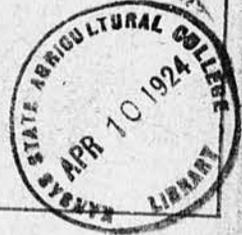


KANSAS SECTION THE CAPPER FARM PRESS

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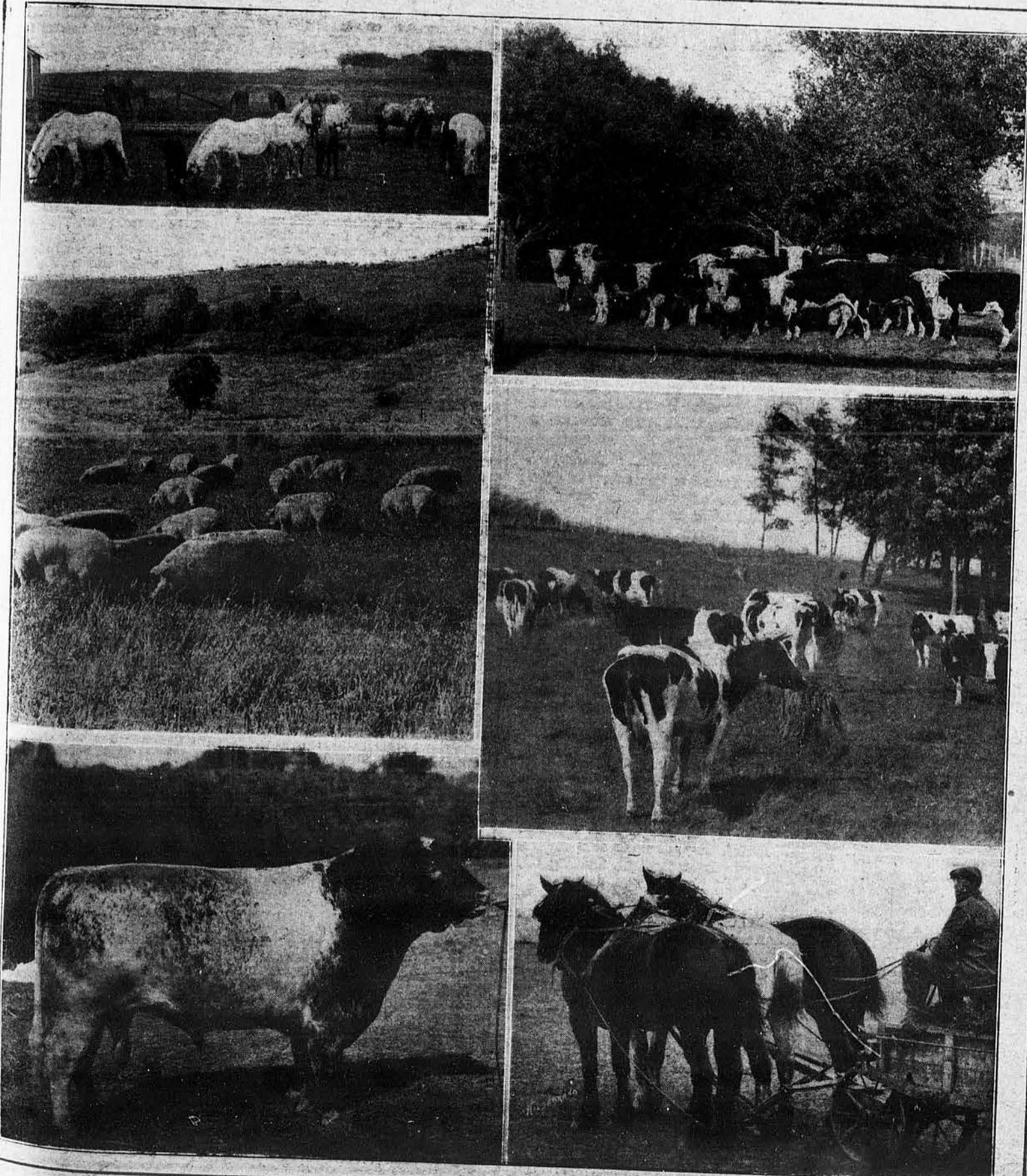
# KANSAS FARMER AND MAIL & BREEZE



Volume 62

April 12, 1924

Number 15





This house is a crumbling ruin from lack of paint. Where paint is not used, deterioration is rapid.

## Lead frees you from a weather tax

**H**OW much is your weather tax? Thousands of owners in the United States pay such a tax for the share of rain, snow, and sunshine that fall on their properties.

A billion dollars' worth of property crumbles beyond repair in this country each year. And this vast total includes the many millions paid by property owners as weather tax—money that lead would help to save.

Lead is the ugly duckling among metals. It isn't so handsome as gold. It isn't so strong as iron. Yet lead performs many functions—for which the other metals are not suitable. In the form of white-lead in paint it is man's mightiest protector of wooden and other non-metallic surfaces.



Rain and storm have attacked this pillar, which was unprotected by paint. The owner is estimating the size of his weather tax.

Approximately 350,000,000 pounds of white-lead are used every year in this country. This makes enough paint to cover with one coat about 3,000,000 houses of average size.

From the days of our forefathers, white-lead has been the standard for preventing decay and deterioration and for providing the desired decoration. Wise owners everywhere are obeying the rule, "Save the surface and you save all," and are covering the surface with white-lead paint. Thus they avoid paying weather and repair taxes.

For exterior painting they find that white-lead and pure linseed oil make a paint that sticks tight to the surface, is impervious to moisture, and lasts long. And they know that fresh-looking, well-kept property is a sign of prosperity, of cleanliness and respectability within.

For interior painting of walls and woodwork these owners find that white-lead mixed with flattening oil not only protects the surface, but also gives a soft, beautiful finish. By mixing coloring matter with white-lead they obtain the color that will harmonize perfectly with any decorative scheme.

### Handy Book on Painting

If you want to know how to save surfaces of wood, masonry or metal with paint, write for our *Handy Book on Painting*. This book is a storehouse of paint facts and formulas and will be sent free at your request.

### Producers of white-lead

*Dutch Boy white-lead* is the name of the pure white-lead made and sold by National Lead Company. It is extremely fine—so fine that it easily flows through a silk screen containing 27,000 holes to the square inch. This gives opacity and smoothness of film.

On every keg of Dutch Boy white-lead is the picture of the Dutch Boy Painter shown below. This trade mark guarantees a product of the highest quality. Dutch Boy products also include red-lead, linseed oil, flattening oil, babbitt metals, and solder.

National Lead Company makes lead products for practically every purpose to which lead can be put in art, industry, and daily life. If you want information regarding any particular use of lead, write us.



Save the surface and you save all.

### NATIONAL LEAD COMPANY

New York, 111 Broadway; Boston, 131 State Street; Buffalo, 116 Oak Street; Chicago, 900 West 18th Street; Cincinnati, 639 Freeman Avenue; Cleveland, 820 West Superior Avenue; St. Louis, 722 Chestnut Street; San Francisco, 485 California Street; Pittsburgh, National Lead & Oil Co. of Penna., 316 Fourth Avenue; Philadelphia, John T. Lewis & Bros. Co., 437 Chestnut Street.

## Jayhawker's Farm Notes

### Acres in Oats Has Been Decreased 30 Per Cent But Corn and Kafir Will Replace It

BY HARLEY HATCH

**A**FTER our March snow had melted, the roads and fields dried much sooner than was expected. By March 26 the roads were dragged and in good condition to travel and in many fields teams were at work sowing oats and plowing. This work had just been well started when down came a shower of rain which again stopped work. Farmers tell me that taking the county as a whole no more than 60 per cent of the oats crop planned had been sown when the snow of March 8 prevented further sowing until March 25.

Two days of fair weather then made it possible for a small acreage to be sown but the total sown in this county on the first day of April is no more than 70 per cent of what would have been sown had the weather proved favorable. This will mean a larger acreage of corn and kafir than has been planted in Coffey county in any year since the war. The rain and warmer weather started both grass and wheat; at this writing there is a show for an average crop of wheat on a greatly reduced acreage. Pasture and meadow prospects are good as the soil is full of water.

### Flax for Kansas and Colorado

A letter received this week from Limon, Colo., strongly advises the sowing of a large acreage to flax this spring in Western Kansas and Eastern Colorado. The soil there is full of water and the writer says that the present supply of moisture will mature a crop of flax. The linseed mills at Kansas City are trying to get farmers of the Southwest again interested in flax. The present price for this crop is more nearly on a paying basis than any other crop that could be grown from spring planting; what the price will be at harvest time is, however, another matter.

We see no reason why Eastern Colorado and Western Kansas with its spring supply of moisture could not sow flax with as much, or more, assurance of a crop, than of anything else which could be named. Flax is a quick crop. It used to be largely grown here and was to a large extent a renter's crop and the common promise in those days to the dealer asked to extend credit was, "I'll pay you when I thresh my flax." It was quite a sure crop here with an average yield of 6 to 7 bushels to the acre. The average price in those days was around \$1 a bushel, as compared with an average price of 35 cents a bushel for corn.

Quite an acreage of flax is to be sown in this locality this spring, a local seed dealer having shipped in 1,200 bushels for seed. This amount will sow about 2,400 acres at the rate of 1/2 bushel an acre.

### Planting Late Potatoes

We are in receipt of a letter from Strong City, Kan., regarding the late planting of potatoes, the writer saying that he remembers our writing on that topic in the past. He also asks what is considered the best late variety to plant in that part of Kansas. We never have planted a late variety of potatoes here with any success; what we call late planting is

from April 10 to April 25 and if we plant at that late date it always is under mulch.

If one cannot mulch it always is best to plant at the earliest possible date. In planting in April we use the same variety of seed as for early March planting, Eureka or Early Ohio. We like Eureka best to plant under mulch as it has proved a better keeper for us than the Ohio; Eureka is a round, white potato with rather deep eyes, about one week later in maturing than Early Ohio, but when grown under mulch it will keep sound and firm until late the next spring. We have no seed of this variety for sale. We have tried a number of late potato varieties here both with and without mulch and with the exception of the old-fashioned Peachblow which we grew years ago, we never had success with any of them.

### Soybeans and Corn

A farmer friend writes from Fredonia regarding what we said in this column a short time ago about the planting of corn thickly to be cut and fed to stock cattle. Our friend says that if we will plant our corn and then turn around and again plant the same rows with soybeans at the rate of 1 bushel to 7 acres, we will grow the best feed we ever had. We are thinking strongly of trying this plan; soybean growing is on the increase in this county and there seems to be plenty of seed for sale by growers.

We have not given soybeans a trial of late years but claim to be one of the first, if not the very first, to plant them in Coffey county. About 25 years ago we planted 1 bushel of soybeans here; they came up but after that they never had a chance for their lives as all kinds of rabbits from a radius of 20 miles—or so it seemed to us—moved in and pastured on those beans. We never harvested a bean. We suppose growers do not have that trouble now as we hear no complaints. Our Fredonia friend says that the Wilson variety of soybeans is best to plant with fodder; he also says that the seed cannot be mixed and planted at the same time but that the corn and beans have to be planted separately.

### Our Early Garden

We had our early garden and potato ground plowed before the March snows and just as soon as the ground was in good condition, which was on March 27, we planted the early potatoes. This is at a much later date than we usually plant early potatoes here but they went into the ground just before a warm rain and should come up quickly. We planted three varieties, Eureka, Six Weeks and Early Ohio. We always plant a few of the Six Weeks variety as they are ready for the table a week or 10 days earlier than the Early Ohio.

The potatoes planted, we went to the garden where we planted liberally of onions, peas, lettuce, radish, beets, and turnips. The night after planting it rained and the seeds should do well if rains do not continue or hard freezes destroy all the good effects of the warm rain.

## Don't Disturb the Potato Bugs

BY M. N. BEELER

**B**E CONSIDERATE of the potato bugs when you go into the field with insecticidal intent. That's the recommendation of E. G. Kelly, traveling entomologist for Kansas State Agricultural College. If you jostle the plants in your haste to destroy bugs, they will merely drop to the ground, fold their legs in an attitude of supplication and wait until you disappear. Likely as not they will stay on the cool ground until hunger impels them to ascend next morning.

By that time your potato plant will have put out new tip leaves not covered with poison and the modest bug will climb to the top to feed. Then you'll wonder why the poison failed to work. Kelly suggests that if you would have this potato patch marauder fall off and stay off, you should plant the potato rows straight and drive carefully so that the spraying machinery does not strike the plants. Go out early in the morning and quit at least by 11 o'clock. By that time the bugs will be seeking the refreshing shade below and the results will be the same as if you had knocked them off. They will not get a dose of poison that day and next morning will ascend to the top where new tissues will have developed since the spraying was done.

# KANSAS FARMER and MAIL & BREEZE

April 12, 1924

By *Arthur Capper*

Vol. 62 No. 15

## Silo Wins Against City Lure

*Electricity and Automobiles Greatest Factors in Family Contentment Says a Man Who Credits Silage Fed Cows With Keeping Children at Home*

By M. N. Beeler

**A** FARM lighting plant and a motor car will do more to keep the kids satisfied than anything else," says G. J. Whitmer, a Russell county farmer. "Provide a few conveniences at home and a little money to buy gasoline, and the youngsters will not care to leave," he continued. "There's nothing like the silo to keep kids on the farm. I have one 14 by 40 feet which enables me to keep dairy cows and they have provided the conveniences, recreation and amusements which are responsible for keeping my children satisfied with farm life."

Whitmer has been in the dairy business 20 years. Yet there are farmers in that section of Kansas



The Whitmer Farmstead Contains Many Evidences of Good Farming: Light Plant, Silo, Grain Bin, Machinery Sheds and Stock Pens With Loading Chute

who contend that the country is adapted only to wheat growing. Fifteen years ago he adopted Jerseys with which to carry out his dairy project. Two cows and a purebred bull were selected for the foundation. Today he has 30 head of cattle, 20 cows and 10 heifers which have descended from that original stock. He has representatives of the fifth generation of his own breeding. About a dozen cows are milked the year around. During the last four years this number of cows have returned an average of \$90 a month. In addition his two grown daughters sell about \$3 worth of cream and butter each week.

"I have two daughters who went thru high school

without spending a cent of my money," said Whitmer. "They drove back and forth between my farm and Dorrance, 2½ miles away, and paid their way by milking cows. Now they are taking turns in teaching the local school. I have a boy 12 years old and a little daughter 7 years. All the children are satisfied with farm life."

The silo which Whitmer holds in such high regard holds about 120 tons. Each fall he fills it with a mixture of kafir, cane and silage corn. The cows are given silage from the end of the pasture season until June. They then are turned on pasture. They run on meadow after the hay is cut and are grazed on the silage crop stubble after the silo is filled. In fall and early winter they are pastured on wheat. The grain ration consists of ground corn, barley, kafir and milo. Whitmer says he never has failed to raise enough feed for his dairy herd.

Of his land 250 acres are devoted to wheat, 50 acres to feed and 100 acres to grass and pasture. The wheat acreage, owing to crop failures in recent years, will be reduced.

"All the farmers in this part of Kansas are wheat crazy and I am too, but I am about ready to quit. I would have been better off if I hadn't tried to grow it during the last four years. I have lost about \$3,000 a year in that time. If it had not been for the cows, I do not know what we would have done. They have made the living, provided home conveniences and made up in part what I have lost on wheat. In the future I am going to give more attention to dairying and feed crops."

"Wheat growing is a gamble and there is no use in small farmers trying to win at it. They have tried it too long and that is the trouble with this country now. The only way a man can get back on his feet here is by hard work. He can't do it by speculation. He may make a little money occasionally on wheat, but he will lose it all before the next good crop comes. More of them will have

to milk cows, keep chickens and pigs. That is safer and they will make more money in the long run."

Whitmer keeps a few brood sows. He breeds them twice a year and sells the pigs at weaning time. The sows and pigs are run on pasture and receive an allowance of skim milk for their protein ration. Whitmer considers that he can make more money from weaning pigs than from feeders, altho it would be possible in most years to grow enough grain to fatten them for market.

Whitmer's Jerseys are essentially purebreds. In the 15 years he has kept them he has used four purebred sires. He has selected his sires for production. His herd averages about 4 per cent fat,



Here Are the Whitmers: Robert, Georganna, Mrs. Whitmer, Meta, Eva, and George J. With Part of Equipment Which Has Kept the Family Together

but he has one cow whose milk tests 5.2 and some of the cows which milk 5 gallons a day test 4.2 per cent fat.

"My method of farming involves a lot of hard work," said Whitmer, "but it is the only way to win out. I prefer to keep busy the year around rather than work hard a few months and spend the rest of my time worrying over the outcome of a wheat crop."

## Farmers Hold Seed Exchanges

By J. C. Burleton

**K**ANSAS farmers are gunning for poor seeds. In several counties they have held exchanges and shows to bring producers of good seeds into contact with buyers. Such exchanges have been held in Osage, Barton and Pawnee counties and similar work is being conducted by the farm bureaus in Washington, Hodgeman, Ness and Jefferson counties.

The exchange in Osage county was the biggest that has been held in the state. E. L. McIntosh, county extension agent, asked all producers of good seeds in the county to forward samples to him in Lyndon. These samples were tested for purity and germination by the seed laboratory at Kansas State Agricultural College.

More than 100 samples were exhibited during the show early in February. Each sample bore its variety name and the results of the analysis and germination test by the seed laboratory.

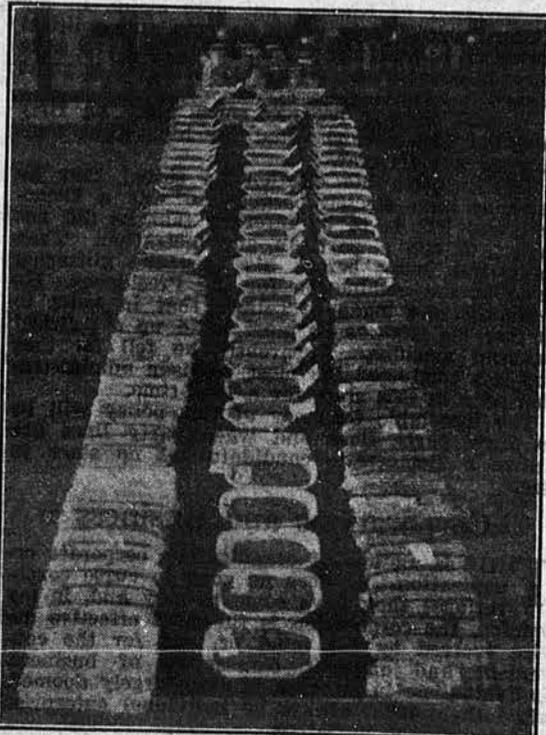
### Local Growers Made the Exhibits

Most of the seed was exhibited by local growers, but some samples were shown by commercial dealers and seed houses. Of the local samples 33 were of corn, representing 17 varieties; 30 of oats, representing two varieties; two varieties of wheat; three of soybeans; one each of milo and feterita; seven of sorghum; three of alfalfa; two of Sweet clover; four of Sudan grass; seven of kafir, representing four varieties. Four growers outside the county submitted samples.

The show was held in the farm bureau office at the courthouse. In addition to the seed exhibits, samples of representative types of common varieties of farm seeds, posters and other material emphasizing the importance of good seeds were supplied by H. R. Sumner, extension agronomist for Kansas State Agricultural College. A seed list, containing the names and addresses of growers and the kind and varieties they had to offer, was compiled and posted so that visitors in need of seeds could get in touch with them.

A seed judging contest was held in connection with the show. The first prize was a bushel of Kanota oats, won by County Commissioner Laury,

with a score of 72 per cent. Contestants were required to judge three samples each of white and yellow corn and five samples of oats. Sixty men



More Than a Hundred Seed Samples Were Shown by Osage County Growers and the Exchange Was Visited by 250 Farmers

competed. Students from the agricultural classes of high schools also placed the samples but were ineligible to compete for prizes. F. G. Laptad, Lawrence, judged the contest.

Attendance for each of the first two days was 30 to 40 and on Saturday it was estimated at 80 or more. A speaking program was held the last day. Sumner discussed the importance of pure seeds of high germination. This year particularly should farmers be careful. Tests run thus far indicate that much of the common seeds, especially grain sorghums, are of low germination. Because there is no pure seed law in Kansas the state has become the dumping ground for all the worthless seeds which cannot be sold elsewhere.

### Watch for Adulterations

Much of the seed offered to farmers is not only of low vitality but contains adulterations, mixtures and foreign seeds. Before buying seeds which are susceptible to adulteration, samples should be taken and forwarded to the seed laboratory for examination. Even where the seed is obtained from a local grower it is well to have it tested for impurities and germination. The Kansas Crop Improvement Association maintains a seed list of men whose crops were inspected during the growing season. These should be free of foreign seeds or material, true to name and variety, but the germination should be determined.

Laptad discussed the work of the crop improvement association and related some of his own experiences in growing and marketing good seeds. Osage farmers plan to continue the exchange. Next year a better show is planned, more time will be given for preparation and a larger number of seed growers will be induced to exhibit.

During the last week in February three similar exchanges were held in Barton county, one day each at Holsington, Great Bend and Susank. The work in Washington, Hodgeman, Ness and Jefferson is not so extensive as that in the other counties. The exchange in Osage was the most successful held thus far. The results have been gratifying in every case and the work will continue.

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# KANSAS FARMER

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**JOHN W. WILKINSON and M. N. BEELER, Associate Editors**  
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## Passing Comment—By T. A. McNeal

**T**HE appropriation of 10 million dollars to aid the suffering women and children of Germany, to which reference has been made heretofore brings up a number of peculiar circumstances. To begin with, this is perhaps the first case in history where so magnificent a gift was made by one nation to the people of another with which the giver had been so recently at war. Another fact annoying to generous Americans is that while the stories of destitution and underfed women and children in Germany probably are true, it seems to be equally true that one of the principal reasons for this is that the wealth of Germany has been concentrated in the hands of a few to an extent never before witnessed in the history of the world.

The World War did not destroy the sources of wealth in Germany. Her territory was not invaded; her cities and towns were not destroyed and her lands devastated as was the case with France. Physically speaking, Germany did not suffer a tenth part as much as France, and there should be no good reason why German children should be suffering from any serious lack of food.

The trouble seems to be that the leaders of Germany deliberately entered upon a policy which has resulted in wiping out all ordinary forms of investment, utterly destroying the purchasing power of the German currency and concentrating the wealth of the country in the hands of a group of men.

### State Bank Guaranty Law

**O**NE of our readers who has suffered from a bank failure criticises the state bank guaranty law. He calls attention to the number of bank failures that have occurred among banks operating under the law.

It is true that a good many banks have failed which were operating under this law but no more, I think, in proportion than among banks not operating under this law, and certainly the depositors in the banks operating under this law are in better condition than they would have been if the failed bank had no guaranty protecting its depositors.

Now there should be some amendments to that law, most certainly. One is that where a banker makes excess loans he should be subjected to a severe penalty; at present, thru some oversight in framing the law, while it is a violation of the law to make excess loans, there is no penalty provided for the violator. In a recent bank failure in Kingman, it was found that more than \$125,000 of the depositors' money had been lent to three of the relatives of the president of the bank, and every one of the loans was an excess loan and a clear violation of the law.

If bankers were required to keep strictly within the provisions of the banking law, there would be very few bank failures and in every case the bank guaranty law would afford ample protection to the depositors.

### Faith in Humanity

**I**F YOU believe, as you say, that there is more dishonesty in the world than there used to be, you must be losing faith in humanity," says a reader.

No, I am not losing faith in humanity. I like these human animals pretty well and am glad to say that as I grow older I have a more tolerant and kindly feeling toward them, but I do not wish to shut my eyes to what seem to me to be self-evident facts.

Our civilization is vastly more complex than it was even a few decades ago. Men and women are subjected to many more temptations than were the men and women of the past generation. Life is more strenuous; there are vastly more things to enjoy, and as these desirable things increase in numbers, men and women will strive for them and do things that do not comport with the moral standards of the past.

The average man and woman is a composite of good and bad, but there is more of good than bad. However, there is enough bad in each of us to make devils of us if not kept under restraint, and there is enough good in each of us to make us first class angels if the good is de-

veloped and all of the bad is entirely suppressed.

I never have known a man so good that he wasn't in danger of going to the bad and I never have known one so bad that it did not seem to me, under the right sort of influence and environment from his infancy, he probably would have been an estimable citizen.

### Too Much Ambition Unsafe

**A**MBITION is a fine thing if kept under proper control; if not kept under proper control it is likely to get the possessor into serious trouble. There was a time in the life of Napoleon when he might have settled down to a long and prosperous reign in France. He had cleaned up Europe, and France was proud of him. He had great talents as a civil administrator and might have ranked in history as the foremost statesman of his time as well as the

### Memories of An April Day

BY CARROLL LOUPE

**I** HAVE a picture to hold,  
 Etched on my memory clear,  
 Out of a bygone spring  
 Of a half-forgotten year.

Evening—a misty rain  
 At the close of an April day—  
 A tall young soldier lad  
 Ready to ride away—

Pale apple blossoms dripping  
 At the end of the lane—  
 A girl in a cloak of midnight blue,  
 Her dark hair kissed with rain.

The years as they hurry past  
 Bring April nights again,  
 And blossoms—but never the soldier lad  
 Who rode away in the rain.

greatest soldier; but he dreamed of being the monarch of the world, or at least the dictator of nations. Here his ambition got the better of his judgment and he failed, miserably failed.

It is, of course, a far cry from Napoleon to the governor of Kansas, but here again, in my opinion, ambition is going to ruin the political future of a man whose name might have gone down in history as a fine executive of a great state.

He was elected because some forty or fifty thousand Republicans voted for him, altho running as a Democrat.

Shortly after his election he stated that he had not been elected because he was a Democrat and left it to be inferred that he did not expect to run a partisan administration. Then there was hung before his eyes the glittering prize of the nomination for the Presidency. He evidently was made to believe that in order to further his chances he must build up a political partisan machine. Apparently he fell for that and has conducted the most partisan administration seen in this state for a long time.

The inevitable tendency of this policy will be to draw party lines and when party lines are drawn a Democratic candidate has no show to win.

### Corporations and Business

**T**HIS is an age of organization, corporate organization. It does no good to curse corporations; they have come to stay and, in my opinion, the corporation is the most effective device evolved by the mind of man for the convenient and efficient transaction of business. Individualism in business is very largely doomed, altho there must always be individual enterprise and individual initiative.

