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DECEMBER 2, 1944

KANSAS FARMER

CONTINUING MAIL & BREEZE



This picture was taken following the 1944 show and indicates the progress made in size and quality of turkeys since the 1940 show. Shown in the picture, from left to right, are: John L. Scott, White City; H. E. Freeman, Concordia; and George A. Trollope, one of the show judges.



The first annual Kansas State Dressed Turkey Show was held in 1940. Shown here from left to right are the winners: Glen C. Bidleman, Pat McQuillan, Frank Feight, and Edwin Anderson.

TURKEY GROWERS

are going after

Year-Around Market

KANSAS turkey growers, who organized a State Turkey Federation this year, are getting set to take advantage of the new trends in turkey production, processing and merchandizing which seem to be indicated for the postwar period. Karl Shoemaker, Extension marketing specialist at Kansas State College, and E. R. Halbrook, Extension poultry specialist, predict that turkeys, already a source of \$7,000,000 annual income to Kansas farmers, will be raised in coming years to meet a year-around demand. This demand will come not only from large commercial consumers, such as hotels, restaurants and institutions, but also from individuals and families, including many who do not now buy turkey except in public eating places.

Turkeys have just about emerged from the luxury classification of foods, largely as a result of meat rationing. Hotels and restaurants, looking around for something to meet their patrons' demands, solved part of their problems by buying turkeys when they were reasonably plentiful and putting them in cold storage for later use. In the last few years, in Kansas and elsewhere, turkey has been served in hotels and restaurants from early fall until well into the summer. The price of a turkey dinner is little more than for other meals. Many families, especially large families, who have had access both to turkeys and freezer-locker space, have been storing turkey in the fall and winter and having it for Easter dinner.

Altho Kansas farmers raised only 891,000 turkeys this year, compared to 958,000 in 1943, they quite likely will receive a record-

breaking price for this year's crop, Shoemaker said. While Kansas production decreased, national production broke all records with an estimated total of 35,660,000 birds, amounting to 480,000,000 pounds. The 1944 estimate is 8 per cent larger than last year and 4 per cent more than the former record-breaking crop in 1940.

Record prices expected this year are the result of the consumer demand, which has reached an all-time high, and the 1944 ceiling prices for Kansas turkeys. Civilian consumption is now at its highest point, amounting to from 3 to 3 1/4 pounds per capita, compared with a 2.6-pound average for the 1935-39 period. Government demand for turkey for the Armed Forces this year kept the embargo in force until November 6. Demand for turkeys, since the war put meat rationing into effect, has been so strong, both from civilians and the government, that the support price for turkeys never has been put into effect.

Altho growers who sold to the government in September and October received a premium, under embargo prices, the regular ceiling price also favors Kansas growers this year. One ceiling price is in effect for all birds of the same grade, regardless of weight. This is reflected in lower prices for lightweight turkeys, a decrease of about 1 cent a pound, but means an increase of about 2 cents a pound for all heavy turkeys. Since in Kansas toms make up more than 50 per cent of the total flocks by weight the advantages of this year's ceiling price are obvious.

This year's ceiling price also removed the



Beverly Archer, Ford county, looks over some of the turkeys which help to make up the big farm job of handling 1,120 acres and extensive livestock projects.

desire to market turkeys before they were finished. Marketing birds too early means not only that the birds will lack fat and probably be pinny, but also that the producer has missed his opportunity to put on the last 3 or 4 pounds which are the most profitable from the standpoint of net profit. One third of the total profit above feed cost is realized in the last few weeks. Other costs are fixed and the greatest danger of mortality is over by this time.

Turkey growers, however, do not seem to be worried by a possible decrease in price from the wartime high. When the new turkey federation was organized at Farm and Home week at Kansas State College in February, most turkey growers who have been in the business for around 10 years, indicated they intended to continue to raise turkeys.

The decrease in number of turkeys this year was due largely [Continued on Page 19]



What's a Boxcar got to do with Inflation?

THESE DAYS everyone hears a lot about inflation. To most people it is a maze of complications. Of supply. Of demand. Of purchasing power. Of money.

But its cause can be stated simply. When there is more money to buy things, and fewer things to buy, prices are likely to soar and inflation to start.

Freight cars and the work they do are helping check this vicious climbing spiral.

One way they help is by keeping available goods distributed normally throughout the nation, avoiding local shortages and preventing local bidding up of prices.

Another is by keeping transportation costs down to a minimum.

For the average charge for moving things in freight cars is less than one cent for hauling a ton of freight one mile. This is by far the lowest average charge made by any form of common carrier transportation for all-round, general freight service — and, on most commodities in common use, it is not more than a tiny fraction of retail prices.



AMERICAN RAILROADS
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Oil the Shears

In using tin shears when cutting composition roofing, I dip them in old crankcase oil for each cut to keep the shears from being gummed.—J. M. S.

Roll Your Own

When the metal tip comes off a shoe lace, it is not necessary to discard the lace. A satisfactory tip can be put on quickly and easily by dipping the end of the lace in melted paraffin or beeswax and shaped to a point before the wax hardens.—A. B. C.

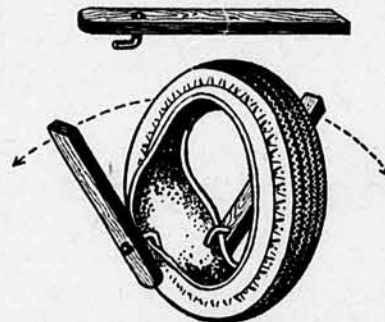
Shocked Rats

When rats bother in and around the granary, string a charged wire from the electric fence across the rat holes. When they have received a few shocks from the wire, they soon leave.—G. E. R.

Hold That Bolt

If that round-headed bolt persists in turning when you are attempting to remove or tighten the tap, saw a slot in the head with the hack saw. Insert a screwdriver and your trouble will vanish.—B. E. M.

Easy Tire Spreading



It is wise to inspect tires frequently. We use a couple of 1- by 2-inch boards 15 inches long, with 6-inch bolts in hook shape fastened to their lower ends. For large truck or tractor tires, I use heavier material correspondingly longer. As shown in the illustration, it is a simple matter to open the casing for inspection.—E. R. G.

Beats Holding Sack

So one man can do the work of 2 in sacking grain, try this: Take a tall can, such as a lard can as tall as the average sack is long, remove the bottom and top. The can should fit inside the sack firmly, then shovel in the grain. When full, pull the can out, leaving the sack filled with grain. You can also make a tin pipe to fit any sack.—L. M.

Keeps Horses Haltered

I like to keep work horses haltered at all times. They can be quickly fastened in the barn by means of a snap in the end of the rope and when working for the neighbors one does not have to hunt up a halter that will fit. Also, the horse is controlled better if it has a halter.—L. V. H.

Saves the Chain

Do you still have a discarded heavy automobile or truck tire around your farm? If you will use it as a link between your tractor drawbar and the chain which pulls the drag or railroad iron you use in breaking cornstalks, it will lessen breakage of the chain as it takes up much of the shock.—B. E. M.

V-Point Broom

A whisk broom trimmed into a sharp V-point is perfect for cleaning couch and floor corners.—Ellen Moore.

Tree Booster

Young trees never stop growing when they are moved from the nursery to permanent locations, if a bucketful of moistened peat moss is placed in each hole at planting time. I have found that apple trees which were set in peat moss produced 6 times as much top

growth the first season as those that were planted without it. By the end of the fourth season the peat-fed trees looked like 5-year-olds. A 150-pound bale of peat moss, costing around \$3.00, is enough for 50 trees.—E. R.

Hang Up the Poison

Using tin snips I cut tin cans in two and place fly poison in them and hang them in places where the flies congregate. Either commercial fly paper or a mixture of arsenate of lead and sugar mixed with water may be used. The poison in these hanging cans keeps it away from children and animals.—Mrs. H. C.

Wrench for Tight Spots



A wrench to reach the "knuckling" spots around various kinds of machinery and especially auto generators and starters, can be made by bending an ordinary socket-wrench handle into a segment of a circle as illustrated. For tightening up or loosening nuts and bolts in almost inaccessible locations, these wrenches may be bent to a variety of specially suited shapes.—E. R. G.

First Aid

We have saved many pigs that have been chilled when new-born by placing them (except head) in a pan of warm water. I test the water with my elbow which prevents getting it too warm. Then the pigs are rubbed dry and placed in woolen cloths. The pigs revive quickly. Chickens that have been nearly drowned in cold showers can be revived the same way.—Mrs. A. B.

When screws and bolts in ironments or iron become rusty, soak them in gasoline for 30 minutes and they will come out easily.—P. W. G.

Corncob Insulation

When building our new poultry house last fall we were eager to make it as warm as possible and decided to pack the walls with corncocks as we had no sawdust or other insulating material. The corncocks were ground in our feed grinder and used as cornmeal insulation. It took 2 hours to grind 40 bushels of corncocks. This was tamped between the walls and, while doing this, we sprayed with old crankcase oil to discourage insect life. The meal packs like sawdust and as long as it is kept dry is just as lasting. It is the warmest poultry house we have ever had.—O. O. C.

Senator Capper on Radio

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

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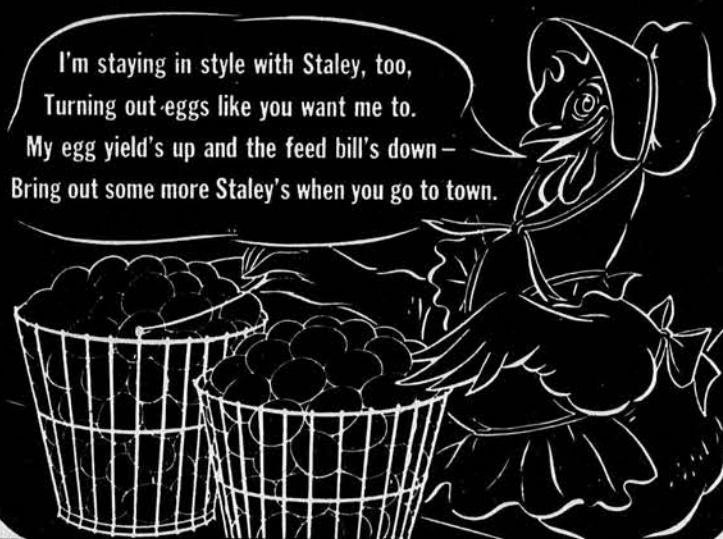
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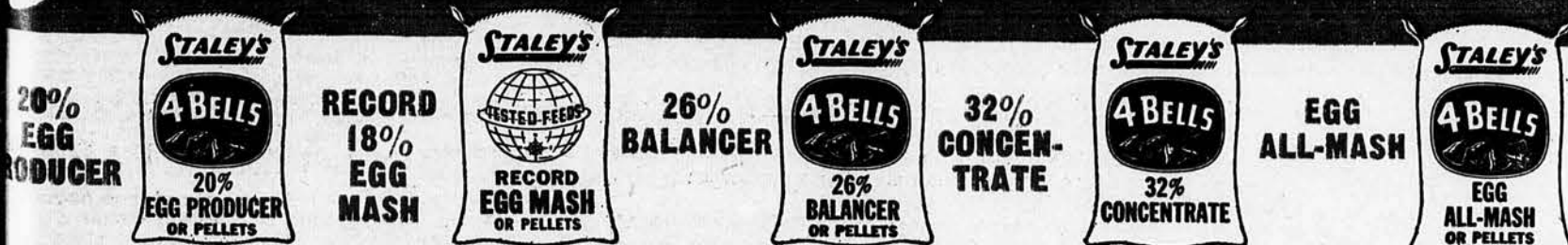
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A rich vitamin-protein-mineral concentrate for mixing with ground home-grown grains in preparing chicken and turkey feeds. Its wide range of proteins, vitamins and minerals supplements the home-grains, and helps bring them to a high peak of efficiency. Staley's 32% Concentrate helps take the guesswork out of home mixing.

Feed as a complete ration. Use no grain. An excellent feed for small flock owners who do not want several different kinds of feed on hand. Feed no grain with it. We also recommend it for large feeders when grain is scarce or high priced. Available in mash or PELLETS. Rich in vitamins, proteins and minerals.

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Staley's Egg Mash comes in two kinds of bags... Cotton Wash Prints in dozens of beautiful patterns and dainty, alluring colors... and Tint-Sax Linene, a budget-wise fabric that holds its color and washes beautifully. Many colors to select from. And remember!... on the average, the cloth from only 3 bags of Staley feeds will make a lady's dress.

How to Pick Meat-Type Turkeys

By MARY SMITH

MEASURING the width of breasts of turkeys, $1\frac{1}{4}$ inches above the front of the keel, is the best method so far discovered to aid in selecting breeding stock for meat-type turkeys, according to Prof. L. F. Payne, Kansas State College, Manhattan. This width should be $3\frac{1}{2}$ inches, minimum measurement, in order for a bird to qualify as broad-breasted. Professor Payne conducted a demonstration on this at the college poultry farm during the recent annual Extension conference.

Much time can be saved by confining measurements to the breast width only, Professor Payne declared.

The method of measuring consists of using a No. 12 fuse wire about 10 inches long, paper, pencil, caliper and ruler. If a planimeter is available, it should be used. However, it is not necessary in the selection of superior birds.

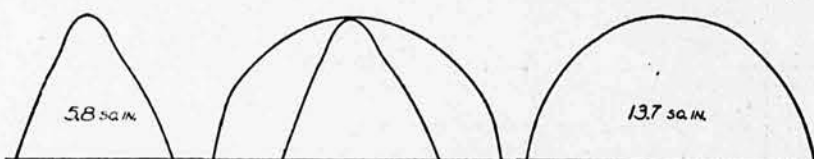
When the breeder candidates are 28 weeks old, they are weighed and measured. Length of shank, length of keel, and depth of body from front of keel to point between the shoulders are recorded. The turkey then is held on a table with back down, the fuse wire is placed under the feathers at front of keel and shaped to the breast. After

With breeding toms of the same age, the width is somewhat greater in proportion to the area. A width of 5 to 6.5 inches usually will give an area of 11 to 12 square inches in this strain.

Females entered in the Kansas dressed turkey show in 1944 ranged in breast width from 5.8 to 7.0 inches with an average area of 14.6 square inches. The toms have ranged from 6.9 to 8.0 inches wide with an average area of 15.2 square inches. The record to date is a tom 8.0 inches across the breast with a plane area of 17.5 square inches.

Examination of much larger numbers and of different strains should eventually lead to reliable measurements for general use. For greater accuracy, it is advisable to use a ruler graduated in one tenth ($\frac{1}{10}$) inches, and record the width to the nearest tenth.

It has been suggested that turkey producers who are following the National Poultry Improvement Plan might find it helpful to give more consideration to breast measurements when selecting breeding stock. An area of 10 square inches indicates a superior meat-type individual and is somewhere near the requirement of type desired in broad-breasted birds.



This diagram shows the difference in turkey breast areas in square inches; the same birds as shown in the "cross-section" picture. The meat-type, right, had an area of 13.7 square inches, while the ordinary type, left, had an area of only 5.8 square inches. Center diagram shows one superimposed on the other.

carefully removing the wire, it is placed on a sheet of paper and traced with a sharp pencil held vertical to the paper. A straight line is next drawn across the figure 3 inches below the apex. This gives a method of comparing the size and shape of the breast plane of the prospective breeders. Where a planimeter is available, it is moved clockwise around the plane and thus the square area in inches is accurately recorded.

This procedure is one means of making progress in developing meat qualities in the college flock.

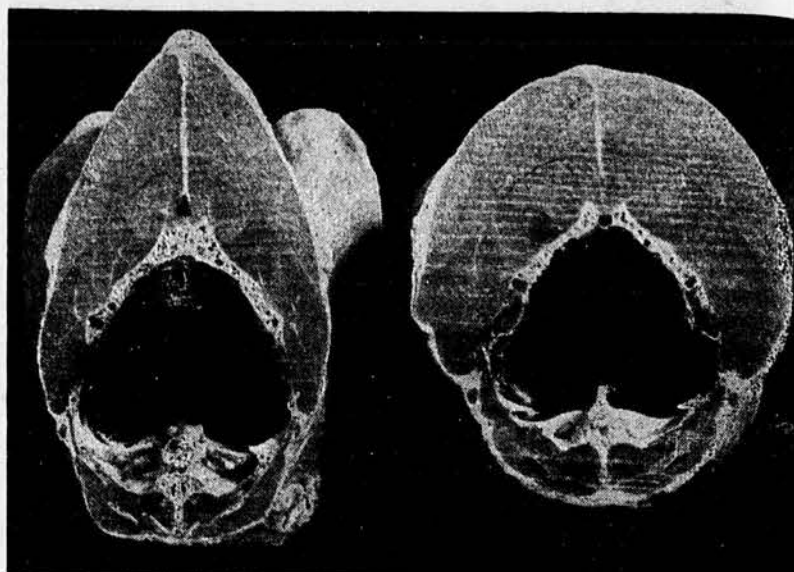
The first meat-type turkeys at the college were introduced from Oregon in 1937. They did not show up very well when judged by weight and breast area. Thru selection, based largely on breast area, and the introduction of new stock on 3 different occasions, both the average weight and area of breast plane have been materially improved. There has been a gain of 8.8 pounds in the average weight of males and about 4 pounds in females, and an average increase in breast area of 3.3 square inches in the males and about 2 square inches in the females in the 7-year period. There has not been much change in shank and keel length and body depth.

With the college strain of meat-type female turkeys, it has been found that the width of breast 3 inches below the keel or apex is closely related to the square area when measured at 28 weeks old.

For example, a width of 3.9 to 4.2 inches gives a breast plane area of 8.5 to 8.9 square inches; a width of 4.3 to 4.5 inches gives an area of 9.0 to 9.9 square inches; a width of 4.6 to 4.9 inches gives an area of 10 to 10.9 square inches; a width of 5.0 to 6.0 inches gives an area of 11 square inches or more.

Pruning Fruit Trees

General directions for pruning all common fruit-bearing trees in Kansas are given in the Kansas Agricultural Experiment Station Circular No. 218, Pruning Fruit Trees of Kansas. Other helpful information regarding the bearing habits of fruit is included. A free copy of the circular will be sent upon request to Bulletin Service, Kansas Farmer, Topeka.



Marked difference in the breast development of the modern meat-type turkey, right, and the old standard-type, left, is illustrated in this cross-section thru the breast in each case at front of keel. Meat-type bird at right weighed $17\frac{1}{2}$ pounds; bird at left, $16\frac{1}{2}$ pounds, both dressed. Breast meat of the meat-type bird at right weighed slightly more than 4 pounds, which was 31 per cent of the entire turkey, drawn weight. Breast meat on the other bird weighed 3 pounds, 3 ounces, or 26.8 per cent of entire bird, drawn weight.

Turkey Improvement Plan is to make improvement terms and their meaning more uniform thruout the nation. The only major change in the Kansas plan will be to require tube testing for pullorum disease instead of whole blood-stained antigen testing which is in general use in testing chickens.

