS
Cheap to install. Trouble Free. Also The Stave Silos. Outside Resurfacing.

NO Blowing In
Blowing Down
Freezing
Snow Roller Bearing Storage Cutters.

Write for prices. Special discounts now. Good territory open for live agents.

NATIONAL TILE SILO COMPANY
636 Livestock Exchange Bldg.
KANSAS CITY 12, MISSOURI

Classified Advertising Department

KANSAS FARMER Classified Advertising

WORD RATE

10c per word each issue.
Minimum—12 words.
Names and addresses are part of ad, thus are
billed at per-word rate.

Livestock Ads Not Sold on a Per-Word Basis.

DISPLAY RATE

Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1	\$4.90	2	\$19.60
1/2	0.80	3	29.40

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

BABY CHICKS

Big Profits This Year with Roscoe Hill Chicks. Heavy laying Austra Whites, White Leghorns, White Rocks, Barred Rocks, Reds, Wyandottes, Orpingtons, Rock-Legs give you choice of breeds for egg or meat profits. Flocks improved by use of hundreds of pedigree males—from 200 to 311 egg hens. Hundreds of customers testify to big profits with Roscoe Hill chicks. Write for New Catalog, prices and early order discount. Roscoe Hill Hatchery, 908 R St., Lincoln, Nebraska.

"Blue Blood" Super-charged, power-link hybrid chicks from crosses of top-notch, U. S. Certified Pullorum Controlled purebreds. Austra-Whites, Leggros, Legshires. Also best purebreds. Phenomenal health, growth and egg production. Livability guaranteed 95% for three weeks. Discounts for Early Orders. Write for customer proof and low prices on quality chicks. DeForest Hatchery and Poultry Farm, Inc., Box 35, Junction City, Kansas.

Model Chicks—means Profitable chicks—bred and hatched the Alexander way. All popular breeds from bloodtested flocks. Hatched in our modern incubators. All guaranteed and shipped prepaid. Started pullets our specialty—White Leghorns and White Rocks. Low Prices on chicks and pullets—get our price list first. Write Today for prices. Free catalog. Alexander's Model Hatchery, Box C-3, Creighton, Mo.

Coombs Chicks. Get chicks from real ROP trapnest-pedigree strain, Leghorn chicks, 250-322 egg sired for 27 years back—no exceptions. Austra-White Chicks, 203-324 egg breeding both sides of family. Bred for high livability, progeny test method. U. S. Pullorum Controlled. Reasonable prices. Free catalog. Coombs & Son, Box 6, Sedgewick, Kansas.

Tindell's U. S. Approved, Pullorum Controlled Quality chicks. Leading purebreds including New Hampshires, Buff Orpingtons and Rapid Feathering White Rocks. Hybrid in Austra-Whites, Leggros, Legshires, Redrocks, Cockerels. Pullets, started capons. Early order discount. Free catalog. Tindell's Hatchery, Box K, Burlingame, Kansas.

Mathis Chicks. Bred 35 years for High Production Big Eggs, Quick Growth, Disease Resistance. Winners National Laying Contests. Hundreds Bloodtested 200-355 Egg Males in 1947 Matings. 12 Breeds and Assorted \$6.90 per 100 up. Free Catalog gives Big Discounts Advance Orders. Mathis Poultry Farm, Box 927, Parsons, Kansas.

Coombs Hy-Line Chicks. Produced from inbred lines like hybrid corn. Actual tests, 105 farms. Hy-Lines laid 30%-54% more eggs than other breeds. Hy-Lines lay 12-14 months profitably. We invite your most searching inquiry. Get complete facts. Free Hy-Line catalog. Write today. Coombs & Son, Box 6, Sedgewick, Kansas.

We Have Up to 10,000 chicks weekly to put out for raising on shares. A fair proposition so you get your chicks when wanted, settle with grown chickens. Purebreds and hybrids as hatched. Cockerels for broilers. Write today for information on share chicks. Berry Brothers Farms, Box 3316, Atchison, Kansas.

Grimith Chicks. Immediate Future Delivery. Bred 25 years to make profitable layers—quick maturing fryers. Barred, White Rocks, Reds, Wyandottes, Orpingtons, Austra-Whites, Standard Mating \$8.95 per 100. Silver-Gold Matings \$11.45. Postpaid with cash or \$1.00 per 100 deposit—balance COD. Free Catalog. Grimith Hatchery, Box 617, Fulton, Missouri.

Baby Chicks—F. O. B. husky, vigorous from bloodtested layers: White, Buff, Brown Leghorns, \$8.95; pullets, \$15.95. Rocks, Red Orpingtons, Wyandottes, \$8.95; pullets, \$13.95; heavy assorted, \$8.95. Surplus cockerels, \$3.95. Calendar Catalog. Terms, guarantees. Bush Hatchery, Clinton, Mo.

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, \$8.95. Surplus cockerels, \$2.95. Thompson Hatchery, Springfield, Mo.

Windsor Saves 20% on Chicks. Large High-Production Lopend Combed White Leghorns. Mammoth-bred to lay White Rocks. Also 3-4-week-old best eggs bred White Leghorn Pullets. Save up to 20% on high egg bred chicks. Broiler Cockerels \$2.40 per 100. Write for low prices. Windsor Hatchery, Windsor, Missouri.

15,000 Chick Daily! 50% profit producing broilers, eggs this year. Fastest growing, high livability, sexed, straight run New Hampshires, White Rocks, Leg-Hamps, Austra-Whites, Leghorns. Lowest prices, prompt shipment. Live arrival your town. Pioneer Hatchery, Boone, Ia.

Brookfield "Big Money Bred" Chicks 250-325 egg foundation breeding, 28 Varieties. U. S. Approved-Pullorum Tested. Large scale production enables lowest prices. Write for big 24-page Illustrated Catalog—Poultry Guide Free. Brookfield Chickeries, Box K, Brookfield, Mo.

Purebred and Hybrid Chicks—Buff, Brown, White Leghorns; Minorcas; Rocks, Reds, Rhode Island Whites, Austra-Whites, Leg-Reds, Leg-Rocks, Leg-Orcas. Also sexed chicks. Bartholomew's Ideal Hatchery, Eskridge, Kansas.

Tudor's Superior Quality Chicks. Kansas Approved and 100% Pullorum Tested. Purebreds and Hybrids. 40th year. Place your orders in advance. Tudor's Pioneer Hatcheries, 2220 N. Central, Topeka, Kan.

ROP Sired Hampshire Reds; Speckled Sussex; Black Australorps; Austra-Whites; Wyandottes; Ten Breeds. All Tested, Sexed and Started Chicks. Monarch Hatchery, Hamilton, Missouri.

Chicks on a 30 Days trial Guarantee. All varieties. Missouri Approved. Blood Tested. Easy Buying Plan. Low Prices. Chick Manual Free. Missouri State Hatchery, Box 271, Butler, Mo.

Baby Chicks—Sturdy quality, 25 purebreds, 6 crossbreeds, bloodtested, licensed inspected, low prices. Rush postal, colored book free. Albert Frehse, Route 12, Salina, Kansas.

Fisher's Certified New Hampshires, pullorum clean. High producing Austra-White, Black Australorps, all standard breeds. Circular. Fisher Hatchery, Wilson, Kansas.

Superquality Chicks. Jersey Giants, Buff Minorcas, Golden Buff Rocks, Buff Orpingtons and 10 other breeds. Free literature. The Thomas Farms, Pleasanton, Kansas.

BABY CHICKS

Schlitzman's U. S. Approved, Pullorum Controlled 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. Schlitzman Hatchery, Appleton City, Mo.

STARTED CHICKS

Started 3 to 4 Weeks—Cheaper than you can raise them yourself. Out of danger, healthy, strong. Large sanitary, sterilized plant saves you worry, work, money. Special Bargains. Year around production. Raise chicks on Berry's Profit Sharing plan. Catalog Free. Write today. Berry Brothers Farms, 3313, Atchison, Kansas.

ANCONAS

Brookfield "Big Money Bred" Mottled Anconas. None finer. U. S. Approved-Pullorum Tested. 24-Page Illustrated Catalog-Poultry Guide Free. Brookfield Chickeries, Box K, Brookfield, Mo.

AUSTRALORPS

Australorps, Greatest Heavy Breed Egg Layers. Ernest Berry's Foundation mating proven satisfactory. Customers repeat orders. Most hens average over 200 eggs yearly. Write for information. Low chick prices. Sunflower Poultry Farm, Box 611, Newton, Kansas.

Best Quality Black Australorp chicks, eggs. Extra quick maturity, wonderful layers. Literature. The Thomas Farms, Pleasanton, Kansas.

JERSEY GIANTS

Brookfield "Big Money Bred" White or Black Giants. None finer. U. S. Approved-Pullorum tested. 24-Page Illustrated Catalog-Poultry Guide Free. Brookfield Chickeries, Box K, Brookfield, Missouri.

Superfine Chicks, White Giants, Black Giants, other breeds. Literature. The Thomas Farms, Pleasanton, Kansas.

LEGHORNS

BIG ENGLISH LEGHORNS
We really have them. Famous large bodied layers of lots of big white eggs. Direct importers Barron's best bloodlines (up to 305 egg breeding). 25th year continuous flock improvement by a real breeding farm. Thousands of satisfied customers in 36 states say "best money making strain." We can please you too, too. Sexed or non-sexed, reasonable prices, bank references. Write for "The Proof" free. Bartlett Poultry Farm, 1704 So. Hillside, Dept. B, Wichita, Kan.

Every Male Pedigreed

Records 250 to 358 eggs. 15 years of pedigreed breeding for high production and big type White Leghorns. Gives you better layers. Write for descriptive literature. Guaranteed delivery dates, prices reasonable. Discount for placing order early.

BOCKENSTETTE'S, Hiawatha, Kansas

Krehbiel's Brown Leghorns produce more eggs with less care. Rich with high egg record blood. The result of 25 years of breed improvement. Top notch layers. Real rugged rustlers. Can't be beat at the nest. 100% bloodtested. Fully guaranteed. Write for free list of low prices. Krehbiel Hatchery, Box KF, Trenton, Missouri.

Cantrell's Famous Purebred, bloodtested, ROP sired, U. S. Certified Large-type English White Leghorns. Buy chicks that Live, Grow, Lay and Pay. Circular free. Cantrell Poultry Farm & Hatchery, Carthage, Mo.

MINORCAS

Brookfield "Big Money Bred" Minorcas—White, Black or Buff. None finer. U. S. Approved-Pullorum Tested. 24-Page Illustrated Catalog-Poultry Guide Free. Brookfield Chickeries, Box K, Brookfield, Missouri.

NEW HAMPSHIRE CHICKS

Cantrell's Famous Purebred, bloodtested, U. S. Approved Husky New Hampshires and White Rocks. Free circular on chicks that Live, Grow, Lay and Pay. Circular free. Cantrell Poultry Farm & Hatchery, Carthage, Mo.

Our Superfine New Hampshires are ideal for both farm and city. No other breed will feather quicker, grow faster, or lay sooner. Chicks, eggs, literature. The Thomas Farms, Pleasanton, Kansas.

WYANDOTTES

Brookfield "Big Money Bred" Wyandottes—White or Silver Laced. None finer. U. S. Approved-Pullorum Tested. 24-Page Illustrated Catalog-Poultry Guide Free. Brookfield Chickeries, Box K, Brookfield, Missouri.

Best Quality Silver Laced Wyandottes, also Whites. Chicks. Literature. The Thomas Farms, Pleasanton, Kansas.

TURKEYS

Turkeys—Texas best. Broadbreasted Bronze, White Hollands, Black Spanish. Breeding stock guaranteed to please. Special prices. Thousands of eggs and pouls. All produced on our own turkey ranch. Every breeder must pass two clean bloodtests. Started pouls to six weeks. Write for our price list before you buy stock, eggs or pouls. Texas leading turkey breeders. Texas Turkey Ranch, Franklin, Texas.