Before the farming business of this country can have an equal show with other lines of business it must be organized as other successful

business is organized, in the form of corporations.

Attempts to fix prices by act of Congress will not, in my opinion, solve the problem. Properly organized and honestly and efficiently managed farm corporations will solve the problem, in my opinion. These corporations must be owned by the workers themselves. The great majority must not be mere hired hands working for the corporations, but must own them and have a voice in their management. That does not mean that the management of the corporation should be left to a mass meeting; that, of course, would result in failure, but the workers must also be the stockholders and have a voice in the selection of the management.

### Don't Worry About Death

**I** HAVE an acquaintance who will very shortly pass his seventieth birthday. I observe that he is beginning to worry about death. I cannot think of any more useless waste of time than to spend it worrying about death. If it would add a day to the man's life, perhaps there might be some excuse for it, but if it has any effect on his earthly stay, the worrying will shorten it, not lengthen it.

As to what will come after this life, in my opinion that is merely a guess and one person's guess probably is as good as another's, but whatever the future may bring, it certainly will do no good to worry about it. Of one thing I am reasonably certain; if you are kindly, honest and industrious, trying to the best of your ability to do your fair part in the world, you will have no occasion to worry about any future existence.

### The McNary-Haugen Bill

**I** HAVE been asked to explain and give publicity to the McNary-Haugen bill designed to help the farmers and stock raisers in the present emergency.

As briefly as possible then, this bill proposes to do the following things: First, create an export corporation backed by the Government to the extent of 200 million dollars; second, create a commission to control this corporation; third, to lodge in the President the power, on advice of this commission, to establish tariffs on agricultural commodities sufficient to restore prices to their pre-war relationships with the general price level; fourth, it will grant the power to this corporation to buy, at the calculated fair exchange price, such surplus as may develop whenever it appears that the existence of such surplus is a depressing factor in the domestic market.

The first thing to be done will be to establish a fair ratio of prices by taking some 400 different articles and determining what would be a fair exchange price among them; that is to say, determine what, for example, would be a fair price for wheat and corn and cattle and hogs as compared with the average prices of the 400 different articles.

It has been determined, let us say, that wheat should be selling at \$1.53 a bushel if the price was up to the general average.

How will it work out? Let us assume that the farmers of the United States will produce 500 million bushels of wheat, while the home demand calls for only 600 million bushels. We have a surplus of 200 million bushels to export, but the price of this wheat in the foreign market is only about \$1 to the producer. It is less than that now.

The Export Corporation will purchase this surplus at \$1.53 and fix the price to be paid by buyers all over the country at that price. All wheat buyers will be required to take out a license and report the amount of wheat purchased. The Export Corporation then would sell the 200 million bushels in the world market at a loss of 53 cents a bushel, but this loss would be distributed over all the wheat sold, both for foreign and domestic consumption.

Counting the cost of handling the wheat at 4 cents a bushel, it is estimated that the average loss a bushel would be about 17 cents. The wheat

buyer would be asked to pay the wheat raiser, for us say, \$1.36 cash and in addition give him 17 cents a bushel in scrip. When the sale of the crop is completed, the loss is again prorated, and if it amounts to less than 17 cents a bushel, the holder of the scrip will receive the difference between the actual loss and 17 cents, in cash. If, for example, the loss amounts to only 13 cents a bushel, the holder of the scrip would receive about 25 per cent of the face of his scrip. In other words, he would get all told \$1.40 a bushel for his wheat instead of the present price.

I have used wheat just by way of illustration. The same rule would apply to other farm products included within the general average.

Now as to objections: Millers object because it would compel them to pay above the world market price and, as they claim, prevent them from exporting flour.

Private exporters will be put out of business necessarily, because if they export at a loss, as the Government corporation proposes to do, there is no way in which they can recoup their losses.

The further objection can be urged that if an artificial price is fixed, it necessarily will stimulate production and increase the surplus. If wheat raisers could be assured of \$1.53 or even \$1.40 a bushel, I am of the opinion that the acreage of wheat would be greatly increased. If the surplus is increased, of course the loss to the Government corporation will be correspondingly increased and this loss, under the terms of this bill, eventually would come back to the wheat raiser. The same thing would be true of other products whose production was stimulated by the operation of the law.

In order to make the bill at all workable, a tariff would have to be imposed on the protected product high enough to keep out all foreign products of like nature. If, for example, Argentine raised wheat at such a price that it could be brought to either New York or Galveston for 75 cents a bushel, then either there must be a tariff of at least 75 cents a bushel, or a complete embargo must be laid on importations. The same rule, of course, would apply to other farm products protected by the McNary-Haugen bill.

But if we place an embargo on foreign imports, it seems likely that we must expect that the countries affected by such embargo will retaliate. Then the question arises, "Will the advantages to be derived from this exclusion more than compensate for the losses incurred from be-

ing shut out of foreign markets?" There is something to be said on both sides of that question and I am leaving it for the intelligent readers of the Kansas Farmer and Mail and Breeze to think over.

This never has been a free trade country; while the two great political parties have differed about tariff policies and tariff schedules, there has not been a tariff measure enacted during the last half century at least which has not been a protective tariff, but even the most radical advocates of protection have gone scarcely so far as to advocate a policy of complete exclusion or embargo, but that is the principle on which the McNary-Haugen bill is based.

### Farmers' Service Corner

READERS of Kansas Farmer and Mail and Breeze are invited to ask questions on legal problems or on any other matter on which they desire information. This service is free. The tremendous demand for this service makes it impossible for us to print all of the answers, but every inquiry will be answered by mail.

#### Who Must Bear the Loss?

The school board hired a teacher to teach 158 days of school with two days counted out for holidays, making eight months of school. A disease broke out so that the school had to stop for a few days. Does the district have to pay for the days not taught when the contract called for 158 days of school?  
M. S. B.

The teacher would be entitled to collect for the full period of the contract.

#### Concerning Durability of Stucco

Can you tell me how long stucco will hold on a house?  
R. A. M.

This depends entirely upon the manner in which it is applied and the way the stucco is mixed. Some stucco will not hold on a house long enough to dry and become hard while good stucco, properly proportioned and properly applied on a good base, such as wood or metal lath, will hold indefinitely.

#### Rights of an Adopted Child

A young couple having no children of their own adopted a boy. We understand that he would inherit from his father's estate the same as an own child but if the mother dies does he inherit from his mother's father's estate the same as his mother would have done had she lived or does the inheritance cease with his adopted father?  
E. L. N.

The Oklahoma law in regard to adopted children

states that an adopted child has all the rights of a natural born child but that an estate coming to this adopted child from his own blood relatives is not inherited by his father or mother. My understanding of this law would be that this adopted child would have all the rights of a natural born child and if so he would inherit his mother's estate from her parents.

#### Refund of Inheritance Tax

About four years ago A became owner of a certain piece of property willed to him by a relative. This will was probated by the probate judge in A's favor. As soon as the will was probated the state demanded inheritance tax from A. A paid the tax about one year ago or more. Now comes B who claimed this property and brought suit to take it away from A. Judgment was rendered in favor of B. As A paid inheritance tax to the state does the state have to pay this tax back to A and how long will A have to wait for it or how long a time has A got before his claim can be allowed?  
N. F.

Unquestionably A should recover the amount of inheritance tax which he paid as it seems under the decision of the court he has no inheritance. However, there is only one way I know of in which he can get his money back and that is thru an appropriation made by the legislature.

It would do him no good to sue the state, in fact there is no way in which he could sue the state. His best plan will be to present his claim to the next legislature and ask that the money wrongfully paid as inheritance tax shall be refunded to him and try to get the legislature to make an appropriation for that purpose.

#### Is It a Valid Mortgage?

A owns a farm and makes a deed or will to his son, B, but retains a life lease on it. B gives a mortgage on it to secure the debt owed by himself. Will the mortgage be good at A's death?  
S. R.

The mortgage was given subject to this lease or life interest and when that expires the mortgage would naturally become a first lien on the land.

#### Division of Estate

A and B own 320 acres of land in Kansas. It is an undivided tract. B sells to C his undivided oil and gas lease for a term of five years. A rental of \$1 per acre each year is to be paid B. Now C wishes to divide this tract so that each one can do as he likes. A refuses. Can C force a division of this oil and gas lease?  
C. H. L.

In my opinion he cannot. B might go into court and ask for a partition of the property and if his petition is granted that would automatically divide the oil and gas lease but so long as the property is undivided I think that B would have a right to participate in any oil or gas that might be found on any part of the 320 acres.

# A Critic in Need of Information

RECENT issue of the Semi-Weekly Farmers' News Dispatch of St. Paul, Minn., says: "An interesting coincidence in the current news is the Senate speech of Capper of Kansas, demanding from the 'undeniably prosperous railroads' substantial reduction of freight rates on farm products, and the report of President Budd of the Great Northern showing that that railroad system, despite an unprecedented volume of business, unusual co-operation with employees and the increased efficiency of operation that is general, had a net return for 1923 of only 4 3/4 per cent."

"When Capper says the farmers 'have no Section 15-A to insure them a profit and a fair return or even a living' he obviously intends to convey that that provision of the Transportation act does insure the railroads a profit—in other words, that the Government guarantees such profit. Such a statement or such an inference as this taints and discredits whatever else the Kansas politician said. . . . We do not believe the public can longer be fooled by misstatements of the effect of this section of the Transportation act, but political blatherskites may be expected to persist in them."

"Doubtless Budd would be gratified if lower rates were possible in the circumstances, for he points out some of the elements of rail operating costs which force high freight rates and which in the common interest should be lowered. Notably high are the taxes loaded upon the rails, the Great Northern having to pay \$9,200,000 in 1923, as against half that sum in 1913. . . ."

"Capper says he is not 'hostile to the railroads'; we are inclined to believe he is hostile to the farm industry in urging a reduction of railroad revenue calculated to reduce the transportation service, the quality of which means more to the farmer than the lower rates for which the demagogic clamor."

#### Farmers Practically Wrecked

A weekly newspaper purporting to be published for farmers should at least be conversant with the common facts of the farmers' situation—not that of the railroads. Instead, the Semi-Weekly Dispatch talks like a railroad organ. It is the farmers that are being wrecked, not the railroads. Excessive rail rates besides penalizing them, are keeping them out of markets they might otherwise enter. To mention just one instance, high freight rates have for three years kept the great hay-shipping industry more than in two, reducing it 58 per cent as recently testified

to by President N. C. Campbell of the Kansas City Hay Dealers' Association, before the Interstate Commerce Commission.

On January 24 I presented the appeal of 5 million farmers to the Senate for an immediate reduction of freight rates on farm products and the repeal of the so-called guaranty and rate-making section, known as 15-A.

This is demanded by three great Nation-wide farm organizations—the Grange, the Farmers' Union and the American Farm Bureau Federation. Does the Dispatch contend that these 5 million farmers and these three great farm organizations are "hostile to the farm industry" and are creating a demagogic clamor?

#### Agriculture in Critical Condition

Agriculture is in a more critical condition today than were the railroads five years ago when the roads appealed to the Government for aid and got it. But altho our railroads now are prosperous, Canadian farmers can ship their wheat to markets in this country cheaper than an American farmer can, owing to lower Canadian freight rates.

In regard to Section 15-A insuring the railroads a profit, can anyone truthfully say that this is not and has not been its effect?

It is true that statements issued by railway publicity agents and railway bookkeepers and put before the public over the signatures of railway heads, show net returns of less than 6 per cent for 1923. But these returns were based on the property value of the railroads, as the editor of the Dispatch himself must know, and do not in any way represent the actual net earnings of the roads on what has been invested in them.

Railroad net earnings in 1923 broke all records. They are near the billion mark. They probably will be found to exceed \$6,000 a mile of line. The greatest previous earnings were \$5,178 a mile in 1916. Twenty-seven railroad systems including three great Western lines show earnings on capital stock during 1923 ranging from more than 10 per cent to nearly 27 per cent.

It is estimated that the profits of all the roads during the year 1923 would pay a dividend of 10 per cent on the aggregate capital stock of all the lines in the United States.

Therefore I find it quite justifiable to say that the railroads are prosperous, a fact testified to by the active demand for railroad shares in Wall Street. For example, in the week ending February 2, 1924, 32,000 shares of Santa Fe, 86,000 shares of Erie and approximately 105,000 shares of

Wabash changed hands on the stock exchange. Wall Street is not deceived in regard to the prosperous condition of the railroads and the Dispatch editor needn't be.

Altho "lame duck" roads do exist among the prosperous systems, and always have, the country may well rejoice over the prosperity of the railroads, a prosperity to which it has contributed handsomely for the last three and one-half years. It may now quite properly ask, and it is asking, whether the amount of the contribution should not be substantially reduced in the interest of a more stable prosperity for the country, as well as for the roads themselves.

The railroads have been helped over their period of collapse. Manufacturers have been protected by import duties. Labor has had the assistance of the Labor Board. But the farmer goes it alone.

The Dispatch refers feelingly to President Budd's plea that taxes are "loaded upon the railroads."

Doubtless the railroads do find increased taxes burdensome. But the fact is notorious that while the roads enjoy rates based on the value of their property, they are taxed on a valuation far below this rate-making value. On the other hand, the National Grange is authority for the statement that taxes paid by farmers the country over are about equal to the rental value of the land.

#### The Man Who is Overtaxed

The farmer is the man who is overtaxed. He is in fact the highest taxed man. The National Industrial Conference Board finds that "the farmer has paid and still pays more taxes in relation to income than any other group in the United States."

Farmers cannot continue to sell their products at scarcely better than before-war prices and pay from 40 to 75 per cent higher freight rates, when other industries are not required to, and that is the secret of their demand for lower rates.

Because of the sweeping, all-inclusive method of rate-making—a departure from the former method of charging what a product can afford to pay and be shipped—farm products are compelled to bear more than their share of the transportation charges. Accordingly it is borne in on farmers that the only way they can obtain a fair and sane valuation for rate-making is to abolish Section 15-A of the Transportation act as it now stands in our statutes.

*Arthur Capper*

Washington, D. C.



# News of the World in Pictures



Prince Leopold, Heir to Belgian Throne and His Sister, Princess Marie Jose, Who May Figure in a Unique Royal Wedding in Rome Soon



Congress Decides to Continue Work on Black Canyon Dam on Payette River Between Nampa and McCall, Idaho



At the Left is Roxie Stinson, Who Gave Sensational Testimony Before Senate Committee, Investigating the Attorney General



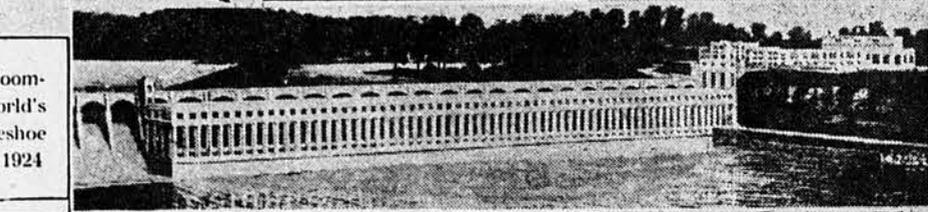
On the Right, Con Van Natta, Administrator Capper Fund for Crippled Children and Two of His Little Pals Who Bank on Him; He Serves Without Salary



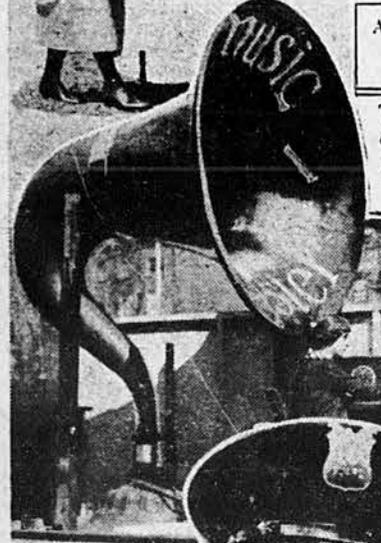
Margaret Cecil, Who Came to America to Attend Wedding of John Cecil, Secretary British Embassy, and Cornelia Vanderbilt



Mrs. C. A. Lanham of Bloomington, Ill., Who Won World's Championship in Horseshoe Pitching, February 21, 1924



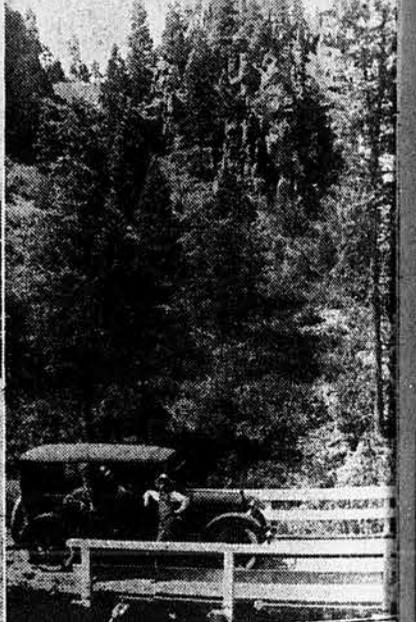
Architect's Drawing Showing the Wilson Dam at Muscle Shoals, One of the Greatest Engineering Projects Ever Undertaken



The World's Largest Loud Speaker Built Especially to Furnish Radio Show of the New York Edison Company With Music



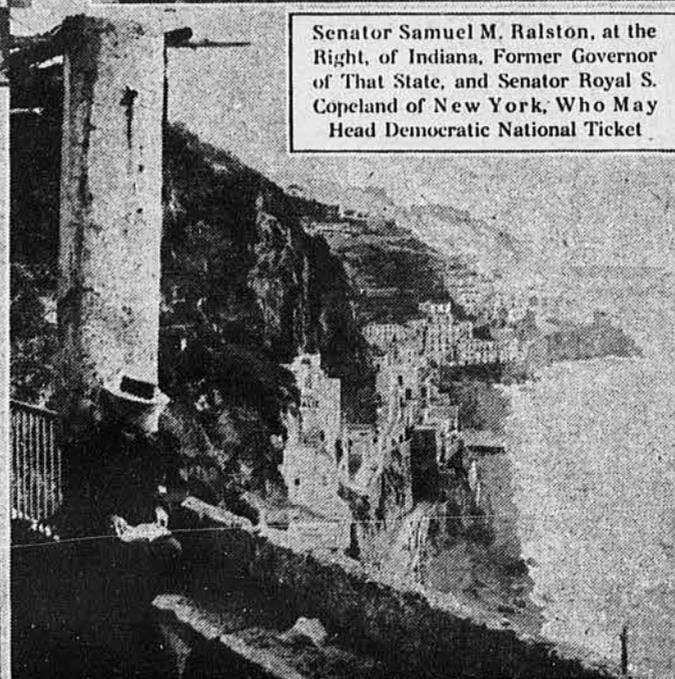
Senator Samuel M. Ralston, at the Right, of Indiana, Former Governor of That State, and Senator Royal S. Copeland of New York, Who May Head Democratic National Ticket



Beautiful Scene Along the Phantom Highway Between Canon City and Grape Creek in Colorado



Benjamin C. Fink, Veteran Guard of Navy and War Building, Who Rescued "Tige," White House Tom Cat, When He Recently Wandered Off and Lost His Way



Famous Seaport of Amalfi, Italy, Near Naples, Which Was Swept by a Landslide Recently That Killed 100 Persons and Rendered Many Thousands Homeless



Mrs. Edward B. McLean of Washington is Shown Here Wearing the Famous Hope Diamond, Known As the World's "Bad Luck Jewel"; It is Attached to the Shorter Necklace

## Koehn Believes In Diversity

**D**AVE KOEHN of Plains is milking seven cows, from which he has an income of \$25 a week. He also has 150 chickens, which are doing very well in egg production just now. From these sources he can obtain a living, even if his 400 acres of wheat, now in excellent condition, should fail.

### "And Among Other Articles"

**T**IMES change and every day brings out something new. For the first time in the history of this paper, there was offered for sale in a farmer's auction notice, a radio receiving set. Years ago there was livestock; then farming implements, eventually cream separators, automobiles, pianos, phonographs. For the first time, came in a sale bill in which was listed along with the disk harrows, fruit jars, dining room chairs, White Leghorn chickens, a radio set.—Clay Center Times.

### Automotive Exports Are Heavy

**T**HE year 1920 has gone down in the annals of the automotive industry as breaking all records for shipments to foreign countries. Yet 1924 has begun even more auspiciously than did 1920. The total value of automotive exports from the United States during January was \$18,465,202, as compared with \$16,892,651 in January, 1920, an increase of 9.3 per cent. Compared with the \$10,787,344 worth of automotive exports in January of last year, the increase was 71 per cent.

### Wheat Yields 200 Bushels?

**J**OE CRANE, of Larned, who was visiting recently in Lane county, reports a wheat yield there of 200 bushels an acre, on this hypothesis: The field was hauled out in June. An insurance company paid a 90 per cent loss. The owner later threshed 20 bushels of wheat an acre off the remaining 10 per cent. If 20 bushels an acre is 10 per cent, 100 per cent would of course be 200 bushels, if the Lane county algebra is correct!

### Farmers Diversify at Plains

**T**HE value of the farm produce shipped from Plains for the first 56 days in 1924 is valued at \$55,960, or more than \$1,000 a day. This was distributed as follows: 519 cans of cream, \$5,760; 273 cases of eggs, \$2,050; 20 coops poultry, \$300; 15 barrels of dressed turkeys, \$750; two cars of poultry, \$5,760; seven cars of mules, \$12,600; 12 cars of cattle, \$12,000; four cars of hogs, \$4,000; eight cars of barley, \$8,000; two cars of milo and kafir, \$2,000; and two cars of wheat, \$2,800.

### To Increase the Cotton Acreage

**M**ORE than 1,000 acres of cotton will be planted this year in Montgomery county. Seed from last year's crop, the first to be raised in that county in 30 years, will be used. A gin will be constructed before fall. The crop of last year paid well.

### Stronger Interest in Bees

**I**N A recent article O. J. Jones of Wichita, president of the Arkansas Valley Beekeepers' Association, says that the production of good honey in Kansas has increased 300 per cent in the last 10 years.

### More Co-operation in Shipping

**F**ARMERS' Union Livestock Shipping Association was organized recently at Morganville. The directors are Herbert Nelson, George Young, Arthur Oberg, D. C. Ross and O. W. Strom, Anton Peterson is manager.

### To Sow 5,000 Acres of Flax

**F**IVE thousand acres of flax will be sown in Greeley county this year, according to Simon Fishman of Tribune. He had excellent success with this crop in 1923, the average yield being 12 bushels an acre.

### Doesn't Believe in Feeding

**T**WO years ago a Central Kansas high school boy selected cow feeding as his home project in vocational agriculture. His dad had the cows and consented to let the boy care for one as part of his school work, but said he had no feed to waste in experimenting. If the youngster teacher who persuaded him to embark upon the project could pay for the feed. The boy accepted the condition and selected a Holstein cow which had produced about 50 pounds

of milk a day soon after freshening. It was not long until she had dropped to 42 pounds. The boy had been milking the cow and keeping a record on her production so that he knew how much milk she had given since freshening.

Under stimulation of a better ration supplied by the boy her production returned to 50 pounds and eventually rose to 54 and 55 pounds of milk a day. The father had been feeding the cow alfalfa hay and allowing her all the grass she cared to eat. The boy added some grain. Because the father had been supplying the hay and grass, the boy was not required to furnish that, but he was charged with the grain. Between the time the boy began feeding the cow a balanced ration and the end of her lactation period she earned \$70 above the grain cost. Her milk sold for \$1.40 a hundred pounds.

Up to this point the story is just like many others. Anybody could guess the ending. But in this case the father did not change his methods of feeding. He continued the hay and grass ration, the cow which was used by the boy was returned to her place with the others and the whole lot is barely paying for the trouble they cause.

### Raises 200 Tons of Rhubarb

**I**N THE Neosho Valley near Chanute lies a 30-acre rhubarb farm, said to be the largest in Kansas. Walter Chappell, its owner, expects to harvest about 200 tons this season, an average run of about 6 or 7 tons of rhubarb an acre. Chappell is known thruout the state as "The Kansas Rhubarb King."

"But I don't accept the title," Chappell says, "for instead of being a king in this business, I am



The Open Season on Skunk

entirely a subject and the 'weather man' is king. He has given me some awful wallops. Prospects are favorable this season. We have had cold weather much of the time since the first of the year and this has prevented the rhubarb and fruit crops from developing prematurely and thus becoming susceptible to late freezes."

The early cuttings of rhubarb bring the most favorable prices, Chappell said. One of the worst blows suffered from unfavorable weather occurred three years ago, he added.

"Rhubarb will stand considerable cold weather—even frost and snow—but a hard freeze will kill the crop," Chappell related. "Three years ago there was an active market in the early spring and I had a fine stand. I was sending the rhubarb as fast as it was cut to Chicago, by express, receiving 6 cents a pound for it. A hard freeze came along and left the crop, 35 acres, flat on the ground. I figured that cold snap cost me around \$15,000."

Chappell is a member of the Neosho County Board of Commissioners, and is on the state board of directors and the national advisory board of the Co-operative Wheat Marketing Association.

### A Considerable Crop, at That

**T**HE world's production of wool in 1923 was 2,604,911,000 pounds, or about 66 million pounds less than in 1922. The decrease is due mostly to a reduction in the Australian clip.

### That's Not So Bad

**W**ILLIAM HOLLE of Herkimer reports the following livestock production on his farm recently: One sow produced 18 pigs, four ewes had twins and one ewe produced triplets.

### Was Seed Treatment Needed?

**J**UDGE for yourself whether seed treatment was needed in this case. George Allen, a Kaw Valley potato grower, ran a co-operative demonstration on his farm last year. One plot planted from seed subjected to the hot for-

maldehyde treatment for 6 minutes yielded at the rate of 259.6 bushels to the acre. The average of the check plots on each side which were planted from the same seed untreated was 107.2 bushels to the acre. That made a difference of 152.4 bushels in favor of treating. The treatment cost about \$1 an acre.

Yield increases of 132.2 and 92.6 were obtained where the seed was subjected to formaldehyde 4 and 2 minutes respectively. There are still growers in the Kaw Valley who do not believe that seed treatment for control of diseases pays.

### Limestone Increased the Yields

**A** YEAR ago L. P. Kindred of Bonner Springs purchased a few tons of ground limestone. He planted cowpeas on the land to which this was applied, and got an increase in yield of 50 per cent. He has ordered two cars more of limestone.