The stages under the poultry plan will be Kansas U. S. Approved, Kansas U. S. Certified, and Kansas U. S. R. O. P. Kansas turkey breeding flock owners and hatcherymen interested in qualifying under this program should get in touch with the Extension poultry specialists of Manhattan State College, or the Kansas Poultry Improvement Association, which also is at Manhattan.

Brace Cornerrib

Iron rods that are put thru the middle of the long, high cornerrib to keep it from spreading, can be made much more effective if an old disc is placed on each end of rod, then tighten the top up against them. The discs should be placed with the concave side next to the crib. This will make the area of pressure against the crib much larger and cause the rods to hold better.—V. W.

Income Tax Changes

By J. H. COOLIDGE and PAUL W. GRIFFITH
Kansas State College, Manhattan

It is time to know more about Income Tax requirements for farmers. The main changes from last year are:

- (1) A return is required from all individuals receiving a gross income for 1944 of \$500 or more.
- (2) Earnings of minor children are not to be included as income of parent.
- (3) Net business income of farmer is figured practically the same way as in 1943.
- (4) Sale of machinery, and breeding, dairy or work stock may now be treated as a sale of a capital investment and only 50 per cent of the profit considered as taxable income.
- (5) Personal exemption now \$500, if single; \$1,000 for married couple and \$500 for each dependent.
- (6) Age limit eliminated for dependents—51 per cent of support now the only qualification for claiming a dependent (provided, of course, they earned less than \$500 themselves).
- (7) The "earned income credit" is now eliminated.
- (8) An optional standard deduction of 10 per cent of the adjusted gross income, or the actual contributions and other deductions, whichever is greater, may be claimed. The adjusted gross income is the sum of farm net income, other business net income and any other personal income.
- (9) Victory tax exemption and victory tax eliminated.
- (10) Normal tax now is 3 per cent on adjusted gross income less \$500 exemption per taxpayer. If a joint return is filed, the actual amount of the wife's separate income can be added to husband's \$500 exemption up to another \$500. Wife must have the right to file a separate return before extra exemption is allowed.
- (11) Surtax rates on the first \$2,000 income subject to surtax is 20 per cent; 22 per cent on the second \$2,000; 26 per cent on the third \$2,000; 30 per cent on the fourth, etc.
- (12) Anyone receiving two thirds of his income from farming is classified as a farmer and may postpone filing of an estimate of his income tax until January 15, 1945, and if final return can be filed at that time no estimate is required.

Would Test Turkey Feeds

TURKEY growers in Kansas asking the legislature to appropriate \$10,000 for the biennial beginning July 1, 1945, for research in feeding problems under the direction of Kansas State College. Investigation into the possible use of native grains is urgently needed for Western Kansas, according to Prof. Loyal F. Payne, head of the department of poultry husbandry. It is planned to conduct the feeding experiments at the branch agricultural experiment station, Garden City.

More accurate knowledge about feeding value of kafir, milo, barl, oats and wheat in comparison with corn is needed, according to Prof. Payne. It is well known that certain grains give a superior exterior finish on the dressed carcass of chickens while other grains result in a better distribution of fat thruout the carcass. It is not known how these grains affect the finish of turkeys.

It also is highly important to discover the value of the grains commonly grown in Kansas, when fed as mash or pellets, in relation to the rate of growth, the size of mature bird, the quality or grade of dressed bird and the cost of production.

If Kansas grains can be used to feed Kansas turkeys very substantial outlays annually will be saved for state's turkey growers. Up to the present time, much of the feed for state's average annual production of 1,000,000 turkeys has been shipped into Kansas from other states. Turkey producers feel convinced that are feed resources within the state, research will be necessary to discover which are the most valuable. It is worth some study.

Cellophane for Seeds

I save cellophane bags to store garden seeds. Insects will not destroy them and seeds are visible at a glance.—M. H. L.

Save That Thumb

When tightening taps, adjusting wrench so you will be turning away from the machine will often save sore finger or thumb, if the wrench slips as it often does.—B. E. M.

For Home Bakers

"Bread Baking Made Easy" and "Quick Breads" are the titles of two interesting pamphlets published by the General Electric Company. There are helpful illustrations on the steps required in baking bread, and many recipes are given in these pamphlets. Please send to Farm Service Editor, Kansas Farmer, at Topeka, for your free copy of each one.

Marketing Viewpoint

By George Montgomery, Feed Grains, Poultry and Eggs, and Dairy; Merton L. Otto, Livestock.

I have about 2,000 bushels of wheat in storage in an elevator. Should I sell it now or wait until next spring?—M. M.

During October prices of most grades of wheat were at the ceiling, but prices were easier during the first week of November. There have been unofficial reports that the ceiling price might be adjusted upward a few cents. Unless you wish to wait to see whether the ceiling is changed you might as well sell, provided your local price is at or near the ceiling.

I notice corn prices have been below the ceiling. Do you think they will go lower and remain below the ceiling for some time?—E. R.

There is a record crop of corn and there are smaller numbers of hogs and poultry than last year. The quantity of feed grain to the animal will be larger but there are no burdensome surpluses of feed grains. Local prices of corn may be less than the ceiling and corn of high-moisture content will sell in the central markets at substantial discounts. However, it is doubtful whether the price of good-quality, dry corn will remain below the ceiling for a very long period.

I have some coming 2-year-old, good-quality steers. Would it be best to feed them for a spring market or to winter them well and graze with a protein supplement on grass?—R. J.

It seems advisable to hold inventories of older cattle at a minimum. If these steers can be fattened to killer flesh in a hurry they might be marketed to advantage between now and January 15 or February 1. If this is not possible the next best time to market good-quality fed cattle probably will be during early summer.

I have some late lambs which weigh about 85 or 90 pounds. I have plenty of grain and pasture. Do you think it would be best to market now or later?—H. S.

It seems advisable to hold these lambs for a later market and feed to a heavier weight. The run of late spring lambs is about ended and the early feed crop is small and will not move in volume for some time. Lamb prices probably will work higher by mid-December.

Penicillin Grows On Corn and Milk

PENICILLIN, credited as the outstanding "drug" discovery of this war, has come to the front so rapidly the general public still knows little about its history, states O. E. May, of the Bureau of Agricultural and Industrial Chemistry.

Discovered in 1929 by Alexander Fleming, a British scientist, penicillin's great microbe-destroying power was early appreciated, but nothing was accomplished toward producing it on a large scale.

In 1941, however, British scientists were sent to the Bureau of Agricultural and Industrial Chemistry's Northern Regional Research Laboratory, at Peoria, Ill., which has one of

the largest collections of industrially important micro-organisms in the world. This laboratory was given the job of finding methods for mass production.

As a result there now are 2 main methods used in production—the surface method and the deep-tank method. In the surface method the mold is grown in shallow pans or even 2-quart-size milk bottles. In this method the mold simply floats on top of the solution.

The deep-tank, or submerged, method calls for the mold to be grown in large tanks deep under the surface, and stirred with mechanical agitators while air is pumped in. Tanks in some of the commercial plants hold as much as 12,000 gallons. Most of the penicillin being produced today is by the deep-tank method.

Commercial production of penicillin now is under way in 21 chemical and pharmaceutical plants in the U. S. and Canada. These plants have been rushed to completion and represent an investment of more than 20 million dollars.

Penicillin production has been speeded up tremendously. During all

of 1942 production probably did not exceed 100 million Oxford units—an arbitrary standard for measuring germ-killing powers of a penicillin preparation.

Production during the first 5 months of 1943 amounted to slightly more than 400 million units while an equal amount was produced in the following single month of June. After that, production nearly doubled each month and climbed to 9 billion units in December, 1943; 12 billion in January, 1944; 19 billion in February; and 40 billion in March.

By the end of this year production should be around 200 billion units a month, which is enough to treat about 250,000 serious cases of infection.

Civilians get second call on use of penicillin but 2,100 hospitals now are receiving it. The price has dropped from \$20 a hundred thousand units to \$3.25, a reduction of 84 per cent in a year, and undoubtedly will go lower as production increases.

Basic fermentation process used by all but 2 of the present commercial producers is based on use of corn-steep liquor and milk sugar. This represents

History of Corn

A most interesting new booklet entitled "The Golden Future of Corn," published by New Idea, Inc., tells of the history of corn, its value and varied uses, and harvesting equipment for this crop. The many illustrations make this booklet readable and interesting. A copy will be sent to anyone upon request to Farm Service Editor, Kansas Farmer, Topeka. It is free.

an entirely new agricultural industry not even in existence 2 years ago, and involves a new source of annual income of more than 50 million dollars a year, some of which will indirectly find its way back to the farm. It is one of agriculture's outstanding contributions to the war and a development that will live to benefit humanity long after the world is at peace, concludes Mr. May.

Quality IN HYBRID CORN CAN'T BE SEEN...



UNTIL HARVEST TIME!

The quality of DeKalb hybrid seed corn cannot be seen... cannot be measured until harvest time. That's when you know that every kernel you planted must have been packed with the power to yield... put there by DeKalb research, breeding and testing.

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DEKALB AGRICULTURAL ASSOCIATION • DEKALB, ILL.

Holding Your Soil

Marking Contour Lines, Establishing Grassed Waterways, Building Terraces with a Plow, and Strip-Cropping and Soil Management are the subjects in a new 14-page booklet entitled, "You Have What It Takes to Contour and Terrace." There are charts and illustrations which make the information easily followed and understandable. We have made arrangements with the publishers, Allis-Chalmers, to have a copy of this booklet sent free upon request. Please address Farm Service Editor, Kansas Farmer, Topeka.

DEKALB HYBRID CORN



AS INSURANCE against bad weather, and against war needs for foodstuffs continuing longer than appeared probable a few months ago, the War Food Administration has set food goals for 1945 at very high levels.

Reason given, that in wartime it is better to have too much than too little, appears to be sound, although the fact is that there already are food surpluses piling up, and more are expected to accumulate during the coming year.

At the same time, there always is the possibility that the war against Japan will last longer and require larger forces and much more in the way of supplies, than had been anticipated.

So I have no quarrel with the War Food Administration for not reducing food production goals for the coming year.

But at the same time farmers are entitled to know that it is just a matter of time—perhaps months, more likely a year or two or three—until both world demand and domestic demand for American farm products will decrease.

Although there may be flurries upward, the odds are that farm production, farm prices, and farm income will tend downward from now on. Some of these days farmers are going to be more interested in support prices than in ceiling prices.

The ratio of prices farmers receive to the prices farmers pay—otherwise the parity ratio—as reported by the Bureau of Agricultural Economics, already shows this downward trend. The parity ratio, based on 1910-14, already shows the downward trend, although so far it is not large.

I have before me the monthly report on the relation of prices received to prices paid for 1943 and 1944. During 1943 the parity range was between 116 and 123. For the first 10 months the range was narrower and lower—between 117 and 113. The Bureau of Agricultural Economics also estimates that net farm income for 1945 probably will be from 10 to 15 per cent lower than this year; 1944 will not be much different from last year.

Farm land values continue to go up. But the net income prospects would seem to indicate that now and during next year a sound policy for farmers would be to pay off mortgage indebtedness rather than to increase mortgage indebtedness for the purpose of buying farm land on a rising market.

American agriculture today is geared to producing better than a third more than in the pre-war years. That production, as soon as more farm labor and more farm machinery are available, could be kept up, even be increased. It is a question whether markets could be increased, or held at present levels.

The American farmer has two markets for his products—the domestic market and the foreign (export) market. In the main he must depend, and probably increasingly depend, upon the domestic market. The more nearly we have full em-

ployment, at good wages, in the United States, the better the domestic market, and the better the chance for good prices for farm products.

I would like to join with those who plan for large exports of farm products to take care of the surpluses that have accumulated, and will accumulate still more in 1945 if favorable weather conditions accompany large plantings.

But the plain fact is that at the present high prices—relative to world prices over any considerable period of time—in the United States, any considerable exports of American farm products will have to be subsidized; sold abroad at much lower than American prices.

The Government has promised to support American farm prices at approximately 90 per cent of parity for 2 full years after the war. Farmers are entitled to have those promises kept. But at the same time I believe farmers should face squarely the proposition that there is dynamite for themselves in these support prices if they result in producing surpluses beyond what the domestic market can take.

These are some things for all of us to think about.

We Must Do More

I SHALL do everything in my power to support the Government in winning the war and bringing about as just and lasting peace as possible. I pledge that wholeheartedly and sincerely. Living up to that pledge it is my duty, and my privilege, to support the Sixth War Loan drive which continues until December 16. I am doing it personally. And I urge my friends to do their level best.

I firmly believe farmers have been doing the most outstanding job of all production groups in growing food to help win the war. I also know they have done a very important job of buying War Bonds. But you still are asked to do more. Every loyal American citizen must and will do more.

Like yourself, I have heard criticism about waste of money and materials. Waste of food which farm folks labored so hard, and under such handicaps, to produce. I am afraid we are guilty of waste. A certain amount was inevitable in our rush to get ready to fight two wars on numerous battle fronts all at the same time. Other waste is inexcusable—and there must be an accounting for this later. But now we frankly haven't time to stop and bicker over the cost of the war.

Progress toward winning the war has been excellent, thanks to your food production, to your

dollars in War Bonds, above all to your sons in the fighting ranks and to their military leaders. That is part of your reward for supporting the War Bond drives. Now we must do more. All of us on the home front must keep in mind that it costs a tremendous amount of money to maintain 11 or 12 million men and women in our fighting forces. This overhead cost goes on every day even without one single shot being fired.

Our fighters must have warm clothing, good food, adequate shelter. These items cost money. So this Sixth War Loan drive would be justified, would be necessary, even if the war in Europe should stop overnight.

But that war isn't over. I am afraid some people, seeing such good progress on our battle front over there, did decide it was all over but the shouting. Our boys over there won't tell you that. They are up against the real thing. My farm friends who have sons or other relatives and friends over there, won't say that either. The facts are that fighting on the European front is getting tougher. It is going to cost more in dollars. Supply lines are longer. New and more deadly weapons must be rushed to our men, regardless of cost in dollars.

Even when the Nazis are beaten we have the Japs to whip. And that war in the Pacific is going to be expensive to finish. More costly than the European war, most likely. There are understandable reasons for this. Official sources tell us that almost everything in the Pacific war will cost more. Just for example, take transport costs. Because of longer distances, the same amount of freight costs 25 per cent more when shipped to the South Pacific than to Europe. A glance at a good map will show why this is true. Also, it takes twice as many cargo ships in the Pacific to support a task force because of greater distances involved.

It also is reasonable to believe the statements that we will need more of everything, in proportion, in the Pacific. More planes, tanks, ships, oil, munitions. We will need more B-29 Superfortresses, Uncle Sam tells us, and a Superfortress costs \$600,000. We will need more P-47 Thunderbolts that cost \$50,000 apiece. We will need more M-4 tanks, with bulldozer blades, that cost \$67,417 each. That is why in this present War Loan campaign the goal has been set at 14 billion dollars. And it is going to take the co-operation of every last one of us to reach that sum.

But here is proof that we can co-operate. All of the tremendous amount of advertising used to urge the purchase of War Bonds is contributed. None of it is paid for by the Treasury. Your War Bond money isn't going to pay for space in newspapers, time on the radio or for salaries. Everyone working in the War Bond campaign is doing it on his own time and at his own expense.

Arthur Capper

Washington, D. C.

Who Is Right About the Food Surplus?

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—The "You're another" 1944 fall political campaign shouts have been succeeded in Washington by cries of "There is" and "There isn't"—referring this time to a food surplus.

The top official pronouncements, reflecting White House views—It was the White House which caused the War Food Administration to hike the 1945 food production goals, after it had almost been decided to lower the acreage goals 4 to 8 per cent under the 1944 plantings. Reason: The international situation can be handled better by Washington with increased food production in sight in the United States, than with a slowing down in production.

According to William M. Kiplinger, of the Kiplinger Agricultural Letter Service, sub-officials acquainted with the facts will not discuss it, except very privately.

So the Washington scene is this:

On the record—No food surplus in sight; American farmers cannot over-produce.

Off the record—Food surplus not only is in sight; food surplus already is here. It exists in stock piles and reserve stocks.

If these sub-officials—and those in the food trades who keep themselves informed—are correct then a 1945 surplus production will be piled on top of the existing surplus; peace with Germany will come with U. S. surpluses up, production up, and probably with our consumption on the way down.

That means weakening prices and, for those holding the surpluses, inventory losses, when the reserves and the stock piles come out of hiding, so to speak.

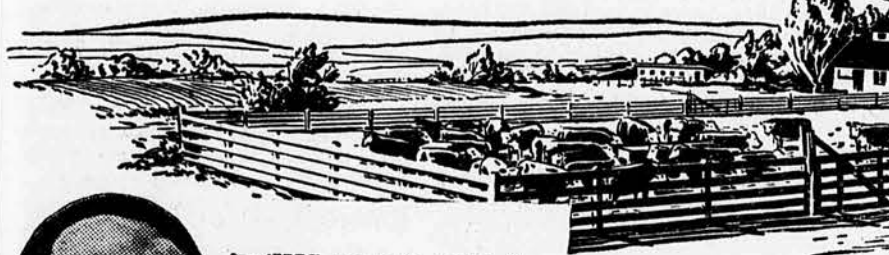
This is recognized officially by the Bureau of Agricultural Economics, which, in discussing farm income in the annual outlook issue of "The Agricultural Situation" says:

"Total cash receipts from farm marketings in 1945 may drop 5 to 10 per cent below 1944. Income from crop sales is not expected to drop materially, because a substantial proportion of the 1944-crop production will be marketed in the first half of 1945, which will help to offset somewhat reduced receipts later in the year if only average yields are obtained. The 1945 decrease in income from livestock and livestock products will be much greater, as a decline of about 20 per cent in hog marketing is expected as well as a drop of about 10 per cent in egg and chicken production."

BAE estimates that cash receipts from farm marketings in 1944 will top \$19,800,000,000—a half billion more than for 1943. Crop receipts will be up about 8 per cent; receipts from cattle and calves and dairy products will be slightly greater than 1943, but receipts from hogs, poultry, eggs, sheep and lambs will be down enough to show a net lowering of receipts from livestock and products.

Farm production expense items for 1945 will be about the same as this year—but there will be changes in different places, BAE estimates. Cost of purchased feed may be 10 to 15 per cent less than in 1944, due to relatively large crops of feed grains and shrinking livestock numbers. Cost of hired labor may be higher; cost of maintenance and depreciation will be higher. Production of farm machinery and motor vehicles for farm use will be stepped up as soon as German war ends. (Continued on Page 11)

What Helps Agriculture Helps All of Us!



John Holmes, President
Swift & Company

THIS page is printed here as a service to all farmers and ranchers of America. Together with you producers, we have a big job to do in the business of feeding this nation of ours well.

A short time ago I was talking about improved methods with a farmer. He said, "The way I look at it is this—what helps agriculture helps all of us."

That is it in a nutshell. What helps agriculture does help all of us—producer, meat packer and processor, retailer and consumer. So the purpose of this page is to tell in a few words and many pictures about all manner of things that do help agriculture. We hope that by searching out news items, telling of new trends, big or little, reviewing findings of agricultural experiment stations, by recounting the experiences of successful individuals, and in many other ways, we can render a worthwhile service to all who produce our nation's food.