Introducing—The New Belts-Bronze turkeys. Belts-Bronze have that extra Cross-Bred livability and vitality. They combine the better qualities of Beltsville White and Broad Breast Bronze for a faster growing turkey. Market a higher per cent of your birds by growing Cudahy's Belts-Bronze. Cudahy's Sunlight Hatchery, Alma, Nebraska.

Broad Breasted Pouls That Live. 95 per cent average hatch last season of fertile eggs prove Ross' Pouls are strongest. Bred for Type. Large, Stocky Build. Broad Breasted. Quick development. Get your order in early. Ask for Illustrated Circular and low prices. Berry's Sunflower Hatchery, Box 615, Newton, Kansas.

Griffith's Choice Broad Breasted quick maturing Bronze Pouls 15,000 Weekly. Bred from carefully selected Pullorum Tested and mated breeders. Save with our big discounts on Advance Orders for 1947 delivery. Write for Free Circular. Prices. Griffith Turkey Farm, Box 767, Fulton, Missouri.

Baby Chicks—Sturdy quality, 25 purebreds, 6 crossbreeds, bloodtested, licensed inspected, low prices. Rush postal, colored book free. Albert Frehse, Route 12, Salina, Kansas.

Fisher's Certified New Hampshires, pullorum clean. High producing Austra-White, Black Australorps, all standard breeds. Circular. Fisher Hatchery, Wilson, Kansas.

Superquality Chicks. Jersey Giants, Buff Minorcas, Golden Buff Rocks, Buff Orpingtons and 10 other breeds. Free literature. The Thomas Farms, Pleasanton, Kansas.

POULTRY SUPPLIES

For Sale—Complete hatchery equipment. Smith Incubator—47,000 capacity, new heating and cooling coils, also new thermostat. Salina Hatchery, 122 W. Pacific St., Salina, Kansas.

Buckeye Incubator, 6,400 eggs—\$100.00. R. W. Johnson, Tecumseh, Kansas.

U. S. Approved Pure Broad Breast Bronze Poult and Pure and Hybrid Baby Chicks. Circular. Free. Order early. Steinhoff Hatchery & Turkey Farms, Osage City, Kansas.

Krehbiel's Premium Market Quality White Rocks. No. 1 heavy breed. Bred for double profits. Grow fast to broiler size. Lay lots of large, brown eggs. High egg record bloodlines. 100% bloodtested. Fully guaranteed. Write for free list of low prices. Krehbiel Hatchery, Box KF, Trenton, Missouri.

● POULTRY—MISCELLANEOUS

Peafowl, Pheasants, Bantams, Guineas, Ducks, Geese. Thirty Varieties Pigeons. Free Circular. John Hass, Bettendorf, Iowa.

LOOKING BEYOND THE HORIZON FOR

WE UNCONDITIONALLY SURRENDER the Privilege of judging for yourself the Profit-Making Ability of our High Producing Strains of Chicks. Our Supreme Quality Matings are better than 97% pure from 200 to 350 Egg Bloodlines.

We not only Guarantee the Livability of the baby chicks, but Guarantee you be completely satisfied with the Egg Production of the matured hen within one full year from the date of purchase. We Especially want you to try GIBSON PRODUCTION REDS (Pemberton Strain). Some call them R. I. Reds, some call them New Hampshires. Whatever they be called we know they are unsurpassed in Egg Production under average Farm Conditions. Write for Free Catalog.

SPECIAL
Heavy Assorted Cockerels
\$6.90 per hundred

GIBSON QUALITY HATCHERIES
U. S. Approved—Pullorum Passed
LEXINGTON, CONCORDIA, NORBORNE,
AND SLATER, MISSOURI



SUNFLOWER BIG HUSKY CHICKS

B. W. D. TESTED

Backed by Quality—Bloodlines From America's Finest R. O. P. and Trapnest Strains.

Prepaid White Rocks, Barr. Rocks, R. I. Reds, Wh. Wyans, Rock Reds.... As Hatched 990 \$14.90

Big English White Leghorns, Brown Leghorns, Austra-Whites.... \$9.90 \$18.90

Order direct, or write for FREE catalog and full particulars.

SUNFLOWER HATCHERY, Fort Scott, Kansas.

BABY CHICKS

U. S. APPROVED
Pullorum Controlled **CHICKS**
SEXED PULETTES \$10.95 COCKERELS \$3.95
As Low As... 100 For 100 As Low As 100

Write for FREE CATALOG Listing All Breeds

The WHITE CHICKERY, SCHELL CITY, MISSOURI

Champion Bred for Eggs

Customers praise results from our high egg record males 250 to 358 eggs a year. High production our specialty. Write for free literature of all leading breeds. Guaranteed delivery dates. Prices reasonable. Discount for placing order early.

AUSTRA-WHITES

Stillwater Hatchery
Home of Oklahoma's Finest Chicks features

Dynamic Austra Whites

Stillwater Hatchery has developed through superior breeding methods an Austra White with Dynamic Qualities.

Dynamic means lower mortality, faster growth, quicker feathering, earlier maturity. Pounds Count with every broiler raiser. Heavier weight at an early age means more profit.

Dynamic Egg Power has been bred into Stillwater Austra Whites. These large 6 1/2 pound hens are persistent layers. Production reports at 4 and 4 1/2 months.

Write today for description and prices. Clinch a delivery date now.

STILLWATER HATCHERY
Stillwater, Oklahoma

Berry's Austra-Whites Proven. Extra Big Profit Producers. Berry's Breeding Farm Headquarters. Pioneers Austra-White Hybrids. 65,000 Super DeLuxe Leghorn Hens mated with Record Australorp Males. Many Hens average 200 eggs yearly. Lay 4 1/2 months. Rugged Farm Chickens, develop faster, healthier, high livability. Cockerels weigh 2 1/2 pounds eight weeks. Hens 6 1/2 pounds. Write for Illustrated Catalogue. Low Chick Prices. Berry's Sunflower Hatchery, Box 61, Newton, Kansas.

Sensational Money-Making Austra-Whites. Many customers report 7 week broilers, layers 9 months. Extra healthy, disease resistant, fast feathering, maturing. Pedigreed 300 eggs sired matings. 50,000 guaranteed chicks weekly. Pullets, cockerels, started pullets. Low farm prices. Raise chicks on Berry's profit sharing plan. Write for catalog and free information to World's Largest Austra-White Breeders. Berry Brothers Farms, Box 331, Atchison, Kan.

Four-Week-Old Austra-Whites. Save Feed. Time and Money! Practically all chicks brooded last year. Live Bre

Kansas Poultry Improvement Association Hatcheries

BERRY'S
POULTRY BREEDERS SINCE 1895

AUSTRA-WHITES

DAY OLD PULETS 4 WEEKS OLD

ATTENTION! BROILER RAISERS

FAST-MATURING, FEED SAVING, DAY-OLD & STARTED COCKERELS

CHOICE BROILERS

Step into the rising egg market with America's laying sensation—a cross of 2 World's Champion Laying breeds, Berry's Started Austra-Whites ready to lay in 3½ to 4 months—pour eggs out the year around. Proof sent from State Experiment Station shows they eat less feed, convert it fast into more eggs.

PHENOMENAL YEAR-AROUND EGG PRODUCTION

With Berry's RUGGED STARTED Austra-White HYBRID PULETS, you're past the hard chick-raising problems and selling eggs by the case in a hurry. Mrs. C. M. Vandeventer, Ill., writes: "Have made GOOD PROFIT despite higher feed costs." Mrs. G. Mangrum, Tenn.: "Paid great profit in spite of high feed cost." Day-old sex-guaranteed Austra-White pullets lay early as 4½ to 5 mos. Write today for Early Order Savings and FREE Catalog.

CHEAPER Than You Can Raise Them — Low As \$24.90 PER 100

SENSATIONAL MONEY MAKERS

RUGGED AS A MULE. Grow extra fast, mature extra early. Resist disease. Live extra good. CONSERVE FEED. **FREE BOOK** brings full details.

STARTED COCKERELS LOW AS \$19.90 PER 100

Get full facts now. Write today.

20 OTHER KINDS OF CHICKS INCLUDING YOUR FAVORITE BREED HATCHING EVERY WEEK AT LOW FARM PRICES—sexed pullets, cockerels or straight run. BY AIR or rail anywhere. CATALOG FREE.

★ GEORGE BERRY (WRITE EITHER ADDRESS) ERNEST BERRY ★

154 BERRY ROAD, ATCHISON, KANS.

154 BERRY ROAD, NEWTON, KANS.

• ORIGINATORS AND WORLD'S LARGEST PRODUCERS •

DeForest Better Chicks

U. S. Approved

Master-control Breeding Using R. O. P. Legbanded Males Producing "Blueblood" Strain.

Austra-White and Leg-Shire Hybrids
Big Egg-type S. C. White Leghorns
Early Feathering White Rocks

Livability Guarantee
95% to 3 Weeks.

Pullorum Controlled

New Hampshires
Black Australorps
Eight Other Breeds

Early Order Discounts.

DeForest Hatcheries, Peabody, Kansas
Branch Plants—Marion, Junction City, Cottonwood Falls and Hutchinson, Kansas.

Goodsell's AAA Quality Chicks

U. S. Approved
PULLORUM CONTROLLED
Top quality from select breeds. 23 years breeding means much to you.
Leading Breeds \$12.00
and **Cross Breeds** 100 up
Write for Free Folder.

Goodsell Hatchery, Dept. K, Iola, Kan.

CHICKS AND POULTS

U. S. Approved. You will need to buy quality this season chicks and poult to make more profit. Quality is our motto. Both chicks and poult are U. S. Pullorum controlled. Free from disease. The breeding flocks are from U. S. R.O.P. bloodlines, which are trapnested and pedigree. Our poult are the very best type—bronze only. Write us for prices.

SHAWNEE HATCHERY
1921 Hudson, Topeka, Kansas.

PROFIT SHARING PLAN

With Berry's Austra-Whites

Poultry Breeder Since 1895
Rugged Hybrid Farm Chickens
SUNFLOWER HATCHERY, BOX 55 Newton, Kans.

COLONIAL Austra-Whites

Best grade rich in 200-300 egg R.O.P. blood. Double tested for pullorum. As hatched or sexed. Vigorous, rapid growth, excellent broilers. Customers report over 200 eggs per hen. Big Catalog free. COLONIAL POULTRY FARMS, Wichita, Kansas.

BIG PROFIT AUSTRALIA-WHITES

Sensational MONEY MAKING HYBRID. Customers report broilers 8 weeks, laying 4-1-2 mos. Disease resistant. Heavy Layers. 60,000 chicks weekly. Started pullets. Profit Sharing Plan. FREE Book. Write today.

BERRY BROS. FARMS, Box 502, ATCHISON, KANS.

MACHINERY AND PARTS

NEW AND USED TRACTOR PARTS

Write for big, free 1947 catalog; tremendous savings. Satisfaction guaranteed.

Central Tractor Wrecking Co., Des Moines 3, Ia.

Attend the Big Grand Opening of our New Farm Store and Parts Warehouse, 340 North Water Street, Wichita, Saturday, February 1. Gifts and refreshments. If you have not received your copy of our 1947 farm catalog, listing thousands of critical items at money saving prices, write today. Sleeves, rings, valves, radiators, bearings, governors, gasoline manifolds, tire chains, attachments, accessories. Tractor Supply, 2682 North Halsted, Chicago 14, Ill.

Richman's Hammermill—Poorman's Price, \$44 to \$65 complete. 2-plow tractor ample, World's largest manufacturers Grain Blowers and Basin Tillers. Write today. Link Mfg. Co., Fargo, North Dakota.

Tractor Parts. Many hard to get items now available. Write for lowest price, buy from us and save money. Galesburg Tractor and Lug Company, Successors to Irving's Tractor and Lug Co., of Galesburg, Dept. 10, Galesburg, Ill.