### The Jersey Breeders Organized

**T**HE Montgomery County Jersey Breeders' Club was organized recently in that county by farmers interested in the progress of this breed. Special attention will be paid to boosting calf clubs. The officers are F. P. Applebaugh, Cherryvale, president; Mrs. Wallace Ogden, Coffeyville, vice-president; and Bert Rice, Cherryvale, secretary-treasurer. The directors are Mrs. Wallace Ogden, Bert Rice, F. P. Applebaugh, E. W. Mock, A. P. Brooks, Harry Barragar and Roger Frye.

### Larger Acreage for Legumes

**R**ECENT reports from practically all Kansas counties indicate a much greater interest in legumes. It is likely that the acreage of alfalfa, especially, will be increased considerably this season, if the soil conditions are favorable next fall at seeding time. L. E. Call, professor of agronomy in the Kansas State Agricultural College, believes that 5 million acres of the 21 million acres of crop land in Kansas should be used for the legumes. He thinks that half of this 5 million acres should be sown to alfalfa, and that Sweet clover should be second.

### Buy Marshes for Ducks

**S**PORTSMEN of Kansas hope to enlist federal aid in purchasing marsh land in the state where ducks, geese and other migratory birds may rest from their flight and feed, according to Robert E. Israel, president of the Sedgwick County Fish and Game Association. This task will be undertaken, says Mr. Israel, when a majority of counties of Kansas have organized fish and game associations.

### Lohse Believes in Kanota

**L**AST year Henry Lohse of Hanover grew 20 acres of Kanota oats that produced an average yield of 72 bushels an acre. Just before planting time this year a germination test indicated that 94 per cent of the grain would sprout. Mr. Lohse is a member of the Kansas Crop Improvement Association.

### 'Rah for the Cottonwood

**A**COTTONWOOD tree on the Janney farm near Garfield is 75 feet high and 25 feet 9 inches in circumference. It was planted in 1876 by Mamie Janney.

### Kimmel Believes in Sheep

**C**LAUDE KIMMEL of McLouth has obtained excellent results with his flock of sheep, and he believes this industry will grow rapidly in Kansas. He received 39 cents a pound for his wool last year; the average weight of the clip was 10 pounds, but one animal produced 13 3/4 pounds. The lambs sold for 14 cents a pound.

### Better Flocks Are the Rule

**A**DECIDED improvement in the poultry on the average farm has been a feature of the development of Kansas agriculture in the last five years. This is a mighty encouraging item in the growth of diversified farming.

### Where the Red Apples Grow

**A**BOUT 1,200 carloads a year of apples, on an average, are shipped from Doniphan county. This is a feat that some other county might duplicate with profit.

### Fighting the Insects?

**D**AMAGE from insects is increasing, taking the country over. More effort will be required in the coming years in keeping these pests in check. If you have trouble with insects, and wish to get additional information to aid in the warfare, it is probable that the Department of Entomology, Kansas State Agricultural College, Manhattan, Kan., will be able to help you.

## Planted Flax When Oats Froze

**W**HEN the oats crop was nipped by a late freeze last spring, J. B. Goldsmith, near Bartlett in Labette county, planted flax. It was his first venture with that crop in 23 years. "But I am no hand to seed a second crop of oats when something happens to the first planting," said Goldsmith, "and I decided to try flax again. The 17 acres produced 117 bushels of seed for which I was offered \$3 a bushel. I used the straw for mule feed."

## Sheep Had a Nice Ride

**R**ECENTLY A. L. Stockwell of Larned shipped a carload of sheep to Kansas City. Ted Price, another Pawnee county stockman, was on the Kansas City market the day the flock arrived. He purchased the sheep and sent them back to Pawnee county. It is reported that the sheep enjoyed the outing.

## This Sudan Grass Paid

**L**AST year S. C. Stevens of Smith Center produced 30,000 pounds of Sudan grass seed from 50 acres, which he sold for 6 cents a pound. This amounted to \$1,800, or \$36 an acre.

## An "Island of Progress"

**G**ARDEN CITY is "an island of progress surrounded by a sea of commercial and agricultural prosperity." That is the way the Garden City Chamber of Commerce puts it out and then produces figures to prove it. A compilation of the shipping from Garden City last year shows a total of 2,841 cars—all of them over the Santa Fe—as follows: Wheat 394 cars, barley 56, oats 23, kafir and milo 64, cane seed 13, alfalfa meal 577, baled alfalfa 200, hogs 35, cattle 306, dried beet pulp 90, ice 131, fruit and vegetables 19, broomcorn 10, sheep eight, horses and mules 36, sweet potatoes 30, sugar 200, corn 15, eggs 18, poultry four, paper two, junk nine, wool one.

## Sugar Beets from Pawnee

**T**WO growers, J. C. Browne and M. O. Chaffee, shipped 20 carloads of sugar beets from their farm near Burdett, Pawnee county, last season to the Garden City sugar beet factory. This factory, by the way, produced 9 million pounds of sugar from the crop of 1923.

## Grain Crops Did Well

**A**CCORDING to reports, Pat Lovelock of Haskell county made money last year. He grew 4,000 bushels of milo, a large amount of kafir and cane, and more than 1,500 bushels of corn.

## Clears \$3,000 From Place

**D**IVERSIFIED farming permitted J. W. Maddox to clear \$3,000 above all expenses from his land in Kingman county last year. He has half a section. Of the 160 under cultivation, only 50 acres are sown to wheat. Mr. Maddox milks eight cows the year around. The skim-milk is fed to his 1,000 White Leghorn chickens. He had one sow which had five litters the last two years. From these litters 62 young pigs were raised for the market. Mr. Maddox raised 75 bushels of corn to the acre from land that was formerly in alfalfa. He is a firm believer in the rotation of crops. Three sons help him in solving the labor problem.

## Cross Breds Beat Purebreds

**C**CROSS-bred pigs, some feeders contend, make better gains than purebreds. This occurs especially where the purebreds lack thrift and vigor. Perhaps there are instances where cross-breds have failed to make as good gains as purebreds, but the experience of W. J. Tod at Maple Hill indicates that crossing has a beneficial ef-

fect on the feeding ability of resulting offspring.

Some years ago he tried breeding Poland China sows to Duroc Jersey boars. He placed the cross-bred pigs in a feed lot with some purebred Durocs and Poland Chinas. All had the same feed and care. The 200 head were all about the same age, having farrowed within a period of four to five weeks. The cross-bred pigs weighed 16 pounds more than either group of purebreds at the same age and at the end of the feeding season.

Dan Casement, of Manhattan, has practiced cross-breeding to produce feeders during the last few years. He contends that the cross will attain a desirable market weight in less time than

to 2,200; in 1922, to 2,700; in 1923, to 4,500, and in 1924 the acreage is expected to be 6,500 to 7,000. Shawnee county has taken the lead in seed treatment. Between 1917 and 1923 the acreage increased 100 per cent and at the same time the average acre yield increased 24.3.

Most growers use corrosive sublimate. Co-operative tests with Kansas State Agricultural College the last two years indicate that the hot formaldehyde treatment is a little more effective in increasing yields than the corrosive sublimate. It is simpler to give and requires less time. It will be tried another year before definite recommendations are made.

## Coffee Cows in United States

**T**HERE are 3 million coffee cows and 750,000 tea cows in the United States declare dairy statisticians of the United States Department of Agriculture. That is to say, the quantity of milk and cream used in tea and coffee in the United States is equivalent to the production from that many cows.

Coffee consumption is around 1 billion pounds annually or approximately 40 billion cups. This requires 40 billion ounces of cream, the milk equivalent of which is 12½ billion pounds, or practically one-eighth the total production of milk in the United States.

## Robins Peddles Vegetables

**W**HEN Sam Robins began producing more vegetables than consumers at Cimarron would take, he developed a trade in surrounding towns. Now practically all of his produce is hauled to Dodge City.

## The Wealth of Kansas

**T**HE wealth of Kansas is estimated by the Department of Commerce to be \$6,263,058,000, as compared with \$4,543,785,000 of 10 years ago. Per capita values increased in this time from \$2,611 to \$3,492, or 33.7 per cent.

## Butter Sold by Mail

**L**AST year a co-operative creamery at Ravenna, Mich., sold 200 tons of butter direct to consumers by parcel post. The business has been built up by H. S. Averill, manager, who got the idea from an order mailed to him by a postal clerk in Detroit.

This clerk had spent a vacation in Ravenna and liked the butter served at the hotel so well that he began buying it by mail when he returned home. He told fellow employes about it and they ordered in the same way. That gave Averill his idea and he developed the business.

## Work Stock Pays Way

**B**Y USING brood mares for work stock, E. L. Phelps, 6 miles northwest of Quinter, in Gov. county, makes his farm power pay its way. The mares produce a foal each year and Phelps breaks and sells them. Five mares do all the work on his three quarter sections. The foals are a valuable by-product which pay for the keeping of mares and he receives their work free of charge.

Phelps grows 80 to 100 acres of both corn and wheat every year. While that section of Kansas is not considered a good corn region, he says judging from his experience that crop is as safe as wheat. He has 30 head of Shorthorns, of which half are calves. The increase from his herd are either sold or fattened out as calves. Cane, kafir and millet constitute his roughage production.

## These Cows Were Profitable

**C**OWS in the Kansas cow testing association last year produced on an average 6,500 pounds of milk and 27½ pounds of butterfat apiece. The average cost of the feed was \$10 and the return above the cost of the feed was \$10.

## Money From Insurance Firms

**T**HERE are 280 life insurance companies in the United States lending money on farm mortgages. Reports from 52 of the leading ones indicate that about 200 million dollars were advanced on mortgages last year.

## Talk About Your Appetite



the purebred. He has found also that the cross-bred litters are larger and a greater portion of the pigs farrowed live to become weanlings.

But the crossing must not be carried beyond the first generation. The breeder who would profit from the crossing must maintain a herd of purebred sows and a purebred boar of the other breed. The same results are not likely to be had from breeding the cross-bred gilts. Casement makes only the first cross.

## Hens Buy a Farm

**A**FLOCK of Leghorn hens have bought a farm for Lee Smith and his wife of Barton county. Settling there a few years ago, Mr. Smith took a job as a farm hand. Later he and his wife decided to go into the poultry business and obtained a large flock of hens. Thru proper feeding and care, they were able to obtain high production during the winter months when egg prices are high. The proceeds went into land and the farm now is clear.

## The World's Largest Steer?

**U**NCLE BING," the world's largest range steer, raised by Lee Greathouse of Garden city, has been sold to a Missouri breeder. The steer is 5 years old, and at the county fairs where he was exhibited last fall, tipped the scales at about 3,000 pounds. His new owner expects to put him on feed and bring him up to 2 tons.

## Forty-Four Bushels for a Dollar

**P**OTATOES at 44 bushels for a dollar are mighty cheap. Don't try to buy them for that. But if you are a potato grower and do no better than the average farmer of the Kaw Valley you can get that amount for a dollar. By spending \$1 an acre in treating their seed, growers averaged 44 bushels increase to the acre last year.

In 1919 the acreage planted from treated seed was 300. In 1920 it increased to 1,000; in 1921,



Harvesting Alfalfa in the Kansas River Valley; When a Farmer Adopts a Good Crop Rotation, With Plenty of Attention to Legumes and Livestock, He is Certain of Getting the Largest Net Return Over a Series of Years for the Investment of Labor and Capital

# Fordson

**TILLAGE DAYS** are peak load days on every farm.

Many times unsatisfactory work results from the use of horses, soft from the winter layoff.

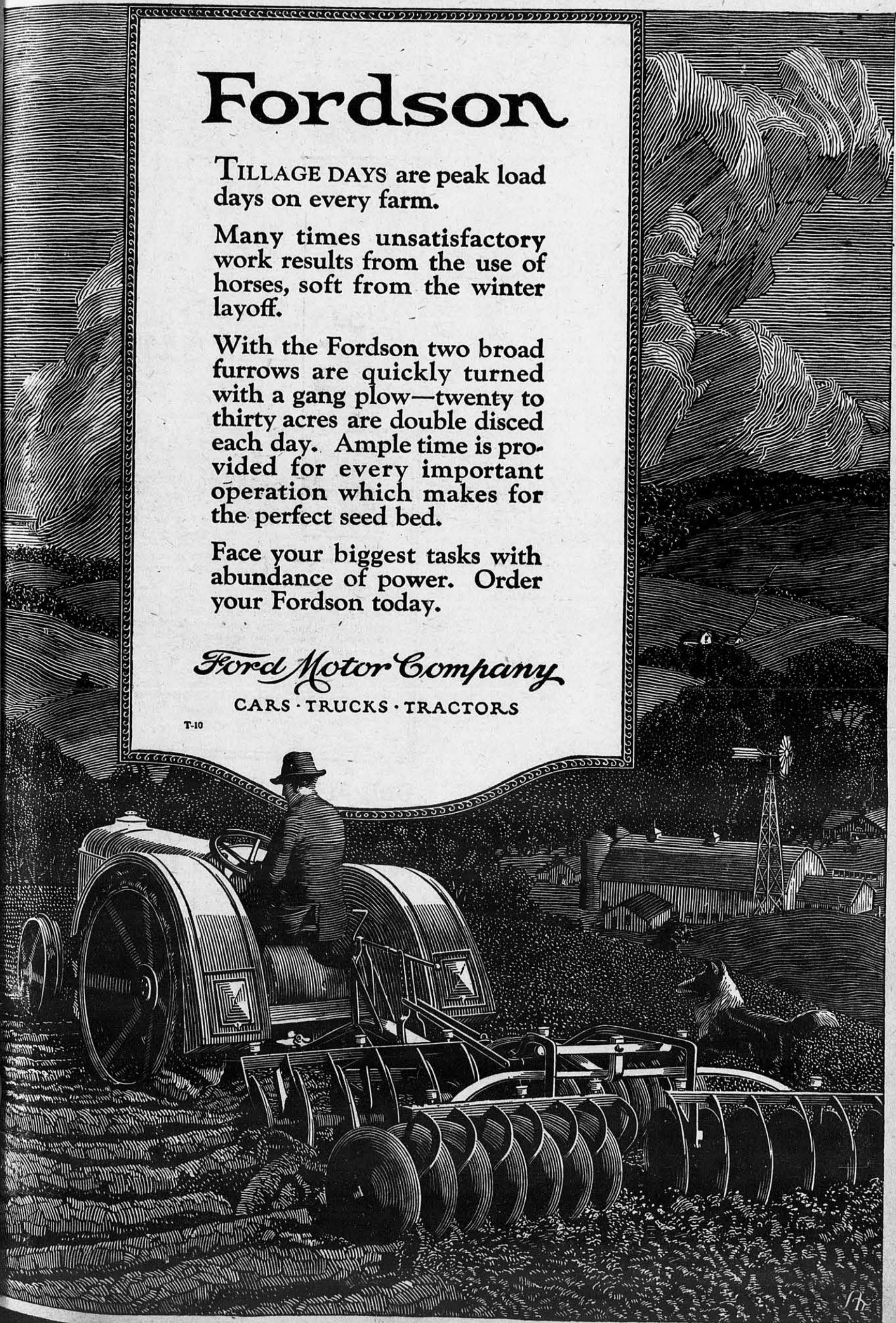
With the Fordson two broad furrows are quickly turned with a gang plow—twenty to thirty acres are double disced each day. Ample time is provided for every important operation which makes for the perfect seed bed.

Face your biggest tasks with abundance of power. Order your Fordson today.

*Ford Motor Company*

CARS · TRUCKS · TRACTORS

T-10



## Farm Organization Notes

### Western Kansas Truck Growers Plan to Grow Melons That Will Rival Rocky Fords

BY JOHN W. WILKINSON

MEMBERS of the Western Kansas Truck Growers' Association met recently at Dodge City and matured plans for an aggressive year's work in boosting the truck industry in Western Kansas. Many growers believe that the irrigated sections in that part of Kansas can be made to rival the famous Rocky Ford district in Colorado in the production and sale of cantaloupes.

Members of the association are planning to conduct an experiment this year with a view to perfecting a cantaloupe of special quality and uniformity that will make the Dodge City district famous.

A 60-acre tract, well irrigated, has been set aside by the association and this tract will be planted to melons—nothing but melons—this spring. The growers are raising a pool for the expense and the profits will be divided among those in the pool.

If the enterprise is successful this year, it is probable that a larger acreage will be put into melons next year.

According to present plans, growers will deliver melons daily to a central point where an experienced grader or sorter will supervise grading and wrapping. The melons will be marketed according to size and will carry a special label. Local wholesale grocers have offered to co-operate with the growers.

Among those around Dodge City who are interested in the project are: Will Robbins, W. V. Brown, J. H. Hulpien, W. B. Wasson and a number of prominent growers.

#### Club Workers to Hays Round-Up

More than 100 boys' and girls' club teams are in intense training this week for the Hays Round-Up, scheduled for April 25-26.

The first day will be devoted to judging work by teams representing the seventh and eighth districts, six classes will be judged: Breeding sows or gilts, dairy cows, draft mares, beef bulls, beef cows and fat barrows.

The second day of the contest will be devoted to explaining the results of experiments conducted during the year. Many breeders and feeders from all over the state attended the annual event.

#### Practical Example of Grange Service

One of the practical examples of Grange service to the rural people of America is seen in the Grange fire insurance companies scattered all over the United States, and which especially flourish in New York, Kansas, Pennsylvania, Michigan, Oklahoma, Colorado and Washington. A glimpse of the magnitude of this branch of Grange work is afforded in the state

of Pennsylvania alone, where there are 23 mutual fire insurance companies, carrying a total aggregate of policies for farmers of 102 million dollars, with an increase in business for 1923 of 24 million dollars. The largest company has 19 million dollars of risks in force and the next over 18 million dollars. The saving to farmers thru this co-operative business plan, under Grange auspices, amounts to millions of dollars every year, not only in the lower rates secured by those who are policy holders in these companies, but in the immensely lower rates on farm insurance in general, which results from the competition of these big Grange companies.

#### U. S. Wheat Council Disbands

Having accomplished the purpose for which it was organized, the Wheat Council of the United States has terminated its activities.

In closing its work, Sidney Anderson, president of the Wheat Council, says:

"As a result of the Wheat Council's activities, the attention of the country has been focused on the wheat problem. Every interest touching directly or indirectly the production, marketing, manufacturing and consumption of wheat and wheat products has given constructive help in outlining relief measures.

"The Wheat Council was organized in Chicago in June, 1923, by a group of agricultural leaders and business men to enlist the services and sympathetic support of the entire country to save the agriculture of a large portion of the United States and to prevent the serious financial consequences to the country as a whole.

"The Council called together a group of the best agricultural experts of the country and formulated a wheat production program which has been accepted generally by the agricultural colleges and other agencies taking the leadership in production problems."

#### New Agent for Shawnee

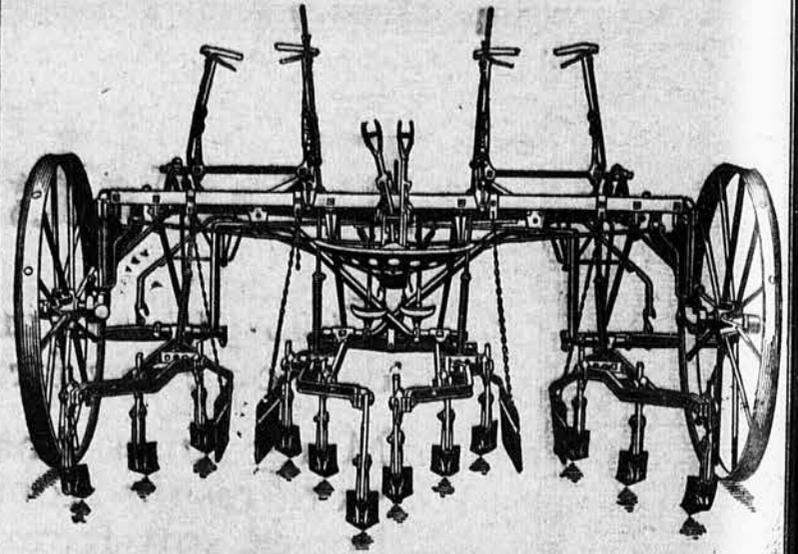
W. W. Thompson, county farm agent for Shawnee county, has resigned his position and will engage in business in Topeka. He will be succeeded by W. H. Metzger who has a long and successful record to his credit in county agent work in Kansas. The Shawnee County Farm Bureau is to be congratulated on being able to obtain his services.

#### Diversified Farming in Johnson

Adoption of a program of diversified farming as the major undertaking of the Johnson County Farm Bureau and the Olathe Chamber of Commerce during the coming year is being urged



Post-Investigation Days



## McCORMICK-DEERING CORN CULTIVATORS

"Money-making farms are those on which most work is done in least time, with least labor. Try to increase your yield per acre, cut down your labor cost, diversify, cultivate more rows. Modern equipment, well handled, is the key to most profitable farming and makes farming pleasanter, too."

### The Two-Row Cultivator Is Your Answer

Never before has the value of the two-row cultivator been so evident. This year every short cut must be used, yet the farming job must be done better than ever. You can do this with a two-row cultivator. If you wish, you can go over the corn an extra time or two, yet your labor cost will be considerably less than your usual cultivation with a one-row cultivator.

In fact, the points in favor of two-row cultivation are so numerous that you will surely wish to talk to your local McCormick-Deering dealer about the light-running, easy-to-handle McCormick-Deering two-row cultivator. Ask him also about a new International or C B & Q corn planter. Planting and cultivating must be done unusually well this year. Let the tools in the McCormick-Deering line help you.

### INTERNATIONAL HARVESTER COMPANY

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**Only \$1424**  
Down For  
**2 H.P. WHITE**  
(Throttling Governor)  
Easy Terms on best engine  
built. Burns kerosene, distillate, gasoline or gas. Change power at will. Equipped with the famous WICO Magneto. Other sizes, 2 to 25 H.P.—all styles.  
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The Pellet Form—Single Doses

Vials of 50 doses — 10c PER DOSE

### BLACKLEG FILTRATE

(Germ-Free Vaccine)

Vials of 10 and 50 doses — 12c PER DOSE

### BLACKLEG AGGRESSIN

(Germ-Free Vaccine)

Vials of 10, 20 and 50 doses, 15c PER DOSE

PURCHASE OUR BLACKLEG VACCINES FROM YOUR VETERINARIAN OR DRUGGIST

ANIMAL INDUSTRY DEPARTMENT

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## Fly a New Flag Over Your Home



3x5 Ft. In Size

### The Emblem Of Freedom

The hearts of patriotic Americans beat more quickly at the sight of the stars and stripes. Let it be a fresh, clean flag that flies from your home, store or factory. It is only a short time until we celebrate Memorial Day and Flag Day.

### There's One For You

We were fortunate recently to secure a limited number of attractive flags 3x5 feet in size. They are sewed (the only durable kind) and the colors are guaranteed not to fade. One of these high-grade flags will be sent to you without cost on receipt of \$2.00 to pay for two yearly subscriptions to Kansas Farmer and Mail & Breeze. Your own renewal may count as one. Address

Kansas Farmer and Mail & Breeze  
Flag Dept., Topeka, Kan.

by business men and farmers who were members of a party which recently made a two-day tour of Bourbon county and studied dairy farms and a condensery there.

The advantages of such a program are being outlined thruout the county, and the movement for such a plan of work is gaining support rapidly.

The tour of Bourbon county revealed the possibilities in dairying on a large scale, and all who were members of the party agreed they were benefited by the trip.

**Many Join Kansas Wheat Pool**

The business men as well as the farmers of Kansas are manifesting great interest and enthusiasm in the big wheat pool movement. For example, in Phillips county the directors of the County Farmers' Union have set as their goal 600 contracts for the pool. The first man to sign the contract in that county was A. W. Warner, president of the Bank of Phillipsburg, said to be the oldest banking institution in the county. Four McPherson business men signed the big pool contract at a meeting the other day, their total acreage sown to wheat this year being 3,480 acres.

In Reno county where approximately half a million bushels already have been signed into the big pool, the farmers have gotten the co-operative idea to the extent that they will eat only raisin pie for dessert because raisins are marketed co-operatively.

**Worth a Billion to Farmers**

"The McNary-Haugen bill is worth a billion dollars to the farmers of this country and everybody will share in their increased prosperity," declared Gray Silver, Washington representative of the A. F. B. F., before the House Agricultural Committee. He continued: "The purchasing power of exportable commodities will be equal to that enjoyed before the war. If this bill, which a large number of farm organizations including the American Farm Bureau Federation are anxious to see passed, had been in operation during this last year the wheat farmers alone—and the bill applies to many other farm products—would have received at least 325 million dollars more for their wheat crop than they will under present conditions."

**Butler Cuts Wheat Acreage**

Indications are that the acreage planted to spring crops in Butler county this year will be the largest in the history of the state. The wheat acreage last fall was reduced by one-third and this will be sown to spring crops. Many farmers are planning to plant large acreages of oats. Most of them will use the Kanota variety. This has been found to be the best for that section of the state. Much corn and grain sorghums also will be planted.

**The 400 Bushel Club**

The "Four Hundred Bushel Club" is the newest farmers' organization in Kansas. It also is the most exclusive. To belong to the upper crust of society is no recommendation for entrance unless the applicant lives in Kansas and can produce 400 bushels of potatoes to the acre. The club is sponsored by E. A. Stokdyk, plant pathologist at the Kansas State Agricultural College.

**Will Pool Wool Again**

The Montgomery County Wool Growers met recently at the city hall in Independence and agreed again to pool their wool and fat lambs. Old officers were re-elected. They are as follows: C. M. Bole, Sycamore, president; W. W. Krone, Sycamore, vice-president; and H. M. Coe, secretary-treasurer.

**Beware of Untested Seed**

George Sidwell, agricultural agent of Ness county, reports that out of 11 samples of seed which he secured in Ness county for germination tests, four of them germinated less than 75 per cent. The lowest testing sample came from a man having 125 bushels of Sumac sorghum for sale. His seed germinated only 51 per cent.

**Texas Co-operative Livestock Sales**

The Texas Farm Bureau Federation announces that the Cattle Raisers and Producers' Commission Company, which began operations in November, 1923, has handled 158,000 cars of livestock at a total value of \$4,048,370.60.