The Editor will be F. M. Simpson, who is

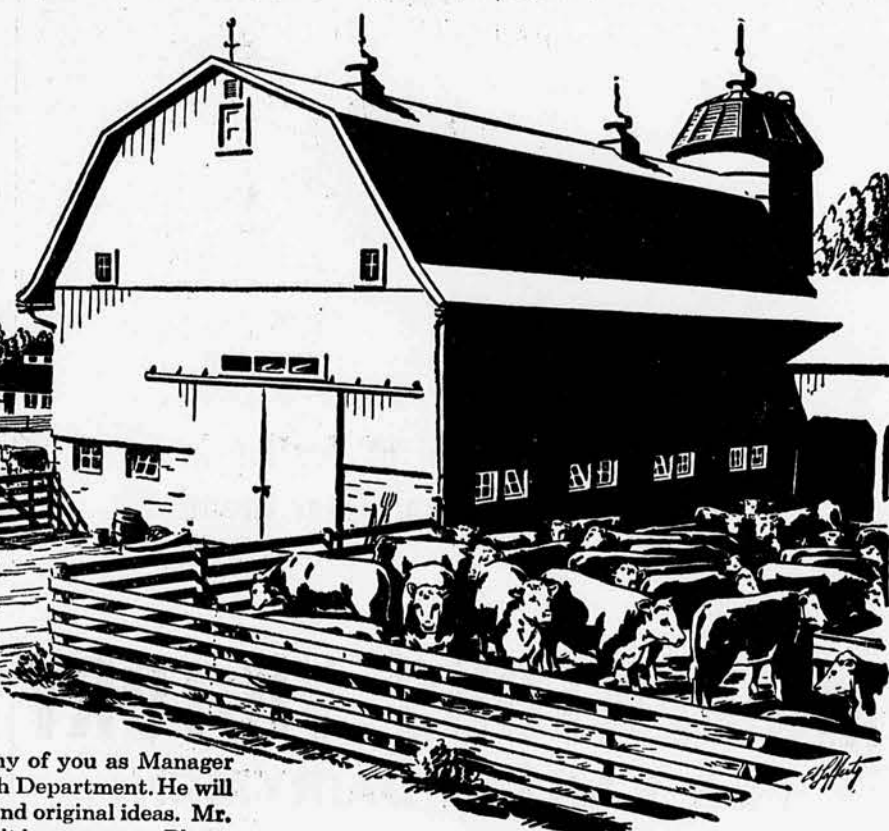
already well known to many of you as Manager of our Agricultural Research Department. He will welcome your suggestions and original ideas. Mr. Simpson is the Editor—but it is your page. Please help us make it a useful one.

A Merry Christmas to you all!

John Holmes
President, Swift & Company



"Sorry if I disappoint some home folks this Christmas. But I've got a date with the Service men and women. I mustn't be too little or too late!"



PROFITABLE CATTLE FEEDING

Under present conditions the Illinois Agricultural College recommends feeding medium feeders or better to a good finish but not to choice. Their suggestions:

1. Keep cattle largely on pasture and roughage until they have most of their growth.
2. Feed common two-year-old feeders minimum amount of corn to medium finish, producing commercial or B-grade beef.
3. Feed medium two-year-old feeders minimum of corn to a medium finish, producing commercial or B beef; or short-feed them a full feed of corn to a good finish, producing good or A-grade beef.
4. Short-feed good and choice two-year-old feeders a full feed of corn plus suitable supplement to produce good or A-grade beef.
5. For details, write College of Agriculture, Urbana, Ill., for Bulletin No. 501.

Nutrition Is Our Business—and Yours!



"Right eating adds life to your years, and years to your life."

These six Americans are united in the job of seeing that 132,000,000 fellow Americans get enough of the right kinds of food to eat. The rancher, farmer, meat packer, retailer, housewife and scientist, each has a part in the preparation and distribution of meats and other foods.

Feeders of livestock know that diet has a lot to do with the health of their animals. It

is the same with human beings. There is a great deal of research being conducted at the present time in our universities to find out more about the relationship between diet and human health, and Swift & Company gives many grants to aid this kind of research.

Not so many years ago a lot of people said meat was hard to digest; that children should never be given pork, etc. Nutritionists have proved that pork is one of the most digestible of all meats, rich in Vitamin B₁. These and many other basic truths about meats and other foods have been established by the work of nutritionists. You can readily see why such discoveries help the sale of meat and of livestock. That is why we say—"Nutrition is our business—and yours."



I. B. Johnson

SOFT CORN FATTENS LIVESTOCK

by I. B. JOHNSON, Director,
Agricultural Experiment Station,
South Dakota State College

If you are caught with "soft" corn, due to a sudden freeze before your corn matures—remember you still have feed. It makes a good fattening feed for steers, calves, feeder pigs, and lambs.

These were the conclusions of the South Dakota Experiment Station, based upon the first year's feeding trials, wherein cattle, hogs and lambs fed soft corn were compared with others fed sound corn of No. 3 market grade. The soft corn was bought at 50 cents a hundred-weight—the No. 3 corn at 75 cents a bushel.

No preparation was given to this soft corn. It was stored in uncovered piles on the ground, and fed field run—soft, moldy, rotten, husk-covered ears just as they came.

Yearling steers were fed for 150 days, calves 195 days, pigs from 87 to 118 days, lambs 90 days.

In ALL cases the return was greater from the lots receiving the soft corn, due to the price at which the corn was purchased.

The gains of both cattle and pigs on soft corn, compared to those on hard corn, were reduced after the beginning of warmer weather in April. It is advisable to feed your soft corn early.

In figures, the soft corn had the following approximate values when compared with the price of No. 3 ear corn in the rations fed:

- 84% when fed to yearling steers
- 80% when fed to steer calves
- 76% when fed to feeder pigs
- 71% when fed to feeder lambs

If you want additional information, write the Animal Husbandry Department, South Dakota State College, Brookings, South Dakota.

(The views expressed in this article are those of the author.)

Does lots of wool on the face and legs of a sheep and a wrinkled skin help to make a more valuable fleece? No, says the U. S. D. A. Sheep with wool over their eyes produce fleeces of lighter weight and less value than open-faced sheep.



Martha Logan's BEEF POT ROAST

A beef chuck, rump or round, provides the roast, accompanied by browned onions and carrots. Roll the beef well

in flour, then brown in hot fat in a heavy kettle. Heat water, cover tightly and cook slowly for two hours. Add peeled potatoes, onions and carrots, and cook for one hour.

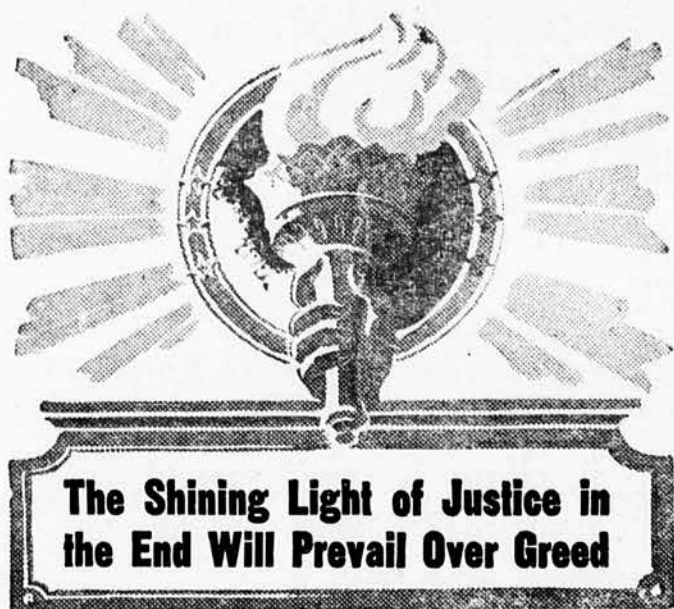
Buy More War Bonds— Hold What You Have!



Ex-Farm Boy Knocks 'Em Dead

Maybe you've heard the epic story of "Zeke" Givan. "Zeke" was a farm boy from Dearborn County, Indiana—until he enlisted in the Marines. His first big show was at Kwajalein. The Japs started to rush him, and "Zeke" started to shoot. When the shooting stopped, those present were "Zeke," one red-hot Browning Automatic Rifle, and 35 dead Japs. "Zeke" says modestly, "I did nothing except my duty." Later he was wounded at Saipan. We'll say that like many thousands of other farm boys, in and out of the Service, he is doing his duty extra special well.

Swift & Company, CHICAGO 9, ILLINOIS



MOMENTOUS VICTORY FOR KANSAS DAIRYMEN!

\$10,000,000.00
For KANSAS DAIRYMEN
From Kansas Friends

The United States Supreme Court has just upheld the Kansas Dairy Law which prohibits the sale in the state of milk in which vegetable oils have been substituted for natural butterfat.

The STATE BOARD of AGRICULTURE has fought to a finish in the courts for six long years the manufacturers of "filled milk" who attempted to load our markets with this phony product.

This decision means that dairy products, so invaluable in the diet of the human race from its beginning, may not be debased by the machinations of greedy men for their own gain at the expense of the dairy industry and public health. It removes a threat of the gravest import to humanity, and reaffirms the age-old place of the cow as the "foster mother" of mankind. The dairy industry can take on new life and the people have new faith in the integrity of their foods.

The agencies you so loyally support are fighting for you.

KANSAS INDUSTRIAL DEVELOPMENT COMMISSION
KANSAS STATE DAIRY ASSOCIATION



Kansas Goals for 1945

Need More Hogs, Beef and Dairy Products

PRODUCTION goals for 1945 in Kansas call for increases in swine and dairy output, heavier beef cattle marketing, and a steady-to-higher level of crops production.

A 20 per cent cut in poultry population, from 19,525,000 hens to 15,816,000 hens on January 1, has been called for, with a further reduction on March 1.

Three crops, oats, barley and red clover, will be reduced from 1944 levels. In 1944, there were 1,846,000 acres of oats, which will be reduced to 1,650,000 acres for a cut of 11 per cent. Barley acreage for 1944 was 1,154,000 acres and will be reduced 13 per cent to 1,004,000 acres. Red clover acreage will be trimmed 22 per cent from 23,000 acres to 18,000.

An increase of 5 per cent in milk production, from 3,136 million pounds to 3,290 million pounds, has been asked. To reach this goal an increase of 2 per cent in number of cows is asked and increased production to the cow of 3 per cent.

A 31 per cent increase in sows for spring farrowing is sought, which would raise numbers from the 199,000 in 1944, to 260,000 in 1945. Kansas farmers will need to compute their own hog goals immediately so sows can be bred for spring farrowing. Sheep and lambs exclusive of feeder lambs should be increased 10 per cent, from 653,000 head to 718,000, it is said.

Farmers will be asked to increase marketings of beef cattle in 1945 by 3 per cent above 1944. It is believed present feed supplies will permit operators to get cattle into good condition for marketing in 1945.

Corn acreage for 1945 remains unchanged at 3,756,000 acres, and sorghum crops will not change. Sorghum acreage for grains were 1,800,000 acres in 1944. An increase of 7 per cent in tame hay acreage, from 934,000 acres to one million acres is asked, while wheat acreage is expected to jump from 13,317,000 acres to 13,500,000 acres, and rye from 97,000 to 100,000 acres.

Increase of 23 per cent in soybean acreage is called for, or a jump from 203,000 to 250,000 acres. Flax increase is 32 per cent, from 165,000 to 218,000 acres. Broomcorn acreage boost called for is 9 per cent, from 22,000 to 24,000 acres.

An increase of 27 per cent is called for on sugar beets, or a jump from 5,500 acres to 7,000, and Irish potato acreage will remain at 27,000 acres.

Alfalfa acreage should be 150,000 acres in 1945, or an increase of 17 per cent, and sweet clover 60,000 acres, or an increase of 22 per cent.

Demand Kansas Cattle

The high quality of Kansas purebred livestock and Kansas livestock sanitary regulations were recognized recently when 2 foreign governments purchased 19 head of breeding stock from 3 Kansas breeders.

G. D. Sluss, of El Dorado, shipped 10 head from his Brown Swiss herd to the government of Venezuela, South America, and Henry Duwe, of Freeport, shipped 8 head of Brown Swiss to the same government.

John M. Lewis, of Larned, shipped 1 Polled Hereford to Australia thru a Chicago agent. According to Will Miller, state livestock sanitary commissioner, it was the first time in his

memory that Kansas breeding stock has been requested by foreign governments.

Stock shipped to foreign countries must meet the sanitation requirements of those countries. In this case, all cattle shipped had to be Tb. and Bang's free, examined for scabies, and had to pass an individual examination for general health.

Sale of these cattle to South America and Australia bears out what judges at the 2 big Kansas fairs said this year when they stated that the bottom cattle at the fairs this year were equal to the tops of 6 or 7 years ago. It also speaks well for the improvement in Kansas livestock sanitary conditions during the last few years.

Range Test for DDT

Some time next summer Kansas livestock interests will conduct the first range experiment in the U.S. for treatment of range cattle with the new and powerful drug, DDT, it is announced by Will Miller, state livestock sanitary commissioner.

While in Washington recently, Mr. Miller contacted Federal officials in regard to such a test and was given assurance that enough of the drug would be provided. Present tentative plans call for one or 2 range tests in the Bluestem area, and at least one in the short-grass section of Western Kansas.

DDT is said to be fatal to the horn fly and the small horsefly, both of which are believed to play a part in the spread of anaplasmosis. Few livestock men realize, said Mr. Miller, that once an animal contracts anaplasmosis it becomes a carrier for life, altho it may fully recover. This fact and the numerous methods by which the disease can be spread, makes it one of the most difficult animal diseases to fight.

The power-spray equipment used during the last year for the outstanding grub-control program will be used for the DDT tests, since this drug, mixed with an oil base, is ideal for spray use.

Aside from the possible effect as a disease-control method, the killing of flies that attack cattle during the summer would mean an increase of untold thousands of pounds of beef from Kansas pastures, states Mr. Miller, because cattle hounded by flies and other insects cannot eat too well and, consequently, do not gain weight during that period.

The tests to be conducted here will try to determine how quickly DDT will kill the flies and how long the drug will stay on the animals and remain effective.

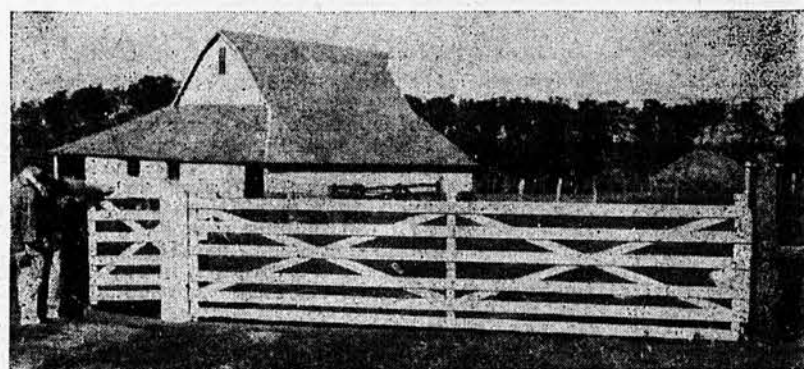
Getting the first test in Kansas was due largely to the success of the Kansas grub-control program, which has won national recognition.

First Aid

Paste a list of first-aid treatments on the inside of the medicine cabinet. In case of emergency, one can turn to the cabinet where both the necessary information and supplies for administering are at hand.—Mrs. L. H. M.

Fasten a magnet to a stick and pick up nails, wire and other metal objects on driveways and lawns.—E. M.

Little Gate Saves Time



A small gate built alongside the regular farm gate, doesn't cost much extra but saves lots of time and wear and tear on the main gate. This one, on the farm of Charles R. Gigstead, Atchison county, is being demonstrated by Clarence Vetter, county agent.



NOW, there's a corral Caruso who knows what he wants, and is willing to wait a spell to get it, if need be. Well, HEREFORD SADDLES are worth waiting for. Saddle-wise men design and build them to give you solid comfort and sturdy serviceability. HEREFORD SADDLES are finished by saddle craftsmen who know a rider wants his saddle to be good looking as well as rugged. It will be a little time yet before HEREFORD SADDLES will be plentiful again, but if you are down to riding the blanket, there's a chance that we may be able to supply one through your dealer.

GENUINE HEREFORD SADDLES HAVE BEEF HIDE COVERED TREES



Any man who rides a lot will feel like singing about this HEREFORD SADDLE. It's built for smooth riding on the roughest going. Angora hair girths, metal-bound stirrups, full, hand-laced throughout.

SADDLE DEALERS, NOTE

Texas Tanning and Manufacturing Company has been busy supplying the Armed Forces with saddles and other leather items. This production experience will increase our ability to fill your post-war saddle requirements. A market is being built... it will be ready and waiting.

Write Us Today



"Yokum" Means Fine Leather

by TexTan

MAKERS OF FAMOUS TEXAS RANGER BELTS

At Chicago Show

First entries from Kansas for the Chicago Market Fat Stock and Carlot Competition, to be held at the Chicago Stock Yards December 2 to 7, were made by Capt. Dan D. Casement, of Manhattan, and by the O'Bryan Ranch, near Hiattville.

The Casement entries consist of 3 carloads of Hereford steers, one of which will be shown in the carlot competition for plain-fed steers, the other 2 in the feeder cattle classes.

The unit of competition in this division of the show is a carload of cattle, sheep or swine.

The O'Bryan Ranch will exhibit in both the individual swine classes and in the carlot division, showing Hampshire barrows.

The Chicago market show has been held for the last 2 years during the same week that the International Live Stock Exposition formerly took place.

The International show was canceled for the duration of the war following the 1941 exposition.

All of the classes for steers, lambs, and barrows, both individually and in carload lots, which have been formerly featured at the International Live Stock Show have been retained in the substitute competition, as has the Junior Live Stock Feeding Contest for farm boys and girls.

The same prizes that were offered in the past in these classes at the International will apply to the market competition. The premiums are provided by the Union Stock Yards and Transit Company, operators of the Chicago market and sponsors of the show, and by the various livestock breed associations.

B. H. Heide, manager of the International Live Stock Exposition and in charge of entries for the market show, announces that entries for the individual classes closed November 1 and for the carload lots closed on November 25.

A Costly Dam

Farmers and farm organizations are vigorously opposing the proposed Tuttle creek reservoir above Manhattan which, it is claimed, would destroy property valued at 12 million dollars and mean an annual farm production loss of nearly 5 million dollars in the area affected.

Protesting the huge reservoir, members of a tricity committee pointed out that the dam would cost \$5,500,000 worth of land, \$1,500,000 worth of town homes, \$500,000 worth of business houses, an annual loss of \$1,100,000 worth of cattle, \$650,000 worth of hogs, \$6,000 worth of sheep, \$145,000 worth of chickens, \$300,000 worth of eggs, \$275,000 worth of hay, \$330,000 worth of wheat, \$75,000 worth of oats, \$165,000 worth of kafir, and 1 million dollars' worth of corn.