JOHNSON'S

Triple-Test CHICKS

Save Money! Leading varieties U. S. Approved. Pullorum tested heavy breeds, White Leghorns, Austra-Whites. Sexed or straight run. 30 yr. constant flock improvement for more eggs and meat. Johnson's White Leghorn chicks are sired 100% by sons of R.O.P. males with records up to 350 eggs. Our Austra-Whites also are rich in pedigree blood. Write today for catalog and price list.

JOHNSON'S HATCHERY
218-C West 1st. Topeka, Kan.

New Hampshires

U. S. Approved—Pullorum Tested. Our New Hampshires are outstanding for fast, uniform growth, unusual hardiness, and layers of large eggs. We also hatch all leading breeds and Austra-Whites. Write for folder and Special Discounts.

WELLS HATCHERY, Lyons, Kan.

DeRUSSEAU

Broad Breast Bronze Poulets

U. S. Approved, Pullorum Passed Quality—No reactors. Tube Tested by Bacteriology Dept., Kansas State College. Real Broad Breast Stock, surpassing National Turkey Plan requirements for width of Breasts. Prices on request.

DERUSSEAU HATCHERY
Box 294A Clyde, Kansas.

Hatching Eggs—Baby Chicks

U. S. Approved, Pullorum Controlled from free range farm flocks shipped the year 'round. All popular breeds and Varieties. We specialize on Barred Rocks, White Rocks and Reds. All eggs electrically Egomatic Graded.

WILLIAMS CHICK HATCHERY, Harper, Kan.

MACHINERY AND PARTS

Free 1947 catalog, 68 pages of new and used tractor repairs for most all models. Unusually large selection. Quality guarantee. Dependable service. Low prices. Acme Tractor Salvage Company, Lincoln, Nebraska.

New and Used Tractor Parts for 137 different models. Describe your needs for immediate price quotations. Order from Irving's Tractor and Lug Company, 2835 N. Broadway, Wichita, Kan.

For Sale—John Deere A.R. 36 tractor, new rubber, brakes, just overhauled. New 14-inch John Deere plow. Herman Babcock, R-2, Nortonville, Kansas.

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

For Sale—Jacobs Wind Electric system 32 volt with farm and household appliances. Elmer L. Peterson, R-2, Inman, Kansas.

Windmills, direct from factory, \$33.00 up. Guaranteed 5 years. Free literature. Write today. Currie Windmill, Box 428, Salina, Kansas.

Buy Chicks of Recognized Quality This Year---

Buy U. S. Approved, U. S. Certified, U. S. R. O. P. Chicks—The (U. S.) is your assurance of Quality. Next Issue will carry a complete list of Kansas Hatcheries producing these grades.

The Kansas Poultry Improvement Assn. Manhattan, Kansas

COLONIAL

WORLD'S LARGEST CHICK PRODUCER
Announces NEW CUT-PRICE OFFER

Do you want BETTER CHICKS for LESS money? Do you want LAYERS? More people buy Colonial Chicks than any other kind. The reason—EGG PROFITS from COLONIAL breeding. Over 180,000 Wing-Banded R.O.P. males used last 20 years (dam's R.O.P. records 200-351 eggs). Great numbers of Official Egg Laying Test Pens—5 U. S. Grand Champion Pens in 5 Breeds added in 1 year alone. The result—Colonial's Best Egg Chicks are 50% to almost 100% blood out of 200 to over 300 egg hens.

Fine Blood in Colonial's Lowest Price Chicks!

Customer after customer with flock averages over 200 eggs per bird has resulted from Colonial's Best Egg Program.

Do You Want to Save Real Money?

Write for Colonial's CUT-PRICE OFFER—no matter where you live. 9 big hatcheries located for quick delivery to any state. Popular varieties. SEXED, if desired. CROSSBREEDS also. Easy terms of \$1.00 down. Send letter or card today for 2 BIG FREE CHICK BOOKS.



FREE TWO BIG BOOKS

Book No. 1: New farm-tested poultry book: latest discoveries reported by 20 farm college experts. Book No. 2: Colonial's Chick Catalog with pictures in natural colors. Both Free!

COLONIAL POULTRY FARMS, Wichita, Kansas

DeRusseau Chicks

U. S. Certified, Pullorum Passed Leghorns; U. S. Approved, Pullorum Passed Heavy Breeds and Crosses. Fast feathering strain of White Rocks. Pullorum Infection reduced to Zero in all flocks—this means better livability. Our real breeding, plus our better livability, insures you greater success. Write for prices. Sexed or straight run.

DeRUSSEAU HATCHERY
Box 294A Clyde, Kan.

Husky, Vigorous

U. S. Approved Chicks, from bloodtested flocks. White Rocks, White Leghorns, Austra-Whites and Reds. Write for catalog and price list.

Sterling Heights Hatchery, Iola, Kansas

A Sound Breeding Program

We specialize in N. H. Reds; Austra-Whites; and White Leghorns. U. S. Approved, and U. S. Certified Chicks. Take advantage of our early order discount. B & C Hatchery, Neodesha, Kan.

Order O-K Quality Chicks

We specialize in Austra-White and New Hampshire Red chicks. Bred for high egg production. Straight run or sexed. Leading Breeds.

O-K HATCHERY, INDEPENDENCE, KAN.

QUALITY CHICKS

Don't Just Happen, we breed 'em that way. U. S. Approved, Pullorum Controlled. See them and be convinced.

WILCOX HATCHERY, KINGMAN, KAN.

CHICKS

U. S. Approved, Pullorum Passed Quality—No reactors. Tube Tested by Bacteriology Dept., Kansas State College.

Real Broad Breast Stock, surpassing National Turkey Plan requirements for width of Breasts. Prices on request.

Engle Electric Hatchery, Hays, Kan., Phone 120

THURMAN HATCHERY, Anthony, Kansas

FOR CHICKS WITH STAMINA

To live and grow, you can't beat our Quality Chicks, hatched right, from high producing flocks. Write for literature and prices.

THURMAN HATCHERY, Anthony, Kansas

Mayfield's Chicks

Are chicks live! U. S. Approved, Pullorum Controlled. Big healthy New Hampshires, White Wyandottes that are all rose combs.

MAYFIELD HATCHERY, 513 East 7th Street, Holton, Kansas.

25 YEARS

A Quarter of a Century of Real Service to Poultry Folks.

Master Breeder's Farm and Hatchery

Cherryvale, Kansas.

WILLIAMSON HATCHERY, Holton, Kansas

BABY CHICKS**Try Oklahoma's Finest Chicks****"Profit Champions of Our Times"****QUALITY BREEDING COUNTS**

Demand the best chicks possible for restocking your flock. Why gamble with inferior chicks? Stillwater Chicks have Dependable Quality.

300-309 egg bloodlines head our large-type English White Leghorn matings. Special males from Harold Tompkins sire our AAAA Rhode Island Red matings. Dynamic Egg Power is bred into our Austra Whites.

Profit-producing matings in 21 varieties. Hundreds of customers report success and satisfaction.

Write for Prices on Chicks and Bronze Poulets.

STILLWATER HATCHERY
Stillwater, Oklahoma

ARENS Better Chicks

Leading Breeds. Production Bred Chicks, Rich in 250 to 310 egg bloodlines. 40,000 Quality Chicks each week. Cockerels \$2.95 per 100 up. Prepaid. Write for folder or come in and look over our plant over.

ARENS HATCHERY, Box 568, Emporia, Kan.

Wonderful Poultry Book
FREE LOW PRICES 48 varieties SEX-LINKED and PURERBRED BABY CHICKS, Poults or Cockerels, also STARTED CHICKS, BABY TURKEYS, MATERNAL CHICKS and Hatchling EGGS. ALL FLOCKS BLOOD TESTED FOR SWINFLU. Write for this free book.
GREAT WESTERN HATCHERY, Box 34, Salina, Kans.

MACHINERY AND PARTS**COMBINE OWNERS**

We Can Furnish

V-Belt Drives

To Replace

Chain Drives

For These Combines

International Self-Propelled 123 SP; Case Combines A, B, C, H, M, K, P; Holt, Caterpillar 34, 36; Platform Drive for John Deere 17, 5A; Engine Drive for M-M, G2, G3, Jr. Write for literature.

Farrar Machine Shop, Norwich, Kans.

FILMS AND PRINTS

Beautiful Summergloss Reprints only 2c each. Rolls developed two guaranteed prints made from each negative 25c. Your favorite Photo copied and 12 Billfold size prints made from it 50c. Enlargements—why pay more? Two 5x7 enlargements 25c. Five 8x10 enlargements only \$1.00. Send negatives. Summers Studio, Unionville, Mo.

8 Exposure Rolls Developed, 1 print each and one enlargement coupon 25c. Two each and coupon 35c. 3 each and coupon 40c. Reprints 3c. Fred V. Eastman, Bode, Iowa.

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

Roll Developed, two prints each exposure 25c. Additional reprints 3c each. Skrusland, 6444-R Diversey, Chicago.

8 Double-Size Prints, 30c. Pre-war quality. Quick service. Willard's, Box 3518L, Cleveland, Ohio.

EDUCATIONAL

AUCTION SCHOOL Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world. 14 years in Operation. Don't be misled. Term soon. Free catalog. Write

REISCH AUCTION SCHOOL, Mason City, Iowa

Make Up to \$30-\$40 Week as a Trained Practical Nurse! Learn quickly at home. Booklet free. Chicago School of Nursing, Dept. F-2, Chicago.

Penmanship! If poor, I've good news for you. Send name in own handwriting—no obligations. Inventor Ozmont 3, St. Louis, Mo.

Learn Auctioneering. Students given actual sales experience. Free catalog. Term soon. Lane Auction School, Mason City, Iowa.

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.

DOGS

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

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

GARDEN SUPPLIES

80-Page Catalog—filled with culture information on vegetables, field crops and flowers; planting guides, tables and calendars that tell how much, when and how to plant; spraying information; also profusely illustrated garden supply section. Magnolia Seeds are Good Seeds, from world's finest seed breeders. Send postcard for this Catalog—now. Magnolia Seed Company, Dept. KF-F2, Dallas, Texas.

FERTILIZER

Schrock's Natural Phosphate finely ground 31% or high P(2) O(5). Immediate shipment in bulk. Order now for bagged material later. Dealers and distributors wanted. Schrock Fertilizer Service, Congerville, Illinois.

AGENTS AND SALESMEN

Make 50% Selling Seeds. Order twenty, 5c packets today. Pay when sold. Daniel Seed Farms, Grantsburg, Wisconsin.

MISCELLANEOUS

Hot Water Heaters
Electric, Butane, Oil and Gas for immediate delivery.
MIDWEST APPLIANCE STORE
608 Kansas Ave., Topeka, 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	\$25.00	\$30.00	\$17.65
Hogs	28.85	22.75	14.55
Lambs	22.75	23.65	15.00
Hens, 4 to 5 lbs...	.19	.20½	.21
Eggs, Standards ..	.40	.39	.32
Butterfat, No. 1 ..	.57	.70	.46
Wheat, No. 2, Hard	2.16	2.10½	1.68½
Corn, No. 2, Yellow	1.55	1.31½	1.13½
Oats, No. 2, White	.89½	.85	.79½
Barley, No. 2 ..	1.23	1.28	1.34
Alfalfa, No. 1 ..	30.00	35.00	30.00
Prairie, No. 1 ..	23.00	25.00	27.50

Saves Expensive Hay

Temporary pasture saves expensive hay. Rolland Wallace, Linn county, figures 10 acres of barley seeded last fall saved between \$150 and \$200 worth of hay for his 5 dairy cows alone. In addition it was used as pasture for his registered Hampshire sheep.

Compared to the usual row and grain crops, this barley paid off so well that Mr. Wallace plans to shift most of his 120-acre farm to legumes and pasture.

It will be an important item in the maintenance of his sheep flock. He has 48 head of registered Hampshire ewes and saves his best bucks to sell as yearlings. When yearling bucks bring \$50 it is better than selling them as lambs for \$10 or \$15, he says. That is where good pasture will pay off for him. It will provide economical and good feed.