# TEN YEARS' PROGRESS



for Economical Transportation

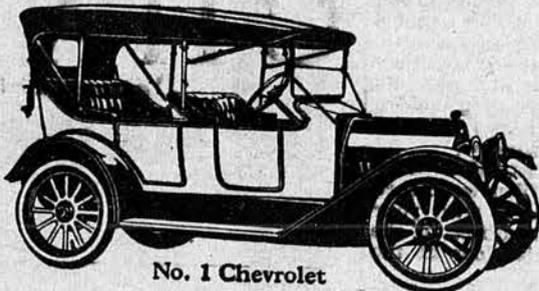


**1914 SPECIFICATIONS**

Horsepower, S. A. E.	21.7
Weight	2500 lbs.
Tires, 32 x 3 1/2, fabric	(about 4000 miles)
Top	Two-man, with side supports
Gas feed	Air pressure
Windshield	Folding
Rims	Detachable
Cooling	Thermo system
Rear axle gears	Straight teeth
Oiling system	Splash
Chassis lubrication	Grease cups
Back curtain light	Celluloid
Side curtains	Stationary
Finish	Paint, air dried
Gasoline mileage	About 18
Service brake	Clutch combination
Wiring harness	Open
Insurance rating	B
Terms	Cash
Service stations	About 1000

**1924 SPECIFICATIONS**

Horsepower, S. A. E.	21.7
Weight	1880 lbs.
Tires, 30 x 3 1/2, fabric	(about 8000 miles)
	(Cord tires on all closed models)
Top	One man
Gas feed	Suction
Windshield	Double ventilating
Rims	Demountable
Cooling	Pump circulation
Rear axle gears	Spiral bevel
Oiling system	Pump, forced feed
Chassis lubrication	Alemite
Back curtain light	Glass
Side curtains	Open with doors
Finish	Baked enamel
Gasoline mileage	About 24
Service brake	Separate brake pedal
Wiring harness	In conduits
Insurance rating	A
Terms	As desired
Service stations	About 20,000



No. 1 Chevrolet

Price, 1914, \$1000



Present Chevrolet

Price, 1924, \$495

**T**HE pronounced leadership of the automobile business in restoring the old-time purchasing power of the dollar is best illustrated in the increased quality and decreased price of a Chevrolet.

These reductions in prices have more than doubled the purchasing power of the consumer's dollar when buying a Chevrolet, although the specifications and design show marked increase in quality.

Big volume production made these economies possible. Note

the ten years' record of Chevrolet sales:

**Ten Years' Record of Chevrolet Sales**

1914— 5,005	1919—151,019
1915— 13,500	1920—155,647
1916— 69,682	1921— 77,627
1917—125,399	1922—242,373
1919— 93,814	1923—483,310

We are the world's largest manufacturers of quality cars, having attained this leadership through offering the utmost possible per dollar value in modern quality automobiles.

Before buying any car at any price **See Chevrolet First.**

**Chevrolet Motor Company, Detroit, Michigan**

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Prices f. o. b. Flint, Mich.

Superior Roadster	\$490
Superior Touring	495
Superior Utility Coupe	640
Superior 4-Passenger Coupe	725
Superior Sedan	795
Superior Commercial Chassis	395
Superior Light Delivery	495
Utility Express Truck Chassis	550

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Five United States manufacturing plants, seven assembly plants and two Canadian plants give us the largest production capacity in the world for high-grade cars and make possible our low prices. Dealers and service stations everywhere. Applications will be considered from high grade men only, for territory not adequately covered.

## The Rescue of Anne

BY EDGAR FRANKLIN  
(Copyrighted)

### A Story of Real Pep in the Rebuilding of an Almost Ship-Wrecked Business

**SYNOPSIS**—When her father died Anne Briston, who was barely 21 years old, suddenly found herself left almost alone with Mrs. Lewis, her elderly companion, with no knowledge of her father's business or general affairs. James T. Briston made few confidants, but John Mole, his executor and attorney, and young Burton Fraim were included in that list.

These gentlemen in due season called upon Anne and advised her of the vast amount of money and property left her by Mr. Briston, including the large plant and equipment of the Briston Soap Manufacturing Company which Mr. Mole sold for \$100,000 subject to the approval of the new owner. Anne, however, refused to approve the sale, because she knew that the plant was worth a million dollars or more. The interview terminated by Anne's dismissing the attorney and making a careful inspection of the plant herself.

Enraged at the deplorable conditions she found there Anne discharged the manager, the superintendent and most of the other employes except the assistant superintendent, Mr. Nixon, who forestalled such action by voluntarily resigning and starting out of the building. As he moved away Anne called to him and urged him to wait for a further parley before leaving.

#### "Everything Has Been Wrong"

In the corridor the assistant superintendent stopped with a jerk, faced about once more, stepped into the office, and, halting, stood stiffly, looking over Anne's head and out of the window beyond.

The proprietor of the establishment glanced at the document in her hand with slightly startled eyes. It was a communication of extreme brevity, stating in two lines that the undersigned begged to tender his resignation to the Briston Manufacturing Company, same to take effect immediately. It was signed, in the same angular hand, "Peter T. Nixon."

Miss Briston laid it aside and turned to the writer.

He was not a bad-looking person, she observed. With some of his tremendous solemnity removed, he might have been quite good-looking, for he owned strong, regular features. He was long and lean, and, if a trifle ungainly just now, he gave one the impression of a quantity of good muscle

in fine trim. Also, he was rather young; at a guess Miss Briston called him twenty-eight—and the guess was a good one.

The bad points about Peter T. Nixon, though, seemed to be his unearthly gravity and a certain slovenly effect. No imagination was needed to picture the burden of the world as resting on his broad shoulders, upheld capably by dogged, patient strength. His eyes, which otherwise might have been clear, steady, and rather pleasant, were actually owl-like as they looked thru the huge, circular lenses of his shell-rimmed spectacles. The wiry fuzz denoted that he had not shaved that morning, and his clothes added to the effect with the thousand wrinkles they had accumulated since their last experience of the tailor's goose. Now was there even a hint of vain frippery in the gray flannel shirt that owned no necktie, or the shoes that displayed no shine.

Mr. Fraim's lip curled disgustedly. If this happened to be the type of executive the company was using at present, it was well indeed that Anne had come to accept the fellow's resignation. When he had been sent after the others, her day's work would not have been wasted.

Burton's feeling of disgust, however, as he noted with a little astonishment, seemed not to have reached Anne. She was looking Nixon over carefully. With a rising inflection that was almost friendly, she suddenly said:

"Why, I've met you before!"

The frowzy one permitted his grave eyes to drop to the level of Anne's face. Mr. Fraim fancied that a little of their gravity departed as they studied its delicate beauty and its frame of light hair, showing golden tints here and there where the sun flecked thru from the window.

"Three years ago—yes, Miss Briston," he said readily. "You went thru the factory that afternoon with your father. I had the little office in the northwest corner of this floor at the time."

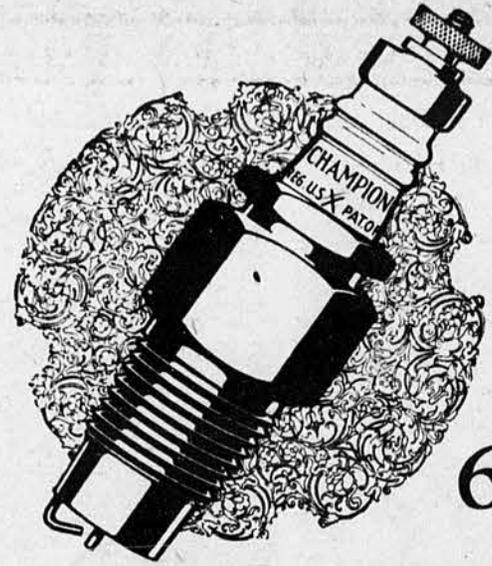
"Of course!" Anne agreed, and to Fraim's amazement her slim hand was extended. "I'm glad to see you here still, at least, Mr. Nixon!"

The solemn young man had the temerity to shake the hand—not timidly, but with a grip that brought a flitting smile to Anne's lips.

(Continued on Page 15)



Eventually, Why Not Now?



60¢

## Champions on Ford for 12 Years

It is a significant tribute to Champion dependability that Champions have been standard on Ford products for 12 years.

They are also equipment on the entire range of motor cars, including 70 per cent of the makes

selling for \$2,000 and upward.

More than 90,000 dealers sell Champions. You will know the genuine by the Double-Ribbed sillimanite core. Champion X is 60 cents. The Blue Box 75 cents.

Champion Spark Plug Company, Toledo, Ohio  
Champion Spark Plug Co. of Canada, Ltd., Windsor, Ont.

# CHAMPION

Dependable for Every Engine



## "Good Lubrication COMES CHEAPER THAN REPAIRS"

Most farmers now realize that proper lubrication is the cheapest thing they can buy in connection with an automobile, truck or tractor. Good lubrication, such as is easily possible with Cities Service Oils, reduces depreciation, cuts out most of the repair expense, and makes automobile, truck or tractor give good service twice as long as it would with careless lubrication. Many farmers are now buying Cities Service Oil in drums—a separate grade for each lubrication requirement—and it pays them. Get Cities Service Oils from Cities Service trucks, stations or dealers for better and more economical motor lubrication.



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FORT WORTH

# The Voice of the People

## Opinions and Comments of All Kinds by Our Readers on Leading Topics of the Day

**D**URING the year of 1924 we desire to have as many of our readers as possible write us briefly their views on topics pertaining to state and National matters that they think would be of interest to our subscribers.

Address all communications intended for this department to R. M. Sanderson, Voice Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.

### Our Rural Schools

The greatest needs of our rural schools are equipment and better cooperation. Many of the rural schoolhouses were built many years ago and are loaded down with mice and bird nests. Make a survey of the schools and find out how many of them have seats and desks to suit the individual pupil. Many large children are obliged to sit in seats that are far too small for them, which is very tiresome to them. How many are equipped with playground apparatus, which is about as necessary as the text books, and how many schools have been supplied with the proper fixtures to make the serving of warm dinners possible?

A playground can be fitted with swings and totter boards at a small cost. If the school directors do not have the necessary funds in the treasury, a well advertised box supper at the schoolhouse will usually net a nice sum. Don't forget the box of candy for the most popular lady. This often brings in more money than the box supper.

Another thing that a rural school should adopt is the nine months' school term. Our rural children are required to learn as much in eight months as the city pupils do in nine, which is hardly fair.

Our children of today will be our men and women of tomorrow. We must give them the best we have to make them fit for the ever progressing situation they are required to face in the future.

Clara B. Sharpe.  
Valley Center, Kan.

### Industry and Economy

A great deal of thought and effort is being directed toward co-operative organization as being the only way for the farmer out of his present difficulties.

We are confronted with very adverse conditions and I do not remember a time when it was more difficult to keep out of the "red" than at the present time. But it must not be forgotten that after all one's own success or failure depends more on his own individual effort than on anything that some one else may do for him. Some farmers devote more thought to co-operation than to their own individual affairs and they are to be admired for their public spirit. No progress would be possible without public spirited men.

Whether the Government can do anything for farmers is perhaps debatable, but whether it is going to be extremely doubtful. It seems to me to be an absolute necessity for us to "buckle" in and make every minute of the working day count and to do without those things which are not absolute necessities. Industry and economy alone will bring that degree of financial independence that makes co-operation successful. It ought not to be necessary for farmers to practice self-denial more rigidly than other classes but it seems to be that way for the present at least.

M. D. Bartlett.

R. R. 4, Olathe, Kan.

### Farmers' Plight Not Realized

Nearly every day we read in certain papers statements like the following: "I hear so much about the farmers being abused and robbed that it makes me tired." "I am tired of hearing farmers and their friends insisting that the Government should pass laws for their especial benefit." "As if legislation could be made a panacea for all their ills. The farmer will have to work out his own salvation." "No law can help them out." "I am getting tired of hearing these and other slurring remarks made about the farmer. In the first place,

no farmer ever claimed that legislation could relieve all his troubles; but that it could help.

Do you know that the first law ever put on the statute books of our country was a tariff law? And bad as the country needed money, the only idea was not revenue but the idea of protection to home manufacturers was prevalent in Congress even at that early day. The history of our country shows that manufacturers and protection grew up together and nobody claims that, "Legislation can do nothing for manufacturers." On the contrary, everybody knows that legislation has been the great factor in building up the enormous manufacturing interests of today; and everybody knows how the railroads have been built and kept up by grants of land

and Government loans and appropriations at times when they needed help.

Do you know that the first telegraph line ever built in our country was built by an appropriation made by Congress? Now, after we have seen the Government step in, at the nick of time, and set these "infant industries" on their feet and nourish them all along the way, aye, and are still nourishing them, and realize what enormous industries they have grown to be, are we going to say, "The Government can do nothing for the farmer?"

Hays, Kan.

S. Sites.

### A Diversified System is Best

There is too much one-crop farming. The fertility of the soils of this country is declining at an alarming rate. There should be more livestock farming and a larger acreage of the legumes. Cherokee County

H. K. Hill.

"It can't be done," said a hog producer one day last fall while looking at a litter of pigs raised to a ton of pork in 180 days from birth. Yet 39 litters, owned by 34 Ohio farmers, did it.

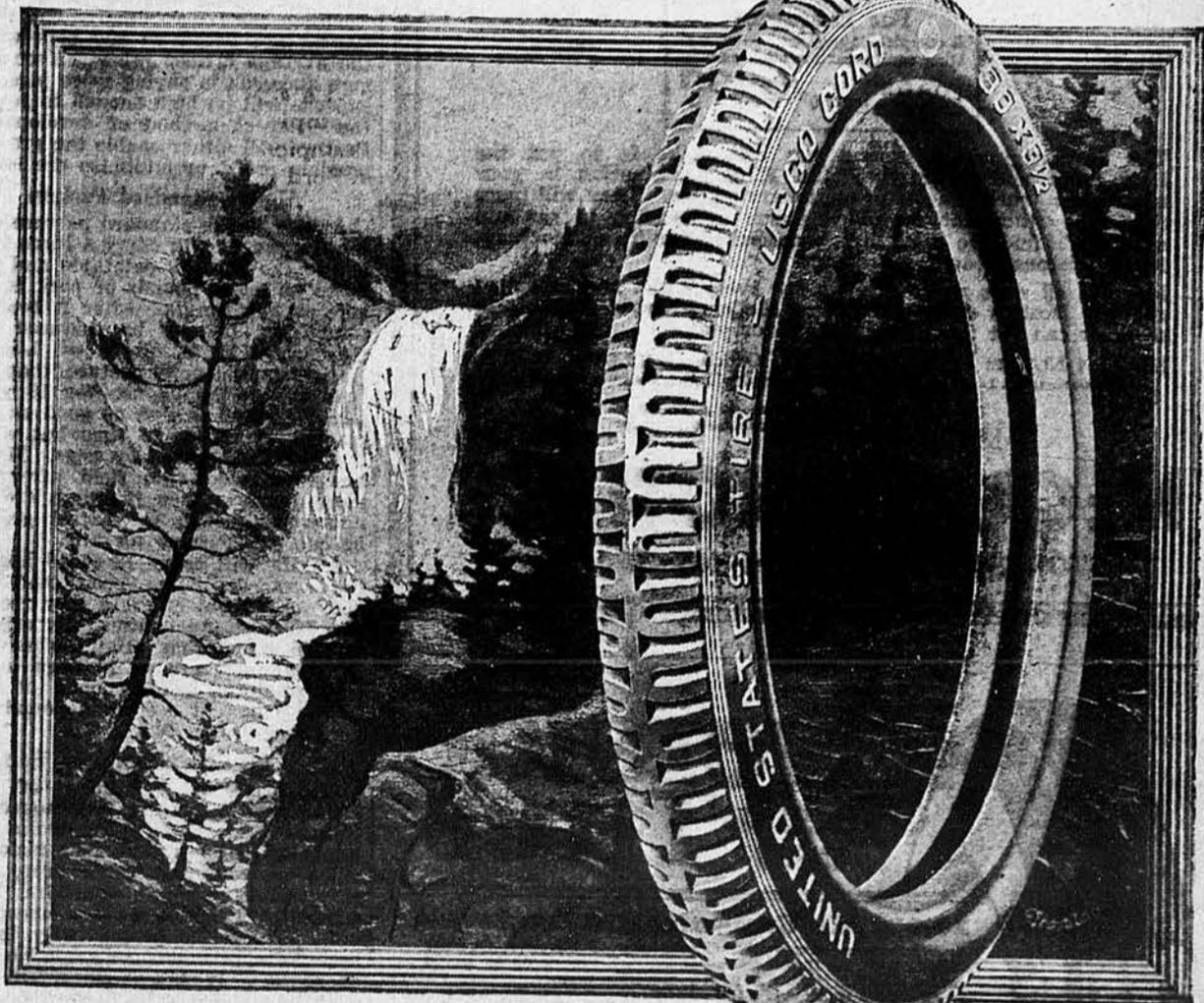
Brave the Wind and Storm in the best wet weather togs ever invented the **FISH BRAND REFLEX SLICKER** (PATENTED) TOWER'S FISH BRAND "The Rainy Day Pal" A. J. TOWER CO. BOSTON



**Household** The Household is a complete woman's magazine, read by over five million readers each month. If you care to make beautiful things in fancy needlework, if you enjoy stories interesting and inspiring... the Household will surely please you. There are a number of other fine features in the Household such as the Patterns Department, Hints and Recipes, Household Hints, a page for little folks, etc., a wonderful bargain for the small price of 10 cents. We want you as a new friend. Send in your dime today for an 8 months trial subscription.

**8 Months 10 Cents**

Household Magazine, Dept. 66, Topeka, Kan.



Great Falls of Yellowstone National Park, Painted by Magnus Norstad

© U. S. Rubber Co., 1924

**A** GOOD many men believed, some months ago, that they weren't going to see any further great progress in low-priced tire values.

When the USCO Cord was announced and a few thousand pioneers tried it out, it changed their whole conception of what a low-priced cord can be.

It is an established

thing that the USCO is the only cord that compares with the U. S. Royal Cord in money's worth and economy.

USCO Cords provide a low-cost cord equipment for light sixes and fours in both clincher and straight-side. The clincher is made in 30 x 3 as well as 30 x 3 1/2.



Trade Mark

United States Rubber Company

# USCO CORD

Now ~~75¢~~ **75¢** each



McQUAY-NORRIS LEAK-PROOF PISTON RINGS

Now ~~50¢~~ **50¢** each



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## Pigs Thrive on Pasture Sash

### Wider Use of Forage Crops in Making Kansas Pork Will Lower Production Costs

BY M. N. BEELER

PASTURES make cheap gains. And when a man starts his pork making project with a pig that cost from \$5 to \$6 at weaning time he needs all the cheap feed he can get. That is especially true when the spread between corn and pork prices is narrow.

Dr. C. W. McCampbell has estimated that the average pig at weaning costs approximately \$5. That estimate is based upon the average litter and the average number of pigs saved therefrom in Kansas. Prof. E. A. Trowbridge of the Missouri Agricultural Experiment Station, estimated the cost of a weanling pig to be equal to the value of 4 bushels of corn, 1 bushel of oats, 10 pounds of tankage plus \$2, or a total of \$5.36 on the basis of 65 cents for corn, 40 cents for oats and \$72 for tankage.

Anybody who can save more than four pigs to the litter can reduce his weaning costs accordingly, but these figures are based on the pigs which the average farmer raises. Even if a man succeeds in saving more pigs, his expense will be high enough to justify the cheapest method of development. Pasture will either enable the greatest possible profit or minimize the losses.

#### Alfalfa Standard Pasture

Alfalfa is the standard pasture crop for Kansas. It will carry a large number to the acre, is palatable and will make as many pounds of pork to the acre as any forage. After it becomes established it may be pastured continuously. E. S. Coyle of Lincoln, Kan., has a 9-acre pasture that has been in continuous use for 15 years and the stand is just as good as that planted at the same time but which has not been grazed by hogs. He intends to reseed the field after two more years. When the hogs are not numerous enough to control growth, he cuts the surplus for hay.

Alfalfa will carry 12 to 18 hogs to the acre, depending upon their size and the amount of grain they receive. The Missouri Agricultural Experiment Station found that alfalfa when pastured at the rate of 10 hogs to the acre produced 591.8 pounds of pork to the acre. At 6 cents a pound this pork was worth \$35.51.

#### Rape Provides Abundant Forage

Hog pasture possibilities of rape have been generally overlooked by Kansas farmers. It is one of the most hardy pasturages and will make as much pork as any other crop, with the possible exception of alfalfa. It is especially valuable as an emergency crop. It can be seeded early in the spring and will become available in a short time. It may be planted in summer for supplementing permanent pasture when drouth checks growth of bluegrass, alfalfa and similar crops. It is resistant to frost and will provide green forage after most other crops have been killed.

Early sown rape may be permitted to stand until fall when it will make new growth or succession plantings

will keep fresh pasture coming on thruout the summer and fall. Rape will carry up to 20 hogs to the acre and has made nearly 400 pounds of pork in five months of grazing. On the basis of 6-cent pork, rape should return \$15 to \$25 to the acre.

Sweet clover is the first permanent pasture available in spring under Kansas conditions. Growth begins ahead even of alfalfa and bluegrass. If it is pastured closely or clipped with a mower it will provide succulent pasture all summer even when other forages are dormant. In the first season it will continue growth until killed by frost.

#### Sweet Clover Makes Pork

The carrying capacity of Sweet clover is second to no other forage during its growing season. From 15 to 20 pigs to the acre will be required to keep it under control and even then mowing may be necessary. If a seeding is made the second spring on the same land first and second season growth will be available at all times. The crop will reseed itself and make permanent pasture.

O. B. Wenrich, Sumner county, and E. G. Hoover, Sedgwick county, use Sweet clover extensively in pork production and in maintaining purebred herds.

No crop will carry more hogs to the acre than Sudan grass and if the growth is kept under control so that stems do not become coarse and woody it will supply grazing about three months. It is especially valuable in section of the state where alfalfa is difficult to grow. H. A. Fischer of Ellis county, considers it as valuable as alfalfa. A small allowance of tankage or other protein supplement should be fed on Sudan grass and a little larger grain allowance may be necessary.

#### What Cane Will Do

The Kansas State Agricultural College found in a comparative test that Sudan grass was practically equal to alfalfa for maintaining brood sows during July and August. Even where permanent pasture is available, Sudan is valuable as a supplementary of emergency pasture crop.

In Western Kansas cane is used as a forage crop for hogs. It has a large carrying capacity, about 15 head to the acre, and is drouth resistant. It does not become available so soon as some other crops and the grazing season ends with frost. The Missouri Experiment Station produced 275 pounds of pork to the acre in 86 grazing days. This made the cane worth \$16.50 an acre when pork was selling at 6 cents.

Soybeans seeded alone are hardly worth while as a green pasture, but they can be used in an emergency. They are especially valuable as a supplement to pastured corn. They are planted either in the corn or in an adjoining field so that the hogs have access to them at maturity.

(Continued on Page 29)



# Riverside Tires

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And this guarantee is fifty-one years old. It has back of it fifty-one years of straightforward dealing.

#### Quality Gives the Mileage

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Urbana, Ohio.

"I have been using Riverside Cord tires for some time and think they are great. I have got more service out of them than any other tires I have ever used. When I need tires again I will buy the Riverside."  
Alfred L. McNay  
Williamstown, Ky.

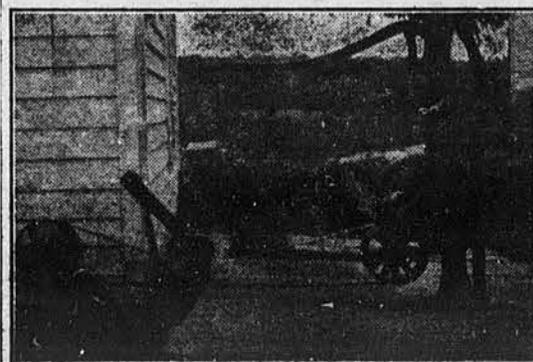
"Would say that the Riverside tires are all right. I have been in the Delivery Business for ten years and find that the Riverside Cord tires last longer than other tires, even those costing a great deal more money."  
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Chicago Kansas City St. Paul Portland, Ore. Oakland, Cal. Ft. Worth New York Atlanta, Ga.

## Good Kink in Line Shafts

BY D. R. VAN HORN

IN A small wash house of good design is to be found a unique arrangement whereby provision is made for operating the pump from the inside. The engine is within the house, out of the weather, and belted to the line shaft which operates the washing machine. Near the floor is found a shorter line shaft, one end of which extends thru the side of the building. An 8-inch pulley is keyed to this end in line with the pumpjack.



Most belts stretch with wear. To eliminate the necessity of shortening the belt from time to time, the owner bolted a small pulley wheel to a piece of heavy strap iron and bolted this to the corner of the building. The weight of the idler keeps the belt tight at all times, yet there is no danger of pulling it in two or throwing the jack out of line, when a shrinkage occurs because of wet weather.

# Are you going to do your own Threshing?

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Make your tractor earn more money by using its power for threshing and after your crop is in the bins, you can make an extra profit by threshing for your neighbors.

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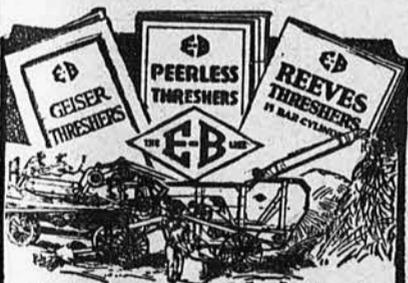
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## The Rescue of Anne

(Continued from Page 12)

"Anne!" her impressive friend began, in a way that threatened to become habit. "If you—"

"So you're resigning, Mr. Nixon," the owner of the works pursued. "Why, if I may ask?"

"Well"—the assistant superintendent almost smiled—"I understand that you're making a clean sweep, and I'd rather resign than be dismissed. I've held this job ever since I left college, six years ago, and I'd prefer not to be fired from my first position."

"Six years—really?" said the owner of the plant. "You ought to know what's wrong here, then?"

Mr. Nixon hesitated an instant, lost in a frank, dreamy admiration of his late employer's daughter that was far from missing Burton Fraim. Then he said slowly:

"Everything has been wrong here, Miss Briston. The general manager was crooked—at least, he must have been that or a fool, and he didn't look like a fool—and everybody he hired was crooked. Marsh was crooked as a ram's horn, and the few departments Wharton has left running—why, they are crooked, too—where they weren't lazy," he concluded, with bland candor. "They've run the business into the ground. I've been expecting a shut-down for six months."