The committee proposed as a counter plan construction of smaller dams—one on the Big Blue river, north of Marysville; one on the Little Blue river, west of Waterville; and one on the Black Vermilion river, east of Frankfort.

Also recommended by the committee was completion of the Kanopolis, Kan., and Harlan, Nebr., and other proposed dams on the tributaries of the Kansas river and rely on these to control floods in the Kansas river valley.

Feed Fewer Lambs

Present indications are that the volume of lamb feeding in the 1944-45 season will be the smallest in 10 years. Shipments of feeder lambs into the 11 Corn Belt states, excluding Kansas, in October were about 15 per cent smaller than a year ago and the smallest for any October in 6 years. Reports from western states are that lamb feeding will be on a reduced scale from last year.

Due to abundant wheat pasture, shipments into Kansas during October were nearly 3 times those of last year, but below the record movement of 1942.

New Alfalfa Mill

Another large new industry for conversion of agricultural products was launched in Wichita recently when the Midwest Alfalfa Mills, Inc., obtained a state charter to operate a \$75,000 business. Clifford R. Clair, of Wichita, led the list of incorporators.



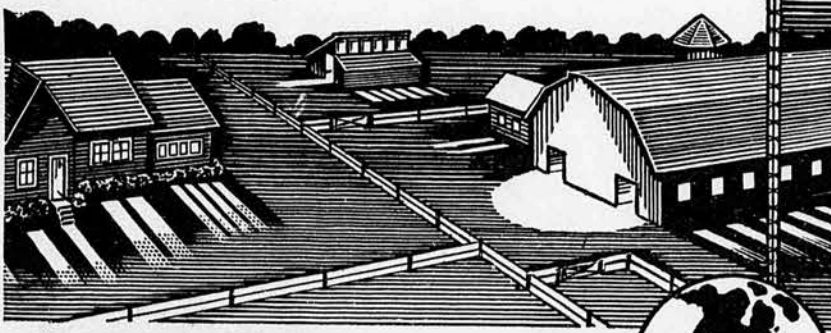
Today, when battle flags are flying, WINCHARGER EQUIPMENT is serving too.

On the farm labor front it helps relieve critical shortages by taking over numerous drudging tasks... saving hours of precious time. It can pump water. It can make milking so easy that a girl or woman can do the job in less time. It can separate the milk. It can save up to 1½ hours of chore time daily. It can serve as farm labor.

On the farm food front it can increase production of milk, meat and eggs. It can keep these foods in fresh and usable condition longer, avoiding needless waste.

FOR BETTER RURAL LIVING TOMORROW!

Yes—WINCHARGER EQUIPMENT is serving too. ... And, tomorrow when Peace is won it will continue its service. It will bring Electrification to Rural America. It will make it possible for thousands of American homes to have the comforts and conveniences of modern living. ... And, what's more, it will do its share to aid tomorrow's farmer to get more profit for many of the products he sells. WINCHARGER EQUIPMENT will serve Rural America both in War today—and in Peace tomorrow.



WINCHARGER RURAL ELECTRIC SYSTEMS

WINCHARGER CORPORATION SIOUX CITY, IOWA

The Family Farm

for

BETTER LIVING
BETTER FARMING
MORE PROFIT



Above—Lapping furrows uphill with 2-Way Pick-up Plow

AT Allis-Chalmers we believe in the farm as a way of life . . . in family-operated farms!

We are dedicated to the purpose of helping the American farmer become more independent, more successful . . . with home-owned and home-operated equipment that he can afford to buy, that he can operate at a profit, regardless of acreage.

Allis-Chalmers rubber-tired tractors and their companion tools and machines are designed, built and priced to attain this purpose.

Model C—First SELF-GREASING Tractor

Sealed Reservoir bearings end daily greasing . . . eliminate the grease gun. Hundreds of pounds of grease and hours of time are saved in the life of the tractor.

NEW BALANCED



CONTROL

Model C Hydraulically operated implements introduce "Balanced Control". Depth of penetration is exactly gauged. Planter and fertilizer attachments are in a compact, streamlined unit integral with cultivator.

ALLIS-CHALMERS

TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

New WC Tractor—Mounted Corn Harvester—Husks Like The Human Hand! Revolutionary new rubber roll and spring steel "fingers" closely duplicate the skill of a hand husker. Simpler—attached in a fraction of usual time.



Fits 4 Million Tractorless Farms—A complete power outfit priced within the reach of all family-size farms was first conceived by Allis-Chalmers. Model B Tractor with matched implements answers the dream of farmers still using horses or mules.



Build 100 Grade-A Milkhouses



This new grade-A milk barn on the farm of Richard and Raymond Scholz, Atchison county, is one of more than 100 new ones erected in the county recently due to development of a new Atchison and Kansas City milkshed. Built of cinder blocks, it is said to be good for absorbing moisture.

AN ENTIRE new milkshed is being developed in Atchison and Leavenworth counties thru the efforts of the Deercreek Creamery at Atchison, according to farmers and county agents in that area. Milk from the new milkshed is being picked up on the farms and taken to Atchison, where part of it is bottled or processed and the rest is retrucked to Kansas City.

More than 100 new grade-A milkhouses have been constructed in Atchison county alone during the last year or so, it is reported by Clarence Vetter, Atchison county farm agent.

Three Atchison county dairymen, typical of those in the new development, are Otto Kanning and Richard and Raymond Scholz. Until about a year ago Mr. Kanning was milking 10 or 12 Holsteins and selling cream. He went over to grade-A milk at that time, erecting a new grade-A house for the purpose and began building up his herd. Recently he purchased 3 of the best grade cows from the dispersal sale of the herd at the state prison farm at Lansing, and has a number of good heifers coming on. A new herd sire was

purchased from the Mrs. Berger & Son herd at Seneca. He plans soon to be milking 17 head.

Altho maintaining grade-A standards requires a little more cleaning up Mr. Kanning believes it is more profitable to sell whole milk, and less work when everything is considered, which is the only way to figure.

Richard Scholz, who has purebred Ayrshires, was milking only 7 cows and selling the cream before going to grade-A milk a year ago. His herd will be increased until he is milking 22. His new grade-A milk barn will handle 12 cows at a time and is constructed of cinder blocks as lumber was unobtainable. Mr. Scholz likes the cinder blocks as they absorb the moisture from the inside and keep the barn dry. Raymond Scholz, a partner in the business, now is a Pfc. in the medical corps in Italy.

Mr. Scholz likes selling grade-milk and believes it simplifies the job of handling his dairy program. Both the Kanning and Scholz herds are in the D. H. I. A. and have high production.

More About Vitamins

By CHARLES H. LERRIGO, M. D.

THIRTY-TWO years ago I was one of a group of doctors who watched the antics of some very sick or crazy pigeons. Really their condition was experimental—produced by a course of deficiency feeding. After a period of observation, doses of a substance extracted from rice hulls were administered. In a comparatively short time the pigeons were back to normal. It was one of the early demonstrations of the wonder-working vitamins which came into recognition in 1912. No one then supposed there were so many varieties that they would run thru the alphabet.

Nowadays there are few adult persons who have not taken vitamins thinking them medicines. Some find definite help. Yet I venture that where one is helped, there are 9 who throw their money away. How foolish for persons whose daily diet gives them all the vitamins they require to buy synthetic vitamin tablets or capsules! It is only when there are deficiencies in diet that vitamins help. But such deficiencies do occur. Think of the people who never drink milk, never eat salads. Any diet that omits milk and green vegetables will create a deficiency in vitamin A and thus invite colds, bleary eyes and sallow complexion. In young children who seem to flourish on cod-liver oil the improvement probably comes from the additional vitamins A and D which they get in that way. Innumerable persons need more of such vitamins as protection against colds.

Vitamin B is the most common deficiency. It is not in fats or oils but

comes from animal food, from seed leaves and tubers. A study of this vitamin has brought to light a B₁ and B₂ and numerous other divisions. Wheat, beans, fresh cabbage, tomatoes, spinach, lettuce, onions, peas, potatoes and bread and such meats as kidney and liver are especially rich in vitamin B. Some doctors routinely prescribe vitamin B compound for the so-called nervous patients who throng the waiting rooms. They may take it as a life-long routine, or they may have the pleasant experience of eating tastily but neglected foods to supply their deficiency. Taking vitamins will not "cure."



Dr. Lerrigo

Not Against Pills

My purpose is not to decry the purchase of vitamins. It is to call attention to the folly of spending money on vitamin compounds unless there is a deficiency that cannot be corrected by a balanced diet. Any ailing person who feels such a deficiency to be a possibility should consult a physician who will really study into the case. Avoid the one who adopts the easy routine of vitamin A for colds, B for nerves, for pep and energy, D for rheumatism. Get a real analysis of your case. Efficient correction may give you the happiness of a genuine cure. If a deficiency exists that demands synthetic vitamins, at least you should definitely know what you are taking and why.

Heads Sanitarians

Dr. Leslie Rowles, Topeka city inspector, was elected president of the Kansas Association of Milk Sanitarians at their meeting held at Manhattan November 16 and 17.

Others elected: Mrs. Doris V. Gundy, Wellington, vice-president; Howard Weindell, Lawrence, secretary-treasurer; and Dr. E. F. Kulp, McPherson, director.

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Smart stock-men have relied for years on soothing, effective Dr. Porter's Antiseptic Oil. It's soothing... tends to promote natural healing processes. Keep it on hand always for emergency use for minor cuts, burns, saddle galls, bruises, flesh wounds, and use only as directed. Ask your veterinarian about it... your druggist has it.

The GROVE LABORATORIES, INC.
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Makers of GROVE'S COLD TABLETS

Who Is Right?

(Continued from Page 6)

No real changes in either property or personal taxes are expected the coming year—some income taxpayers, including farmers, are going to feel hurt March 15 when they are reminded that in addition to "current" federal income taxes due, they also will owe one eighth of their 1943 income taxes to Uncle Sam. And the way the auditors in the Office of Internal Revenue are checking on mistakes in income tax returns really is something.

Net Income Lower

Net income to farm operators in 1945 probably will be 10 to 15 per cent less than this year, when the net income is expected to be about the same as 1943.

Comments the BAE:

"The amount of money available from current operations for farm family living in 1945, after payment of taxes, may not be as great as in either 1943 or 1944, but probably will be more than in 1942. Farmers will have a large amount of savings to draw upon. Bank deposits of farmers last January 1 of about \$6,500,000,000, were more than double the amount on January 1, 1929."

Domestic demand for meat is expected to be almost as high as in 1944. Meat production is to be about 2 billion pounds less than the 24½ billion pounds (dressed weight) this year, expected to continue in 1946 at the 1945 level. The 1935-39 output was about 16 billion pounds.

A New Beef Record

Total slaughter of cattle and calves this year will be 34 million head, a new record. Outlook for 1945 is for a larger number of grain-fed cattle slaughtered in the second half of 1945 than the second half of this year, with prices of better grade cattle dropping in 1945 as supplies increase.

A 119-billion pound milk output is expected in 1945, "if unit returns to dairy farmers, including production payments, are kept at 1944 levels. This would equal the 1942 record; about a billion pounds more than indicated for 1944. About one sixth of the total milk supply this year goes into noncivilian channels; demand will exceed supply in 1945.

Farm egg production in 1945 is expected to decline 8 to 12 per cent—WFA wishes it would decline even more. Prices received by farmers will be lower. "Heavy price declines are not anticipated," because of promised government support of prices. Turkey production in 1944 is close to 35,700,000 (one half billion pounds dressed weight) a new record. An increase in production likely in 1945, prices not expected to be much different.

Feed Supply Improved

Backed by 8 years of generally favorable weather for crops, feed supplies for 1945 look materially improved over 1944. About concentrates, BAE says:

"Total food concentrate supplies for 1944-45 will be somewhat smaller in volume than in 1943-44, but will be the third largest on record. This supply, on a per animal-unit basis, will be considerably larger than in 1943-44, and slightly larger than the average supply for the 5 crop years, 1933-42, when reserves were accumulated."

Domestic supplies of corn, oats, barley and grain sorghums (80 per cent of total feed supplies each year) are indicated to be 13 to 15 per cent larger per animal unit than 1943-44. Deficit producing areas will encounter less difficulty in obtaining feed supplies than in 1943-44, BAE opines.

"Locally produced feed grain supplies for 1944-45 are about 9 per cent smaller than a year earlier in the East North-Central states, slightly smaller in the Western states, about 2 per cent larger in the West North-Central South Atlantic and South Central states, almost 11 per cent larger in the North Atlantic region."

Quantity of wheat used for feed will depend largely upon government policies; probably little more than half as much as in 1943-44.

Supplies of high protein and other by-products feeds will be slightly larger in volume, and larger per animal unit, than a year earlier. Oilseed cake and meal supplies will be smaller; a larger supply of wheat millfeeds. Hay supply will be about 3 per cent smaller per unit to be fed.

Look Ahead...buy HIGH COMPRESSION

The most significant improvement in tractor design in many years has been the development of high compression engines, designed to operate on gasoline.

Starting with a few thousand tractors in 1936, the convenience, extra power and flexibility of high compression tractors have been so impressive that there has been a steadily increasing swing to high compression—and this swing will be much greater after the war.

Look ahead when you buy your next tractor—get high compression. Enjoy the advantages of easier starting, quicker warm-up, better idling. Get more work done in a day with less effort expended. Save money on oil by cutting down crankcase dilution.

Before you place your order, ask your dealer to demonstrate a high compression tractor for you, or refer you to a neighbor who has one.



NEXT BEST THING TO A NEW HIGH COMPRESSION TRACTOR—A POWER BOOSTER OVERHAUL FOR YOUR OLD ONE

Before you have your tractor overhauled this year, talk to your dealer about a *Power Booster Overhaul*. Due to the great demand there is a shortage of high compression replacement parts for certain models. See your dealer now so he can place his order early for necessary parts to give your tractor the added power of high compression.

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Buy All the War Bonds You Can

THIS to THAT

How To Remodel Old Furniture

By Florence McKinney

IT IS one thing to treasure old furniture that has sentimental or historical value, but it's something else to live with a collection of furniture about the house that was none too good in the first place and which has long ago outlived the fashion of the day. The type pictured on the left is usually found to be made of wood of little value and the style indicates it is not old enough to be antique and it positively begs to be revived.

To those of you who are furnishing rooms for the first time, farm sales and secondhand stores will be gold mines, for this is the type of furniture which usually can be found. As for the outmoded bed, merely saw the top off at the best-looking place and the foot as well, remembering that a bed without a foot at all is one of the latest models. The bed will look the better for having all or most of the gewgaws removed. Since the wood is not valuable in itself, paint or lacquer in a light color to match or contrast pleasingly with the other furnishings. This naturally requires that the dresser or bureau and chair be included in the paint job. No number one paint job can be done unless all old varnish and paint are removed and the wood sanded and painted thoroughly.

Modernize the Bureau

The bureau modeled next, sometimes comes in walnut and if so, remodel but finish in its natural color so that it can take its rightful place along with the other hardwood pieces. This bureau is found in many homes and in most cases has outlived its original purpose. The back porch or the washhouse is the spot where it usually spends its last days. Take off the upright arms and crossbar and the swinging door and if made of nondescript wood, paint to match the other furnishings. This change allows a wider use for the bureau and it gives a modern touch that will be admired. The open corner will make a small but attractive bookcase for those books and magazines on the list for night reading.

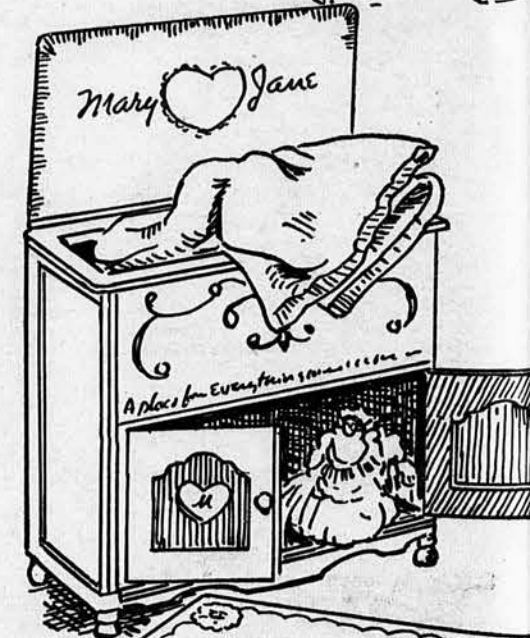
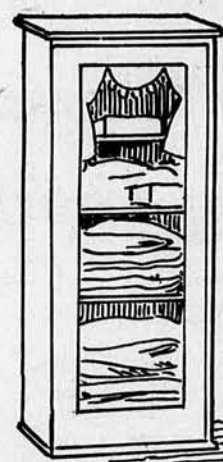
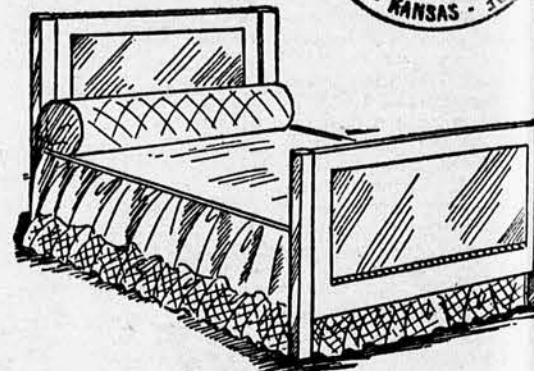
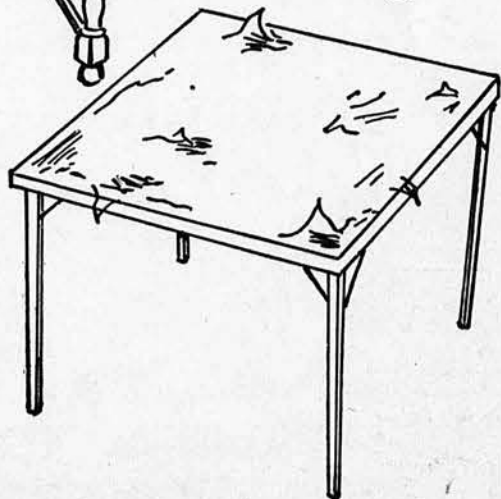
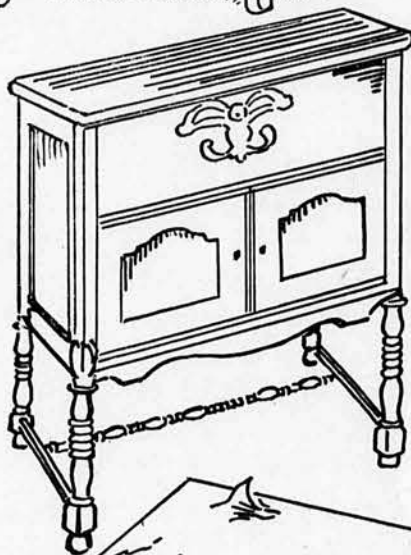
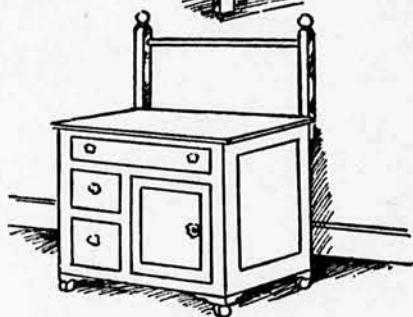
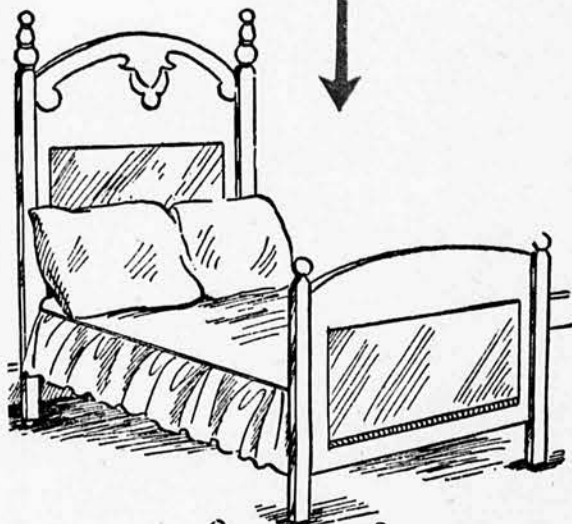
The old-fashioned bookcase-desk combination was all right in its day but is scarcely a thing of grace and beauty today. Doesn't the idea of making it into 3 more useful and certainly more beautiful articles intrigue you? To give it a chance to serve a triple purpose requires more imagination than skill. Divide it in half vertically and remove the mirror from above the desk section and use each piece individually. The old bookcase section can be used for linens, for books in a bedroom or for a dining-room piece. The desk section can be given a modern air by changing the line at the bottom, applying some light, perhaps even gay paint or enamel with some contrasting color applied on the sides and knobs.