The quality of his sheep was recognized at the Fort Scott fair last fall. His entries took most of the honors in the Hampshire division. In the last few years, he reports, more interest is being shown in good sheep.

HELP WANTED

Call on Friends with Greeting Card Assortments, Easter, Birthday, other occasions. Personal Stationery, Gift Wrappings. Big Profits. Experience unnecessary. Samples on Approval. Wallace Brown, 225 Fifth Avenue, Dept. E-4, New York 10.

OF INTEREST TO WOMEN

Rayon material, 7 yds., \$3.50 including tax, cut from new army cargo clothes. Comes in triangle panels, 32-inch base, 11 feet long. No cross seams in panels. Blue, yellow, green, red. Fine for curtains, drapes, shirts, formal, scarfs, linings, sportswear. Free 100 ft. rayon line ½-inch width. Weaves into nice rugs, bath mats, many uses. Cash with order, we pay postage. C.O.D. plus postage. F. Burrell, 1002 W. 5th, Topeka, Kansas.

Famous Nylon Stockings, three pairs \$4.00 postpaid. Selected Imperfects. Moneyback guarantee. Dworkin Sales Company, 2423 Mermaid Avenue, Brooklyn, New York.

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

FEATHERS WANTED

Prompt Remittance for your shipments. Top market prices for new goose and duck body feathers. Highest prices for goose and duck quills (wing and tail). Send samples of used feathers for quotation. Ship today—Cash Tomorrow. Midwest Feather Co., 2300 S. Columet Ave., Chicago 16.

MISCELLANEOUS

Free Circular, buy while stock lasts. First come—first served. Single farm lines, \$3.50; double lines, 20' long, \$8.95; brand new army saddles \$19.95. Texas bridles, \$4.95; quilted saddle pads, \$1.75; driving harness, \$49.50; pony harness, \$35.00; pony saddles, \$29.50; fancy pony bridles, \$3.95; ladies' western saddles, \$59.50; medium weight man's western saddle, \$69.50; fancy western saddles, regular value \$125, now \$89.50; English show saddles, \$89.50; new army stable blankets, \$5.00. Everything sold on money-back guarantee, will ship C.O.D. Anybody can give you a low price. I give you a low price and top quality. Seeing is believing. Schafer, West Capone (#14), N. Y.

Build Your Own Rotary-Type Lawn Mower. Simple and interesting to build. End your Moving Worries now, when you use the Nu-Way Attachment. Write us for free circular. Tractor-Lite Mfg. Co., Spirit Lake, Iowa.

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.

Grow Plants Without Soil for fun or profit, indoors, outdoors; summer, winter. Free information. Chem-Gard, 311 West Mountain, Fayetteville, Arkansas.

Low Priced, Guaranteed, electric shaver. Also agents wanted. S. Kelley, 2302 Ontario St., Ft. Wayne 6, Ind.

FARMS—MISCELLANEOUS

Strout's Blue Farm Catalog, Missouri and Arkansas and 25 other states Coast-to-Coast. 1300 Bargains! Mailed Free. Strout Realty, 20 West 9th St., Kansas City 6, Missouri.

Investigate the Opportunities of Crowley County, Colorado! Choice farm lands available in this rich irrigated section. Pre-war prices and attractive terms. Nice homes, electricity, good roads, good schools. A-1 transportation facilities, ideal climate. Write for illustrated folder. Van Schaack Land Company, 724 17th Street, Denver, Colorado.

167-Acre Ozark Farm with valuable saw timber to cut, only \$2,750, including 3 milk cows, 2 heifers, 2 heifer calves, team mares, 2-year-old horse, colt, 6 brood sows, 3 hogs, 40 poultry, 5 ducks, some crops, farm tools and household goods; 1½ miles grade school, 2 miles highway, few minutes village, 20 minutes high school, easy hour college city; 100 tillable, 65 cultivated, 30 spring-watered pasture, lots timber, 56 fruit trees, 15 grape vines; 4-room log house needs repair, well and spring, fair barn, small poultry house, 3-room tenant house with outbuildings; taxes only \$18.33; should go to first looker at only \$2,750 complete, \$1,500 down, 30-day possession. Details big free Winter catalog 16 states. United Farm Agency, 428 BMA Bldg., Kansas City 8, Missouri.

FARMS—KANSAS

1280 Acres Wallace County, Kansas. Well improved stock-grain farm. 300 acres under cultivation. 1120 acres leased grass. Running water. Price \$32,000.00. Louis Miller, Frankfort, Indiana.

Jefferson County Quarter—Near Meriden, 55 acres meadow, 50 pasture, building plow land. Some improvements. Terms. Ida Attwood, 1716 Lane, Topeka, Kansas.

80 Acres—1 mile high school, valley land, alfalfa, ½ acre in cultivation, 5 rooms, barn 60x60, henhouses, well and windmill, butane and electricity, possession, \$90 per acre. T. B. Godsey, Emporia, Kansas.

For Sale By Owner 80-Acre improved farm 15 miles north of Topeka. Gravelled road and electric line. May Nixon, 1118 Topeka Blvd., Topeka, Kansas. Phone: 2-8675.

• REMEDIES AND TREATMENTS
Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Clinic, Suite C206, Kansas City, Mo.

MINNESOTA CERTIFIED SEED POTATOES**—FROM THE CENTER OF SEED POTATO PRODUCTION**

FREE—Write for complete list of certified seed producers

See Your Local Dealer

Take No Chances WITH YOUR NEXT Potato Crop!

Grow Minnesota Certified Seed Potatoes—which have also been grown from certified seed, with Proper Planting, Proper Cultivation, Careful Harvesting and Proper Grading — under exacting requirements and in co-operation with this department.

You take no chances with Certified Seed Potatoes grown in Minnesota, the center of seed potato production. They are vigorous, disease free, high grade and profitable. Try them this year!

State of Minnesota Department of Agriculture
Seed Potato Certification, Dept. H.
University Farm, St. Paul, Minn.

SEED**Certified Hybrids**

Finest Quality in Ten Years

Certified Varieties Uncertified

U. S. 13 OHIO C-92
K-1585 IOWA 306

PRICES

Large flat \$8.50 Med round \$6.50

Med. flat 8.50 Large round 5.50

Small flats \$6.50

We also sell wholesale

L. L. UTZ, HIGHLAND, KAN.

SEED**KANSAS GROWN FARM SEEDS**

F.O.B.
Salina, Kansas

Alfalfa Seed—Lot Star
Per Bu. \$27.60
Alfalfa Seed—Lot Crest
Per Bu. 23.70

SWEET CLOVER
Yellow Blossom, Per Bu. \$9.60
Mixed Clover, Per Bu. 9.20
Sudan Seed, Per Cwt. 10.00
German Millet, Per Cwt. 8.50
All State Tested. Order From This Advertisement.

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

CERTIFIED HYBRIDS

Plant with satisfaction, harvest with pride, K 2234 and K 2275, top white hybrids. U S 13, III. 200, K 1583 and K 1585, proven yellow hybrids.

Write for our special prices. A few dealers wanted.

Certified Blackhull Kafir and Atlas.

Oberle Farms, Carbondale, Kansas

CERTIFIED HYBRIDS**Plant Them for****Higher Yields**

K 1585, III. 200, K 2234 and K 2275. The new white with smaller cob, faster drying and easier husking. Write for descriptive folder and price or see my agent in your locality.

H. F. ROEPKE, Manhattan, Kan.

THE NEW JEWETT 421
and
Kansas Certified Hybrids
U. S. 13—K-1585—K-2234

Certified and ready for shipment. Our seed guaranteed to be as good as any you can buy. Special price on 5 bushel orders, freight prepaid. We can use a few more agents, write

SEWELL HYBRID CORN CO.
Sabetha, Kansas.

SEED CORN

Home Grown Certified Hybrids
HAROLD STAADT SEED FARM
Ottawa, Kansas.

Duroc and Spotted Poland Bred Sow Sale!

at Marysville Sale Barn

Marysville, Kan.

Tuesday, Feb. 11

at 1 P. M.



40 Duroc bred gilts, 30 Spotted Poland gilts, 2 Spotted Poland fall boars and 2 Spotted Poland fall gilts. These are strong herds. We have picked the top gilts and placed them in one sale offering. The Duroc gilts are bred and consigned by Albert F. Johannes, and are truly a great offering. These gilts are sired by such boars as Fancy Navigator the 3rd, Kansan, Bar Y Martin, All Cherry Ace and Peace Maker. Dams by Red Orion, Prairie King, Reconstruction 1st, Tops Model, Orion Compact and Orion the 1st. The gilts are bred to Breed Improver by Royal Improver, the second top pig in the John Simpson sale, Waldo Type and Fancy Navigator 3rd. a top pig last year of Nebraska sales.

The Spotted Polands are bred and consigned by D. F. Blanke. The gilts are good type, well grown and well conditioned and are a set of gilts that

will do good for their new owners. They are sired by Foundation Flash, Luck Ace by Silver Ace. Dams of the gilts are by Ambition by Rebo and Majors Pride by Top Major. They are bred to the Topic by Grandview Supreme Volunteer, he by Touch Down. The fall boars and gilts are by Namesake he by Keepsake, and out of Lady M. I. by Keepsake by Step Ahead.

This offering is cholera immune.

We are not consigning any gilts to any of the district sales this spring.

**ALBERT F. JOHANNES, Durocs
Marysville, Kan.**

Bert Powell, Auctioneer.

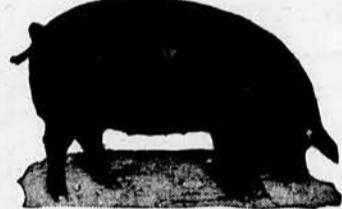
**D. F. BLANKE, Spotted Polands
Bremen, Kan.**

Mike Wilson for Kansas Farmer.

Kansas Duroc Breeders Show and Sale

4-H Livestock Building, Free Fair Grounds

Topeka, Kan., Feb. 8



46 Bred Gilts—9 Fall Boars

A "Cream of the Crop" Sale, Consigned by Following Breeders in Kansas

Show

10 A. M.

Auction

Sale 1 P. M.

Vern V. Albrecht, Smith Center
Frank Alexander, Corning
Bar Y Ranch, Baxter Springs
Lynn Blazek, Osage City
W. Fred Bolt, Isabel
Wesley Braden, Wakefield
Robert Clarke, Meriden
Cloverdale Farms, Concordia
Roy Freer, Winchester
G. F. Germann & Son, Manhattan
Harry Givens, Manhattan
Heidebrecht Bros., Inman
W. H. Hibert, Corning
Willis Huston, Americus
Sidney C. Johnson, Jamestown

Dale Jones, Topeka
Allen Kettler, Paola
Clarence Miller, Alma
Miller Farms, Meriden
Galen Murphy, Maple Hill
Arthur E. Roepke, Waterville
Ralph Schulte, Little River
G. M. Shepherd, Lyons
E. C. Simonton, Topeka
Charles Stuckman, Kirwin
Howard C. Tallaferro, Leon
O. A. Tennant, Manhattan
Charles Thomas, Silver Lake
Jacob Widmer, Everest
L. G. Wreath, Manhattan

For Catalog Write John O. Miller, Chamber of Commerce, Topeka, Kansas.
Auctioneer—Col. Bert Powell, Topeka. Judge—Prof. Carl Elling, Kansas State College.
Fieldmen—B. R. Evans and Don Peach, Duroc News, Peoria, Ill.
Mike Wilson, Kansas Farmer, Topeka.

SPECIAL Kansas Duroc Breeders Banquet and Meeting 6:30 P. M., Friday, February 7, Jayhawk Hotel. A registered Fall Gilt donated by Vern V. Albrecht will be sold at auction, proceeds given towards construction of State 4-H Club Camp.