### A New Superintendent

"Stop expecting it now, then, because it isn't coming," Miss Briston said sharply. "How much do you know about this business?"

"You mean running it?"

"Yes."

"Practically everything," Nixon said calmly.

Mr. Fraim, who had quite wearied of the inspection with which the assistant superintendent was favoring his employer, permitted his stick to rattle the floor sharply.

"That's ridiculous!" he said. "Why is it ridiculous?" Mr. Nixon inquired. "I've been here ten hours a day for six years, and practically everything that's been done in the last year—that amounted to anything—has been done by me. Go out and ask any of the foremen."

"As a matter of fact, it isn't ridiculous at all!" Anne contributed sharply. "What salary have you been drawing, Mr. Nixon?"

"Twenty-five hundred dollars."

"Very well. It's thirty-five hundred hereafter, and your resignation isn't accepted," said Miss Briston, as she tore the paper across and dropped it into the wastebasket. "I put you in charge of the works."

"Full charge, Miss Briston?" Anne considered heavily.

"Subject to my orders, of course. I'm going to direct the company personally after this."

Her oldest friend drew one short breath and compressed his lips, gripping his stick meanwhile. Mr. Nixon, on the other hand, exhibited only the purest pleasure; his sober countenance expanded in a slow smile, and for the second time in five minutes he was shaking the fragile hand of his chief as if bent on detaching it from the arm.

"Thank you!" he said. "A good many times, these last two years, I've grieved a lot to see this concern going to bits. If you really mean to rebuild it, Miss Briston, you can count on me twenty—yes, and twenty-four—hours every day. Sundays and holidays included. This is a chance that I haven't dared hope for!"

"You have it now," Anne said. "Where's your office?"

"In the far corner of the top floor," Nixon smiled grimly. "Marsh put me where I could see as little as possible."

"I see. Move down here at once."

"To—this office?" the assistant superintendent stammered.

Miss Briston's eyes narrowed in keen thought. On Mr. Fraim's temples veins were swelling, and they had almost reached the bursting-point before Anne said crisply:

"To the office next door, where I can get at you in a hurry—Wharton's. And, Mr. Nixon!"

"Yes?"

"Give your orders about moving the things, and then go in there and draw up a very brief statement of conditions at present. Bring it to me as soon as you have finished. That is all."

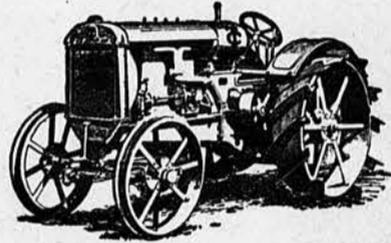
(Continued on Page 17)

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## TWIN CITY Tractor

Their answers will prove to you beyond any doubt the unusual power, sturdiness, long life and economy of the Twin City. You will see that the remarkable success of this machine has been built on sound design and quality construction.



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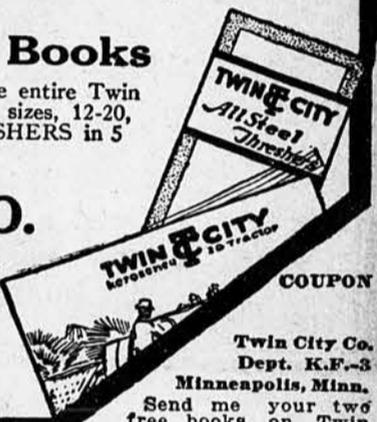
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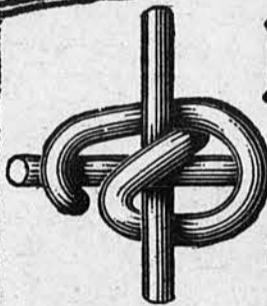
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# For the Little Folks in Puzzletown

Which is the longest rope on earth?  
Answers

12 13 17 18  
3 2  
4 5  
7 6  
8 9 21 14 15 16  
11 10 20 19

ROPE

Follow the Numbers With Your Pencil

The prisoner: There goes my hat. Shall I run after it?  
The policeman: What! Run away and never come back again? You stand here and I'll run after it.

### To Keep You Guessing

Read these riddles aloud to the family, withholding the answers, and see how many can guess them.

Which is correct—8 times 5 are 45 or 8 times 5 is 45? Neither. Eight times 5 is 40.

How did Lot's wife look just before she turned to a pillar of salt? She looked back.

If a bear went into a dry goods store what would he want? He would want muzzlin' (muslin).

When is a sailor not a sailor? When he's aboard.

Why are good husbands like dough? Because the ladies always knead them.

Why is T the happiest letter in the alphabet? Because it is next to U (you).

What kind of a tail has no dog? A shirt tail.

### Drop-the-Letters Puzzle

To triply curtail a word drop the last three letters. Withhold the answers to the following and try them on somebody.

Triply curtail a liked nut and leave the thorax. (Chestnut-chest).

A plant used as a vegetable and leave to whirl rapidly. (Spinach-spin).

A meat sauce and leave an animal. (Catsup-cat).

An acid liquor and leave a climbing plant. (Vinegar-vine).

A hurricane and leave rent. (Tornado-torn).  
A window drapery and leave rudely concise. (Curtain-curt).  
A decorative molding and leave a grain. (Cornice-corn).  
All the feathers of a bird and leave a fruit. (Plumage-plum).

### What are the Two Words?

1. W \_ \_ \_ S
2. \_ \_ \_ \_ \_
3. \_ \_ \_ \_ \_
4. \_ \_ \_ \_ \_
5. W \_ \_ \_ D

Supply the correct words in the rows of dashes above according to the definitions below. If you do this correctly you will find that the diagonal word from W to D, together with the diagonal word from W to S, spells something that is always heard on Hallowe'en. What is it? Send your answers to the Puzzle Editor, Kansas Farmer, Topeka, Kan. A pamphlet telling you how to play a lot of jolly games is the prize for the first 10 correct answers.

1. They blow.
2. They ring.
3. Not thin.
4. A kind of tales for children.
5. Decreased gradually.

Teacher: What insect lives on the least food?  
Willie: The moth because it eats holes.

### With Roman Numerals

Write, in Roman numerals, one thousand, two hundred, nothing and one. Now transpose them to give a word expressive of fun. We'll tell you the way to do it and you try it on somebody else. MCCOI transposes into the word COMIC.

### Queer Talk

Said the window to the curtain,  
"I have an awful pain."  
"Oh, dear!" said the curtain,  
"I see you're cracked again."

Said the icicle to the chimney,  
"I'm afraid I will go broke."  
"Very sorry," puffed the chimney—  
"Now you just watch my smoke."

### Try This One

Try this on somebody. Ask him: "Would you rather be a bigger fool than you seem or rather seem to be a bigger fool than you are?" Whichever part of this question he chooses when you ask the question, simply reply, "That would be impossible."

### ONE DAY IN A PUSSY'S LIFE

Peter Dumbly opened 1. Then he 2. His 3. out of 4. His 5. was a nice little 6. He 7. the kitchen 8. He 9. the 10. 2 go out. 11. He 12. the 13. The 14. were 15. and milked 16. He 17. - master poured milk in a 18. & gave it 19. Peter. Peter 20. he spent a busy morning in the barn. Peter 21. - veing at the 22. whose nests he could 23. reach. 24. bustling around everywhere. Ah! the dinner 25. He 26. the 27. After dinner: 28. he had 29. in 30. the 31. Then he played with Jock, the little 32. They played 33. The 34. was open. A 35. - strange 36. in Peter ran up 37. He 38. his 39. Jack chased the dog home. Then Peter 40. & Jock went in & rested under the 41.

### In Our Letter Box

I received my surprise package Saturday morning and think you sent me a useful gift. Thank you ever so much. I will have use for it in school. I haven't any pets but I have a nice play house. My father built it for me to keep my toys in. I can play in it in winter if I wish, for it is like a real house.  
Mary Ellenbecker.  
Marysville, Kan.

If I could take a trip I would go West. My chief delight would be to see the Yellowstone Park, the Grand Canyon of the Colorado and the Yosemite Park with their many strangely formed cliffs, deep canyons and great waterfalls. When one views such scenes of beauty he realizes his own littleness and the immensity of the work of God thru nature.  
Ethel Headock.  
Hartford, Kan.

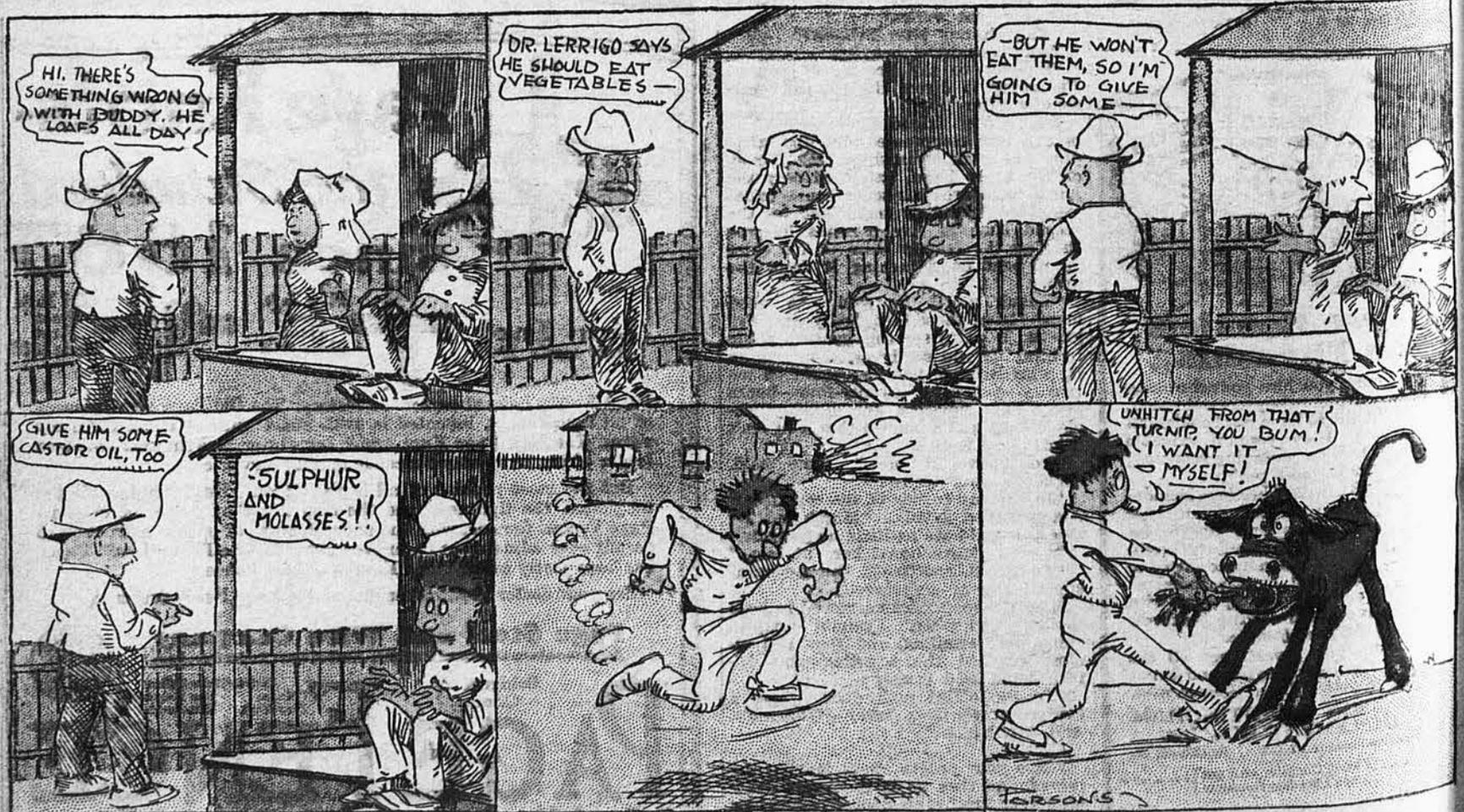
I am 13 years old and in the seventh grade. Here is a riddle. When are question-marks used most? After questions.  
Esther Mohr.  
Lost Springs, Kan.

I am 12 years old and in the eighth grade. My father has a purebred wolf hound and we raise wolf hounds to sell. We drive a horse 2 1/2 miles to school. We had a pie supper and sold 49 pies for \$37. We went to the fair last year and won first prize. Our dog got her foot cut off in the mowing machine. We have two cows and calves and two pigs. We have a baby boy named Howard Clayton. He is 6 months old and has three teeth.  
Grace Grainger.  
Matfield Green, Kan.



To read the answer: hold the paper level with your eyes and turn slowly to the left.

You'll need to study this puzzle carefully to get the correct answer. Cut it from the paper, hold it flat between your fingers and level with your eyes and turn it slowly to the left. A package of postcards each for the first 10 correct answers. Address the Puzzle Editor, Kansas Farmer, Topeka, Kan.



The Hoovers—Buddy Prefers Vegetables to Sulfur and Molasses or Castor Oil

### The Rescue of Anne

(Continued from Page 15)

The solemn superintendent caught his breath, nodded with a queer little jerk, and vanished. Burton Fraim rose and stood with his hands on his hips—which posture, if not elegant, rendered him even more overwhelming.

"That," he stated, "is the end!" "The end of what?" queried Anne. "Your career as a factory boss, young woman. That man should have been sent packing after the rest of them."

"Why?" "Look at him!" Mr. Fraim fairly thundered.

"He's here as a superintendent, not as a fashion-plate," Anne said mildly. "And I wish you wouldn't stand like that and roar at me, Burton. I don't like it!"

"Here I stand, whether you like it or not!" Mr. Fraim replied with astounding vigor. "Come Anne! I'm not going to leave you here, whatever your silly little wishes may be. If you could have seen the way that hulk was standing and leering at your hair—"

#### A Promising Young Man?

Both hands darted to the hair and found it quite smooth.

"Why do you—say things like that?" Anne asked angrily. "He wasn't leering at all, Burton. I remembered, as soon as I had taken a second look at him, that dad used to talk about him as one of the most promising and trustworthy men in the place. And another thing, Burton—"

"No, not another thing!" cried Mr. Fraim, and brought his fist down on the desk-top with a crash. "I'll do whatever is to be done here, but you're coming home!"

Miss Briston did not shrink, but she moved back several inches and glanced at him rather fearfully. When Burton was thoroly angry, and he was just that at present, his impressiveness increased markedly.

"And if I refuse to go?" "Confound it! I'll pick you up and carry you!"

Miss Briston's eye sparkled suddenly.

"Why didn't you try some of that bullying on Marsh, instead of on me?" she asked pointedly.

Fraim relaxed with a helpless laugh. "I—I beg your pardon, Anne. Please come!" he said.

"Well, I'm not going—not until six," Anne said cheerfully. "My job is here, and here I stay. Nothing will happen to me, Burton. Thanks for the solicitude, but please run along and hire me an office force."

#### Mr. Fraim Departed

A long minute's study of the back of her head, and Fraim sighed.

"Will you give it up after today?" he asked.

"Of course not."

"After a week, then, if you stick it out that long?"

The very genuine concern in his voice brought a softer smile to her lips.

"Burton, I'll try it for three months or so, and if I'm incapable of handling the thing, I'll tell you so honestly."

"Make it six weeks, Anne."

"Well—"

"Six weeks from today; and that's what?" He turned up the leaf of the calendar. "That's the twentieth of next month, Anne. On the twentieth, if you haven't quit before, you'll tell me candidly whether you're ready to quit?"

"Why—yes."

"And after the twentieth, at the latest, when this wild freak has worn off, you'll tell me that you're ready to marry me, too, Anne?" Fraim pleaded.

He held her hand. He was ready to go, and in another minute he would be gone; and in point of fact, considering the size of the place and its emptiness just now, subtracting his mighty presence would leave a gap. Anne smiled quite gently.

"I'll give you an answer then—yes," she said, "if you'll let me alone until then."

He pressed the hand, and, with a last look about the office, departed. Anne, for no particular reason, leaned forward to watch him hurry up the block—and leaned backward and out of sight quite swiftly when he turned and squinted thru the sunshine toward her window.

Walking up the block, Mr. Fraim

experienced a separate shudder with every alternate step. If Anne survived the day unharmed, she might consent to end her business life by dinner-time, altho it was thinkable that she might last the better part of the week if her present mood persisted. But long before any six weeks had expired, Mr. Fraim vowed in the depths of his temporarily gloomy and perturbed soul, a way should be found of rescuing the girl from her own madness.

Miss Briston's bow to the world of commerce was having its own effect in the offices of Penvale Brothers, too.

They were big, beautiful offices in an expensive building. They were done in an artistic scheme of hardwood, with a choice rug here and there in the private rooms, and a uniformed page or two, as befitted a prosperous concern with a growing factory over on the Jersey shore. Thru them, this morning, Robert Penvale, the elder and more conservative brother, tramped restlessly as he awaited the return of Thomas Penvale.

The latter, having been overtaken at the corner by Wharton, and having listened wearily to the late general manager's pop-eyed protestations of innocence and ignorance, had dismissed the man in disgust and spent a bad ten minutes smoothing down his own ruffled feathers.

For one thing, business considerations apart, he had been defied and actually ejected by an extremely pretty young woman. The more he thought of the interview, the less it pleased him. He was the best-groomed man of his own acquaintance, and one of the most able conversationalists. Privately he had cherished the happy conviction that he could talk any woman on earth into any frame of mind he wished; yet the best he had accomplished this morning was a loutish threat to drive Miss Briston out of business. The threat had not even been venerated with a courtliness that would have made it more effective.

The younger Penvale, then, reached his private office in a decidedly soured mood, and the mood did not sweeten when his brother pounded in, closed the door, looked at him keenly, and demanded:

"Well?" "It's off!" "Pah!"

"Pah all you like; she won't sell out."

"You didn't see her?" "She has taken charge of the works, Robert—personally," the younger

## A GOOD INVESTMENT

# LEWIS' LYE

### Soap Maker Supreme for Fifty Years

Five cans, grease and water added according to directions on label, make 100 eight-ounce bars of pure soap—turns 75 cents into \$7.50

Send postal for our 56 page illustrated book containing 34 soap recipes and directions for using LEWIS' LYE to great advantage on the farm and in the home.

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New 56 Page Book



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## Kellogg's CORN FLAKES

Oven-fresh always  
Inner-sealed waxtite wrapper keeps Kellogg's as fresh and crisp after opening as before—exclusive Kellogg feature.



# Our Kansas Farm Homes

Mrs. Ida Migliario  
—EDITOR—

## Location and Color as They Affect Our Kitchen Walls

AT THIS time when the finish of the kitchen wall is being discussed one item should not be overlooked, that of the selection of color. And this choice of color for the kitchen wall is very important and affects the utility as well as the attractiveness and cheerfulness of the home work shop. White is cold and reflects the light so strongly that the use of too much white on the walls gives a decided glare that is trying to the eyes, therefore a little color added to the white is better. White can be used as trimming for woodwork, also may be used with good effect thru utensils and curtains. A light cream, buff or tan is good in a kitchen that is exposed to the north, northeast or northwest.

### Blues Best For South Exposure

In the same way, the cooler colors can be used in the warmer exposures as the south, southeast or southwest; in kitchens of this kind the cool blues or neutral grays are good.

Light colors reflect light and are much more appropriate for the kitchen which should stand for cleanliness and sanitation, therefore light finishes on both walls and woodwork are to be desired. The ceiling should be lighter than the side walls, a tint or two lighter in the same color or a lighter value in a harmonious color.

Trimnings of stenciling or painting add to the interest and looks of a kitchen. These can be in colors to add warmth or coolness or can be of a harmonious color just for interest and attraction.

A cream color wall with a light ceiling with woodwork enameled in a shade darker enamel with a stencil or painted design in a light blue or a dull Delft blue make a charming kitchen.

Another kitchen that is good is one with white woodwork, gray walls which have a bit of rose added in form of a stencil or painted design. A light orange can be used with good effect to add color to either a blue, a neutral gray or a light cream kitchen wall. It adds warmth and cheeriness which would be good in a north or northeast exposure. Choose colors to increase the light and cheerfulness of the room and also those that help to make the kitchen appear clean and sanitary. Mrs. Harriet W. Allard.

## Farm Home News

BY MRS. DORA L. THOMPSON

Many times I've wondered in just what container the rural carrier would like to find the money placed in the box to pay postage. Naturally, the best way to do would be to place the correct postage on letters or packages. Since this isn't always possible, we who send the mail to the box with the children on their way to school must send the money in some holder.

Last week we happened to reach the box as the carrier did and we asked him, "Just about everyone wraps the change in paper and places it on top of the pile of mail," he said, "but I'd sooner have it loose than wrapped." "Isn't a cup a good holder?" we asked. "Fairly," he said, "but the pull on the lid sometimes upsets it and that's worse than finding it loose. I'll tell you the handiest way I find the mail is in a box where the owner uses a spring clothespin. She clamps this over the letters and directly over the change. All I have to do is to reach in and get the whole bundle, release the spring and toss the clothes-pin back in the box."

### Sewing Machine Attachments

Somewhere we read about a woman who took an afternoon off from her sewing time and studied the guide book that came with her sewing machine attachments. She practiced the

use of them until when she wanted to sew she could adjust them quickly and use the time saving attachment.

That wasn't a bad plan but we often think we should study the whole machine. Many good machines go to the scrap heap because the feed has become worn. Many belts are too loose and many more do not get oiled as they should be. One machine that has been in use 35 or 40 years appears to do as good work as ever. It runs as easily and noiselessly. The owner keeps it well oiled. Occasionally she oils with coal oil to remove dried or hardened oil, then uses the regular

This does not mean that these plants will thrive with no sunlight, but only that a little each day is all they really require. There often are damp places, too, where some flowers will thrive while others would die. To find which these are will help make the garden more beautiful later. Crocuses, dahlias, ferns, gentians, all kinds of sweet flags and violets, japonica and lily of the valley all will do better in rather damp places. In all transplanting, try to make the change on a cloudy day, and never allow the roots to be exposed to heat or cold. All bruised roots should be cut off carefully, and

You will notice in the case in Oregon the people thought the beans did not taste right but took a chance on them.

"Canned vegetables or meats that appear to be spoiled should be burned. That is the only safe disposal of them. If they are thrown out chickens and other farm animals may get hold of them and they are just as poisonous to them as to human beings. If all vegetables were boiled for 5 minutes, not cooked, but boiled before tasting, there would be no danger."

### A New Cook Book

If you have used the recipe book called "Cakes, Candies and Crinkles," written by Mrs. W. A. Johnson, you will be glad to know that she has published another one called "What to Cook and How to Cook It."

As the name suggests, the volume contains recipes for every conceivable kind of a dish. A splendid feature is a group of blank pages on which one can add choice recipes as they are picked up here and there.

"What to Cook and How to Cook It" may be obtained from G. P. Putnam's Sons, 2 West 45th St., New York, N. Y. The price is \$2.

### Left Over Dinner for Monday

From the many tasty ways left-overs may be prepared, here are a few of the best.

#### Chicken and Rice Scallop

Cut the left-over chicken into neat pieces, arrange a layer of it in the bottom of a buttered bake dish; season with salt and pepper. Over this put a layer of rice and moisten it with gravy. Repeat the chicken and rice layers until the dish is full, making the top thickness of rice. Sprinkle this with crumbs, butter, and if you so desire, a little grated cheese. Bake in a slow oven until hot, then increase the heat to brown.

#### Chicken Puff

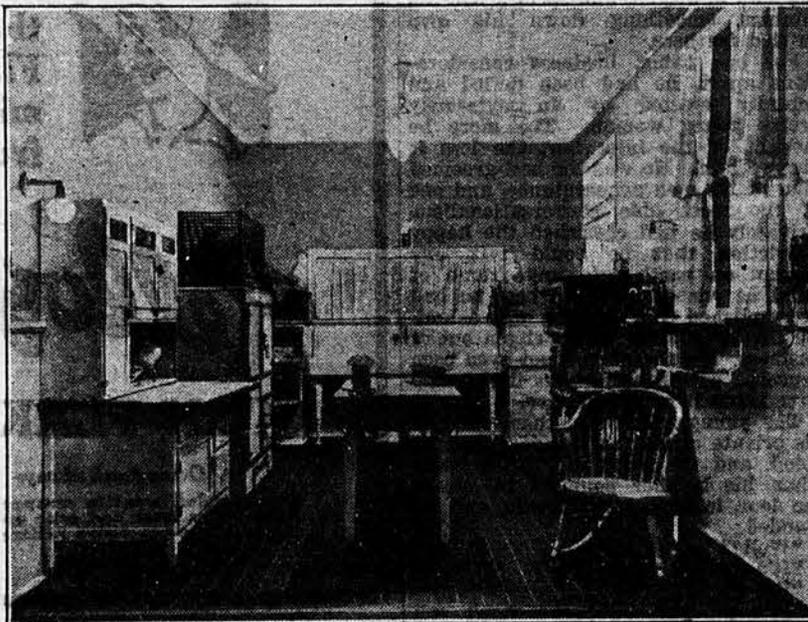
Soak a cup of soft bread crumbs in ½ cup of milk. Then add to this the yolks of 3 eggs beaten light, 2 teaspoons of melted butter, 2 cups of chopped chicken, 1 teaspoon of salt and a little pepper. Stir in the whites of the eggs, whipped stiff, and bake in a buttered pudding dish.

#### Scalloped Sweet Potatoes

After removing the skins of the cold sweet potatoes, cut into slices and arrange them in a pudding dish after the manner outlined for the chicken and rice scallop. Then pour over them ½ cup boiling water in which you have melted 1 tablespoon of butter, sprinkle with 1 tablespoon of brown sugar and bake in a medium oven until heated thru and browned on top. Lettuce leaves, left-over celery cut into small pieces, and cold peas with French dressing will make a very good salad. A sweet or fruit of some kind will round out a good Monday evening meal.

### Our Spring and Summer Catalog

Negligees, combinations, slips, bodice caps, and all the pretty styles dear to the heart of femininity are an important part of our spring and summer fashion magazine, as well as dresses for all occasions both for mother and the children. A magazine with a large selection of designs such as this has a big help to the home dressmaker in deciding how a garment is to be made. One of our patterns may be obtained for every style in the book. Order the catalog from the Pattern Department, Kansas Farmer and Mail and Breeze, Topeka, Kan. It sells for 15 cents or 25 cents for a catalog and pattern.