From Radio to Chest

Some of us own and all of us remember the "old timey" radio with the big cabinet shown at the left. Long ago it was supplanted by the modern one because improvements came rapidly. The old one may be taking up needed space—its use these days is doubtful. If remodeled a bit it will make a lovely toy or linen cabinet. Build it so that the whole top lifts like a chest and see whether you don't find it a perfect storage spot for sheets and pillow cases. Again, it might be used in a child's bedroom for toys in the bottom section and bed linens in the top. The swinging doors on the lower half can be decorated with contrasting colors—it leaves a great chance for originality.

Every child needs a table and chair just his size and an old discarded one with the legs cut off to suit the first-grader's height will surely delight him. Try painting the top with a pastel paint or lacquer, then with a contrasting color make it Johnny's very own by painting his name across the middle. He will be delighted and the effort might result in increased interest in home work.

Isn't the change miraculous? Far be it from us to advise painting good old solid walnut but some of the less valuable woods, yes. And all with little expense, little skill but imagination no end. Perhaps your house offers other unsightly but challenging pieces of the gay nineties era.



Dickinson County Women

Interested in Money Management

HOME management leaders from the 20 home economics Extension clubs of Dickinson county met recently in two meetings conducted by Gladys Myers, home management specialist of the Kansas State College Extension service. The first group met at Chapman and the second at Abilene. The complications of the Federal income tax reports have strengthened the already existing interest in budgeting and planning among farm women. They met to learn about money management, record keeping and the new features of the Federal income tax forms. The 23 members from Dickinson county will carry the lesson back to their clubs as planned in the year's program of work.

Money management is a part of the year's course of study in a large group of Extension clubs in the state. Miss Myers pointed out that budgeting puts money in its place and is entirely apart from record-keeping which shows for what the income was spent. Families who set goals for themselves, wisely include in their long-time plans a program of saving and investing. They recognize that some of the goals can be attained only if they have accumulated financial reserves upon which they can draw. Ownership of a farm or college educations for the children are more likely to be realized if the goal is established sufficiently early and maintained thru the years.

Each family must decide whether savings should go into government bonds, equity in land, insurance or other investments. Choices in investments must be made if goals are to be realized. These were only a few of the financial matters discussed at the Dickinson county meetings. The women agreed that it was advantageous and efficient for the cream and egg money to be spent for current living expenses, a time-honored rural custom. Home production of vegetables, fruits, dairy products and meat reduces the cash expenditures for family living up to 75 per cent. Miss Myers said that official conservative estimates show that the minimum cash value of a garden is \$25 for each member, \$125 for a family of five.

It was agreed that large, unusual expenses, big medical bills, a new baby, high school graduation, a wed-

ding and college expenses must be planned for. The Blue Cross plan has proved popular with farm families and the Abilene group expressed approval. It is expected that the new group medical plan proposed by the Kansas Medical Society will be accepted now that farmers are acquainted with the Blue Cross. For emergency expenses the women said it was common practice to undertake an additional project which produced income quickly, such as a turkey project, custom work, rug making, even making wool comforters.

Those attending the Chapman meeting were Mrs. John Buhnke, Junction City; Mrs. Dorven Hummel, Woodbine; Mrs. Harry Eaglen, Chapman; Mrs. Sam Sherer, Chapman; Mrs. Sam Gfeller, Junction City; Mrs. Walter Wilkins, Mrs. Jennie Stoecker and Mrs. Ed Altwegg, of Chapman.

Attending the Abilene training school were Mrs. Clarence Meier, Mrs. Ed Whitley, Mrs. E. L. Blaesi, Mrs. Harvey Bross, Mrs. Lawrence Clemence, Mrs. Alvie Rader, Mrs. Glenn Snyder and Mrs. Charles Wilson, all of Abilene; Mrs. Sam Boller and Mrs. Leslie Fenn, of Manchester; Mrs. Phil Schwarz and Mrs. Oliver Miller, of Solomon; Mrs. Bert Waterstradt, Detroit; Mrs. David McMahan and Mrs. Howard Schuster, of Hope.

Apricot Sherbet

For a party or Sunday dinner we suggest this:

- | | |
|------------------------------------|-------------|
| 1 can apricot nectar (1½ size can) | 1 orange |
| 1 lemon | 1 banana |
| | ½ cup sugar |
| | ½ cup water |

Mash the banana with fork and mix with the other ingredients. Stir well and freeze in refrigerator tray, stirring several times during the freezing process. This also can be made in mechanical ice-cream freezer. It can be varied by using any one of many fruit juices.

Brownies

A holiday treat or a lunch-box treat—it's either, and easily made, too.

- | | |
|----------------------------------|--------------------------|
| 2 eggs | ½ cup flour |
| 1 cup sugar | ½ teaspoon baking powder |
| 2½ squares unsweetened chocolate | ½ teaspoon salt |
| ½ cup shortening | ½ teaspoon vanilla |
| | 1 cup nutmeats |

Beat eggs until thick and frothy; beat in sugar. Melt chocolate and shortening together over hot water. Add the first mixture. Add flour sifted with baking powder and salt. Add vanilla and nuts. Spread thinly in greased shallow pan and bake in moderate oven—325° F.—for 30 minutes. Cut into 2-inch squares.

Wash Walnuts

When getting walnuts ready for winter use, try washing them. Gather nuts and spread them on a clean or grassy place to dry. Before the hulls get too dry, they hull best while a little green, break the hulls away from them, put them in a large can or tub, then take an old broom, stir them around. Repeat if they do not come clean in first washing. Pour nuts out on a dry place to finish drying before storing them away. They will be just like the nuts bought in the store at Christmas time.—Mrs. C. C.

Aluminum Care

I find my aluminum kettles last longer if I rinse them as soon as they are emptied, especially if they contained acid foods. The acid of fruits and tomatoes eats the aluminum and will do a great deal of damage in an hour's time.—Mrs. C. D.

19 Lunch Menus

We have 1,000 leaflets, School Lunch Menus, which we shall send free to readers upon request to Farm Service Editor, Kansas Farmer, Topeka. Recipes for hot and cold dishes are given, as well as 19 menus. Your order will be given prompt attention.

Fun in Felt



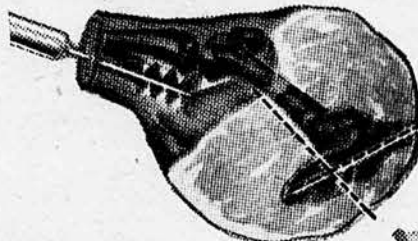
Make this winter the gayest ever—for accessories! Get out those old felt hats, cut them up into beanies, belts, lapel ornaments, slippers. You'll have lots of fun making them. Instructions 706 contain patterns of all pieces, and directions for the articles shown.

This pattern, together with a needlework pattern of useful and decorative motifs for linens and garments, will come for 15 cents.

Order pattern 706 by writing Fashion Editor, Kansas Farmer, Topeka.

Here's How to Get a Safe Cure, Fine Flavor and Long-Keeping Quality

Morton Way



FIRST...

Dissolve Morton's Tender-Quick in water to make a rich, fast-acting curing pickle. Pump this pickle into shoulders and hams along the bones. This starts the cure INSIDE—prevents bone-taint.

THEN...

Rub with Morton's Sugar-Cure. This complete sugar curing salt strikes in from the OUTSIDE—gives a thorough cure and rich wood-smoke flavor. Morton's Tender-Quick and Sugar-Cure, used together, give results you can get in no other way.



OFF-FLAVOR in meat begins at the bone... hence its name, bone-taint. The safest cure, obviously, is one that likewise starts at the bone... that stops bone-taint before it even gets a chance to start. This is exactly what happens when you cure the Morton Way.

Morton's Tender-Quick, dissolved in water, makes a fast-acting curing pickle. Pumped into the meat along the bones, it immediately starts the cure inside.

Then, rub the outside of your hams, shoulders, and bacon with Morton's Sugar-Cure. This strikes in, curing toward the center and gives your meat a real old-fashioned smoke flavor.

The result of this two-way Morton cure—Tender-Quick working from the inside out, and Sugar-Cure from the outside in—is the best-tasting, best-keeping meat you've ever had... uniformly cured from rind to bone... no off-flavor... no bone-taint... no waste.

Year after year, more than a million farm families use this easier, simpler, positive Morton Way. You'll like it, too.

Cure Meat the Safe, Sure... Morton Way

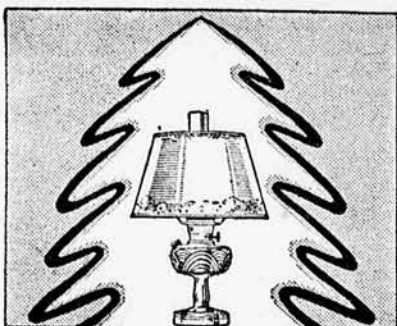


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More than 200 pictures, charts, diagrams—complete directions on how to butcher, cure, make sausage, Canadian Bacon, corned beef, smoked turkey, and other meat specialties. Write today—send 10¢ in coin.



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Chicago, Illinois



Aladdin Lamps Keep giving for years

The Aladdin Lamp not only makes a beautiful and thoughtful gift but it *cheers up* the home and protects the entire family's vision against eye-strain from reading, studying and sewing under dim, yellow light.

Modern Light at Modest Cost

Aladdin gives as much as 50 hours of beautiful white light on 1 gallon of kerosene (coal oil)—that's a low fuel cost of about a penny a night—for light that's unsurpassed by electricity for steadiness and whiteness. Simple and safe. No pumping, noise, odor.

An Ideal "Family Gift"

Often two or more "chip in" to give Aladdin to mother... or to the home. See your Aladdin Dealer early, for available Aladdins and colorful, long-life, Whip-o-Lite shades. It takes only a little money and care to keep Aladdin at top efficiency for years and years.

MANTLE LAMP COMPANY
Chicago 6, Illinois

Aladdin
...Mantle Lamp...



The Story of the Capper Foundation

tells of crippled children made whole! Of sad parents made happy! It tells how you may help in this expanding program of healing. Write for your free copy of the story today.

THE CAPPER FOUNDATION
for CRIPPLED CHILDREN
Capper Building : Topeka, Kansas

Handicraft Is Fun

NINETEEN of the 20 Extension clubs of Dickinson county are studying handicraft this fall. Several months ago Mrs. W. N. Wilkins, who lives near Chapman, and who has long been interested in applied design and art, went to Manhattan with other women from over the state to take a short course on the subject from Mary Eck Holland, of the art department at Kansas State College. Following her return to the county Mrs. Wilkins conducted a 6-day course for 42 Dickinson county farm women. As a result of this sifting down from the top, the 19 clubs took over the handicraft project.

To see these women at work making designs for color stencils, and weaving baskets of braided cornhusks is to learn that to them handicraft is fun and relaxation. They like it so well they hint at meeting more often than the regular schedule in order to work together at their designs.

The Grant club met early in November at the home of Mrs. George Larson, near Abilene, and under the tutelage of Mrs. E. A. Herr and Mrs. J. E. Griffith, who learned the techniques from Mrs. Wilkins, the members busied themselves making original designs for colored stencil work. After creating the designs, they applied them with textile paint to luncheon cloths and napkins, dish towels and buffet sets. In the future they plan to graduate to draperies, curtains, hand towels and perhaps bedspreads. Mrs. Wilkins stressed to them the importance of simplicity both of design and color. She included in the 6-day school, lessons in applied design for block printing, weaving and pottery work with native clay. Some members of the Grant club already have delved into weaving baskets using braided cornhusks. Those present for the day at the Larson home were Mrs. Ed. Blaesi, Mrs. P. A. Schneider, Mrs. Russell Huston, Mrs. William Moore, Mrs. Wesley Shirk and the two handicraft leaders.

Mrs. Wilkins enjoys a wide variety of handwork that is creative and most of it is made from native materials. She makes baskets from the smallest stems of the weeping willow and the Indian willow. She has nut cups made

from tiny braids of cornhusks, table mats made from the shiny golden oats straw woven together with colored string. She displayed long, graceful stems of bluestem and slough grass which she contemplates using for place mats. The leaf stems from the cattail and wire grass show possibilities.

Handicraft has value in the present conception of occupational therapy says Mrs. Wilkins, and it is creative, relaxing and best of all just fun.

Make Fabric Bag



Real leather handbags are almost nonexistent and as a result the store counters display attractive substitutes made of fabric. Heavy, uneven-threaded wool or cotton or combinations of the two are often combined with grosgrain ribbon or cording to make most attractive bags. A round drawstring bag like the one illustrated is ideal. The test of the usefulness of a handbag is to find how easy it is to locate any one of the contents quickly. Fumbling around in a handbag that is too narrow at the top, or too deep is a nuisance to a busy shopper and to busy salesgirls. The pattern for this one gives detailed directions for making and will come to you for 5 cents. Write Woman's Editor, Kansas Farmer, Topeka.

Walnut Time Is Here

Black walnuts, plentiful in parts of the state, need prompt gathering and hulling as soon as they are ripe. Usually the whole crop on the tree ripens at the same time and the job of picking and hulling can be completed in one process. A handpower corn sheller can be used for hulling, but rolling them underfoot on the ground also will remove the hulls easily. Since the hulls stain the shell and even the nutmeats if allowed to get wet and remain on the outside, it is best to dump the hulled nuts into a tub of water and churn with a broom until clean. Then spread all the nuts on the floor in a well-ventilated room or loft to dry and cure before cracking. Stir frequently if they are piled up.

There is to be a big crop of all kinds of nuts this fall and one point worth the cook's consideration is the large amount of fat in most nuts. Black walnuts are more than 50 per cent fat and pecans more than 70 per cent. In making pie crust, for instance, finely ground nuts can be used to replace about one half the fat. This nut pastry is especially delicious with cream or custard.

If you wish to add to the richness of poultry stuffing, biscuits, waffles, cake or cookies, add about one fourth to one half cup of nuts which have been cut up but not ground. Add them either to the dry ingredients or the batter. You may have noticed in baking that nuts absorb moisture and sometimes make the batter too dry. To prevent this, soak the nuts in boiling water a few minutes before adding to the mixture.

Nut Bread

For sandwich variety in the school lunch make nut bread by the following simple recipe:

4 cups white flour	½ cup black wal-
½ cup sugar	nuts, chopped
1 teaspoon salt	2 cups milk
3 teaspoons bak-	3 tablespoons
ing powder	melted fat
	2 eggs

Sift together the flour, sugar, salt and baking powder. Add the nuts. Beat

the eggs well and add milk and fat. Combine mixtures and stir well. Pour into greased pans and bake in a moderate oven (350° to 375° F.) for 45 minutes. This recipe may be varied by using brown sugar instead of white and 2 cups whole-wheat flour and 2 cups of white and add 1 cup of chopped dried fruits.

Black Walnut Spice Cake

Black walnut spice cake, baked either in cup cakes or in layers, is one way to please the family and at the same time use a home-grown product.

1 cup black wal-	1 tablespoon bak-
nuts, broken	ing powder
½ cup fat	½ teaspoon cinna-
2 cups brown	mon
sugar	½ teaspoon nutmeg
3 eggs	½ teaspoon ground
3 cups sifted flour	cloves
½ teaspoon salt	¼ cup milk

Place the nuts in boiling water a few minutes to absorb some moisture. Drain. Cream fat and sugar. Add well-beaten egg yolks. Sift together the dry ingredients and add alternately with milk to the first mixture. Add nuts. Fold in beaten egg whites. Bake either in greased muffin tins or in 3-layer cake pans in a moderate oven (350° F.) for about 20 minutes or until lightly browned.

Nuts! Nuts to You

In some states boys and girls have nut-gathering parties. Some places they find hickory nuts and the woods are full of walnuts in others. Regardless of where you live, see whether you can find the names of 6 common American nuts hidden in these scrambled letters.

1. korychi	4. napec
2. tutesch	5. lahez
3. kcalb talunw	6. tuntertub

Answers to Nut Game

1, hickory. 2, chestnut. 3, black walnut. 4, pecan. 5, hazel. 6, butternut.

Felt Stove Wick

When the oilstove wicks are gone, I make new ones or lengthen old wicks by using a piece of old felt from a hat or lampwick cutting about the width of the clamp at the bottom of carrier. The clamp may be pried back with a knife and the felt inserted. Then place the upper part of wick down to meet the felt and clamp down. The result is a wick that will last almost as long as a new one and save money and perhaps a trip to town.—Mrs. C. D.

This Home-Mixed Cough Syrup Is Most Effective

Easily Mixed. Needs No Cooking.

Cough medicines usually contain a large quantity of plain syrup—a good ingredient, but one which you can easily make at home. Take 2 cups of granulated sugar and 1 cup of water, and stir a few moments until dissolved. No cooking! No trouble at all. Or you can use corn syrup or liquid honey, instead of sugar syrup.

Then get from your druggist 2½ ounces of Pinex, pour it into a pint bottle, and add your syrup. This gives you a full pint of truly wonderful medicine for coughs due to colds. It makes a real saving for you, because it gives you about four times as much for your money. It lasts a long time, never spoils, and children love it.

This is actually a surprisingly effective, quick-acting cough medicine. Promptly, you feel it taking hold. It loosens the phlegm, soothes the irritated membranes and makes breathing easy. You've never seen anything better for prompt and pleasing results.