KANSAS HEREFORD HOG BREEDERS FIRST ANNUAL SALE

Sale Pavilion

Junction City, Kansas Friday, February 21

70 HEAD

40 Bred Gilts—20 Open Gilts
6 Outstanding Boars



Thirteen Members of Our Association Are Selling Herd Tops in This Sale.
The Kansas Hereford Hog Association has 22 members. The National Grand Champion, Prize Goods, and the National Grand Champion, Fashion Model are owned by Kansas breeders. Their bloodlines are prominent in our herds.

Keep this in mind for this sale or for future private buying. We can ship to any part of Kansas or the United States.

For Catalog Address Milt Haag, Mgr., Holton, Kan.
Auctioneer—Roy Schultis.

Jesse R. Johnson with Kansas Farmer.

Public Sales of Livestock

Aberdeen-Angus Cattle

February 1—Ralph L. Smith Farms, Lees Summit, Mo.
March 7-8—Heart of America Breeders' Sale, Kansas City, Mo. L. M. Thornton, Secretary, 2825 E. 18th St., Kansas City, Mo.
March 10—Sunnyland Farms, Avilla, Mo.
March 15—Reed Stock Farm, Wichita, Kan.
April 14—Johnston Brothers, Belton, Mo.
April 15—Penney & James, Hamilton, Mo.
April 19—Mid-Kansas Aberdeen-Angus Breeders' Association, Fairgrounds, Hutchinson, Kan. Locke Hershberger, Manager, Little River, Kan.

March 18-19-20—National sale and show, Union Stock Yards, Chicago, Ill. Frank Richards, American Aberdeen-Angus Breeders' Association, 7 Dexter Park Ave., Union Stock Yards, Secretary, Chicago 9, Ill.

April 21—W. C. Jackson, Phillipsburg, Kan.

Guernsey Cattle

February 26—Barbodic Guernsey Farm, Hardy, Nebr.

Hereford Cattle

February 1—Reno County Hereford Breeders' Association, Fairgrounds, Hutchinson, Kan. Don Shaffer, Manager.

February 1—Glen I. Gibbs, Manchester, Kan. Sale at Day Center, Kan.

February 3—Shawhan & Myrick, Lonejack, Mo.

February 3—Waite Bros., Winfield, Kan.

February 10—Kansas-Oklahoma Hereford Breeders' Association, Blackwell, Okla.

February 18—Sutor Hereford Farms, Zurich, Kan.

February 26—Lincoln County Hereford Breeders' Association, Medicine Lodge, Kan.

March 11—Jones Hereford Farm, Detroit, Kan. Sale at Abilene, Kan.

March 25—Jansons Bros., Prairie View, Kan. Sale at Phillipsburg, Kan.

April 18—Western Republican Valley Breeders' Association, Benkelman, Nebr. Leo Barnell, Secretary, Benkelman, Nebr.

May 6—Sunset Farms, Garden Plain and Wichita, Kan.

Holstein Cattle

February 5—Hugh White, Overland Park, Kan.

Shorthorn Cattle

February 22—Andrews, Crews and Keuner, Cambridge, Nebr. Thomas Andrews, Sales Manager, Cambridge, Nebr.

Milking Shorthorn Cattle

April 2—Iowa-Nebraska Breeders Consignment sale, Council Bluffs, Iowa. H. C. McKelvie, Sale Manager.

Polled Shorthorn Cattle

February 21—Hultine-Bomstrom, Lincoln, Nebr.

February 22—Andrews, Crews and Keuner, Cambridge, Nebr. Thomas Andrews, Sales Manager, Cambridge, Nebr.

Berkshire Hogs

February 14—Missouri Breeders' Sale, St. Joseph, Mo. Sales Manager, Donald J. Bowman, Hamilton, Mo.

Duroc Hogs

February 1—Alexander Stock Farm, Corning, Kan. (Night Sale.)

February 1—Clarence Miller, Alma, Kan.

February 3—Earl Martin & Son, DeKalb, Mo. Sale at South St. Joseph, Mo.

February 6—Willis Huston, Americus, Kan.

February 8—Kansas Breeders' Association, Fairgrounds, Topeka, Kan. John O. Miller, Sales Manager, Care of Chamber of Commerce, Topeka, Kan.

February 10—Popham, Elberger, Dieter consignment sale, St. Joseph, Mo. Manager, Karl J. Dieter, Maysville, Mo.

February 11—Albert F. Johannes, Marysville, Kan.

February 15—North Central Kansas Duroc Sale, Belleville, Kan. Dr. George Wreath, Secretary, Belleville, Kan.

February 19—Leonard C. Stoehrs, Plattsburgh, N.Y.

February 22—Clarence Miller, Alma, Kan.

March 3—Vern Albrecht, Smith Center, Kan.

Hampshire Hogs

February 5—O'Bryan Ranch, Hiattville, Kan.

February 28—R. E. Bergsten & Sons, Randolph, Kan.

March 1—Kansas Hampshire Hog Breeders' Sale, Seneca, Kan. Lawrence Alwin, Sales Manager.

April 19—O'Bryan Ranch, Hiattville, Kan.

Hereford Hogs

February 20—Missouri Breeders' Association, Chillicothe, Mo. Secretary, Harold E. Miller, Savannah, Mo.

February 21—Kansas Hereford Hog Breeders' Association, Junction City, Kan. Milt Haag, Secretary, Holton, Kan.

February 22—Osborne County Hereford Hog Association, Osborne, Kan. Charles Booz, Secretary, Portis, Kan.

Poland China Hogs

February 13—Bauer Brothers, Gladstone, Nebr.

February 19—Kansas Poland China Breeders' Association, Hutchinson, Kan. Ray Sayler, Secretary, Manhattan, Kan.

April 16—J. J. Hartman & Son, Elmo, Kan.

Spotted Poland China Hogs

February 5—H. E. Holliday & Son, Richland, Kan., and Roy Keller, Berryton, Kan. Sale at Fairgrounds, Topeka, Kan.

February 11—D. F. Blanke, Bremen, Kan. Selling with Albert F. Johannes at Marysville, Kan.

HOGS

REG. HAMPSHIRE HOGS

Now offering choice September boar pigs. Various bloodlines. Immune. Annual bred gilt sale February 28, featuring the get of "Five-Eyes."

R. E. BERGSTEN & SONS
RANDOLPH, KANSAS

FLINT HILLS REG. DUROCS

Bred for greater vitality, more bone and better suited to the farmers needs. Fall boars and gilts, few spring boars, bred open gilts and bred sows.

Howard C. Tallaferro, Leon, (Butler Co.), Kan.

O'Hara's Bred Gilt Sale

Mankato, Kansas

1 P. M., February 22

60 Head to Farrow in March and April. 25 Purebred Poland China Gilts sired by Good Measure, top selling boar at Wissells 1945 fall sale, he by Full Measure, 25 Spotted Poland Gilts not registered. 10 Duroc Gilts not registered. These are choice individuals and should produce wonderful market pigs. All gilts are bred to purebred Poland China boars. Including OH Supreme by Champion Supreme. On The Beam by Mokan, by the great Midway, Midwest Champion Gilts will weigh up to 400 pounds and have been fed to insure future usefulness as brood sows. All are double immune.

RAYMOND O'HARA, MANKATO, KAN.

Add Years To Your Silo With

SILO SEAL

Merit

The acids in silage, over a period of years, cause the lining of silos, regardless of construction material, to disintegrate. Immature feeds and excessive moisture silage, being extremely high in acidity, are especially injurious to silo linings.

Apply Silo Seal on your interior walls now, as you feed out silage. This will eliminate scaffolding.

Silo Seal has been successfully used for eighteen years by Kansas Farmers and Dairymen. Write today for literature. Immediate delivery.

MANUFACTURED BY
McPherson Concrete Products Co.
McPherson, Kansas

KILL GRUBS LICE, TICKS, MITES, Etc.

DO IT AUTOMATICALLY WITH A FARNAM CURRI-OILER AND ROTEN-OIL

Powerful, new war-tested insecticidal oil effectively kills cattle grubs; knocks lice, ticks, mites, flies and other stock-pests with amazing new, paralytic action. Roten-Oil, applied automatically and curried-in automatically with a Farnam CURRI-OILER, provides practical "automatic stock-pest control". Cattle treat themselves whenever and as often as needed . . . keep themselves sleek, clean and comfortable . . . gain weight fast, milk better and sell higher.

TRY THIS COMBINATION
AT OUR RISK!
Write for FREE MANUAL explaining the Farnam method of "automatic stock-pest Control" and our 10-DAY FREE TRIAL OFFER. Plan now to pest-protect your livestock and boost your profits. Write

FARNAM CO. Dept. 829, 206 So. 19th St.
OMAHA 2, NEBRASKA

Radcliff White Top SILO
The old reliable Silo Company. Place your order now for early 1947 erection.
Built to last a lifetime of certified concrete, double power-tamped, thoroughly cured. Corrugated stave holds heavier inside plaster. Write for FREE folder giving additional information.

IMMEDIATE DELIVERY FROM
RADCLIFF STAVE SILO CO.

Successor to Interlocking Stave Silo Co.
N. Topeka, Kan., Box 88. — Bonneville, Mo.

MEN! A CHANCE TO BUY AT WHOLESALE! COVERALLS

Save Middleman's Profit! Amazing Bargain of Sturdy Sunfizered Fabric. In Blue, Tan, Forest Green or White
\$6.50 Price per Doz.
\$7.80

Forget retail prices. Buy wholesale and save. One of our best values. Full cut, no skimping to save cloth... Strongly made... Double stitching on main seams; bartacked reinforcements. Extra smart all around lined belt. Four large pockets. Convertible collar. Invisible rust resistant buttons. Sizes 32 to 46. Order by size, give second color choice.

SPECIAL OFFER SAVES YOU MONEY!
Send check or money order. Same day shipment. Satisfaction guaranteed.

SPECIAL DISCOUNTS FOR QUANTITIES. WRITE

GREEN MERCANTILE CO.

Wholesalers of General Merchandise
1619 WASHINGTON Dept. 411 ST. LOUIS, MO.

O'BRYAN RANCH HAMPSHIRE
Registered Hampshire boars for sale. Weight 150 to 275 pounds. Price \$65 to \$150. The real packer type.

Bred Gilt Sale Wednesday, February 5.

ETHYLEDALE FARM PRODUCTION HAMPSHIRE

In Service SPOTLIGHT SUPREME and OUR WIZARD Breeding stock for sale at all times. Dale Scheel, Emporia, Kan.

HOGS

**YOUR
OPPORTUNITY!
TO BUY
BERKSHIRES**



Attend the Missouri State Berkshire Breeders Bred Gilt Show and Sale.

**ST. JOSEPH, MISSOURI
FRIDAY, FEBRUARY 14**

Sale and show held in the Chamber of Commerce Purebred Livestock Pavilion just back of the Transit house. Show 10 A. M. Sale 1 P. M.

40 HEAD: 35 Good Bred Gilts—3 Top Fall Boars—2 Top Fall Gilts. The offering is sired by and bred to the kind of boars that have been influential in improving Missouri herds. Consignors are Oral Robison, Lathrop; Newman Cox, Glasgow; Little File, Atlanta; T. A. Rowe, Paris; Eugene Larmer & Sons, Albany; Ernest Cappa & Son, Liberty. For sale catalog write to Donald J. Bowman, Sales Manager, Hamilton, Missouri.

Sale sponsored by
**MISSOURI BERKSHIRE BREEDERS
ASSOCIATION**
Auctioneer—Bert Powell,
Donald Bowman with Kansas Farmer.

**Last Call Huston's
Duroc Bred Sow Sale**

Heated Pavilion on the Farm

Thursday, Feb. 6

A great offering featuring the blood of many of the best sires of the breed (selected for this occasion). Catalog for you sale day.