Light Walls and Woodwork Add to the Attractiveness of This Well Furnished Kitchen—a Work Shop We'd All Like to Own

sewing machine oil again. A course in household mechanics that would include instruction in sewing machine mechanism, and knife and scissors sharpening as well, ought to be popular extension work.

### Cretonne, a Brightener

Recently we were guests in a home where a very pretty set of curtains, dresser scarf and bedspread were cretonne trimmed. The bedspread and pillow cover were made of unbleached muslin. The cretonne was sewed on in a 3-inch wide strip about 6 inches from the edge of the spread. The corners were mitered. A similar strip, the narrower, formed the binding of the marquise curtains. No elaborate applique pattern was used and no fancy material but the effect was to add color and good cheer to the room.

If one tired of such a spread she could rip off the cretonne, and, presto, there would be a sheet. How much more sensible are such spreads than some we have that weigh about 5 pounds when dry and about 20 when soaked with water in the wash.

### Flowers and Sunshine

In almost every garden there are certain spots that get very little sunlight, and yet we want plants to thrive and bloom in these spots for the effect on the rest of the beds. No garden can be planted hit or miss and be expected to be as attractive as if we gave it the thought it needs.

In putting in the seeds I keep in mind these shady and damp places and try to select for them the flowers which need just these conditions. I have a list of flowers which will grow in more shady spots and select from this list when planting. They are phlox, columbine, lilies, foxglove, coropsis, violets, peony, sweet pea, wisteria, and on thru a long list. I have proved to myself, at least, that no spot in the garden need be unlovely because of the lack of sunshine.

the roots spread out, not planted crumpled up.

It is well to remember that flowers grown mostly in the shade need much less water than others for the ground holds more moisture, and if watered too often will become soggy. In putting out young plants as well as in planting seeds, the watering should be done with a watering pot, and with great care so that the tiny seeds and tender plants will not be dislodged from the loose soil.

April is the month for the first violets, and the month when roses should be sprayed with Bordeaux mixture or with whale oil soap to insure their safety later.

### Food Poisoning Dangers

Amy Kelly, state home demonstration leader, sent us the following letter and we believe you will be interested in reading it.

"I am wondering if it would not be well to publish a little article on precautions that can be taken against botulinus poisoning so that people will not be afraid to use canned products. Upon inquiry I have found that there never has been a case in Kansas from it. You know that botulinus is an organism that grows in the soil and does not seem to be prevalent in the Middle West.

### Western Soil Favorable to Growth

"As I understand it, the alkalinity of the soil in the West is much more favorable to its growth. It grows in an air tight place and produces a very poisonous toxin. This toxin is killed upon boiling, consequently if all people would take the precaution to boil all their vegetables—except tomatoes, where it never has been found—before tasting, we never would have these terrible disasters. Practically every case of botulinus poisoning that I ever have known about has come because of people taking a chance of eating a food that they thought was not right.

# Mostly for the Junior Girl

## No Slipping Straps Annoy the Wearer of an Apron Like the One Shown

BY MRS. HELEN LEE CRAIG



1896—Smart Dress for the Little Girl. This dress closes at the left side and the sleeves may be long or short. Sizes 6, 8, 10, 12 and 14 years.

1919—Girls' Dress. The swagger lines of this little coat dress are certain to delight the school girl. Sizes 8, 10, 12 and 14 years.

1876—Underslip. It can be made with straight upper edges with shoulder straps or with built-up shoulders. Sizes 4, 6, 8, 10, 12 and 14 years.

2032—Child's One Piece Dress. The dress is slashed in at upper part, the lower edges gathered and joined to

the upper edges, giving the effect of a yoke. Sizes 2, 4, 6 and 8 years.

2021—Girls' Combination. The drawers may be finished in bloomer style or with a hem. Sizes 2, 4, 6, 8, 10, 12 and 14 years.

1883—Women's Apron. This is the very apron you've been looking for. Sizes 36, 40 and 44 inches bust.

These patterns may be ordered from the Pattern Department, Kansas Farmer and Mail and Breeze, Topeka, Kan. Price 15 cents each. Give size and number of patterns desired. Embroidery patterns are 15 cents extra.

### Women's Service Corner

Our Service Corner is conducted for the purpose of helping our readers solve their puzzling problems. The editor is glad to answer your questions concerning house-keeping, home making, entertaining, cooking, sewing, beauty, and so on. Send a self-addressed, stamped envelope to the Women's Service Corner, Kansas Farmer and Mail and Breeze, and a personal reply will be given.

#### Wedding Veil or Not?

Is it permissible for a bride to wear a veil with bobbed hair? I am planning to have a veil that is only across the back of the head, and to wear a bandeau instead of a wreath. Should I have my hair curled and how could I put it up? I still have the hair that was cut off.—Ruth Ann.

I think it would be perfectly all right for you to wear your wedding veil with your bobbed hair. Whether or not you curl your hair is just a matter of personal choice. I think, however, that it would be pretty to have your hair marcelled and have the bandeau across the front and the veil around the back of the head.

#### Magazines Children Enjoy

My little nephew is 8 years old, and I would like to subscribe for a children's magazine for him. Can you tell me the names of some he might enjoy?—Miss I. V.

There are a number of good magazines for children being published, and it would be difficult to say just what one your little nephew would enjoy most. Here are the names of several: John Martin's Book, \$4 a year. St. Nicholas, \$4 a year. Little Folks, \$3 a year. Child Life, \$3 a year. Junior Home Magazine, \$2.50 a year. The magazines are not so expensive when ordered in a club. A magazine solicitor could give you rates.

#### Explaining Progression

Some of the young folks in our community are going to organize a card club at my house and I do not know just how the game should be played. We thought we would play whist or high-five. There will be four tables. How are progressive card games managed?—Miss R. T. E.

Your tables will be numbered one, two, three and four. The losers—after four hands around—at table No. 1

go to table No. 4. The winners at table No. 2 move up to No. 1 and the losers stay at table No. 2. The winners at table No. 3 move to table No. 2, and the winners at table No. 4 move to table No. 3, the losers staying at their respective tables. Partners are changed every time. You should provide score cards for a progressive party, and before each move the scores are entered on the individual tally cards. A prize may be awarded to the person holding the highest score at the end of the evening.

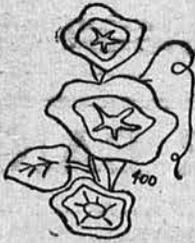
#### Sage Tea Darkens Gray Hair

Will you kindly print in your column the recipe for making sage tea to be used for the purpose of darkening gray hair?—Mrs. E. R. T.

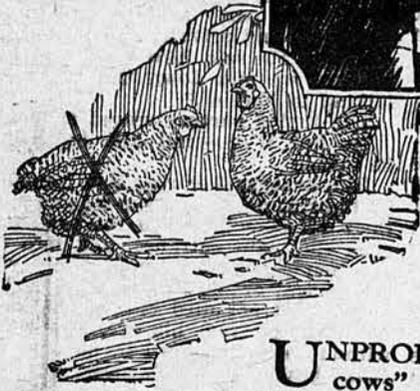
I am glad to give you the recipe for making sage tea. Mix 1 pint of strong sage tea, 1 pint of bay rum and 1 or 2 ounces of glycerin, more or less, depending upon the amount of natural oil in the hair. Neat's foot oil may be substituted for the glycerin in the latter does not suit the skin. Shake the mixture well and apply to the scalp with the finger tips, rubbing thoroughly into the roots of the hair every night. This tends to prevent the hair from turning gray.

#### Eight Applique Delights

Hot iron transfers for applique work in sizes adapted to quilts, bedroom sets, scarfs, pillows and house frocks appeal at this time of the year. Book No. 400 has in it eight motifs arranged in different groupings and in varying sizes. The patterns can be transferred over and over again so the book will serve you for a long time. It can be obtained by sending 15 cents in stamps or silver to The Fancywork Department, The Kansas Farmer and Mail and Breeze, Topeka, Kan.



Choose dentifrices as carefully as you cull poultry



"Yes, Madam, that is the Safe Dentifrice"

UNPROFITABLE hens or "boarder-cows" are now-a-days culled out. The scrub passes—the pure-bred remains. You choose with utmost care. Your flocks and herds improve, and therefore you benefit.

Choose with equal care the dentifrice for family use. Good teeth mean good health. If you care for your health, care for your teeth with Colgate's Ribbon Dental Cream. It is a common-sense dentifrice, free from grit and harmful drugs.

#### COLGATE'S Cleans Teeth the Right Way

Washes and Polishes—Doesn't Scratch or Scour

Wash your teeth with this safe dentifrice. Its non-gritty precipitated chalk loosens clinging particles. Pure and mild, its vegetable oil soap gently washes them away, cleaning the teeth perfectly and leaving undisturbed the normal healthy condition of the mouth.

Colgate's cleans teeth the right way and sells at the right price—25c for a large tube—why pay more?

COLGATE & CO., New York  
Established 1806



If your wisdom teeth could talk they'd say "Use Colgate's"

Truth in Advertising Implies Honesty in Manufacture

### SILKS For the whole FAMILY

33" Imported all silk Japanese Pongee . . . 87c yd.  
32" Colored all silk Pongee latest shades . . . 98c yd.  
33" Imported hand woven all silk China Pongee \$1.10 yd.  
For dresses, waists, shirts, lingerie, rompers, draperies, etc.  
The finest qualities at the lowest price.  
Free Samples on Request.

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Headquarters for Livestock engravings  
Write for prices  
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DEPT. M  
TOPEKA - WICHITA

"Civilization rises and falls in accordance with mathematical law."  
Read  
**"The Philosophy of Civilization"**  
by R. H. Towner.  
G. P. Putnam's Sons  
AT ALL BOOKSELLERS \$5

### The Family Club

No. 50M  
Special 10-Day Offer

The Household Magazine and Kansas Farmer and Mail & Breeze, each one year for \$1, or the Household Magazine and Kansas Farmer and Mail & Breeze each three years for \$2. Send remittance to Kansas Farmer and Mail & Breeze, Topeka, Kansas. Mention Special Offer No. 50M.

### We Can Save You Money On Magazines

Just drop us a postal card asking for price on any club of magazines you desire. You will find our prices satisfactory.

**Kansas Farmer and Mail & Breeze**  
Topeka, Kansas.

### The Rescue of Anne

(Continued from Page 17)

brother smiled acidly. "Something, I fear, must have rendered her suspicious."

"Did you raise the offer?"  
"I didn't have a chance. She's making her own prices today, apparently. She values the rubber door-mat downstairs at something over a billion dollars!"

"Well, a diplomat like you—"  
"Robert," the younger brother said convincingly, albeit he stared from the window as he spoke, "I did my best—my best!—to talk her over. There is nothing doing!"

The other half of the firm glowered at him.

"Then you've fed between twelve and fifteen thousand dollars to the devilish crooks that have been running the place—for nothing!"

"Apparently."  
"And it proves what I said in the very first place," the elder brother rumbled savagely. "That kind of crookedness is a dead loss—always! So long as we had made up our minds to acquire the beastly plant, it would have been better to go to the estate in the beginning, while the girl was upset and so on, offer half a million, and—"

#### "An Impudent Young Woman!"

"It's too late for that now; she's anything but upset at present!" the younger Penvale snapped. "I've never seen a more self-possessed—or a more damnably impudent—young woman in my life!"

The bulk of Mr. Robert Penvale's sentiments came in one ferocious grunt, but he snorted:

"What are we going to do?"

"Fight her, I suppose."

"And that will cost fifty thousand—a hundred thousand—yes, probably two hundred thousand dollars, if she really starts the business again, and—"

"Well?" asked the younger brother, without undue excitement.

"You've had personal charge for a year of this thing of getting hold of Briston's, and an intelligent office boy could have accomplished as much!" the senior half of the firm stated. "Now, if she wants to fight and spend money, we're at liberty to begin a new advertising campaign, to devise new selling stunts, to cut prices down to nothing, and— Thomas, I think you're an ass!" concluded Robert Penvale, as he slammed the door.

It was not an opinion shared by

Thomas Penvale, but the words stung for several minutes, as he sat alone, brooding over them. Presently, however, being by nature a light-hearted, self-satisfied soul, he decided to forget them and the whole situation as well in the dictation of the morning's mail.

He was smiling and dictating, and at the same time admiring absently the new waist his stenographer wore, when the page hurried in with a scribbled card. Mr. Penvale glanced at it, ceased smiling, frowned, shook his head, and smiled again, disgustedly.

"Say that I'm busy!" he snapped.

"Where was I—"

"Well, Mr. Penvale," the boy hesitated, "this party said he had to see you quick and private, and it was important. He said he'd wait, and he's walking up and down the big room, talking to himself."

The junior partner stared suddenly. "Is he? Well—send him in, then!" he said.

His stenographer rose and vanished by the side door; and she was no more than out of sight when the page held open the main entrance, and into the sanctum came one Marsh, lately superintendent of the Briston works. The purple had not died out of his cheek nor the fire from his eye, and when, without removing his hat, he took the chair beside Penvale's desk, its legs creaked queerly.

"Well?" he demanded hoarsely.

"What are we going to do about this?"

"This Briston woman!"

"Has she—ah—fired you, Marsh?" Penvale inquired.

"Yes! And da—"

"Well, don't curse a lady. I don't know that we are going to do anything about it, Marsh. I'm not sufficiently in her good graces to get your job back for you."

The ex-superintendent dragged his protesting chair closer.

"That's not what I'm talking about," he said energetically. "I wouldn't take that job now if it was handed to me on a gold plate! What I want to know is, how do we get back at her?"

"We don't," Penvale corrected him, with some annoyance. "It seems to me that you're out of the proposition now."

"It doesn't seem that way to me," Marsh said. "I've got six thousand dollars tucked away that was paid me by you to wreck that company, and I want to see you get your money's worth. What's more, I—"

The younger Penvale leaned forward suddenly and gripped Marsh's knee so vigorously that his finger tips traveled well in toward the bone.

(TO BE CONTINUED)

Clover seed of doubtful origin probably will prove of doubtful value.



## JELL-O

America's most famous dessert  
—for a treat

The plainest meal becomes festive when there is Jell-O for dessert. The family, particularly the children, will love it. Jell-O looks so pretty—sparkling and clear. And tastes so good—sweet and fruity. All you need to do to prepare Jell-O is "pour water." And it is economical; we don't know what good dessert could be cheaper. Ask for a Jell-O Recipe Book and give the family some treats.

THE GENESEE PURE FOOD COMPANY, Le Roy, New York  
**NEAPOLITAN JELL-O**  
Dissolve a package of Lemon Jell-O in a pint water. When it is cold put two-thirds of it, of boiling water. Pour two-thirds of it into a spoonful at a time, on the Lemon Jell-O. For the mould of proper shape. When it has set, whip fourth layer, whip the rest of the Strawberry the rest, pour it on and let it harden. Dissolve a Jell-O and pour it on the hardened plain layer. package of Strawberry Jell-O in a pint of boiling All layers must be hard before others are added.

## The WINDMILL with a RECORD

**The Auto-oiled Aermotor** has behind it 9 years of wonderful success. It is not an experiment. **The Auto-oiled Aermotor** is the Genuine Self-Oiling Windmill, with every moving part fully and constantly oiled. Oil an Aermotor once a year and it is always oiled. It never makes a squeak. The double gears run in oil in a tightly enclosed gear case. They are always flooded with oil and are protected from dust and sleet. The Auto-oiled Aermotor is so thoroughly oiled that it runs in the slightest breeze. It gives more service for the money invested than any other piece of machinery on the farm.

You do not have to experiment to get a windmill that will run a year with one oiling. The Auto-oiled Aermotor is a tried and perfected machine. Our large factory and our superior equipment enable us to produce economically and accurately. Every purchaser of an Aermotor gets the benefit from quantity production. The Aermotor is made by a responsible company which has specialized in steel windmills for 36 years.

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**ARE YOUR COWS Losing Their Calves From Abortion?**  
You Can Stop Them Yourself AT SMALL COST  
Ask for FREE copy of "The Cattle Specialist," our cattle paper. Answers all questions asked during the past thirty years about abortion in cows. Also let us tell you how to get the "Practical Home Veterinarian", a Live Stock Doctor Book, without cost. Veterinary advice FREE. Write tonight. A postal will do.  
**Dr. David Roberts Veterinary Co., Inc., 118 Grand Ave., Waukesha, Wis.**

**DAWGONE THESE BED TIME STORIES! THEY'RE THE BUNK!**  
GEE!  
HENRY, YOU'RE WANTED ON THE PHONE ITS LONG DISTANCE

**THIS IS MRS SLICK OF BULLTROPOLIS, TALKING— HAVE YOU BEEN WATCHING OUR GLITTER GOLD MINING STOCK? - GOING UP? I'LL SAY! NOW**  
- BUT WHEN MORNING GAME THE GNOME'S HAD GONE - THE POT OF GOLD HAD MELTED AWAY AND -  
I'LL TAKE A BLOCK OF THE STOCK, MISTER SLICK  
I WANT TO LET YOU IN ON THE GROUND FLOOR - YOU CAN'T LOSE - AND YOU STAND TO MAKE - ETC. ETC.  
THAT'S A REAL GOOD NIGHT STORY!

The Man Who Didn't Believe in Fairy Tales

## OUR BANNER CLUB

Capper's Weekly.....1 year  
Household Magazine.....1 year  
Kansas Farmer and Mail & Breeze.....1 year } **\$1.50**  
All Three for  
Order Club No. 500  
KANSAS FARMER AND MAIL & BREEZE, TOPEKA, KANSAS.

# The Central a Keynote Show

## Shorthorn Cattle Event at Kansas City Revealed Improved Interest in Better Breeding

BY T. W. MORSE

ONE of the oldest of the annual livestock events in America is the meeting, show and sale of the Central Shorthorn Breeders' Association. This year's event was held from March 26 to March 28, at what has become its permanent home in Kansas City, the American Royal Building. This, of course, affords an ideal place and the steadily improving management of the show and sale seems to be winning for it the interest and confidence to which it is entitled.

In this year's sale, 74 breeding animals sold for a total of \$12,060, or an average of \$163 a head. In last year's sale nearly twice as many breeding animals were sold and the total of the sale was a little more than 50 per cent larger. While this comparison brings out very well the fact that better prices were paid this year, it is not as significant as the comparison between prices averaged for females and those averaged for bulls. It is well known by students of the purebred livestock business that during a period in which prices are on the up grade, bull prices will average higher than prices for females. This will continue until the crest is approached when prices for females gradually will become higher than average prices for bulls.

### Purebreds on the Up Grade

Last year 40 bulls averaged \$136 and 88 females averaged \$132, so that, numbers considered, prices for the two sexes were about the same. This year 38 bulls averaged \$172 and 36 females averaged \$153, a distinct indication that business in purebred Shorthorns is on the up grade. Of course, financial influences could modify this condition at any time, but a study of the crowd in attendance and consideration of the character of the demand as revealed by the bidding, corroborates the story of comparative prices. Bidding was slow. Every dollar released at the ringside was invested only after "due consideration" but there was an unusually good attendance of interested breeders and beginners and it was the genuine demand of these people which made the sale.

The steer sale also revealed a slightly higher market altho the general averages for 1923 and 1924 were nearly the same. This year the packers bought all of the steers offered and bought them in line with the day's market. Last year some steers were offered which were in condition to fit for fall shows and this developed a class of competition not present this year and an opportunity for speculative values to influence the bidding.

### Highest Figure Was \$515

The highest price bid in the sale was \$515 for a white 2-year old show heifer, the buyer being Fred C. Baker of Kansas City. The next high price came in the bull section and was \$455 bid by M. Bressler & Son of Grant City, Mo., for a roan yearling bull consigned by A. O. Stanley of Sheridan, Mo. What was considered one of the greatest values in the sale was bought by Elmer Smith & Son of Pleasanton, Kan., who bought the white bull, Fair Marshall, which in Mr. Stanley's herd had sired the roan bull that brought the top price. Fair Marshall sold for \$400. Bull prices ranged down to \$50 and female prices to about the same level.

One of the heaviest buyers in the sale and who, by the way, owns one of the oldest Shorthorn herds in Texas, was V. O. Hildreth of Aledo. Mr. Hildreth bought a valuable herd bull for \$385 and enough choice heifers to make him a car load. Other breeders who obtained herd bulls in the auction were as follows:

E. H. Handley, Aullville, Mo.; Roy Rousseau, Larned, Kan.; J. E. and L. Merritt, Gallatin, Mo.; A. C. Hass, Grant City, Mo.; R. C. Mariot, Pleasant Hill, Mo.; Charles Baldwin, Plevna, Mo.; Edward Thorne, Farmington, Kan.; Symms Brothers, Troy, Kan.; Henry Pragmann, Alma, Mo.; C. F. Carrington, New Berlin, Ill.; C. J. Wright, Jacksonville, Mo.

In the catalog of the sale, animals were classified for the showing which preceded the sale. There were six sec-

tions, not counting a separate section for the Polled Shorthorns, of which there were about a dozen.

In Section I, bulls calved before January 1, 1922, first prize, and later championship over all bulls, went to Mr. Stanley's entry, Fair Marshall, later bought by E. Smith & Son for \$400.

In Section II, bulls calved in 1922, first prize went to the white bull, Scottish Autocrat, bought for \$200 by the Merritts of Gallatin, Mo. This seems not to have been a popular decision as the other six money winners excepting two, sold for more money, and one of them for as much, the second prize bull topping the bull sale, the third prize bringing \$385 and the fourth prize bringing \$240.

In Section III, bulls calved since January 1, 1923, first prize went to Broodhooks Champion, sold later at \$355.

In the show of females, following the same classification as to ages, first in the oldest class went to A. O. Stanley on Max-Mill Acorn.

In the next section first prize went to Leslie Smith & Sons on Orange Beauty, which sold at the top of the sale. Nothing else in that class sold for half as much and only two sold for over one-third as much. The first prize heifer later was made champion female.

In the youngest class, Miss Marjory, shown by Perry Brown & Son of Lamoni, Ia., was made first prize winner.

The steers were shown in three classes and awards were as follows:

Senior yearlings—1, Carroll Springer, Garrison, Kan., on Sultan Standard; 2, Jacob Nelson, Burlington, Kan., on Relief; 3, Robert Russell, Muscotah, Kan., on Marigold 57th.

Junior yearlings—1, 2 and 5, D. L. Martin & Son, Green City, Mo., on Village Joe, Village Jack and Village Jim; 3 and 4, Russell on Block and Punch.

Senior steer calves—1, Russell on Chub; 2 and 3, W. J. and O. B. Burtis, Manhattan, Kan., on Roan Knight and Choice Commander; 4, Sni-a-Bar Farm on Marshal's Crest; 5, A. O. Stanley, Sheridan, Mo., on Valley View Marshall; 6, F. C. Baker, Hickman Mills, Mo., on Commander.

Herds—1, Robert Russell; 2, Sni-a-Bar; 3, W. L. Martin; 4, Burtis; 5, Weisner.

Orchardists who want high production, often keep bees in the orchard. Ninety per cent of the pollination is done by bees.

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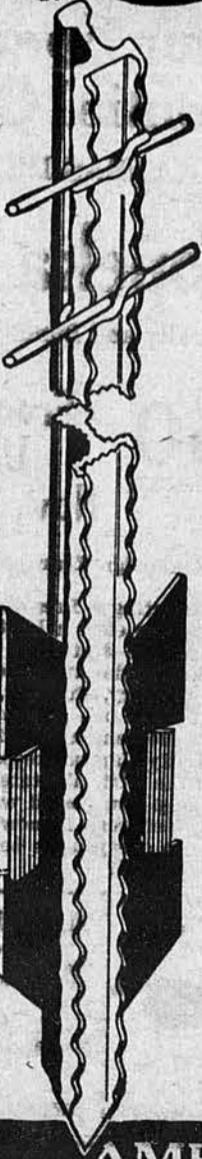
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## Business and Markets

### Swine and Cattle Production is Now Approaching Normal Basis and Prices are Improving

BY JOHN W. SAMUELS

SOME improvement in the livestock situation has taken place since the advent of spring and warmer weather and indications now are that the "hog cycle" passed the peak of production during 1923 and that the market glut which resulted from it had been largely worked off by the end of last month.

Estimates show that the Corn Belt, 1923 spring crop of pigs was about 2½ millions larger than in 1922; while the winter slaughter of hogs to March 1 was over 3 millions larger than during the same period last year; but since the slaughter of 1923-24 included an unusual proportion of sows, it is to be expected that the marketings of hogs from March to May, inclusive, will continue high, tho relatively not as high as those of the preceding months.

#### Swine Decrease Expected

The decreases in the fall crop of 1923, and the prospective decreased spring crop of 1924, indicated by the pig surveys, are borne out by the character of the hogs slaughtered since July 1. From July to the last of January, 3,400,000 more sows were slaughtered in commercial slaughter than during the same period a year earlier. This was an increase of 22.5 per cent in the number of sows. Slaughtering of barrows and boars increased but 18.4 per cent in the same period. Had the number of sows slaughtered increased only as much as the number of males, 630,000 fewer sows would have been slaughtered during that period. This indicates that breeding herds have been reduced by approximately 600,000 sows between July 1, 1923 and February 1, 1924; and that the spring crop of pigs will be at least 3 million, or 7.5 per cent less than the crop of last spring.

A survey covering the more important feeding areas indicated that on January 1, 1924, there were just about as many cattle on feed in the Corn Belt as a year earlier, whereas in some of the Western districts, particularly those which normally supply Pacific Coast markets, there were decreases amounting to as much as 40 per cent. Average weights, however, were somewhat lighter.

#### Normal Cattle Movement Assured

Present indications would seem to lead to the expectation that the marketward movement during 1924 will be orderly and about normal in volume. There are those, however, who anticipate lighter receipts at markets next fall because of an anticipated decreased movement of range cattle. If prices advance sufficiently to encourage cattlemen to expand their operations this may eventuate. If, however, prices do not show more marked improvement than in 1923, it seems reasonable to expect sufficient liquidation to bring total market receipts of cattle up to or above those of last year.

In a general way signs appear hopeful for experienced cattlemen possessed of good judgment and reasonable resources, and for all stockmen who can keep down production costs. Altho the cattle industry appears to have turned the corner, there is but little in the present situation that would warrant much immediate ex-

panation. However, production is not keeping pace with our increase in population and the time is not far distant when a considerable expansion in livestock production will be necessary.