Pinex is a special compound of proven ingredients, in concentrated form, a most reliable, soothing agent for throat and bronchial membranes. Money refunded if it doesn't please you in every way.

MEAT CURED EASILY QUICKLY

Given Old Time Wood Smoke Flavor

Cure in brine made from Wright's Ham Pickle and salt. After curing, let dry 10 days, then apply two coats Wright's Condensed Smoke. That's all. Wright's Ham Pickle cures meat thoroughly. Wright's Smoke, made from choice hardwoods, gives finest flavor for smoking, barbecuing. Dealers everywhere.

FREE 36-page booklet: butchering and meat curing information, recipes, etc. Free at dealers or write direct—today.

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WRIGHT'S HAM PICKLE
★ for Sugar Curing ★

WRIGHT'S Condensed SMOKE
for Smoking and Barbecuing

MY PIN-UP GIRL CAN COOK!

JIM: Where'd I find me another mom who could make rolls fit for the Admiral's taste?

MOM: Oh, it's easy to make these Speedy Wheat Rolls! So I'd have more time with you, I tried a new, quick recipe with Fleischmann's Yeast... which puts in extra vitamins.

SEE! IT SAYS THAT FLEISCHMANN'S IS THE ONLY YEAST FOR BAKING WITH ADDED AMOUNTS OF VITAMINS A AND D, AS WELL AS THE VITAMIN B COMPLEX

I'M FREE! SEND FOR ME. FLEISCHMANN'S NEW EDITION OF THE FAMOUS "BREAD BASKET" ... 40-PAGE BOOK OF OVER 70 RECIPES, REVISED FOR WARTIME. CHOCK-FULL OF WONDERFUL NEW ROLLS, BREADS, DESSERT BREADS. HURRY...SEND TODAY!

For your free copy, write Standard Brands Inc., Grand Central Annex, Box 477, New York 17, N. Y.

All those vitamins go right into your rolls with no great loss in the oven. Be sure to use Fleischmann's Yeast with the yellow label! A week's supply keeps in the ice-box.



Ask School Changes

A proposed sweeping reorganization of the Kansas school system will be presented to the next session of the state legislature, following approval by the State Legislative Council of a proposed bill that has been under study for 2 years.

The school bill would establish re-

organization committees in each county, give them 4 years to consolidate and modernize their elementary school plans, and would set up a division of school reorganization within the state department of education.

One of the main purposes of the bill will be to bring some 120 million dollars' worth of property now escaping school taxation into the picture to bolster school funds.

High school revision would repeal the Barnes law, the tuition law, and the community high school law. For them would be substituted a uniform system without uniform application.

Nearly 40 Kansas high schools are said to have closed in the last 2 years because of insufficient students, lack of funds, or ability to hire teachers of suitable qualifications. The proposed bill would eliminate differences in tuition across county lines.

County-wide 2-mill taxes on all taxable property would be levied as part of the program to bring all property into the school financing scheme.

Kansas Has Chance

"I've raised my sights for Kansas," W. E. Long, Kansas Industrial Development Commission director, said after his return from a clinic of the Society of Plastics Industry at New York.

"That plastics exhibit at the Kansas Free Fair in Topeka last summer was wonderful," he said, "but the New York exhibit topped anything I'd seen. Never had any idea the field has so many possibilities."

Kansas agricultural and mineral resources can be used by the industry, Long said, perhaps principally for filler. But he is thinking of "playing both sides of the street."

"If we can turn Kansas products into plastics," he said, "it will give us new markets. In addition, plastics factories in this state are feasible. As a matter of fact, one industrialist contacted me with a view of opening here. Eastern people especially like our labor setup."

In addition to a multitude of war uses, Long discovered, plastics have been adapted to innumerable household appliances.

For future reference, he obtained a list of all plastics executives in the country. He indicated they will be given an opportunity to learn all about Kansas possibilities.

That Late Cutting

How late can you cut alfalfa in the fall without doing damage to the stand? I know it is late to ask this question now, but we had an argument about it and wish to know the latest about this.—G. H.

Our recommendations for fall cutting of alfalfa have not been changed. It is important that the fall growth be left on in order to build up food reserves in the roots, which is a process of hardening to cold.

If your crop is mature at about the time freezes may occur, stopping all growth, the crop can be safely cut and you will still have high food reserves. The difficulty comes from the fact that many farmers will have half a crop that is nice, green, succulent material. They hate to lose this good hay and do not realize that this growth is there at the expense of the reserves stored in the roots from the previous crop, and in order to build them back up it is necessary to leave this on until late in the fall. Neither do they realize that by leaving this growth on they will increase the yield of the first crop the next spring, which will largely compensate them for what hay they lose by not cutting off the fall growth.—C. O. Grandfield, Kansas State College.

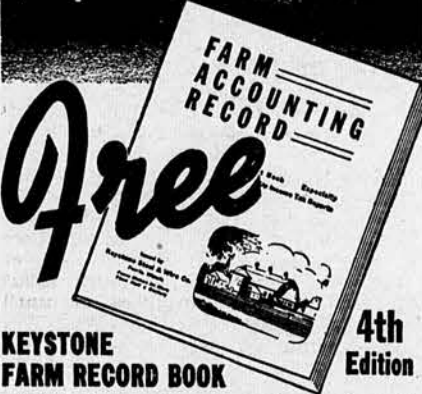
Yost Is Elected

T. F. Yost, Kansas state weed supervisor, was elected president of the North Central States Weed Control conference, at Omaha, November 17. Delegates to the Midwest meeting made the conference a permanent organization.

Annual Meet in February

George W. Kinkead, secretary of the Kansas State Horticultural Society, has announced that the annual meeting will be held in conjunction with Farm and Home week at Manhattan on Thursday and Friday, February 8 and 9.

The EASY Way to Keep Your Farm Records



KEYSTONE FARM RECORD BOOK

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The favorite record book of thousands of farmers for the past 3 years. Easily kept, yet complete. Especially designed for helping prepare your income tax report. Also very useful when dealing with banks and government agencies. Can help improve farm operations, too.

Prepared by expert accountants; recommended by county agents & other farm authorities.

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Good-tasting Scott's Emulsion contains natural A & D Vitamins often needed to help build stamina and resistance to colds and minor ills. Helps build strong bones and sound teeth, too! Give good-tasting Scott's daily, the year-round!

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Try SCOTT'S EMULSION
Great Year-Round Tonic

DEAF?

If you suffer from hard of hearing and head noises, caused by catarrh of the head write us NOW for proof of the good results our simple home treatment has accomplished for a great many people. Many past 70 report hearing fine and head noises gone. Nothing to wear—no one need know—Send today for proof and 30 days trial offer. No obligations. THE ELMO CO., Dept. 450, Davenport, Iowa

STAMMER?

This new 128-page book, "Stammering, Its Cause and Correction," describes the Bogue Unit Method for scientific correction of stammering and stuttering—successful for 43 years. Benj. N. Bogue, Dept. 3711, Circle Tower, Indianapolis 4, Ind.

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Warm, dry feet are important on your job. Not only does rubber footwear give you greater comfort in cold, wet weather while working, it also helps protect your health and your leather shoes. Consider your rubber footwear as a valuable "tool" which you need to do your work efficiently... take care of it, protect it, and it will give you longer service.

FOLLOW THESE SIMPLE STEPS

1. Keep the rubber clean... wipe off any oil or grease promptly.
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3. Dry out slowly... away from stoves, fireplaces, or registers.
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BALL-BAND FOOTWEAR

RUBBER—LEATHER—FABRIC—KNITTED & FELT

BUY MORE WAR BONDS



How About Machinery Supply?

By ROBERT A. JONES
Farm Equipment Institute

ALTHO necessarily inexact, today's war news serves as a measure of tomorrow's farm-supply news. All factors governing next year's available stock of farm equipment tie into what's happening east and west overseas.

As the Allied squeeze approaches and crosses the enemy lines the long-term outlook for available farm equipment brightens, altho the immediate effect may be to make a complicated situation more tangled.

Because of acute shortage of manpower in farm machinery plants and regulations precluding hiring additional help in certain critical labor areas; shortage of component parts or material needed by the military serv-

ices, there seems little probability that the industry could immediately increase farm equipment output even if the War Production Board were to raise manufacturing quotas tomorrow, or eliminate production controls entirely.

It takes time to procure materials. Orders entered now with suppliers cannot be filled for months in some instances. Also, it takes time to produce, after materials are received. Furthermore, as every farmer knows only too well, the machines must be available when he needs them. In the past, some of the WPB authorizations for increased quotas were delayed so long that manufacturers didn't have sufficient time to produce the goods in season. There would be little point, for example, in increasing quotas on planting equipment if farmers already were in the field.

Nevertheless, as our fleets, planes and ground troops advance against the enemy, American farmers may expect some of their own domestic supply lines to strengthen, altho with more actual effect likely in 1946 than 1945.

Even so, manufacturers are doing better than a good job of current production. For instance, at the end of their last fiscal year, June 30, plus a month of grace on a group of special items to August 1, they had reached within a small fraction of the stiff schedule set for complete machines.

Considering the handicaps, known and not so generally known, that is a wartime achievement of the first order. A well-repaired implement these days, plainly, is almost as good as a new implement. Just as plainly, an implement in hand is better than an implement "on the way," especially if its season of use is about to begin. Delay, from whatever cause, can endanger or destroy the result of the farmer's every cropping effort.

Familiar with the multiplication of such touch-and-go crises over long years that covered one World War and part of another, the farm equipment industry, working with the War Food Administration, which determines the quantities of equipment to be produced, and the War Production Board, which allocates the material, has striven mightily to maintain the necessary flow of repair parts so that the machines already on farms may work.

Production of parts was stepped up to a volume far beyond normal. The schedule had to be high. Yet, despite manpower, material and other shortages, parts production in the fiscal

period strongly buttressed the over-all achievement. These parts alone will be a vast factor in the maintenance of adequate farm production in 1945.

War Still to Be Won

Some cutback on production for military use no doubt would follow the conquest of Germany. But if it came tomorrow, few could say how soon farmers could get all the implements they need.

An end run around the northern flank of the Siegfried Line, or a breakthrough, might hasten the approach of V-E Day, particularly if the Russians at the same time were able to plunge across the flat lands between their Eastern offensive and Berlin.

But all this, interesting as it is, lies on the speculative side; besides, we would still be left with that other big war yet to be won.

Neither the optimist nor the pessimist is a reliable guide to the state of the farm equipment supply next year. Facts and events as they unfold are to be trusted, only after verification. Yes, even an apparent fact demands cool examination.

For instance, consider the fact that rationing of all farm equipment except corn-pickers was ordered lifted as of midnight, September 27. In effect, that fact means merely that rationing, or its equivalent, transferred responsibility from the local rationing authorities to the implement dealer. The available quantity of equipment remained the same. It is the dealer who will funnel the supply to the point of greatest need. By disposition and experience he is equipped to do the job with complete competence. The dealer and the farmer in consultation must use their best judgment.

As to the supply for next year, the Office of Materials and Facilities of the War Food Administration, in a recent release, stated that "the over-all quantity of new farm machinery and equipment now authorized for production and expected to be available for the 1945 crop season, is approximately the same as has been produced in 1944. This is also about the same quantity as was produced in 1940."

Care of Tools

When putting away our garden tools for the winter, I give the handle of each tool a coat of orange paint, as that color shows up much plainer than any other among grass and flowers, and prevents loss of time hunting for tools. Next, I give the metal part of each tool a good coat of grease, just as the thrifty farmer does his plow. The tools are then hung in a clean, dry place and are ready for the next spring's work.—Mrs. O. C.

At Last Sue Hears Mother's Voice

By J. M. PARKS

Secretary, The Capper Foundation for Crippled Children

NO WONDER Sue smiles! Born deaf, or virtually so, she never in all her 9 years knew the sound of her mother's voice until The Capper Foundation for Crippled Children made hearing possible for her.

Not even the camera could hold Sue's interest. She turned away quickly to smile at Mother when she spoke just as the picture was made.

And was the mother happy, too! You may judge from her own words: "Last Saturday Sue came in from her play with tears in her eyes. She threw her arms around my neck and said, 'Oh, Mother, I'm so happy I can hear!' It was one of the happiest moments of our lives. I shall never forget it. I have waited months for that very sentence!"

Handicapped by deafness, Sue had been unable to keep up with her classmates in school. Now that she can hear what the teacher says, she will be able to advance with the other pupils. She can take her part in all activities like other normal children.

Sue is only one of many handicapped children whom The Capper Foundation, thru the generous contributions of friends, has helped to take their rightful places in life. While Sue is catching up with her hearing and learning the use of speech, William is being treated for clubfoot, Gerald for bowlegs, Dora Lee for crossed eyes, George for harelip, Arthur for organic deformity, Jeanette for infantile paralysis, Billye June for osteomyelitis, Keith for dislocation of hip and many others for different handicaps. A new



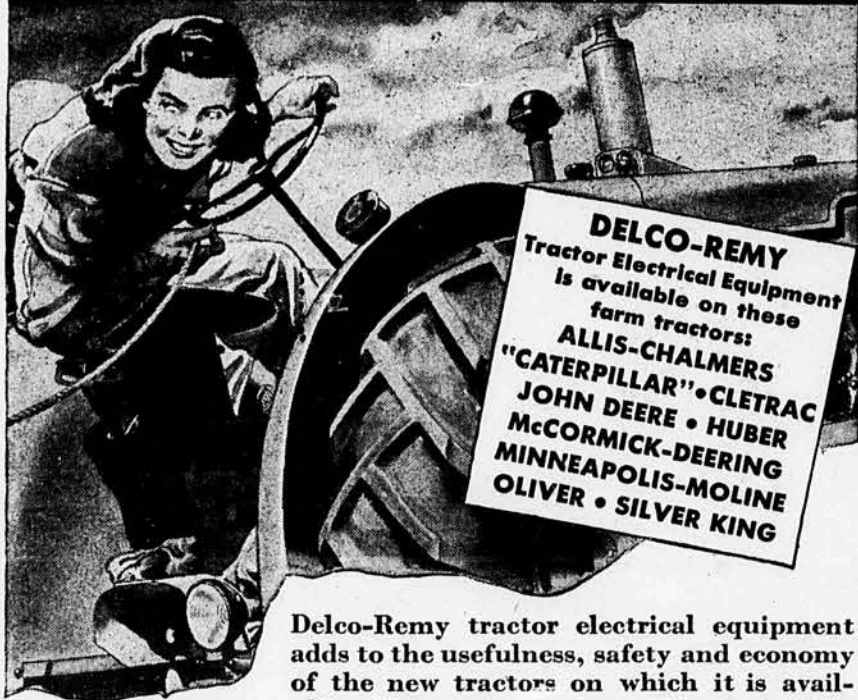
Now Sue Can Hear.

world is being opened up for all of these little ones who had a bad start.

This has been a year of big accomplishments for The Capper Foundation. The possibilities for the future are limited only by the generosity of the people. The holiday contributions are now coming in. Many old friends and new ones will remember the crippled children by gifts large and small. Your help will be appreciated. Address your offering to The Capper Foundation for Crippled Children, Capper Building, Topeka, Kan.

Be sure
your new tractor is *complete*
with

Delco-Remy
TRACTOR ELECTRICAL EQUIPMENT



Delco-Remy tractor electrical equipment adds to the usefulness, safety and economy of the new tractors on which it is available. The starting motor eliminates the inconvenience of hand-cranking, and the output-regulated generator provides ample current for tractor lights.

With farm help scarce and farm quotas high, it is more important than ever to have the advantages of Delco-Remy electrical equipment on your tractor. Lights lengthen the workday, the starting motor cuts out delays—and both help you get more work done. Keep in mind, too, that electric starting saves gas, since there is no reason to leave the engine running during work stoppages.

Delco-Remy tractor electrical equipment is supplied through the tractor manufacturer. Delco batteries and Delco-Remy parts and service can be obtained through tractor dealers and United Motors Service stations.



DELCO BATTERIES for CARS, TRUCKS, TRACTORS



Delco batteries are known everywhere for long life, for sure starting power in sub-zero weather and for sturdy construction. They are available in the right size and type for your car, truck or tractor. To conserve materials, take good care of your present battery; and when you must replace, replace with a Delco.



Delco-Remy ★ Pioneer Manufacturer of Tractor Electrical Equipment

GIVE YOUR CHICKS THE RIGHT START

To bring them through the frail, first month period, and to build them into sturdy, meaty, egg producers, it is imperative that they have all the pure calcium carbonate they need.

The kind that is easily assimilated and can only be had from pure, clean, chick size crushed Oyster Shell.

Pilot Brand Oyster Shell is 99% pure calcium carbonate.

They must have it to grow and be their best.



Look for the bag with the big blue pilot wheel on it. At all progressive dealers everywhere.

Happy Relief When You're Sluggish, Upset



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
SENA LAXATIVE
CONTAINED IN **SYRUP PEPSIN**

New OTTAWA WOOD SAW For Tractors

Makes wood sawing fast and easy. Can cut enough wood to pay for itself quickly. Easily moved while attached. Big heavy blade. FREE details. OTTAWA MFG. CO. 1211 Oak Ave., Ottawa, Kans.

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PARMAK
ELECTRIC FENCER
SEE YOUR PARMAK DEALER or
WRITE FOR DEALER'S NAME
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Peters family, world's first
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• When You Think of Hog Serum
Always Think of **PETERS SERUM**
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4408-12 Main St. Kansas City 2, Mo.

Uncle Sam Says . . .

Heat For Chicks

Under the regulations of the Solid Fuels Administration for War, preference will be accorded to delivery of anthracite coal for use in a brooder or hatchery, but not to exceed a 90-day supply.

Make More Shotguns

Production of 495,000 new shotguns and rifles by June 30, 1945, for essential civilian requirements has been authorized by WPB. Essential users include police and other law enforcement agencies, farmers and ranchers. Distribution will be thru normal trade channels.

Back to School

Between 800,000 and one million veterans of the present war may study eventually at educational institutions of their choice, under provisions of the G. I. Bill of Rights. About 7 per cent of the servicemen contacted in a survey indicated they wish to complete their education.

Smarter Fighters

Medium level of education of soldiers in this war is the second year of high school, compared to a sixth-grade level during the last war. In this war 23.3 per cent have completed high school in contrast with only 3.5 per cent for the last war.

Hens Lay More

Egg production on farms the first 7 months of 1944 was 112 million cases, 6 per cent more than the same period last year.

Dress Children Better

From December 1 thru next February 28, WPB will allow an increased production of clothing for children ranging from 6 months to 16 years.

Electricity Promised

A 5-year rural electrification program that would provide service to 3,655,000 rural homes and create a \$5,546,283,000 outlet for goods was declared possible in a preliminary report submitted by REA to the U. S. Department of Agriculture.

New REA Mark

Rural Electrification Administration loan allotments have passed the half-billion-dollar mark with the allocation of \$1,222,500 for loans to 27 borrowers in 17 states. REA loan allotments have been made to 875 borrowers, of which 802 are farmer-owned, locally controlled co-operatives.