**WILLIS HUSTON
Americus, Kansas**

**CLARENCE MILLER'S
2ND FEBRUARY DUROC
BRED GILT SALE**

At Farm 11 Miles Southwest of

Alma, Kansas

Saturday, February 22

Selling 40 Bred Gilts: Bred for March and April farrow. Sired by Golden Fancy, Breeders Ideal, Invincible Type. They are bred to Knockout, Super Sensation and Fancy Thickset. We sell the type that has been so well accepted by breeder and farmer. The kind that has made satisfied customers over a long period of time. A Bang's tested, cholera immunized sales offering. For Catalog Write to

CLARENCE MILLER, Alma, Kan.

Auctioneer: Mike Wilson, Muscotah, Kansas.

**PUBLIC SALE OF
40 DUROC BRED GILTS**

St. Joseph, Mo., Monday, Feb. 10

Starting at 1 p. m. we will sell in St. Joseph, two blocks east of the Exchange Building, back of Transit House at the purebred livestock sales pavilion—an offering of Gilts good enough for the best commercial herds and a few will do for breeder herds. They carry the bloodlines of such boars as Double Cherry King, Hyland Lucky, Proud Royal Fancy, Proud Crusader, Wonder Boy, Type Setter, The Modeler and other prominent boars. They are bred to some of the better boars of the breed. This offering is all cholera immunized. Terms—Cash.

Write Any One of Us for Catalog
POPHAM BROS., Chillicothe, Mo.
C. F. EIBERGER, Clarksville, Mo.
KARL J. DIETER, Maysville, Mo.

Auctioneers—Bert Powell and A. Schwalm. Donald Bowman, Representing Kansas Farmer.

**We Are Consigning to
Kansas Duroc Breeders
SALE**

Topeka, Kansas, Feb. 8

2 Gilts, sired by Seco Lo Down and Proud King Orion both bred to Orion Tops, a grandson of the \$3,000.00 boar (Tops). They were bred November 6 and 10. One fall boar sired by Orion Tops.

ALLEN KETTLER, PAOLA, KAN.

DUROC BRED GILTS

We have a few top bred-gilts left. Bred to Artese Market Sensation, top boar of the Artese fall Gilts of top bloodline. Priced reasonable.

HERMAN POPP, HAVEN, KANSAS

**Come to Plattsmouth, Nebraska,
For Good Duroc Bred Gilts**

The Date Is Wednesday, Feb. 19

A Catalog Offering of 50 Head: These good gilts will be bred to Cornbelt Tops, the 1st junior pig at Iowa, 1944, and to Cornbelt King the good boar I purchased from Simpson Brothers, Edgerton, Mo. These gilts are sired by Modern Type the 1945 Nebraska Grand Champion, Victory Orion the Iowa Grand Champion, Proud Crusader and other leading bloodlines. We would like to send you our sale catalog. Write to

Leonard C. Stoehrs, Plattsmouth, Nebraska

HOGS

**GIDEON'S REG.
HEREFORD HOGS**

See Our Top Quality
Bred Gilts in the
ASSOCIATION SALE

**Junction City, Kansas
Friday, February 21**

We also have a fine selection of bred sows and gilts on our farm for sale. Vaccinated and Bang's tested. Best of quality and breeding. Will ship on approval.

**GARLAND R. GIDEON
Paxico, (Wabaunsee County), Kan.**

Hereford Hog Sale

Sale Is 75 Miles East of St. Joseph, Mo., in the New Sales Pavilion in South Chillicothe, Mo.

Thursday, February 20

50 Head of Choice Bred Gilts

The Sales Offering: These gilts are the best of the leading herds in Missouri. The 1st prize and Junior Champion sow of 1946 Missouri State Fair sells. Gilts sired and bred to good type boars of the breed's best bloodlines. Health—A cholera immune. Bang's tested sales offering. For Sale Catalog Write to Harold E. Miller, Secretary, Savannah, Missouri. Show at 10 A. M. Sale 1 P. M.

This Sale Sponsored by
**MISSOURI STATE HEREFORD HOG
BREEDERS' ASSOCIATION.**
Donald Bowman with Kansas Farmer.

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.**

**LAST CALL —
SPOTTED POLAND SALE**

Fairgrounds

Topeka, Kansas

1 P. M., February 5

Selling 45 Head—Bred Gilts, Fall Boars, Fall Gilts. Correct type, best of breeding.

**H. E. Holliday & Son, Sunnybrook
Farm, Richland, Kansas and
Roy G. Keller, Berryton, Kansas.**

Auctioneer—Bert Powell.

Mike Wilson with Kansas Farmer.

**KONKEL OFFERS
SPOTTED POLANDS**

Bred sows and gilts sired by the 1945 Grand Champion boar, and bred to Buster Brown. Also fall pigs. The low set, wide kind by above sire. Buster Brown does it.

DALE KONKEL, HAVILAND, KANSAS.

SPOTTED POLAND CHINA GILTS

Bred for March and April farrow to Choate Pride by Plus Quality and out of dam by Blocky Type.

Also summer and fall boars.

HENRY G. BLETSCHER, BALA, KANSAS

FIESERS' OFFER SPOTTED POLANDS

Extra good fall pigs sired by True Model, 1946 Grand Champion. Also some by his son for better quality at less money. Order now. Registered and immunized. Earl & Everett Fieser, Norwich, Kan.

BRED GILTS. Thick deep-bodied type from Champion breeding. We are also consigning Miss Supremacy 3rd, daughter of Miss Supremacy 1945 Kansas Grand Champion Sow to Kansas Poland China Breeders' Association sale February 19, 1947. Malone Brothers, Raymond, Kansas.

**ATTEND THE
Kansas Poland
China Breeders
Sale**

In the Heated Pavilion at The
Kansas State Fairgrounds,
1 P. M.

**Wednesday, February 19
Hutchinson, Kansas**

**SELLING 42 REGISTERED
POLAND CHINA GILTS**

For a Sale Catalog Write to
RAY SAYLER, MANHATTAN, KANSAS

Auctioneer—Mike Wilson, Muscotah, Kan.



Bauer Bros. Poland China Bred Sow Sale



THURSDAY, FEB. 13

1 P. M. at Fairgrounds

FAIRBURY, NEBR.

Midwest, "The Breed's Greatest Herd Boar."

50 Head of Spring Gilts bred for March and April farrow. A strictly desirable offering, including Midwest Queen 2nd, Senior and Grand Champion sow Nebraska State Fair, 1946, sired by Midwest, "The Breeds Greatest Herd Boar." Atomic Bomb, first prize Jr. yearling boar Nebraska State Fair, 1946; and Standard, the Sire of Quality.

Bred to Midwest, sire of many prize winners at leading state fairs; Great Western, an outstanding grandson of Midwest and a proven sire of note; National, top son of Nation Wide and a great individual and Convincer, an extra thick bodied, well made grandson of All Dimensions.

10 Head of Fall Boars (1946 farrow) also sell. Sired by Midwest, Great Western, Atomic Bomb and Standard. These are outstanding, the tops of the crop. A sale of Nebraska's top prize winning herd. Plan now to attend.

For Catalog Write

BAUER BROS., GLADSTONE, NEBRASKA

Auctioneer—Col. Harve Duncan.

Jesse Johnson, Fieldman for Kansas Farmer.

NORTH CENTRAL KANSAS DUROC CONSIGNMENT SHOW AND SALE

At Belleville Fairgrounds. Show at 9:30 A. M. Sale at 12:30 P. M.

Belleville, Kan., Saturday, February 15

60 Head—40 Bred Gilts. 10 Fall Boars. 10 Fall Gilts

25 of the Gilts will farrow the first 2 weeks in March and will make ideal 4-H projects. The rest are due either the last of February or in April.

You Will Be Surprised at the Quality of This Offering.

Consignors:

Vern V. Albrecht, Smith Center

Edward F. Blecka, Munden

William Bohlen, Downs

Cloverdale Farm, Concordia

Raymond Duey, Deshler, Nebr.

Ben A. Flett, Delphos

Robert Hobes, Beloit

W. M. Folkner, Concordia

Vern Hardenburger, Narka

Heidebrecht Brothers, Inman

William E. Hodges, Jr., Belleville

Catalogs Sent on Request. Write to

DR. GEORGE WREATH, BELLEVILLE, KANSAS

Auctioneers—Gus Heidebrecht and Mike Wilson.

Jesse R. Johnson with Kansas Farmer.

Osborne County Breeders' Association Champion Bred Gilt Sale

**Sell 60 Registered Hereford Gilts—5 Fall Boars
Osborne, Kansas, Saturday, February 22, 1947**

Held at Osborne Safe Pavilion on U. S. Highway 281 and 24. We Meet the Rocket Smith Center, Kansas, if Notified.

Arrives 3:05 a. m. Leaves East 7:50 p. m.

These Gilts Are of Champion Bloodlines.

We own the Grand Champion boar, Prize Good and Reserve Grand Champion boar. Fashion Model at the National Swine Show, Springfield, Ill., this fall. We were at the top of big shows this fall. There will be champion gilts mated to these great boars. If you are interested in good Herefords we will have them—nothing goes in this sale but choice gilts. Try and attend this sale; if you can't send a bid to any of the fieldmen, it will be given careful attention.

Write for Catalog. **CHAS. BOOZ, Secretary, Portis, Kansas.**

Auctioneer—Roy Schultis, Fairbury, Nebraska.

Fieldmen: Waldo Clark, Hereford Swine Journal; Dwaine Clark, National Purebred Livestock Exchange; Wally Gladish, Kansas City Drovers Telegram; Jesse R. Johnson, Kansas Farmer.

Bergstens' Hampshire Bred Gilt Sale!

At Farm, 1 P. M.

RANDOLPH, KANSAS, FEBRUARY 28

50 Head Bred Gilts, 6 Fall Boars and 6 Fall Gilts

Gilts Are Well Developed and Conditioned, of Good Type With Extra Substance and Smoothness.

Features are the gilts sired by 5 Stars, one of the top sires of the breed.

These 5-Star gilts are very thick, yet smooth, well balanced and stylish. Other gilts by Our Model, Royal Rocket Boat, Glory Bound, Salute, Bright Boy and Steam Glory.

Most of the gilts are bred for March litters, a few later to three outstanding spring boars. All Star R. B., Notoriety R. B., and Sufficiency. Visit us sale day. Write for Catalog to

R. E. BERGSTEN & SONS, RANDOLPH, KANSAS.

Auctioneer—Bert Powell.

SHEPHERD'S SUPERIOR DUROCS

For Sale. A great lot of thick, deep, heavy hammed quality gilts. Well grown, sired by

Uneeda Broadway, Builder's Victory Ace, Proud

Cherry Orion. Bred to Super Spot Light, one of

best selling in Maah's recent record sale and to

Lo Thickmaster, the \$492.50 top selling boar in

Colo. Breeders' sale, we believe the thickest type

dark red boar sold in 1946. New blood of the

breed's best for old customers.

Still have limited number high class spring

boars and fall pigs for sale.

G. M. SHEPHERD, LYONS, KANSAS.

DUROC BOARS ALL AGES

By Red Star and Fancy Cardinal. Choice gilts

sired to Top Crown by Crown Prince, Illinois

Champion boar. Fall pigs by Top Crown and

Orion Reconstruction.

B. M. HOOK & SON, SILVER LAKE, KAN.

WITMUM'S CORRECT TYPE POLANDS

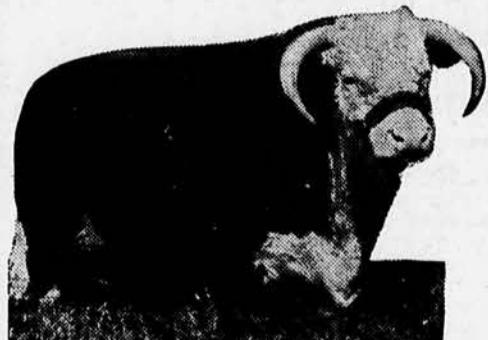
Selected, short legged, thick fleshed fall pigs.

Also a few bred gilts.