Fat cattle at Kansas City this week were 25 to 35 cents higher and in active demand. This advance carried the market into a new high position for the year. Volume of trade was larger than in preceding weeks. Hog prices fluctuated within a narrow range and closed strong to a shade higher than last week. The weakest spot in the market was at mid-week. Lambs declined 15 cents and sheep held steady. With local receipts light declines elsewhere caused the setback in prices here.

Receipts this week were 30,350 cattle, 5,700 calves, 59,225 hogs, and 22,250 sheep as compared with 28,100 cattle, 5,025 calves, 48,350 hogs and 17,238 sheep last week, and 31,000 cattle, 4,500 calves, 70,675 hogs and 29,250 sheep a year ago.

#### Beef Price Top is \$12

More fat steers sold this week at \$10 to \$11 than in any previous week this year. The top price was \$12 paid for 1,194 pound steers. Choice yearlings, mixed yearlings, medium and heavy weight steers got in a \$10.50 to \$11 range. The steers at \$12 are the only bunch of finished cattle received this year. The best Colorado steers at Kansas City weighed 1,050 to 1,150 pounds and brought \$10 to \$10.30 a hundred pounds, the last named price being the highest paid for that class of cattle at any Missouri river market. South Texas grass fat steers sold at \$6 to \$8. Choice cows sold at \$6.50 to \$7.50 and heifers \$8.50 to \$9.50. The top price for veal calves was \$10.50. Practically all good to choice cattle were quoted 25 to 35 cents higher. Common to fair classes were steady.

#### High Notch for Hogs is \$7.45

Receipts of stock and feeding cattle were moderate. The bulk of the supply arrived in the first two days of the week, and sold readily at strong prices. Since then only light supplies were available and trade was quiet. Conditions favor the continuation of an active demand.

Hog prices today were advanced 5 to 10 cents to the highest point of the week and about a similar amount above last week's close. At mid-week there was a sag in prices but since then there was a quick recovery. Good light and medium weight hogs have advanced more than the heavier classes. The top price was \$7.45 with bulk \$7.20 to \$7.40. Packing sows sold at \$6.40 to \$6.60, and pigs and stock at \$5.50 to \$6.25.

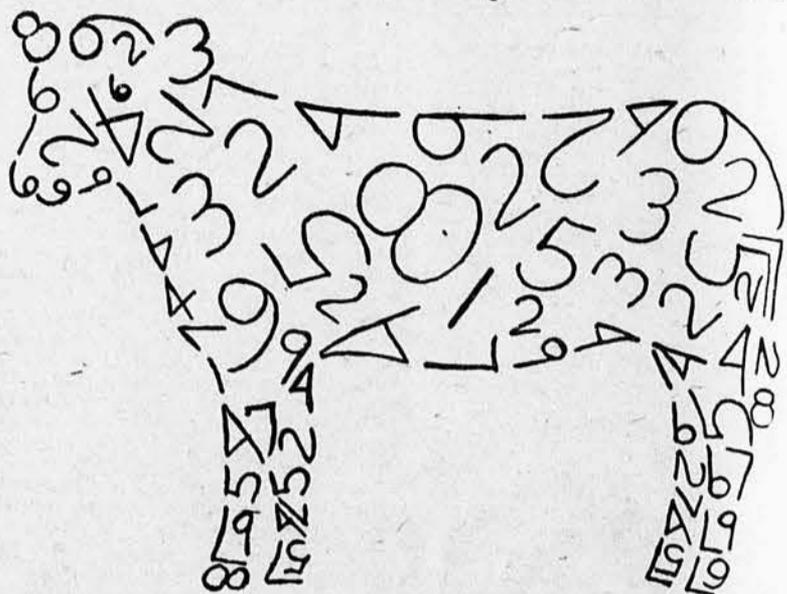
#### Sheep, Horses and Mules

Following a decline of 25 cents in the first two days this week the sheep market rallied again and closed only 15 cents under the extreme high point. On the close best lambs brought \$16 to \$16.15; clipped lambs \$13.85 to \$14.40, ewes \$10 to \$11, and wethers were quoted at \$11 to \$12.25.

Horses and mules sold readily at strong prices. The supply was short of demand. Larger receipts are needed.

Wheat scored a decided advance in price at Chicago this week owing largely to indications of big purchases. (Continued on Page 29)

## Prizes Given to Boys and Girls



## Think You Can Add?

### Find the Weight of the Calf

This puzzle looks like a hard one, but it is really very easy. You can solve it in a few minutes. To get the weight of the calf you simply add the numbers used in making the picture. Numbers run from one to nine inclusive.

There is no trick about this puzzle. If you add carefully, you can get the correct answer the first time you try. Remember that the numbers run no higher than nine. If two figures appear side by side, as 3 and 2, you are not to call the number thirty-two, but you are to add the figures separately as 3 and 2. The stems of the sixes are curved and the stems of the nines are straight. All other figures are written plainly, so there will be no chance for you to become confused.

### Mail Your Answer and Get a Prize

Sit down right now and add the numbers to find the weight of the calf. To each boy or girl under 16 years of age who adds the numbers we will send a prize package containing several amusing and useful articles. We want this to be a real surprise to you, so we will not tell here just what the package contains, but you may be sure it will please you. Don't fail to enclose 10 cents to pay for postage and wrapping of the prize package. We will mail you the prize package at once and will tell you about our plan to give away a boys' and girls' automobile, a Shetland pony and a number of purebred calves and pigs. Send your answer to Puzzle Man, Desk 620, Eighth and Jackson Sts., Topeka, Kan.

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The Topeka Daily Capital keeps in close touch with every section of the State and is the Official State paper of Kansas.

We will also keep you posted with National affairs from Washington, D. C. The 68th Congress is now in regular session and legislation of vital importance to everyone is being discussed and enacted into law.

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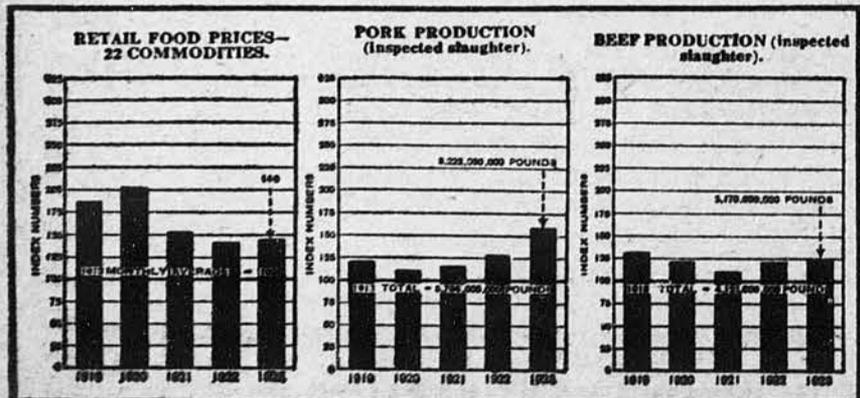
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This Chart Presents an Exhibit of Retail Food Prices and Also of Beef and Pork Production of the United States from 1919 Thru the Year of 1923

A little ether mixed with a pint of gasoline will aid greatly in starting any gasoline engine on a cold morning. A state seed law would permit thousands of Kansas farmers to know what they were buying.

### The Orchard and Garden

BY JOHN W. WILKINSON

THE old saying, "Variety is the spice of life," applies to the use of vegetables and fruits. There are enough different vegetables grown in Kansas so that people may have a great variety during the year. Variety in preparation is just as important as variety in kind. We eat potatoes daily without growing tired of them. Is it not because we have learned to prepare them in so many different ways? Any food becomes monotonous if served in the same way over and over again.

For variations with spinach try spinach and egg, spinach and bacon, spinach and cottage cheese, spinach hash, spinach croquettes, spinach loaf, jellyed spinach and meat, spinach and liver, escalloped spinach, cream of spinach soup or spinach salad. If the family is tired of stewed tomatoes, try cream of tomato soup, Spanish rice, fresh tomato salad, jellyed tomato salad and the many dishes that are served with tomato sauce, such as macaroni, escalloped hominy and cheese, baked onions, and fish.

It takes careful planning to provide a variety of vegetables and fruits for a family the whole year thru, but it is worth the effort and can be done thru good management. Let us each decide to train ourselves to eat all kinds of vegetables so they may do their part in making us healthy, happy and attractive.

#### What's a Garden Worth?

"How much is a garden worth to a family in the course of the year?"—that's a real question, and can you answer it either off-hand or on-hand? The Missouri State Board of Agriculture estimates the value of a garden on an average farm as \$68, but in reality this is too low. We would like to know what our Kansas farmers think a garden is worth in cash or its equivalent to an average family.

#### Best Seed Always Safest

The securing of good tested seed, true to variety name, is very important in small as well as in large plantings. When buying a certain variety of seed one likes to believe that he will get what he is paying for, but despite this, seed sometimes does not come true to label.

We recommend that both farmers and home gardeners get seed from reliable seedsmen. Some seed can be bought at various kinds of retail stores but, in buying, it is always well to note the name of the seedsman so that if the seed does not come true to label this year, the mistake of purchasing from the same source may be avoided next year.

#### The Origin of Arbor Day

Within the month of April the attention of thoughtful persons the country over will be seriously turned to the importance of tree planting and forest protection. Arbor day was observed in nearly every county in Kansas, but there was not as much tree planting done as there should have been.

The honor of originating the idea of Arbor Day belongs to Nebraska. At a meeting of the State Board of Agri-

culture of Nebraska, held at Lincoln, January 4, 1872, J. Sterling Morton of Nebraska City introduced a resolution that a day be especially set apart and consecrated for tree planting in the state of Nebraska. The resolution was adopted, and prizes were offered to the county agricultural society and to the individual who should plant the greatest number of trees. Wide publicity was given to the plans, and over a million trees were planted in Nebraska on that first Arbor Day.

In 1874, Governor Furnas of Nebraska, by public proclamation, set aside April 3 as Arbor Day, and in 1885 the state legislature passed an act designating the birthday of Mr. Morton, April 22, as the date of Arbor Day and making it a legal holiday.

Kansas and Tennessee followed the lead of Nebraska in 1875, then Minnesota. In 1882 two more states began to celebrate the day—North Dakota and Ohio. It was first observed by Missouri in 1886.

#### Training Grape Vines

One of the best and perhaps the most widely used system—the Kniffin system—may be outlined as follows:

1—Save a strong cane on each side of the trunk near the top wire.

2—Cut these to eight to 12 buds.

3—Do the same for the lower wire except cut the cane to six to eight buds.

4—If there is no cane available for a certain position, enough short canes of the right kind or even spurs can be left.

5—The cut should be made 1 inch from the last bud.

6—Weakened parts may be renewed by training new shoots to take their places.

7—When the trunk becomes weak a new shoot can be trained from the ground, cut off at the top wire and forced to make side shoots at both wires. The following year the old trunk can be removed.

8—After the vines are 6 to 7 years old it is advisable to pay especial attention to renewing the fruiting wood and preventing the accumulation of old wood. Therefore, fruiting canes should be chosen that originate close to the main trunk.

To assure the proper type of new fruiting wood for the following year, short spurs are left for each cane and as close as possible to the main trunk.

#### Trellising Berry Bushes

Berry bushes are much less damaged if all pruning and trellising is complete before young buds are large enough to be broken off in the work. It will soon be too late to prevent such breaking, so all incompleting trellising should be rushed.

#### Spray Early for Leaf Curl

Spraying with lime-sulfur to control peach leaf curl must be done early before the buds begin to swell. The need of spraying while the trees are in a dormant condition is important, for, as the buds swell, the bud scales separate slightly, allowing the spores of the fungus to enter and infest the young leaves, after which no form of spray will prevent the development of leaf curl.

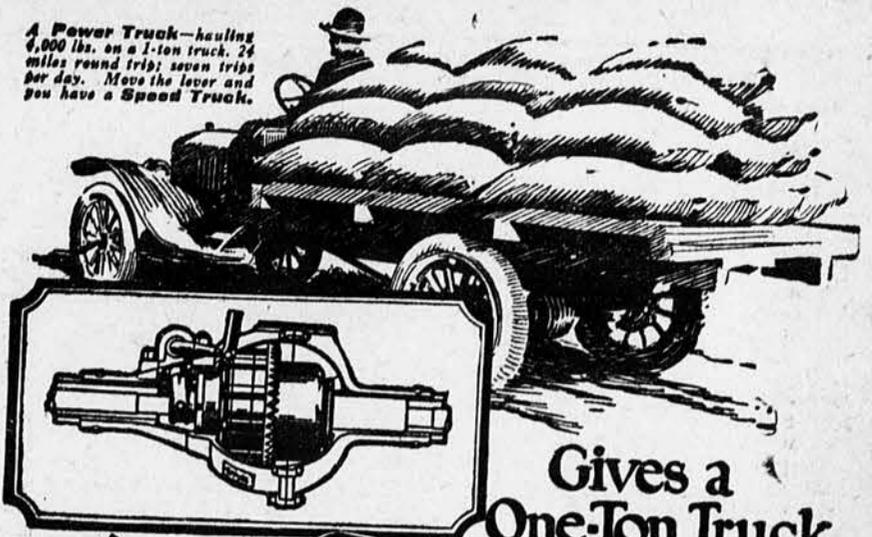
Even in parts of the state where the fruit buds have been killed, it will pay to spray for leaf curl as the trees need a vigorous growth of foliage in the early season to develop strong fruit buds for the next season's crop. This dormant spray is also employed to destroy scale and may be applied either in the fall or early spring.

### The Latest in Radio Circuits

DO YOU want to have the very latest information on radio receiving sets and equipment? If you are building a receiving set or if you contemplate building one, you should spend a little time studying the various circuits before you actually build a set. You may want to build a one or two-stage amplifier to go with your present set, or you may want to build a set employing the popular Neutrodyne or Heterodyne circuits. If so, you'll want the very latest information with plenty of good diagrams and illustrations to guide you in your work.

We have such a book now available in "Henley's 222 Radio Circuit Designs." This book has all of the latest information on the principles of radio, the construction of antennae of all kinds, coils and condensers, simple detector circuits, amplifier circuits, and all of the new Reflex, Heterodyne, Neutrodyne, Super-Heterodyne, Flewelling, Reinartz, and other circuits. There are 222 of them to choose from with illustrations and symbols all explained. Send \$1 to the Book Editor, The Kansas Farmer and Mail and Breeze, Topeka, Kan., and the book will be mailed to you without delay.

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Our Giant Linness Rhubarb, 12 for \$1; 100 for.....	\$6.00
Holt's Mammoth Sage, 25 for 50c; 100 for.....	\$2.00
Mallner Kren Horse-radish, 25 for 50c; 100 for.....	\$1.25
Concord Grapes, hardy, 10 for.....	\$1.00
Wyoming Red Grapes, 10 for.....	\$1.00
Choice of two Western variety Gooseberries, 10 for.....	\$1.00
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**M**ILD weather followed the wintry close of March and a few days of sunshine and spring-like temperatures enabled Kansas farmers to make good time with much of their delayed farm work and all Kansas crops show big gains in condition as a result of the change. It is hoped that April will atone in a large measure for the rough weather that was experienced in the cold blustery month of March.

All records for heavy snowfall in Kansas were broken in March, which had 25 per cent more snow than any other month since the statewide weather record was begun 37 years ago, and closed the winter with the heaviest snowfall in that time, according to the reports of 129 stations of the United States Weather Bureau at Topeka, Kan. The month averaged colder even than February preceding and came very nearly being the coldest and cloudiest March on record, according to S. D. Flora, state meteorologist. Temperatures ranged below normal almost the entire month.

**Record Breaker for Moisture**

In the western third more moisture fell than in any other March on record and it nearly all came as snow that soaked into the ground as it melted. The average of rain and melted snow over the eastern third was 2.17 inches; the middle third, 2.79 inches; the western third, 2.72 inches; and for the entire state, 2.56 inches, which is 1.13 inches above normal and exceeded the amount of the three previous months combined.

The total snowfall ranged from 1 foot to 2 feet in nearly all parts except the extreme eastern counties. Several southwestern counties had 3 to 4 feet, with a record breaking fall of 5 1/2 feet at Syracuse.

The heavy snows and wet or frozen fields prevented farm work almost altogether after the first week in March, when some oats and early gardens were planted in the south-central counties. The last 10 days permitted considerable headway with potato planting in the sandy soil of the Kaw valley. It was an ideal month for wheat, which stood well and was in promising condition, tho its growth was slow.

**Mild Weather of Great Benefit**

The warmer weather that followed in April started the wheat, alfalfa, and the early sown oats off with a very satisfactory growth. The wheat ranges in height now from 3 to 6 inches or more, but it will not begin jointing very much for three or four weeks yet.

Considered in a general way, the farm situation in Kansas is regarded as fairly favorable. So far as can be determined, acreages of the various crops will vary only in a slight degree from those of last year. Oats probably will show a decrease, while corn and kafir will show increases.

Agricultural production this year still will be confronted with the difficulties of high wages, loss of farm workers, and the general disparity between prices of farm and urban products. declares the United States Department of Agriculture in its recent monthly agricultural review.

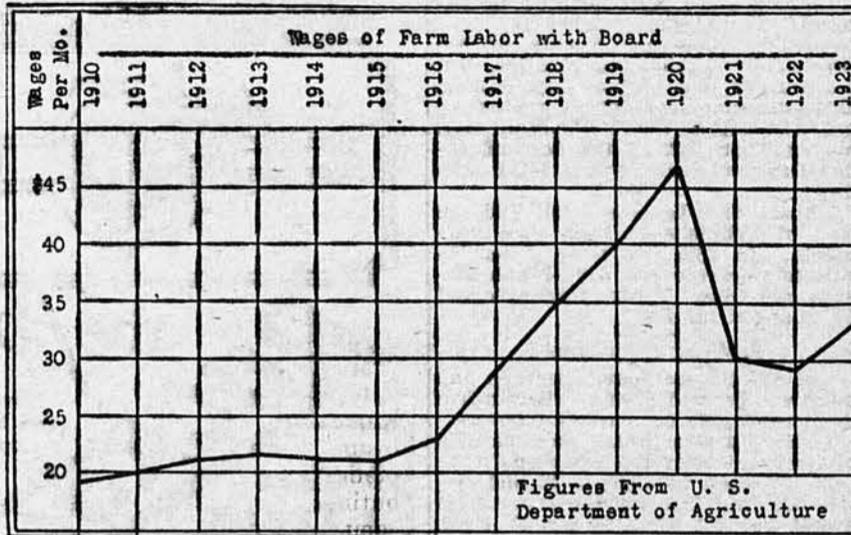
**Farm Wages Still Advancing**

Average farm wages in the United States last year were \$33.18 a month with board, compared with \$29.17 in 1922, the Federal Department of Agriculture reports. Increases were shown in all geographic groups of states, with largest increases in the North Atlantic and East North Central states, and the smallest raises in

# Kansas Crops Show Gains

## Farmers Plan to Sign Up 60 Million Bushels of Grain in the Big State Wheat Pool

BY JOHN W. WILKINSON



Farm Wages Last Year Were \$33.18 a Month As Compared with \$29.17 for 1922 and They are Still Advancing; the Low Point Was in 1910

the South Atlantic states. The increases are laid to industrial competition for labor.

The gross acreage in crops will be about the same as last year, it is said, if planting intentions are carried out as indicated in reports from 43,000 farmers filed on March 1.

Considerable readjustment in two major money crop regions, spring wheat and cotton, is reported. In the Northwest there is a tendency toward flax, oats, barley and livestock, and in the Southeast toward sweet potatoes, peanuts, tobacco and poultry.

Some improvement in the wheat situation is expected this year on account of the increase in consumption and by the smaller winter wheat acreages in most of the leading producing countries. Kansans also hope to bring about better marketing conditions thru co-operative organized efforts that will result in a marked improvement.

**Co-operative Marketing Will Win**

The Kansas 44 million bushel co-operative wheat pool is going to exceed the minimum figure proposed for it by May 24, according to W. C. Lansdon, chairman of the organization committee of the Kansas Co-operative Wheat Marketing Association, who believes that when the acreage signed into the pool finally is totaled up, it will show nearer 60 million than 44 million bushels. During the early part of the membership campaign, matters did not move so smoothly as expected, but as farmers over the state began to realize that the organization will be a benefit to them, and a protection to them from grain speculators, hundreds have come into the new organization voluntarily, not waiting, even, to have the organization and selling plan explained in detail to them.

A delegation of 30 of the agricultural leaders of Kansas and the Nation will appear in Kansas during the week of April 14 to 19 to address audiences of farmers and business men in practically every county on co-operative marketing and the 44 million bushel wheat pool now being signed up by the Kansas Co-operative

Wheat Marketing Association. The final schedules each of these men will follow during the week were announced at headquarters of the big pool in Wichita last week. All meetings have been called for 2 p. m., unless otherwise specified. The itineraries and some of the speakers will be as follows:

Former Governor Frank O. Lowden of Illinois, chairman of the National Wheat Growers' Advisory Committee, will speak at Dodge City, Larned and Newton, April 14, 15 and 16, respectively.

Aaron Sapiro, nationally known co-operative marketing specialist, is scheduled for Salina, April 19 and Wichita, April 21.

Dean H. Umberger, head of the extension division of Kansas State Agricultural College is billed for Council Grove, April 15; Chanute, 8 p. m., April 16; Cherryvale, 2 p. m., and Altamont, 8 p. m., April 17; and Columbus, April 18.

Senator E. E. Frizell, Larned, member of the executive committee for the 44 million bushel pool, will speak at Elkhart, Hugoton, Garden City, 8 p. m., and Lakin, 1:30 p. m., April 16, 17, 18 and 19, respectively. Ralph Snyder, president of the Kansas State Farm Bureau, will be at Atchison, Troy, Seneca and Valley Falls April 14, 15, 16 and 17, respectively.

**Governor Davis to Advocate Pooling**

Governor Jonathan M. Davis will speak at Emporia, 2 p. m., and Hutchinson, 8 p. m., April 14; Lyons, Great Bend, St. John and Pratt, April 15, 16, 17 and 18, respectively.

Dr. Bradford A. Knapp, president of Oklahoma A. and M. College, Stillwater, Okla., is scheduled for Caldwell, 2 p. m., and Arkansas City, 8 p. m., April 17, and Anthony, April 18.

W. C. Lansdon, chairman of the state organization committee for the big Kansas wheat pool and National lecturer for the Farmers' Union will speak at Ellsworth, 2 p. m. and Wilson, 8 p. m., April 14; Russell, April 15; Hays, 2 p. m., and Ellis, 8 p. m., April 16; Wakeeney, Quinter and Oak-

ley, April 17, 18 and 19, respectively. F. R. Shanks, organization manager for the 44 million bushel wheat pool; Eureka, 1:30 p. m., April 14. M. O. Glessner, state lecturer, Kansas Farmers' Union will talk at Lincoln, 2 p. m., and Lucas, 8 p. m., April 14; Waldo, Plainville, Hill City, Hoxie, and Morland, April 15, 16, 17, 18 and 19, respectively.

Walton Petzet, secretary, National Council of Co-operative Marketing Associations is scheduled for Ness City, Ellinwood, Sterling, McPherson, and Marion, April 14, 15, 16, 17, 18 and 19, respectively. B. E. Corporon, general manager of the Kansas Wheat Growers' Association and secretary-treasurer of the big pool executive committee will hold meetings at Belle Plaine, Pontiac, Potwin and Valley Center at 7:30 p. m. on April 15, 16, 17, and 18, respectively.

**John Tromble Favors the Move**

C. E. Brasted, secretary, Kansas Farmers' Union will speak at Fredonia and Yates Center, April 14 and 15, respectively; Garnet, 2 p. m., and Paola, 8 p. m., April 16, and Ottawa, Osage City and Alma, April 17, 18 and 19. W. L. Walker, president, Oklahoma Wheat Growers' Association, billed for Hoisington, LaCross, Ran-son, Shields, Scott City and Dighton, April 14, 15, 16, 17, 18 and 19, respectively.

John Tromble, president, Kansas Farmers' Union will speak at Belpre, Stafford, Hudson, Burns, Burdick and Cottonwood Falls, April 14, 15, 16, 17, 18 and 19, respectively. J. N. Kehoe, vice-president of the Burley Tobacco Growers' Co-operative Association of Lexington, Ky., will talk at Liberal, Sublette, Cimarron and Jetmore, April 16, 17, 18 and 19, respectively.

**Lambertson to Urge Co-operation**

W. P. Lambertson of Fairview, member of Kansas State Board of Administration and of the 44 million bushel pool executive committee, will make talks at Minneapolis, Beloit, Mankato, Smith Center, Phillipsburg and Osborne, April 14, 15, 16, 17, 18 and 19, respectively.

L. E. DeVoss, manager the Farmers' Union Jobbing Association, Kansas City, Mo., will speak at Sabetha, April 14; Horton, 2 p. m., and Holton, 8 p. m., April 15; Onaga, Olsburg and Leonardville, April 16, 17 and 18, respectively. C. O. Moser, secretary American Cotton Growers' Exchange of Dallas, Tex., will talk at Winfield, April 15; Belleville, 2 p. m., and Concordia, 8 p. m., April 16; Clay Center, 8 p. m., April 17.

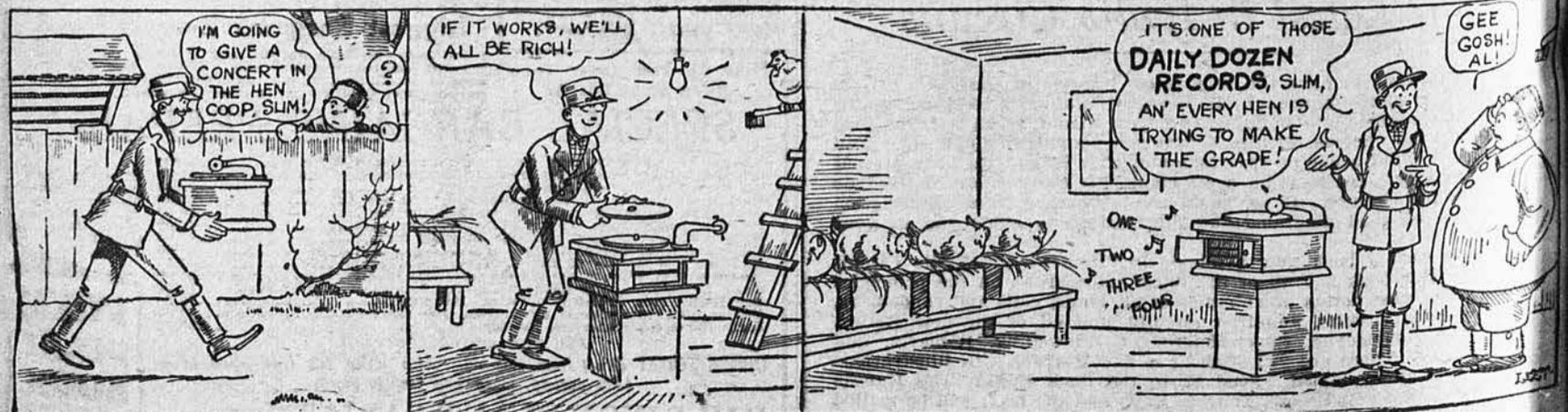
**Other Distinguished Speakers**

Charles G. Henry, president Arkansas Cotton Growers' Co-operative Association, is to speak at Olathe, Lawrence, Topeka, Hiawatha, Marysville and Washington, April 14, 15, 16, 17, 18 and 19, respectively.