War Cuts Fertilizer

Prospective supplies of nitrogen and phosphate fertilizers for use on 1945 crops have declined since midsummer, due to greatly increased military use of materials required for manufacture of fertilizers. But substantially increased supplies of potash are expected to be available, WFA reports.

Get More Apples

More than 103 million bushels of apples for consumption in fresh and processed form during the period ending next July have been allocated to U. S. civilians. This is 83 per cent of the supply and 13 pounds per capita more than was available last year.

Lots of Honey

Honey production for 1944 now is forecast at 185,301,000 pounds. Colony yield is 35.5 pounds. A 7 per cent increase in number of colonies was offset by a lower yield to the colony.

Needs More Fruits

Government requirements for all canned fruits, except figs, have increased from less than 22 million cases to almost 37 million cases in 1944, reports WFA.

Less Farm Help

Number of persons working on farms October 1 was slightly lower than at the same time last year and 5 per cent less than the 1935-39 October average, when crop production was much smaller. Farm wage rates averaged 16 per cent higher in October than last year.

For Spring Delivery!

**Special
Discount
if you order
NOW!**

Here's how you can save money and make sure, right now, that you'll have all the farm lubricating oils, greases and stock spray you'll need next season. Take advantage of your Sinclair Agent's Spring Delivery Discount Offer Now.



ORDER NOW what you'll want next season. Then your Sinclair Agent will have plenty of time to get your order in stock. This will avoid any last-minute transportation delay so common in wartime.



SAVE MONEY. When you order now your Sinclair Agent gives you a special discount and guarantees the price against any rise between now and spring delivery.

You set your own delivery date and pay no money until delivery is made. Figure out your full requirements of lubricating oils, greases and stock spray for next season and then phone or write your local Sinclair Agent today. This way you play safe and save money.

Sinclair quality farm oils are used by thousands of leading farmers in 41 states.

SINCLAIR FARM OILS

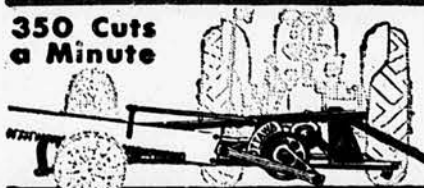


You don't have
to **SELL ME** on ...
DANNEN
DAIRY FEED



MAKE BIG MONEY SAVING WOOD NOW

350 Cuts
a Minute



OTTAWA ONE-MAN TRACTOR SAW

Turn wood lots into cash; help save other fuels to win the war. Use Ottawa—fastest cutting; easiest way. Cuts large and small logs, fells trees. Thousands in use. Built to last with special heavy stiff saw blade. Positive safety clutch control, driven from any power take-off. OTTAWA MFG. CO., D1211 Forest Ave., Ottawa, Kan.

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and
Price List

Big Victory for Dairymen

KANSAS dairymen have gained a momentous victory thru the U. S. Supreme Court's unanimous decision upholding the Kansas Dairy Law prohibiting the sale of "filled milk" and similar products within the state, announces H. E. Dodge, State Dairy Commissioner and secretary of the State Dairy Association.

"The replacement of butterfat with coconut oil or cottonseed oil in milk or other dairy products would have such a detrimental effect on the dairy industry of the country as to constitute

a grave threat to its very existence," he said.

In pointing out just how important the decision is to dairymen in Kansas and the nation, Mr. Dodge stated that dairying in Kansas annually produces milk with a farm value of nearly 75 million dollars coming from 130,000 dairy farms. The industry in the nation produces 3 billion dollars a year and supports 5 million dairymen.

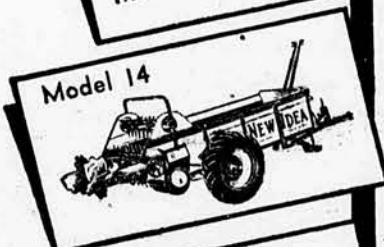
Decision of the U. S. Supreme Court was based primarily on the fact that: "Other considerations than nutritional deficiencies influenced the prohibition of the shipment of filled milk in interstate commerce. Here a milk product, skimmed milk, from which a valuable element — butterfat — has been removed, is artificially enriched with cheaper fats and vitamins so that it is indistinguishable in the eyes of the average purchaser from whole-milk products. The result is that the compound is confused with and passed off as the whole-milk product in spite of proper labeling."

The battle of the State Dairy Department against filled milk goes back

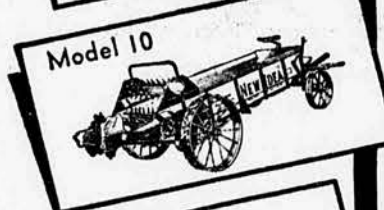
BASIC EQUIPMENT FOR FARM PROFITS



Model 12



Model 14



Model 10



LIME SPREADING ATTACHMENT

An inexpensive attachment, readily installed, equips your NEW IDEA Spreader for applying lime. Secures excellent distribution with a minimum of dust and waste.

NEW IDEA SPREADERS

Soil fertility is the foundation of farm profits. Use nature's own way to protect and increase this greatest of all farm assets—spread barnyard manure regularly. The problem is one of inexpensive handling, thorough shredding, fine pulverizing and even, controlled distribution. Nearly 50 years ago, NEW IDEA produced the world's very first machine for applying manure both efficiently and economically. Today, NEW IDEA Spreaders with their countless improvements in design, construction and materials, hold undeniable leadership in performance, durability and value. They are basic equipment for profit making on thousands of farms.

Two-wheel models for large and small tractors. A superb four-wheel spreader for team or tractor. Supplies are limited, so see your NEW IDEA dealer soon. Ask for free folders on any spreader model—or write main office, Coldwater, Ohio.

NEW IDEA, INC.

FACTORIES: COLDWATER, OHIO — SANDWICH, ILLINOIS



COMING YOUR WAY...

With the war's end, local firms in many communities will begin to get their new Butler Butane truck tanks like the one above. The units are virtually mobile pipe lines coming your way to bring the conveniences of gas. Plan now to be among the first to enjoy the conveniences a Butler gas system will bring postwar.

BUTLER MANUFACTURING COMPANY, 7438 East 13th St., Kansas City 3, Mo.

BUTLER BUILT

LIQUEFIED PETROLEUM GAS
HOME SYSTEMS, TRUCK AND TRAILER TRANSPORT TANKS AND BULK STORAGE TANKS.

BUY WAR BONDS NOW

1. Faster, cleaner cooking and baking.
2. Easier, quicker ironing.
3. Low-cost automatic refrigeration.
4. Bright, soft-lighting—wall or ceiling.
5. Healthful, clean, home heating.
6. Plentiful hot water.



H. E. Dodge, State Dairy Commissioner

to 1938, when the Carolene Products Company, of Litchfield, Ill., volunteered to make a test case of the law. The Kansas Supreme Court upheld the law in 1940 but the company changed one of the ingredients and reopened the case, finally appealing the Kansas court's decision.

Cream Market Change

Constant pressure of Federal and state organizations for improved cream quality has had a definite influence on the number of cream-buying stations in Kansas, states H. E. Dodge, State Dairy Commissioner.

During the last 9 years the number of cream-buying stations in the state has been reduced from 1,890 to 1,081. Everything points toward fewer stations equipped with modern cooling facilities, says Mr. Dodge.

A recent comparison, based on butterfat tax reports from creameries, condensaries and cheese factories covering July, August and September of this year as compared to the same period last year, indicated a 15 per cent smaller volume of butter manufacture, an 11 per cent decrease in the make of evaporated milk and a 16 per cent increase in cheese manufacturing.

The influence of temperature on cream quality in market channels was demonstrated last summer, when temperatures were unusually low. State Dairy Department deputies tested 5,066 samples in cream-buying stations and found only 3.3 per cent second grade, compared to 6 or 7 per cent normally found during the summer. Tests of cans ready for shipment disclosed only 4.3 per cent second grade compared to a normal 12 or 15 per cent for that time of year.

A Food Picture

Walt Disney Studios have been contracted by the Government to make a cartoon movie short on nutrition to be shown in all commercial theaters.

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Jap pill-boxes and gun emplacements are "knocked out" fast when deadly bazookas go into action! It takes a trained two-man team and battery-power to keep these portable weapons firing. Batteries that once were made for homes and farms are now sent to serve our fighting men. Use your available Burgess Batteries sparingly... keep them cool and dry. For Free Battery Hints—Write Dept. K-5, Burgess Battery Company, Freeport, Illinois.

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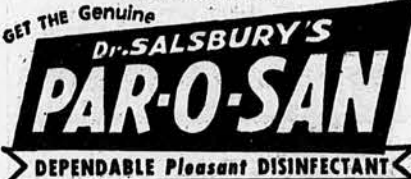


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often!

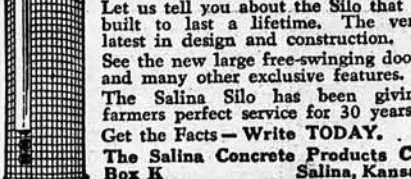
More germs may get in laying houses, after you disinfect. So remove droppings frequently, keep houses clean, and use Par-O-San often as needed. On proper contact, Par-O-San is an effective disinfectant against common poultry disease germs (spore bearing organisms excluded). Used as directed, won't harm birds or equipment. Par-O-San dilutes in water, or in oil when dampness makes this desirable. Stainless. Pleasant odor. Get Par-O-San at hatcheries, feed, drug, other stores, now.

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Year-Around Market

(Continued from Page 1)

to lack of labor and the problem of feed supply, with some reflections from last year's prices. With more farm labor available, more turkeys will be raised. Many returning veterans who wish to farm may find a place with turkey producers as a first step on the way. Certain production factors, such as increase in breeding flocks, also will tend to stabilize the business. However, the continued consumer demand, which producers believe will increase, is perhaps the strongest reason for continuing in the business. This demand for turkey has been on the increase since the early thirties, Shoemaker pointed out. If demand for turkeys can increase during a depression, it should increase in postwar years. Producers, giving more attention to good management practices, should be the gainers, since a year-around taste for turkey already has developed.

Turkey, even at this year's price, is really not a luxury food. Purchasers are likely to think of the turkey as costing \$7 or \$8 or more for the Thanksgiving or Christmas dinner. As a matter of fact, one turkey provides an unusually large number of meals, both for guests and the family, if the home-maker understands how to utilize everything left over from the holiday dinner, down to the bones for soup. The cost to the meal, considering the large number of meals, probably is no higher than the cost to the meal with a good beef roast, leg of lamb, or fried chicken.

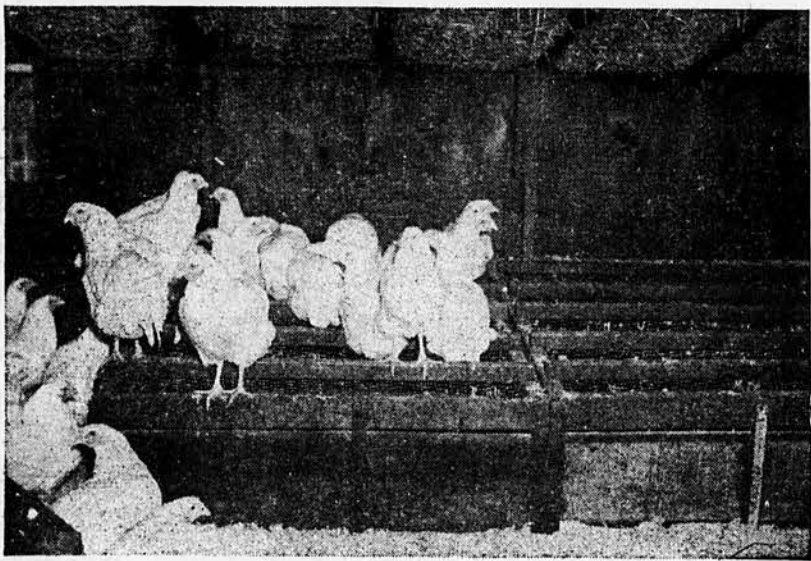
Offer Small Amounts

One of the merchandizing problems turkey growers and poultry dealers expect to meet is that of providing turkey in amounts which can be conveniently cooked and eaten by the small family living in an apartment. Even the best cook cannot persuade a small family to eat turkey for too long, especially if there is someone who doesn't like food served a second or third time, regardless of ways of cooking. Moreover, apartment-house kitchens are not able to cope with turkeys. Ovens are too small and there is no adequate storage space.

Merchandizing turkeys for apartment-house dwellers does not mean smaller birds. Quite the contrary, Shoemaker and Halbrook say. The big, bronze, broad-breasted birds which Kansas is now producing can grow bigger and better for this market. It's all a matter of how the turkey will be prepared for selling.

Right now the demand for more individual freezer lockers and for more space in community lockers is waiting on release of materials from war priorities. This process is providing better and more varied food supplies, as well as a means of storing home-produced food or food purchased where it is produced. Turkeys may be stored in freezer lockers just as chickens are stored. At present the limited space is needed for home-produced vegetables, fruits and meats more than for turkeys, which require quite a lot of space. And at present prices, turkey growers are going to sell birds, rather than keep them at home for eating.

Good Way to Save Time



Here are the kind of roosts in favor now, level roosts on dropping pits. These pits are a saving of time over the old-type droppings boards.

Commercial storage, when available, has provided the answer for hotels, restaurants and institutions. With the release of war stocks of food, more space will be available and improvements undoubtedly will be made in methods of storage. At present about a year is the limit for commercial storage of turkeys—home-locker storage as well—and most of the stored turkey is used within a shorter period, especially by civilian consumers.

Packaged turkey, either processed and ready to serve after quick heating, or frozen without processing, will be another convenience for the apartment-house markets. When the war is over, your frozen-food dealer expects to sell you a package of frozen turkey breast slices, or any other combination of pieces you may prefer.

Possibilities of canned turkey are just being explored. Smoked turkey, either from the butcher, the delicatessen, or in cans, has been a great delicacy and has sold at a high price. But with more demand, the price should be lower. Individual smoking of turkeys isn't practicable at present, Shoemaker says, but small plants could be set up to do some custom smoking along with commercial business. Canned barbecued turkey also is on the way, as well as canned turkey a la king, and perhaps turkey hash ready to pop into a casserole. Turkey hash, made by an expert, is a delectable dish.

Moreover, Shoemaker sees an increase in number of turkeys sold to butcher shops, cleaned and eviscerated at the packing plant, ready to be cut in halves, quarters, or even smaller sections. Price will vary according to the pieces purchased. At present this development is retarded because of labor shortages. However, all except rural housewives are becoming more and more unwilling to dress poultry, and eviscerated chickens and turkeys, prepared under proper government inspection, will be the answer to that demand.

Mighty Good Food

Turkey is as valuable in the diet as chicken. In addition to protein, it provides thiamine and riboflavin—more riboflavin than chicken—considerable phosphorus, and some iron and calcium.

Food specialists point out, it is not necessary always to roast a turkey. Young turkeys may be fried or broiled, but young turkey really is a luxury food. Since the farmers' profit comes in the last few weeks of feeding, the price of young turkey has to make up for the loss of profit on the larger bird.

A full-size young turkey may be roasted in an open pan, at a low temperature. Older birds should be roasted in covered pans. Turkeys from 1 to 1½ years old may be stewed or fricaseed, as chicken is cooked, or stewed whole, then stuffed, and browned in the oven. Turkey may be cooked in as many ways as chicken, to provide variety in meals. One may serve creamed turkey, turkey loaf, croquettes, souffle, risotto (served with rice and covered with grated cheese), turkey chop suey, or fried breast of turkey. Giblets and

mushrooms on toast are a company treat. Smoked whole turkey may be roasted or cut in pieces and boiled, according to special recipes. Served in thin slices, hot or cold, smoked turkey adds variety to meals or packed lunches.

In addition to future consumer demand, another factor enters in to help keep turkeys in a strong position. Turkey raising represents an economical use of grain and concentrated feeds, Shoemaker says. A pound of turkey meat can be produced for about the same amount of feed as a pound of pork, with turkey normally selling for 2½ to 3 times the price of hogs. This

(Continued on Page 20)

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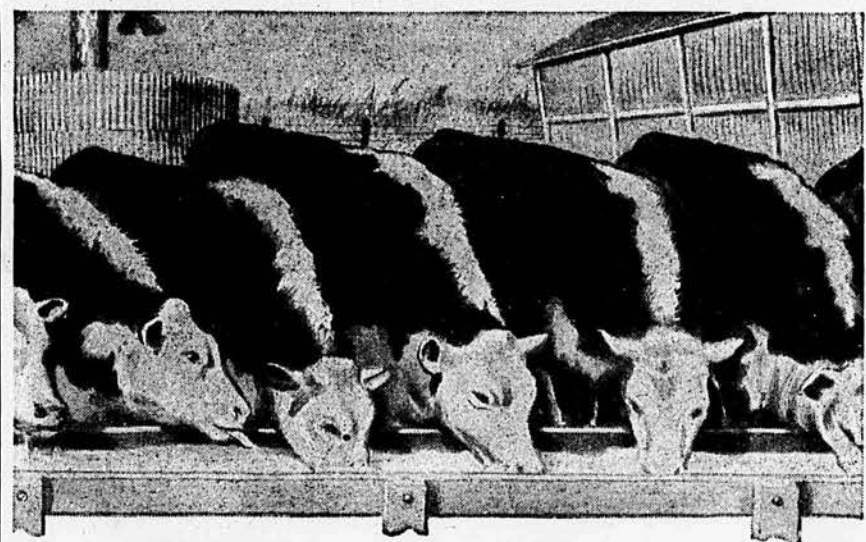
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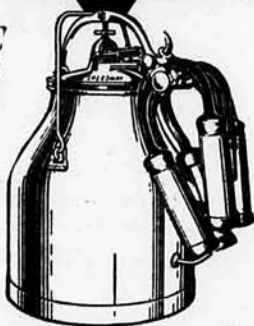
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Year-Around Market

(Continued from Page 19)

ratio depends, of course, upon how good the management of the turkey flock is.

There are some 1,000 producers who either raise turkeys as their principal cash product or as a major sideline. Even a small flock is profitable now, under good management, in view of present prices. Some of the producers in the "major sideline" class, raise 2,000 or more birds a year, as does E. W. Runft, president of the turkey federation. His turkeys, about which he is most enthusiastic, are only part of extensive farming operations in Republic county. He has been in the business for about 10 years. Around 600 growers are expected to join the federation this year. The larger flocks number about 7,000 turkeys.

Need More Breeding Flocks

Promoters of the turkey federation believe more turkey-breeding flocks should be encouraged, in order to stabilize the turkey-production program. Turkey-breeding flocks have been highly profitable in the last few years and should continue to be profitable. The tendency in turkey production is toward artificial brooding and hatching, with the purchase of poults from hatcheries. The average turkey hen starts to lay around March 1, and produces 40 eggs in the normal breeding season. A satisfactory small-size breeding flock is composed of 25 hens and 3 toms.

The Kansas Poultry Improvement Association is sponsoring a turkey-breeding program in the state at present with approved, certified R. O. P. (record of performance) flocks. The final step in this program requires trapnesting and recording of pedigrees. It is hoped by turkey growers that this program will offer some help in solving the problem of hatchability of eggs. Flocks are selected by qualified agents and all birds are identified by leg bands.