F. W. WITMUM & SON, CALDWELL, KANSAS

LIBRARY
FEB 3 1947
MANHATTAN

Lincoln County Hereford Breeders' Association Sale



Feb. 19

**Sylvan
Grove,
Kansas**

40 HEAD 20 BULLS -- 20 FEMALES 40 HEAD

Herd bull prospects and farm and range bulls. The females are of herd-building and foundation material. The tabulations of many of the cattle are very strongly of Real Prince Domino 24th and 33rd. Prince Domino Premier and many other outstanding breeding bulls. The cow herds of Lincoln county are very strongly of Hazlett breeding. The bulls range in ages from calves to yearlings. The females from calves to mature cows. This offering represents the best of breeding and are good individuals selected from the leading herds of Lincoln county. Do not fail to attend this sale, if you are looking for quality Hereford cattle.

Sale Committee:

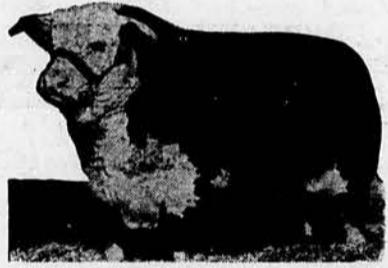
O. M. Wright, Chairman, Vesper. H. H. Blair, Barnard, Ed Larson, Vesper.

For Catalog Write Ed Larson, Sec., Vesper, Kansas

Also Attend the Sutor Hereford Sale of Zurich, February 18, and the Hodgeman Company Breeders Sale, Dodge City, February 20.

Jesse R. Johnson with the Kansas Farmer.

Production Sale of Registered Herefords



55 Head Sell on Feb. 18

Sired by Beau Anxiety 1st, Real Prince D 247 and Domestic Anxiety 3rd. We sell 18 coming 2-year-old bulls. 17 bull calves. 20 bred and open heifers. These bulls and females are the practical kind. The best in bloodlines and sold in just good breeding condition. For more information write for a sale catalog to

Sutor Hereford Farms, Zurich, Kansas

Auctioneer—Freddie Chandler.

Fifth Annual National ABERDEEN-ANGUS SHOW AND SALE AT UNION STOCK YARDS Chicago, Illinois February 18, 19, 20

The Top Production of North America's Leading Aberdeen-Angus Herds Will Be Represented in the 1947 National Show and Sale.

50 Herd Bulls . . . Quality herd bull prospects of the best type and richest bloodlines to suit the most discriminating buyer. Included are many show ring champions. This great selection of vigorous bulls comes to the National Sale from the state fairs and national shows.

175 Foundation Females . . . Many are champions from the state fairs and national shows. These carefully selected young females have their producing life ahead of them and have been picked especially for the National Sale.

Freight Prepaid . . . The Association will reimburse any purchaser, or group of purchasers, that buys and ships a carload of ten lots or more from this sale to one destination, up to a maximum of \$200 for freight charges exclusive of cost of feed or incidentals. Shipment may be made only by rail and must be consigned to a point more than 200 miles from Chicago. Contact breeders in your locality in an effort to consolidate such a shipment.

Write Today for Catalog. Address FRANK RICHARDS, Secretary.

AMERICAN ABERDEEN-ANGUS BREEDERS' ASSOCIATION
7 Dexter Park Avenue, Union Stock Yards, Chicago 9, Illinois.

H. T. HINEMAN, one of the best known jack and mule breeders in America, passed away recently at his home in Dighton. Mr. Hineman held the record of having made the highest priced jack auction ever to be made in the United States. He developed and exhibited the national grand champion jack, Kansas Chief. Jacks and jennets bred on the Hineman's Western Kansas ranch have been sold to many parts of this and other countries, including the Republic of South Africa. Hineman & Sons were exhibitors at all leading state and national fairs and shows. The ranch was famous for its big, well-matched mule teams, so frequently shown at Kansas fairs. Mr. Hineman was a heavy landowner. For some time after tractors were introduced in Kansas he continued to farm with horses and mules. He also bred registered Percheron and Morgan horses. The noted government stallion "Headlight" was at one time used on the ranch.

P. G. HIEBERT, of Hillsboro, holds high rank among the successful Holstein breeders of the state. The herd was established 21 years ago with 2 heifers and a bull. The herd now is classified and continuous butterfat records are being made. High averages and careful culling together with the best herd bull selection have brought the herd up to its high standard of perfection.

J. B. PRITCHARD, Hereford breeder, writes as follows: "Find check for advertising in two issues of Kansas Farmer. The advertisement sold all of my heifers and part of the bulls."

• AUCTIONEERS •



Buyers Pay the Auctioneer

If he is capable, understands his audience and knows values. His fee is reflected in increased profit to the seller.

HAROLD TONN
Haven (Reno Co.), Kan.

BERT POWELL

AUCTIONEER
LIVESTOCK AND REAL ESTATE
1529 Plass 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

Dual-Purpose CATTLE

REGISTERED MILKING SHORTHORNS

Cow and serviceable age bulls. Cow sired by Grand Champion bull, Brookside Mayperston. Farm two miles east of Sterling.

J. W. McFARLAND
STERLING, KANSAS

Dairy CATTLE



REGISTERED JERSEY REDUCTION SALE

We are changing locations and find it necessary to reduce size of our high class, high producing herd. We, therefore, offer—10 Head consisting of the 3-year-old, (3 Star), bull, Trivet Royal Double Design.

4 Mature Cows, fresh or soon to freshen to the service of above bull. 2 Heifers bred to same bull.

2 Heifers, 1 Yearling and 1 three months old. Herd on D.H.I.A. and H.I.R. test. Calfhood vaccinated. Bang's and Tb. free.

EDWIN M. LIVINGSTON
Junction City, Kansas.

REED OFFERS HOLSTEIN BULLS

Breeding For High Test. Three 4% sires in service. Dictator and Montic breeding. A 1946 herd average of 500 pounds of fat on twice a day milking. Herd classified for type six times. Bull calves up to 7 months of age out of high record classified dams for sale. Prices are reasonable. Full particulars on request.

ERNEST A. REED & SONS, Lyons, Kan.

Smoky Valley Holsteins

Carnation Countryman in Service. Bull calves for sale.

W. G. BIRCHER & SONS
ELLSWORTH, KANSAS

AYRSHIRE DAIRY CATTLE

PERFECT UDDERS—IDEAL TYPE—BEST OF GRAZERS. Write for literature or names of breeders with heavy-producing 4% milk stock for sale.

AYRSHIRE BREEDERS' ASSN.
260 Center Street, Brandon, Vermont.

February 15
Will Be Our Next Issue

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

Saturday, February 8

Kansas Farmer for February 1, 1947

Dairy CATTLE



Dispersal Guernsey Cattle Sale

Hardy, Nebraska

Just Over the Line From Kansas.

Wednesday, February 26

40 HEAD, registered and high grade Guernseys. This herd has been on D.H.I.A. test for several years. Some cows with over 400 lbs. butterfat. Several pure bred and grade heifers suitable for 4-H work.

Everything Tb. and Bang's tested.

BARBODIC FARM

Edw. M. Leigh. Hardy, Nebraska

CEDAR DRIVE GUERNSEY FARM

Why Not, buy your next herd sire from a cow that is getting the job done. 1946 herd average 455 lbs. fat. Individual cows up to 500 lbs. as junior 2 year olds, 305 day test, 2-time milking, with ordinary farm care. Langwater King of the Meads and Bourne Dale Hex breeding.

CEDAR DRIVE FARM
1224 N. West St., Wichita, Kansas.

Offering Grade Guernseys

Cows and heifers. Tb. and Bang's free, to outstanding registered sires to calve in the spring. Ransom Farm, Homewood (Franklin Co.), Kan.

NET MORE DOLLARS PER COW

Holsteins being of large capacity, use home-grown feed to better advantage than smaller breeds. They produce more milk and keep it up longer.

Many of them at 12 years of age still have been grand champions at leading dairy shows. And when through producing, they bring more for beef because of their large size.

HOLSTEIN-FRIESIAN ASS'N •
OF AMERICA • Brattleboro, Vermont • Box 1038

Fall Sales Are Now Over

PHILLIPS OFFER SERVICEABLE AGE

Holstein bulls sired by Great Murray Prince, whose dam has a record of 19,841 lbs. milk and 682.5 fat made as a five year old. Also younger bulls sired by Carnation Mad Cap Marshall, a son of Gov. of Carnation and out of Billy daughters with records up to 625.5 fat.

K. W. PHILLIPS & SONS
MANHATTAN, 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.

Beef CATTLE

ABERDEEN-ANGUS BULLS

We now have for sale a group of good young bulls. Sons of Applewood Bandolier 100th. We believe this is one of the best group of calves we have ever bred. They are half-brothers to the top selling bulls in the last two Kansas State Sales. For information write

HAROLD GIESS, ARNOLD, KAN.

Registered

Aberdeen-Angus Cattle



For Sale. Choice Breeding.
L. E. LAFLIN
Crab Orchard, Nebr.

FICKEN ABERDEEN-ANGUS

Yearling bulls sired by Bell Boy H. P. by Bell Boy A. and Applewood Bandolier 114th, son of Applewood Bandolier 3rd. Write

HOWARD L. FICKEN, BISON, KANSAS

Hultine-Bloomstrom Fourth Annual REGISTERED POLLED SHORTHORN AUCTION

Lincoln, Nebr., Friday, February 21

Nebraska State Fairgrounds 12:30 P. M.

Selling 23 Top Bulls—37 Choice Females

A splendid set of good colored yearling bulls and a specially selected group of bred and open heifers and cows with calves at foot, featuring popular bloodlines. What these cattle are doing for others is a measure of what you may expect them to do for you. It's their performance that you are interested in. In Breeder Farmer and Commercial herds they will do a great job.

The sale date is almost here . . . buy in this sale from two of America's best known herds. For Catalog Write

MERVIN F. AEGERTER, Sales Manager Seward, Nebraska.

Beef CATTLE

Offering Several Registered Polled Hereford Bulls

Sired by Pawnee Domino 8th, 10- to 14-months-old. A set of good type, low down deep bodied bulls with plenty of bone. Several herd bull prospects among them. See these bulls while you can still get your choice. Visitors welcome. Farm 1½ miles south and 1½ miles east of Belmont.

WALBERT J. RAVENSTEIN
Belmont, Kansas.

Build Up Your Herd With Better Bulls

See Our Offering at The Kansas State Hereford Association Sale at Hutchinson on February 14, 1947. Some kind of bulls that won 3 firsts and 1 second last year at State Sale in Hutchinson. We also had the Grand Champion and Reserve Champion Bull at the Northwest Kansas Hereford Association sale at Atwood, April, 1946.

H. G. REUBER, ATWOOD, KAN.

KANSAS-OKLAHOMA HEREFORD BREEDERS' ASSOCIATION SALE

Just Over the Line From Kansas.
Blackwell, Oklahoma

Monday, February 10

42 Bulls 31 Cows

A large majority of these of serviceable age. These Top Herefords are from the herds of 22 different breeders in Northern Oklahoma and Southern Kansas. There will be bloodlines in this offering of your interest.

Write for Catalogue
Box 230, Blackwell, Oklahoma.

To the Kansas-Okahoma Hereford Breeders Sale

We are consigning the following to this auction: 2 Bulls—April 25, 1946, bull by Beauty Mischief 6th; February 16, 1945, bull by Yankee Doodle; 2 Females—June 1, 1945, bred heifer by Yankee Doodle carrying the services of our new herd sire Brilliant Onward by W.H.R. Brilliant, Aster 1st, an October, 1945, heifer by Yankee Doodle and out of a W.H.R. Contender dam.*

RAY RUSK & SON
WELLINGTON, KANSAS

KANSAS STATE HEREFORD SALE

Fairgrounds

HUTCHINSON, KANSAS, FEBRUARY 14

45 Bulls. 44 Females

An Outstanding Group of Bulls 2 Years Old or Older. Also Some Top Herd Bull Prospects Among the Calves. Many Females of Foundation Herd Material.

Consignors:

Phil H. Adrian, Moundridge
William Belden, Horton
Frank Blew, Castleton
Edwin Brown, Fall River
Thomas Brown, Fall River
W. J. Brown, Fall River
Cornwell Hereford Farm, St. John
Kansas State College, Manhattan
Norman W. Collins, Jr., Hutchinson
George Conrady, Kingman
Paul Conrady, Kingman
Charles J. Davis, Derby
Francis Dodge, Penasco
Jos. M. Dordland, Gorham
John Hozes, Hutchinson, R. R. 2
Broken Wine Cup Ranch, Marion
Edwalt Kichhalfer & Sons, Herington
L. L. Jones & Son, Garden City
Joe Lewellen, El Dorado

For Catalog Address A. G. Pickett, K. S. A. C., Manhattan, Kansas.
Mike Wilson for Kansas Farmer.

Beef CATTLE

AN OUTSTANDING GROUP OF REGISTERED HEREFORD BULLS

Featuring 90 Head

Picked from the herd and sired by W.H.R. Truepex 4th, Rayo Star, Del Rayo 1st, and Rayo Baron. Priced around \$225.00 a head.

RANCHO RAYO, Maryville, Mo.
L. D. Phone 418.



We Will Be at the Kan. State Hereford Sale Hutchinson, February 14

With 3 Good Females, 2 Senior Yearlings bred to W.H.R. Star Mixer, son of W.H.R. Prince's Mixer. Also 1 Junior Heifer Calf by W.H.R. Star Mixer. For sale at private treaty our senior herd sire, T. Prince Ruppert. Contact us at Hutchinson or at the farm.

WILLIAM BELDEN, Horton, Kan.

Announcing The SHAWHAN & MYRICK

Complete Hereford Dispersion Sale

Lonejack, Mo., Monday, Feb. 3
Sale at Farm Under Cover, Rock Road, 4 Miles North of U. S. 50 on 24E. Then 1 Mile West, or 6 Miles South of U. S. 40 on 24E, Then 1 Mile West.

60 HEAD OF STRAIGHT-BRED ANXIETY 4th HEREFORDS

2 Triple Domino herd bulls; 10 young bulls; 20 cows with 8 calves; 10 yearlings and 10 coming 2-year-old heifers. All Tb. and Bang's Tested. Phone—Lonejack, Mo., 322 for Further Information. Auctioneer—Hugh Campbell, Chillicothe, Mo.

CAR LOAD OF HEREFORD BULLS

All in good condition, low down, blocky type and well marked. Several herd header prospects. Ages 9 to 12 months. W.H.R. and Prince Domino breeding. \$135.00 per head.

Wm. J. Olsen, Alta Vista, Kansas

Registered Hereford Bulls

Domino breeding, 8 to 17 months of age. Herd inspection invited. Priced right.

E. H. ERICKSON, OLSBURG, KANSAS

Reg. Hereford Cattle

Leading bloodlines, all ages. Lots to suit buyer.

Prices for all purposes.

SHAWNEE CATTLE COMPANY, Dallas, Texas

Andrews, Crews and Kenner Farms Shorthorn Sale!

CAMBRIDGE, NEBRASKA
SATURDAY, FEBRUARY 22, 1947

--- 60 HEAD ---

6 Horned Bulls

10 Polled Bulls

35 Horned Females

9 Polled Females

In the Crews offering is a son of Campeón Mercury and two of his sons—10 Compact Females.

Kenner Farms—8 Polled Bulls, 8 Polled Females.

Andrews—Eleven cows with calves at foot or near calving and a top Polled bull by a son of Fascinator.

Sale Held at Pavilion in Cambridge, Nebraska, 1 P. M.

Kansas farmers and breeders will find this offering very much worth while. Mr. Andrews is selling his entire cow herd. This herd was established by Tom's father in 1887 and Shorthorns have been bred on the same farm ever since. Other consignments have been carefully selected.

Jesse R. Johnson.

For Catalog Write Thos. Andrews, Cambridge, Nebr.

Auctioneers—J. E. Halsey, Frank Mills.

Jesse R. Johnson with Kansas Farmer.

Attention Is Called to—

Shorthorn Sale February 19, Omaha, Nebr.

Polled Shorthorn Sale February 20, Omaha, Nebr.

Hultine-Blomstrom Polled Shorthorn Sale February 21, Lincoln, Nebr.

U. S. Center Aberdeen-Angus Breeders' Association

SECOND ANNUAL

SHOW and SALE!

Smith Center, Kan.
Monday, Feb. 17

Show at 9 A. M.

Sale at 12 Noon

89 head of Registered Breeding Cattle

22 BULLS — 67 FEMALES

Sale will be held in the Chance Sale Pavilion. (Heated). This consignment comes from 23 of the leading herds of southern Nebraska and northern Kansas. Real cattle for foundation stock.

For Catalogs write Harry R. Dannenberg, Sec., Gaylord, Kan.

Sale Headquarters at the Erdman Hotel, Smith Center, Kansas.

Mike Wilson with Kansas Farmer.

Kansas Hampshire Breeders Show & Sale

Seneca, Kansas, March 1

50 Bred Sows From the Following Breeders

R. E. Bergsten & Sons, Randolph

Clarence E. Brown, Collyer

Leonard Harden, Centralia

Aloy H. Haverkamp & Sons, Seneca

James Koehler, Seneca

Mel-R-Ranch, LaCygne

Clarence Olberding, Seneca

Joseph G. O'Bryan, Hiattville

Warren Pleoger, Morrill

Raymond Robke, Seneca

Dale Scheel, Emporia

P. Everett Sperry, Lawrence

W. J. Stewart, Waterville

A good place to get foundation stock. Plenty of new blood for old breeders. Kansas F. F. A. and 4-H boys; mark this date and plan to attend. There will be a judging contest with worthwhile prizes. Judging time 9:30 A. M. Sale at 1:00 P. M.

For Catalog Address Lawrence Alwin, Seneca, Kan.

Auctioneers—Bert Powell, Topeka, and Gene Foby, Seneca. Mike Wilson, Kansas Farmer.



LIBRARY
FEB 3 1947
STATE OF MONTANA LIBRARY
MONTANA STATE UNIVERSITY

The Tank Truck



Home-Made Beet Loader Handles 60 TONS per Hour

Harry Carlson aims high in his farming. His 750 acres near Eastlake, Colorado, lie some 6,000 feet above sea level, but that doesn't stop him from raising a record crop of sugar beets. Next to his crops, Harry's proudest of the extra-fast beet-loader shown here, which he designed and built himself! It handles 60 tons of beets per hour, and his Caterpillar D2 tows it eight hours a day on just one gallon of Conoco diesel fuel per hour! He writes of his experience: "For the past 14 years I have used your products . . . I have not once been disappointed and although my equipment received hard wear I have not had any trouble. . . ."



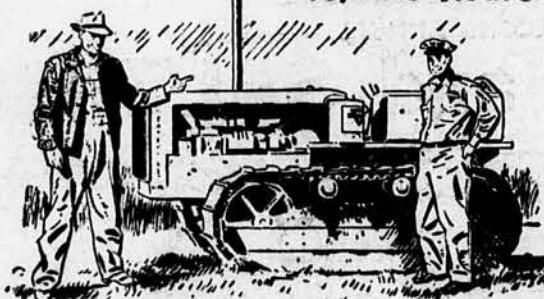
"2,000 hours more without an overhaul..."



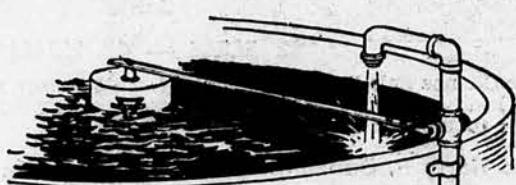
THAT'S the claim of Charles Schoener, Jr., who farms 255 acres near Victoria, Texas, using one Farmall H tractor. "I can truthfully say," he writes, "that I can operate my tractor at least 2,000 hours more without an overhaul by using Conoco Nth motor oil. I formerly had a Farmall F14 tractor. It was four years old when I started using Nth oil. I operated it three more years with Nth. And do you know that I spent less money on that tractor for repairs and operations the last three years using Nth than I did the first four years of operation before changing to Nth? . . . It was getting older, too, and should have been costing me more. As to service—why all I have to do is wave to Gus (the Conoco driver) . . . hold up one, two or three fingers and he is back in about fifteen minutes. . . ."

And—it wouldn't be fair to let that plug for service go by without mentioning that "Gus" is G. A. Zimmer, who operates a Conoco tank truck out of Victoria, Texas.

10,000 Hours Without a Single Major Repair!



YOUR CONOCO AGENT



Home-Made Float Maintains Stock-Water Level!

The float installed in the stock watering tank above was made by Mrs. Cassie Risner of Strong, Oklahoma, using a quart tin can and an old dipper handle. The can is weighted with a stone and the lid is soldered on tight.

Kenneth De Lange sent the sketch at right from Girard, Kansas, showing a handy trailer hitch he made out of a bolt and nut, a washer, and a discarded valve spring.

DOLLAR AN IDEA!

Ideas are worth money. Send your original ideas to The Tank Truck, in care of this paper—and get a dollar for every one that's printed.

In the seven years Daniel Slezak has owned it, the RD4 Caterpillar seen here has worked over 10,000 hours and has worn its tracks down one full inch! Yet it has never been torn down or required a single major repair! Mr. Slezak cites that fact as evidence of the quality of Conoco products and of the good service given him by Conoco Agent Harry King of Valier, Montana. In addition to his RD4, Mr. Slezak has a W40 McCormick-Deering tractor to help farm his own 875 acres and custom-job a lot of his neighbors' work on the side. Harry has served him since 1939 with Conoco diesel fuel, Conoco HD oil, Nth motor oil, Conoco transmission oil, and all the other Conoco farm lubricants he needs.



What Grease for the Job?



KNOWING what oil to use for a particular piece of machinery during a particular season is a knack that's easy to learn. But many's the farmer who has found out the hard way that choosing grease is a lot more tricky—mainly because grease-lubricated parts vary so widely in load conditions and in exposure to heat, cold, moisture and weather. Take no chances on just any old grease. Chances are you'll run into trouble that way—and trouble is so easy to avoid, if you'll just call your Conoco Agent. He knows just which Conoco

CONOCO research scientists and engineers have devoted years of chemical research to the problem of developing a motor oil with the film strength needed to meet tough farm requirements.

After thousands of experiments with hundreds of oils, they got one better than all others. That oil is Conoco Nth motor oil—and its development was based on the remarkable discovery of a special lubricating ingredient whose molecules attach themselves to molecules of metal through the basic natural force of molecular attraction!

In fact, so close is the bond between molecule and molecule that cylinder walls and other engine parts are actually OIL-PLATED. And because OIL-PLATING doesn't all drain down to the crankcase when the engine is idle—even overnight—there's extra protection against wear in starting, and continued extra protection even in the hardest running.

Ask your Conoco Agent about Nth oil's remarkable OIL-PLATING ability. You'll want to try it right away in your tractor—and it's tops for trucks and cars, too. Phone your Conoco Agent today. There's no obligation to buy. Continental Oil Company

grease—Coglube, Robalube, Pumplube, Racelube, Sujind grease, cup grease, axle grease—to use for every job.

M. L. Percy of Winterset, Iowa—seen in picture at left with Conoco Agent Don McKee—is a case in point. He's never had a bit of trouble with oil since he switched to Conoco Nth six years ago. As he puts it, himself: "When I go out to do custom work I open the governor wide . . . and I have never had a bit of bearing trouble. My Graham Bradley is 12 years old now and has the original bearings in it and does not use a drop of oil."

When it came to grease, though, there was a different story—until Mr. Percy called in Don McKee. He writes of this: "I was having trouble with my combine getting a proper grease that would not get hot and run off until I started using pressure lubricant and this has really done a swell job for me. In corn picking I use Conoco No. 20 . . . which is just the thing for corn pickers; easy to handle and on the job all the while."