The same trend toward artificial brooding and hatching is observed in turkey raising as with chicken raising. This explains the reason why there are seemingly larger turkey flocks. At present almost 4 times as many turkeys are raised on the same number of farms as in 1932.

From the production standpoint, 3 factors are of great importance. In the first place, artificial brooding and hatching are more sanitary, require less labor, and permit handling of larger units of birds of the same age. Secondly, turkeys must be kept entirely separate from chickens and on a clean range, in order to control blackhead, still the most serious of turkey diseases. The birds also must be fed a complete ration containing protein and vitamin supplements throughout the entire growing period.

Overhead can be reduced if the producer raises both chickens and turkeys. Altho chickens and turkeys must be kept separate, the same brooding equipment may be used for turkeys later in the season which has been used earlier for chickens. The equipment must be cleaned and disinfected before being used for turkeys.

As to size of brooding units, 250 poults are satisfactory, but 500 are more desirable, Halbrook says. The

500-unit can be cared for in 2 brooder houses and requires little more time, labor or equipment than the smaller number after the early brooding stage.

Turkey production has shown great progress in the last 5 years, according to Halbrook. The turkey you buy this year is far superior to those you bought 5 years ago. The majority of turkeys raised in Kansas are the large, bronze, broad-breasted variety. There has been an advance in the average weight to the bird, as indicated by the records of the annual dressed turkey shows held at Kansas State College, beginning in 1940. In the young hen class, for example, the average weight was 17.2 pounds in the 1941 show, compared with 19.2 for 1944.

Major factors resulting in the improvement of the Kansas turkey industry in the last 5 years have been, according to Halbrook, the turkey-breeding program conducted by the poultry association; marketing on a dressed-grade basis, which practice assures payment for quality; and the annual dressed turkey show, where producers see the type of turkey most in demand, which they of course will plan to breed and market.

In determining grades, consideration is given to fleshing; fattening, including distribution of fat; and feathering, especially to the amount of pin feathers. Age is a major factor in determining dressing qualities. Turkeys should be marketed at from 24 to 28 weeks old, with the older birds considered most desirable. Toms require about 2 weeks longer than hens to finish.

In addition to the marketing and production phases of the turkey industry, growers who have joined the new federation are interested in developing a better turkey-insurance program, in order to gain protection against weather hazards, predatory animals, and other causes of turkey loss. They also will seek better control measures for predatory animals, such as coyotes. They will develop better turkey-production records, with special attention to costs.

Jewell County Leads

The larger turkey flocks in Kansas range from 2,000 to 5,000 birds annually.

Thirty-two counties in Kansas each raise more than 10,000 turkeys annually. Jewell county leads with annual production of 54,080 birds. The following are next in rank: Smith 28,180, Sumner 22,840, Harper 22,190, Finney 20,490, McPherson 19,810, Sedgwick 19,760, Mitchell 19,590, Republic 17,140 and Harvey 17,000.

In the eastern third of the state Wilson county leads with 14,100 birds and Labette is next with 11,600.

Meet the Officers

Officers of the State Turkey Federation (permanent) are: E. W. Runft, Belleville, president; Floyd Raymond, Galena, vice-president; directors—R. M. Little, Maize; J. E. Tillotson, Kansas City, Mo.; H. A. Neilson, Page City; L. S. Strackeljohn, Garden City. E. R. Halbrook, extension poultry specialist, representative of Kansas State College; R. G. Christie, Manhattan, secretary-treasurer.

Safe Garden Storage



One of the fine 4-H Club demonstration booths at the Kansas Free Fair, Topeka, was this one entered by Riley county on pit storage of garden vegetables. It shows how straw and soil may be used to provide safe storage for utilizing the garden thruout the winter.

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30 Horned Bulls **20 Polled Bulls**
36 Horned Females **10 Polled Females**
18 Females Bred, Rest Open

The Horned Division includes Nebraska State Fair winners and sons of Gold Nugget, the N. U. grand champion. Offering from 35 of the best Nebraska herds. No consignor has more than 2 bulls.

75% of the bulls ready for service. \$700 cash premiums.

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Dale Bellows, Judge—For show and sale catalog write

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Aucts.—Jack Halsey and Assistants; Jesse R. Johnson with Kansas Farmer

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On Farm 2 Miles Southeast of Manhattan

Tuesday, December 5

55 HEAD—Good Individuals Carrying the Blood of Noted Sires

30 Cows—Bred, many near freshening or with calves at foot to the service of Prince Advance, son of WHR Princeps 46th

14 Heifers—Bred and open. **11 Bulls—6 to 14 months old.**

The bulls and heifers are mostly sired by the bull Prince Advance, and the older cattle by Advance Mischief 88d, son of the great bull Advance Mischief. The cattle sell in nice breeding form but not fitted. Included are many that would not be for sale if this was not a dispersion. All Bang's tested.

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Aucts.: Fred Chandler, Lawrence Welter

Jesse R. Johnson with Kansas Farmer

WALSTEN'S Semi-Dispersal HEREFORD SALE Friday, December 8

50 Head sired by Real Domino Lad 2nd (Dortland breeding)

10 Choice Yearling Bulls

5 Bred Cows (Domino bloodlines)

35 Heifers

Labor shortage and other business interests have made it necessary for me to put out my cow herd on shares for a period of a year or more, and I am now selling my entire 1944 calf crop.

Sale on farm 14 miles north of Hutchinson, starting at 12 o'clock noon.

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Bull calves of different ages, two of serviceable age for sale. This herd produced two out of last three National grand champion Milking Shorthorn cows, each the product of several generations of animals bred in the herd.

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Blackwood Romeo, Jan. 1942, nice red, gentle and sure breeder. Sire: Chief Blackwood, son of Lady Blackwood RM and national champion. Dam: Geary Autumn Flower RM and classified "good." Priced right.

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Our registered Herefords are Prince Domino and Hazlett breeding.

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Cows, Heifers and Calves

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10 to 18 months of age, nice colors, best of type and breeding. Also few cows with calves.

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Grandson of Proud Archer. Good individual and a good sire. 10 bulls from 12 to 16 months old. 10 heifers, all sired by above herd bull. Short legged, thick type.

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Write for prices and particulars.

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from cows with good production records in herd improvement association. Foundation cows by Valor's Crusader (son of Cooper's King Ortis) and Meadow Lodge Heartbreaker used in herd.

M. M. BEACHY, R. 2, HUTCHINSON, KAN.

2 Registered Guernsey Bulls

Sunflower Jim, born July 28, 1944. Sire—Sunflower Rex. Dam—Sunflower Girlie.

Sunflower Eminent, born July 16, 1944. Sire—Sunflower Rex. Dam—Eminents' Lillian.

FRED E. KALE, R. 4, HIAWATHA, KAN.

Mac-Bess HOLSTEINS

for sale. A few Registered Holstein Bull Calves from tested dams, near 500 lbs. fat average for entire herd this year 2x, 10 mos. average nearly 700 lbs. If you will need a change in herd sires next year buy him as a calf now.

CARL McCORMICK

Cedar (Smith County) Kansas

REGISTERED HOLSTEIN BULLS

—for sale. Two of serviceable age and 2 baby bull calves by a son of "Old Triune." Also several baby bull calves sired by my present herd sire, Sir Billy Inka Triune Fobes, a grandson of "Old Triune" and of "Old Billy." His dam is the highest producing daughter of Triune, 952 lbs. fat in a year and in three consecutive years 2,430 lbs. fat, and sired by a well proven son of Sir Billy. They should be good prospects.

F. G. HIEBERT, R. 1, HILLSBORO, KAN.

"OF OZ"

—the four little letters of the alphabet which mean so much to Jersey breeders the nation over! It means ROTHERWOOD, the Kansas Farm to which and from which flows the richest blood of the breed!

ROTHWOOD JERSEYS, Hutchinson, Kan.
A. Lewis Oswald John Craig Oswald

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, LEO, KAN.

SHEEP



Registered Shropshire Sheep Sale

Baehen-Bellport Pavilion

LaCrosse, Kansas

Wednesday, December 6

50 Registered Shropshire Ewes—All of good ages and quality, largely Chappell breeding. Many sired by Missouri and Kansas grand champion buck 1941 and bred to his son.

H. L. FICKEN (Owner)

Bison - - - Kansas

★ 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.

Frank C. Mills, Auctioneer

Livestock Salesman

Alden - - - Kansas

December 16

Will Be Our Next Issue

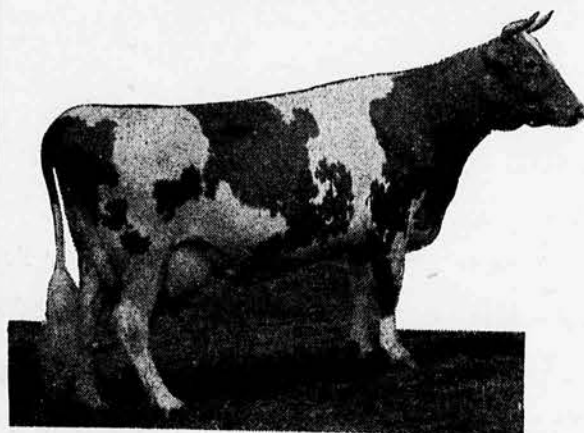
Ads for the Classified and Livestock Section must be in our hands by

Saturday, Dec. 9

Thisler's Guernsey Dispersion Sale

On Farm 5 Miles East of Junction City, Then 2 Miles South

Friday, December 15



40 Head
Purebred
Guernseys
(Not eligible
to register)

26 COWS (18 in milk sale day or soon to freshen)

—to the service of MEADOW LODGE FAVOR, son of the great bull Meadow Lodge Rex's Climax, and out of a 700-pound-butterfat cow.

9 CHOICE HEIFERS bred to the herd bull

2 OPEN HEIFERS, 7 or 8 months old

The HERD BULL, Meadow Lodge Favor

Balance of offering CALVES

The offering is from a foundation selected from leading herds and nothing but high-class registered sires have been used the last ten years. Our last two herd bulls were from Meadow Lodge Farm. Calfhood vaccinated for Bang's and Tb. tested.

Full line of farm machinery sells in forenoon.

Farm for sale at private treaty. For catalog write

Elwood Thisler, owner, Junction City, Kan.

Auctioneers: Bert Powell and Francis Maloney
Jesse R. Johnson with Kansas Farmer

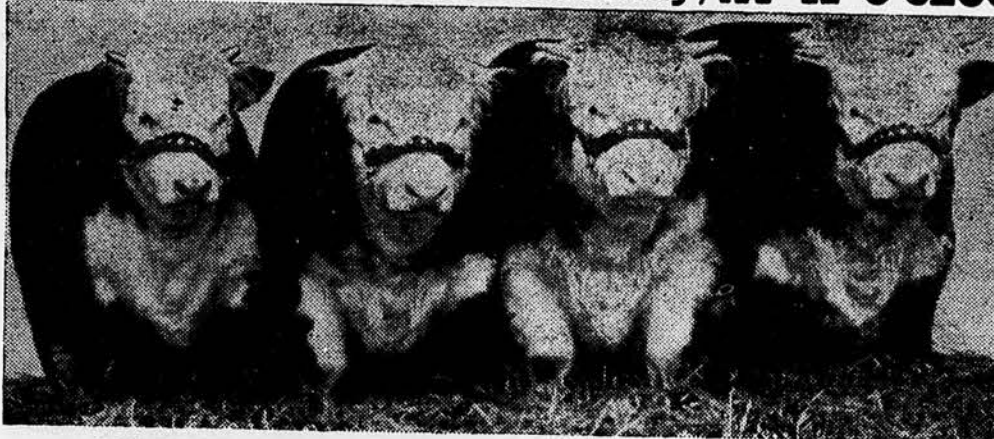
DECEMBER 16, 1944

SALE STARTS (Note this is Saturday) AT 12 O'CLOCK

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IS IMPROVEMENT DAY For Kansas
at Cattlemen

CK RANCH AUCTION

Whether you have 20 or 200 cows a BETTER BULL will increase your profits.

To encourage you to change for a BETTER BULL, we will pay \$2.00 per cwt. over beef market for every bull brought to the ranch by 12 o'clock sale day as a credit on a bull purchased in the auction. Write for information.

Onward
Domino
Blood
Means
Improve-
ment!

We want every bull in this sale to improve some herd. Each one is selected for that purpose.

Special Notice

Any animal delivered within 300 miles—for 5c per mile, per head.

60 BULLS Selected 40 FEMALES All
Paved Highway Tops
to Ranch. CK RANCH Heated
GENE SUNDGREN, Manager Brookville, Kansas Pavilion.

GENE SUNDGREN, Manager

Brookville, Kansas A. W. THOMPSON, Auctioneer



The Tank Truck

News from Your Conoco Agent about Lubricants, Farm Fuels, and Service



KONRAD, HADERLIE, THOMPSON AND KEIM GIVE REASONS APLENTY FOR ONE MOTOR OIL!

Frank Konrad, who farms 240 acres near Windom, Minnesota, is a man who believes in having plenty of reasons for what he does. And the reasons he gives for using Conoco Nth motor oil exclusively for years make sense to any farmer!

"As far as I am concerned," Mr. Konrad writes, "I would use nothing but Nth motor oil... because I find that I use less of it, it stays clean a greater number of hours in my Farmall and I know that I



Frank Konrad has used Conoco products 100% for years, and says: "Keep making Conoco Nth, Conoco Bronz-z-z, Conoco pressure lubricant... I shall keep buying them for extra profits on my farm."

have saved more than the price of the oil itself in repair bills... The tractor is kept busy in the winter time grinding feed and it never fails to start with light grades of Conoco Nth in the crankcase, and it really gets cold in Minnesota."

Others Give Similar Reasons!

Now one man's reasons for using a product can't be taken as decisive—but when many farmers give similar reasons for using Conoco Nth motor oil and other Conoco products, you can bet that it's no fluke! Here, for example, is part of a letter written by Dick Haderlie from his 220-acre ranch near Terreton, Idaho: "For the past three years... I have used your Nth motor oil in my John Deere Model B tractor. After two years of operation without any motor repairs, I felt I should at least look into the motor and replace, if necessary, any worn parts... To my pleasant surprise the motor was in excellent condition and no replacement parts were needed. You can well imagine how much I have saved by using your Nth motor oil."

And still more confirmation comes in a letter from Ernest Keim, whose farm is near Lincoln, Nebraska. He has used Conoco products 100% for eight years, and relates the following experience:



Dick Haderlie, Terreton, Idaho, says his experience with Nth oil during three years has proved "outstanding."

EXTRA CASH?

Do you want to help yourself and help Uncle Sam, too? There is one crop growing on many farms which can be harvested and sold right now for ready cash. That crop is timber! Uncle Sam must have sawlogs and pulpwood to win the war! Mills are paying top ceiling prices for wood and you make more money when you do your own cutting and hauling. But, find a buyer for your pulpwood or sawlogs before you start to cut. Get the advice of your county agent. He will tell you how to thin and improve your woodlands and sell your extra trees at top prices. When you have time to spare from other farm work, remember, it's patriotic and profitable to send wood to war. But first, ask your county agent what to cut, how much to cut and where to sell it. See your county agent today.

"After the harvest season was finished here last summer, I shipped a tractor and combine to North Dakota and operated through the harvest season there. I put the equipment through many long days of operation during the hottest season of the year and did not lose one minute of time from any mechanical failure. I am using Conoco products 100% in my two tractors as well as car and truck and can say they are entirely satisfactory."

13-Year User Adds His Say!

From Ted Thompson, for thirteen years a Conoco user, comes final confirmation of the all-around high quality of Nth motor oil. Mr. Thompson farms near Cokeville, Wyoming, and states he has never had any reason for trying any other oil because, in his own words, "My equipment has given me better service than I ever believed possible."



Plenty of reasons for Ernest Keim to "look pleasant"—considering his "perfect results" with Conoco products.

Ted Thompson calls a brief halt in his work to have his picture snapped with Conoco Salesman Herman Mar.



"My seven-year-old tractor," he continues in his letter, "today will perform with any tractor in this area, and I have yet to add any oil between regular changes... To date the only repairs ever necessary were minor ones made by my employees, plus seasonal tune-ups..."

How Conoco Nth earned that Praise:

Enthusiastic statements like the four given here may have you asking, "What's Conoco Nth motor

AT YOUR SERVICE WITH:

Conoco Nth motor oil—Conoco HD oil
Conoco transmission oils—Conoco pressure lubricant
Conoco Pumplube, Racelube and Coglobe
Conoco Sujind grease, cup grease and axle grease
Conoco Bronz-z-z gasoline—Conoco tractor fuel
Conoco diesel fuel—Conoco kerosene and distillates

THE GREASE VETERAN SAYS:



MERRY CHRISTMAS

—FOLKS
AND A PROSPEROUS NEW YEAR!

\$ DOLLAR-AN-IDEA \$

Ideas that help to make work easier on the farm front are worth a dollar in any man's money! Send your original ideas to *The Tank Truck* in care of this paper—and win \$1.00 for each of your ideas printed!

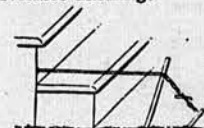
Mrs. Wilbur Bingham of Roosevelt, Utah, suggests pinning handkerchiefs, wash cloths, children's stockings and other small articles on the clothes line with a large safety pin. Saves time in sorting dry wash, and conserves space as well as clothespins!



The sketch at left shows William Swor's method of applying angle irons to protect wooden vise jaws. That's an idea from Green Forest, Arkansas.

Before discarding worn-out stockings, Mrs. Elizabeth Look of Mosinee, Wisconsin, cuts off the feet and unravels several yards of the fine thread, winding it on an empty spool. When runners appear in other stockings, she can find a shade of thread for almost invisible darning!

A novel shoe scraper made from bailing wire and sticks is shown at right. B. G. Devvyberry sent the idea from McKinney, Texas.



oil got that makes it perform so well?—consistently!" The exact answer to that is OIL-PLATING—a shield of lubricant that's bonded to working surfaces inside any engine by the magnet-like energy of a modern Conoco Nth ingredient! With OIL-PLATING fastened and held to engine parts, your engine is spared a lot of the excessive wear that otherwise threatens to shorten engine life. Because it stays plated-up inside your engine through long stretches of work or idleness, OIL-PLATING does more than reduce ordinary wear in running. It also fights needless wear in starting up, and the extra wear caused by corrosive acids left in the cylinders after combustion is ended!

Right at this time of year, when many tractors and even trucks and cars are getting little use at all, acid is most apt to cause damage, wherever it's permitted to touch unprotected metal surfaces! But with OIL-PLATING on the job, acid is kept from easy contact with metal—and your engine is kept safe from serious internal corrosion!

OIL-PLATE your engines today—in tractor, truck and car! All you need is a fill of popular-priced Conoco Nth motor oil—and Your Conoco Agent will deliver it on his next round. Call him today. He'll bring you a FREE Conoco Tractor Lubrication Chart to help you service your tractor better. And he's ready to help you with a full line of Conoco farm lubricants. Continental Oil Company

Your Conoco Agent