William H. Settle, president Indiana Farm Bureau Federation, Indianapolis, Ind., will make addresses at Pratt, 7:30 p. m., and Greensburg, April 14 and 15, respectively; Coldwater, 2 p. m., and Ashland, 7:30 p. m., April 16; Bucklin, April 17 and Meade, April 18.

Carl Williams, editor of The Oklahoma Farmer-Stockman, of Oklahoma City, will speak at Wellington, Harper and Kiowa, at 3 p. m., on April 14, 15 and 16, respectively; Kingman, 7 p. m., and Turon, 8 p. m., April 17; Herington, April 18, and Abilene, April 19. John Manley, secretary Oklahoma Wheat Growers' Association, will talk at Norton, Oberlin, Atwood, St. Francis, 7:30 p. m., Goodland and

(Continued on Page 26)



The Activities of Al Acres—Al Speeds Up Egg Plant by Power of Suggestion

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## The Hired Man's Column

BY T. W. MORSE

THEY separate the sheep from the goats all right, at the Kansas City Stock Yards. The day top lambs sold at \$16.35, goats sold at \$5.65.

An Oklahoma University debater won in a National collegiate oratorical contest. Next to him ranked a member of the Kansas Agricultural College team that won in five successive collegiate debating contests. The West always can "tell 'em."

"The oil man must be gettin' set to pay a grate big fine Fer low test gas is sellin' fast at nineteen and nine."

Hy Geer.

California is having her troubles with the foot and mouth disease on account of which nearly a dozen counties wer put under strict quarantine about the first of March. A month later the inspectors were putting guards around the third outside infection center to develop.

### New Central Shorthorn Officers

New officers for the Central Shorthorn Breeders' Association are J. F. Richards, Bevier, Mo., president; James Dawe of Troy, Kan.; V. O. Hildreth of Aledo, Tex.; G. D. Counts of Wesley, Ark., and H. C. Blazer of Kansas City, vice-presidents for their respective states. W. A. Cochel was elected to succeed himself as sale manager and S. T. Simpson of St. Louis, Mo., to succeed himself as secretary.

### Can They Popularize Milking?

Another chamber of commerce is getting back of the program for more dairying in its community, the organization at Wellington, Kan. County farm agents, milk inspectors, hospital supply supervisors and others, met dairymen and prospective dairymen of Sumner county in a big two-day meeting and dairy school.

### Bad News for Dogs

An outbreak of rabies caused state livestock sanitary authorities to put 100 square miles of Northeastern Sumner county, in Kansas, under quarantine. The quarantine was for 40 days beginning March 18. Several people, and a number of farm animals had been reported bitten by dogs supposed to have the rabies.

### More Milk for Mexico

Herd bulls produced in the dairy herds of the Kansas State Agricultural College have been sold in 64 Kansas counties; 11 states outside of Kansas and one country outside our Nation. This last is Mexico, a Holstein bull recently having been shipped from the college herd at Manhattan to the Mier ranch in Aguas Calientes, a trip of 1,500 miles.

### How is it in Your State?

A. T. Semple, in the United States Bureau of Animal Industry, is quoted as saying that "purebred cattle should be assessed (for local taxation) but little, if any, higher than grades." He was answering an inquiry from the secretary of the state assessment commission in Connecticut, asking as to the policy of the United States Department of Agriculture in this matter.

### Library for Breeders' Club

As a sample of the ways in which a local breeders' association can help its members more than the big national associations can, the Mulvane Holstein Breeders' Club is establishing a Holstein library in the office of the county farm bureau. Complete sets of Holstein-Friesian Herd Books and Blue Books are important features of the library.

### Makes Oil the Difference in the World

Osage Indian land, possibly some of the same that recently sold at nearly 2 million dollars a quarter section because of the oil under it, rented for pastures as low as 12 cents an acre two decades ago. The Drovers' Telegram quotes from its issue of March 20, 1904, a report of leasing a 22,340 acre pasture on that basis. Leases for smaller pastures and better land ran higher, averaging 30 cents.

# Why Not Keep the Money in Your Own Pocket?

**KANSAS MUTUAL HAIL INSURANCE SAVES FARMERS THOUSANDS OF DOLLARS YEARLY IN PREMIUMS**

Insure your crops against damage by hail this year with some Kansas mutual hail insurance company—and save the difference in rates for yourself. Kansas mutual companies have saved the farmers of Kansas thousands of dollars each year, and in almost every state where mutual companies are operating rates are far lower than in states where they do not operate. Other hail rates in Kansas are from 8% to 33% higher than those of the Kansas mutual companies.

## MUTUAL INSURANCE IS SAFE INSURANCE

Mutual insurance is co-operation, the policy holders are guaranteeing one another against loss. But the co-operation in Kansas extends further than the one company in which you are insured. By an act of the Kansas legislature in 1921 the companies are permitted to re-insure with each other, thus distributing the risks so that a severe storm with heavy losses in any community is not a drain on one company, but a liability met by three or four companies. You buy only one policy, but back of it in most cases are the assets of two or more companies. This Re-insurance, or distribution of risk, is a wonderful step forward in mutual insurance and a guaranty of safety.

Kansas wheat now faces practically only one danger—HAIL. Insure your acreage now. It costs no more to be protected all the way thru.

There is a Kansas Mutual Hail Insurance agent near you. Get in touch with him or write any of the following companies.

- |                              |                                  |
|------------------------------|----------------------------------|
| Lincoln Mutual Insurance Co. | Grain Growers Hail Insurance Co. |
| Topeka                       | Topeka                           |
| United Hail Insurance Co.,   | Topeka                           |
| Farmers Hail Insurance Co.   | Sterling Insurance Co.           |
| Hutchinson                   | Topeka                           |



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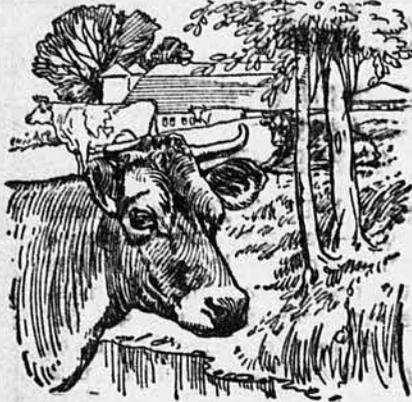
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You know from experience that hardly a week goes by without some one of your cows suffering a more or less painful injury to the teats or udder.

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Feed dealers, general stores and druggists sell the big 10-ounce can—50c. Useful booklet, "Dairy Wrinkles," free by writing.

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## Dairy Hints For Farmers

### Cows Must Have Plenty of Water at All Times in Order to Insure Best Production

BY J. H. FRANSEN

**W**ATER is cheap. Water is abundant and in reach of all. And yet many cows actually are starved for water on hot, sultry days, while their owners wonder why they produce no more milk!

Chemical analysis shows milk to contain 87 per cent water. Obviously, cows cannot continue to give milk without having plenty of water. Plan now to have a full supply of good water in the pasture during the coming hot season, or—if that is impossible—see that the cows have a chance several times a day to get all the good, cold water they will drink. Humane treatment of this kind will be amply repaid in increased milk production.

#### Is Pasture High Priced Milk Feed?

Every dairyman knows that the cows do better on green grass with a little grain than anything else. He knows the cows are anxiously awaiting grass and they will break thru fences to get it when it does come. The dairyman himself is anxiously looking for the time when the cows get out on green grass and he has no more hay and grain to feed or buy. He commonly thinks of pasture as being the cheapest milk feed. And pasture ought to be cheap because the cows harvest the crop, thresh it into milk and leave the manure out on the field.

If, however, pasture cost be figured out as follows: Cost of fence, upkeep on fence, interest on investment, taxes and the amount of milk and cream we lose by letting the cows get down in production when pasture dries up—then we will find that pasture frequently is our highest priced milk feed. This cost can be off-set, of course, if we have some rough land, suitable for pasture only, which we do not pasture enough to injure the grass.

Still more important is a Sweet clover pasture which along with a small patch of Sudan will furnish pasture cheaper than any other method. These crops will not pay unless a good stand is obtained. Good stands can be obtained by using pure seed of high germination and the proper methods of culture.

#### Is Babcock Test Reliable?

A subscriber at Wichita, writes us as follows:

"Is the Babcock test reliable? Can anyone make the test? I would like to buy a tester if I knew I could do the work myself."

Yes, indeed, the Babcock test is accepted as 100 per cent reliable, and best of all the operation of the test is so inexpensive and so simple that anyone can make the test provided he uses just ordinary intelligence.

A complete Babcock testing outfit can be purchased from any of our dairy supply houses for from \$5 to \$10. Sulfuric acid used for the test costs only a few cents a quart and can be secured from any wholesale drug or dairy supply house.

The Babcock test is so accurate that it has long been accepted as the only accurate basis for buying milk or cream, and milk scales and a Babcock tester are our best means of ascertaining the difference in production of the cows in the herd. Every up-to-date dairyman should make an effort either by his own test, or by testing done by a cow testing association or by his county agent, to find out just what his cows are doing.

The Babcock test has been fully described in previous issues of this paper. Bulletins telling just how the test is made can be secured free from your agricultural college or from the U. S. Dairy Division, Washington, D. C.

#### Dairy Farm Leases

Kansas dairymen have had great difficulty in securing satisfactory agreements between landlord and tenant for dairy farms. It has long been conceded that the small farm must have dairy cows and most of the well-informed, far-sighted landlords are very anxious that their tenants should

milk cows. Yet there has been much difficulty in arriving at a suitable agreement. No system of tenantry can be successful unless it encourages the tenant and builds or increases his desire and ability to become an owner. On the other hand, a lease must be such that it is a good financial proposition for the owner.

#### Vitamins for Cows

Remarkably interesting and important discoveries of certain minute, mysterious substances in feeds have been made in the last decade. The mysterious characteristics of certain feeds to preserve life are said to be due to their vitamin content. Many diets have been prepared in the laboratory which, altho containing sufficient proteins, carbohydrates, fats and minerals will not keep the animal alive.

Occasionally human beings whose food consists entirely of cooked foods, without fruits or vegetables, are injured because of lack of vitamins. These substances, whose chemical composition is as yet unknown, are absolutely essential for life. Fortunately, however, a ration made up of our Kansas growers' feeds, such as alfalfa, silage and a mixture of grains, seems to furnish all the vitamins a cow needs, providing she is kept on pasture in summer.

#### Kansas Crops Show Gains

(Continued from Page 24)

Colby, April 14, 15, 16, 17, 18 and 19, respectively.

Local conditions of crops, livestock, farm work and rural markets are shown in the following county reports of the special correspondents of the Kansas Farmer and Mail and Breeze:

**Barber**—March 30 we had another snow which stopped farm work that had just begun after a previous storm. Wheat has ample moisture. Oats planting is in progress and a large acreage is being prepared. There will be a large acreage of corn, kafir and cane. Rural market report: Butter, 40c; wheat, 94c; corn, 85c; oats, 70c; eggs, 16c.—J. W. Bibb.

**Brown**—A few farmers started sowing oats last week, but the rains prevented very much work along that line. Wheat fields are getting green, and pastures are showing signs of life. Farm operations are very slow. Rural market report: Wheat, 95c; corn, 85 to 70c; oats, 50 to 55c; cream, 43c; eggs, 15c; hens, 17c; hogs, \$6.50.—C. Dannenberg.

**Clay**—The severe snowstorm of March 16 caught many farmers out of feed for their livestock. Many cars were stalled in snow-drifts for days. Mail carriers were unable to make their routes for several days. Oats and potato planting has not been finished. Wheat fields are becoming green. Rural market report: Wheat, 85c; corn, 70c; oats, 45c; eggs, 17c; butter, 45c; butterfat, 40c; shorts, \$1.50; bran, \$1.30; hogs, \$6.50; heavy hens, 18c.—P. R. Farslund.

**Cloud**—The last 10 days of March were cold and snowy. The ground was covered with several inches of snow which melted slowly and went into the ground. There has been very little oats sown yet, and no potatoes have been planted. Wheat is in excellent condition. Hens are getting busy and have increased the egg production. Rough feed is scarce.—W. H. Plumly.

**Dickinson**—We have had some real winter weather lately. After the recent heavy rain field work is checked again. Some farmers will finish oats sowing within the next few days. Oats that have been sown a month are not up yet. Most of the wheat is in splendid condition since the rain. There have been no potatoes planted, nor gardens made thus far. Small chicks are not doing well because of the cold weather.—F. M. Lorson.

**Doniphan**—We are enjoying splendid weather, but the ground freezes nearly every night. Farmers are preparing to sow oats. Orchardists are pruning and preparing for spraying. Rural market report: Butter, 39c; cream, 42c; eggs, 16c; oats, 68c; corn, 70c; potatoes, 75c; hogs, \$7.20.—B. B. Ellis.

**Ford**—The snow has nearly all disappeared. Roads have been in bad condition during the last two weeks. Oats and barley sowing will be late this year. Wheat is doing well, but the fields are too wet to be pastured. Feed is getting low, but with warm weather grass should come early this year.—John Zurbuchen.

**Greenwood**—Very little oats has been sown. A small acreage was planted before the big snow, on March 7, but the fields have been too wet to work since. Wheat fields are in excellent condition.—John H. Fox.

**Hamilton**—During the month of March 67 inches of snow fell, which is equivalent to 5.86 inches of water. There is more moisture in the ground now than there has been for 15 years. There has been a slight loss of livestock due to the storms. There have been a few public sales, and prices were satisfactory. Wheat shows fine, tho it is not very big. Many hogs have been shipped out of the county to market. Roads for the last two weeks were nearly impassable, altho they are improving slowly.—W. H. Brown.

(Continued on Page 27)

## DR. HESS DIP and DISINFECTANT

FOR sheep ticks, scab, foot rot, maggots and shear cuts.  
For hog lice, skin diseases and healthful surroundings.  
Provide a wallow for your hogs. Add Dr. Hess Dip occasionally. It's the handy way.  
Sprinkle in the dairy barn. Keeps everything sanitary and clean-smelling.  
Sprinkle or spray the poultry-house occasionally to kill the mites, lice and disease germs.  
There is scarcely an animal parasite, skin disease or infection that Dr. Hess Dip and Disinfectant will not remedy.  
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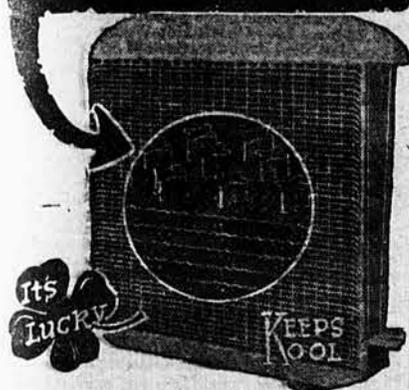
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Sold thru dealers for only \$17.50. Manufacturers of the Standard McQuay Radiators. Send direct for illustrated folder.

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## 1922 Seed Corn

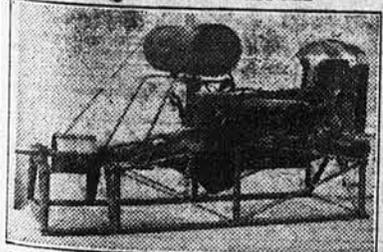
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10 MONTHS TO PAY

# Cutting Costs at Harvest

## Modern Machinery Decides Between Profit or Loss on Many Kansas Wheat Farms

BY FRANK A. MECKEL

LAST year there were some Kansas wheat farmers who made a little money on their wheat. There were a great many more who lost money. The difference between the small profit and the big loss was brought about by the cost of harvesting the crop, in most cases.

### Where Retrenchment is Possible

Production costs cannot be cut much in the operations of plowing, preparing a seedbed or seeding the wheat. Those costs are pretty much fixed. The plowing costs perhaps can be cut slightly by the use of more power which will do more work in a shorter period of time, but the big cut can be made at harvest.

The old methods of cutting with binders and shocking the bundles, or cutting with headers and stacking the grain, simply would not permit a man to operate profitably last year. They will not permit him to operate profitably this year unless the price of wheat takes a sudden upward jump. There's little in the way of bright prospects for any sudden rise in wheat right now.

But when it costs \$4 or \$5 a day for harvest hands to stack the wheat or to set the bundles up in shocks, and when it costs the same amount or more for more harvest hands to knock down the shocks and load the bundles on wagons to be hauled to a thrasher later on, and when it costs from 10 to 15 cents a bushel to run the grain thru the thrasher, there's little left in the form of profit for the wheat grower.

The farmers who were making a little money last year were doing it by eliminating most of the harvest hands and replacing them with more modern machinery. The combines and header-threshers were going around the wheat fields, cutting and threshing the wheat and putting it into grain wagons or even into the grain bins of local elevators or farm elevators at a cost ranging from 5 to 8 cents a bushel, which was just about half the cost of running it thru the thrasher on the other farms. They were doing the job with three or four men while the other fellows had crews ranging from half a dozen to a dozen or more, and they were getting their wheat out of the way, getting some fertility back on the wheat ground in the form of straw, and they were ready to plow up their fields or disk them the day after the grain was cut, or on the same day in many cases.

### Balancing the Issues

The new machines spelled the difference between a profit and a loss in Kansas last year when the wheat was not particularly good. They will do the same thing in a good year, for with more wheat to cut on a given area of ground, they will operate even more efficiently and cut harvest costs even more than they would on a rather poor stand.

There are now several makes from which a wheat farmer may choose. This year there will be one or two new combine harvesters on the market. Manufacturers have been busy working the kinks out of these machines and those on the market today are pretty smooth working affairs. Kansas is doubly blessed in having repair part depots handy in several parts of the state. The branch houses at Kansas City, Wichita and Salina can take care of the needs of the state in emergencies, and this in itself is a big item, but the modern machines are requiring fewer replacements of

parts. The weak points have been strengthened in most of the machines and they are becoming more and more reliable. Just as the cradle and scythe gave way to the reaper and mower, those machines are now giving way to the newer types of harvesters, and each type is producing for less money and labor than did its predecessor. Costs cut at harvest will leave a balance in the bank, but the old methods will continue to eat up the profits.

### Kansas Crops Show Gains

(Continued from Page 26)

**Harper**—Wheat is starting well and is in fine condition, but probably will be injured by late pasturing. The acreage in oats leads other spring crops. Gardens will be late. Rural market report: Wheat, 90c; eggs, 16c; cream, 38c; hogs, \$6.60.—S. Knight.

**Kiowa**—Because of the recent snow all farm work has been stopped. The ground is thoroughly soaked, and it will be some time before farmers can get into the fields. Livestock has not suffered as there is plenty of feed. Rural market report: Wheat, 91c; corn, 60c; barley, 50c; kafir, 55c; milo, 80c; hogs, \$6.25; cream, 42c; eggs, 15c; butter, 45c.—C. T. Lookhart.

**Labette**—A light snow fell here during the last week of March. Wheat is showing up nicely. There are some oats yet to be sown. Feed is not very plentiful and is high in price. Better prices are prevailing at public sales. An injunction against hard road building is before the court. Rural market report: Wheat, 95c; potatoes, \$1.20; corn, 85c; oats, 75c; bran, \$1.50; flour, \$1.65; eggs, 16c.—J. N. McLane.

**Linn**—Farmers will be in the fields again soon, but little if any oats have been seeded yet. There will be some flax sown. Some farmers are moving now. Rough feed for stock is scarce, but livestock is looking well. No potatoes have been planted nor garden beds made. Rural market report: Hogs, \$6.50; eggs, 17c; corn, 75c; flour, \$1.65; shorts, \$1.50 a cwt.—J. W. Clinesmith.

**Norton**—Continued snows and rains have delayed oats and barley sowing indefinitely. No potatoes have been planted. Feed is becoming scarce and livestock has been suffering with the changeable weather. Rural market report: Alfalfa hay, \$12 a ton; wheat, 70c; corn, 57c; cream, 41c; eggs, 15c; hens, 18c.—Jesse J. Roeder.

**Osage**—We have been having stormy weather, but conditions have improved during the last week and farm land is being prepared to receive spring crops. Very little kafir has been shipped out of the county, and many farmers are feeding it to hogs and poultry. Kafir will be grown extensively this year. Poultry is more profitable than hog raising, and farmers are going into the poultry business on a large scale this year.—H. L. Ferris.

**Pawnee**—The big snow left the ground in fine condition for spring crops. Wheat is in excellent condition and farmers are expecting a good crop. Farm sales are beginning. A great many would quit farming if they could realize any profit from the sale of their stock and implements.—E. H. Gore.

**Riley**—Another cold wave with a light snow came our way during the last week of March. Oats have been drilled in the ground where wheat was killed. Most wheat fields are thin and slow in greening up. Not much farm work has been done. Some spring pigs have arrived and a few incubators are hatching. Rural market report: Eggs, 16c; wheat, 94c.—P. O. Hawkinson.

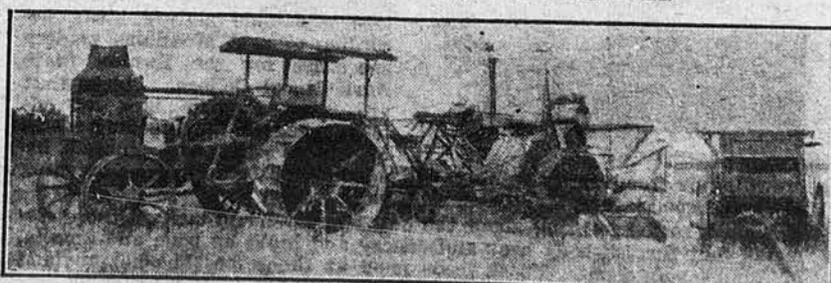
**Sumner**—The last half of March was disagreeable and wet. No farm work was done during this time. Early winter wheat is in splendid condition. Oats which were sown before March 1 are coming up. Some potatoes have been planted, but no gardens have been prepared. Feed is scarce. Rural market report: Wheat, 97c; corn, 80c; oats, 55c; butterfat, 42c; hens, 17c; eggs, 15c.—John Finn.

**Wyandotte**—Spring seems to be on the way with the pastures beginning to show good green growth. Wheat seems to have wintered well. Potato planting is progressing. Farm labor is plentiful. Few public sales are held. Many county farm meetings under county agent leadership are being held.—A. C. Espenlaub.

### Colorado Crop Reports

**Elbert**—We are enjoying beautiful spring weather. Pastures are turning green. Heavy snows have brought about a heavy consumption of feed, but the supply is plentiful. There has not been much loss of livestock reported. Rural market report: Cream, 43c; eggs, 20c.—R. E. Patterson.

**Monte**—Several fruit farms are changing hands. Public sales are being held in this county frequently. Rural market report: Butterfat, 48c; corn, \$1.50; fall hogs, 7c; eggs, 18c.—George Rand.



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5	675 lbs.	10 to 15	77.00	

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# White Diarrhea

### Remarkable Experience of Mrs. C. M. Bradshaw in Preventing White Diarrhea

The following letter will no doubt be of utmost interest to poultry raisers who have had serious losses from White Diarrhea. We will let Mrs. Bradshaw tell of her experience in her own words:

"Gentlemen: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. I used to lose a great many from this cause, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 47, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail.—Mrs. C. M. Bradshaw, Beaconsfield, Iowa."

### Cause of White Diarrhea

White Diarrhea is caused by the Bacillus Bacterium Pullorum. This germ is transmitted to the baby chick through the yolk of the newly hatched egg. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all drinking water for the first two weeks and you won't lose one chick where you lost hundreds before. These letters prove it:

### Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor; they develop quicker and feather earlier."

### Never Lost One After First Dose

Mrs. Ethel Rhoades, Shenandoah, Iowa, writes: "My first incubator chicks, when but a few days old, began to die by the dozens with White Diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally, I sent to the Walker Remedy Co., Waterloo, Iowa, for a box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."

### You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for package of Walko—give it in all drinking water for the first two weeks and watch results. You'll find you won't lose one chick where you lost hundreds before. It's a positive fact. We guarantee it. The Leavitt & Johnson National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of this guarantee. You run no risk. If you don't find it the greatest little chick saver you ever used, your money will be instantly refunded.

WALKER REMEDY CO., Dept. 47, Waterloo, Iowa.

Send me the [ ] 50c regular size (or [ ] \$1 economical large size) package of Walko White Diarrhea Remedy to try at your risk. Send it on your positive guarantee to instantly refund my money if not satisfied in every way. I am enclosing 50c (or \$1.00). (P. O. money order, check or currency acceptable.)

Name .....

Town .....

State..... R. F. D.....

Mark (X) in square indicating size package wanted. Large package contains nearly three times as much as small. No war tax.

# Capper Poultry Club

## Leaders Busy Planning for Meetings. Please, Mr. Weather Man, Co-operate With Them

BY HAZEL M. FLANAGAN  
Assistant Club Manager

EVERY team in the poultry club race is a pep chain composed of links. These links are made of pep and the chain is as strong as its weakest link. The smallest link of all may be the strongest. One link is the leader and the other links are to follow her, giving her all of the assistance and co-operation possible. The leader can't do all the work and bring a team to victory. True, she can do more than the others, but she can do nothing without the help of her team mates or the other links in the chain.

There are now 21 teams entered in the pep race and I am sure you will agree with me that it is going to be a lively and interesting race.

### Two New Teams Entered

Osage county is back in the race this year with Mildred Ringey as leader. This is Mildred's first year, but she is going to do her best for her county.

When teams are organized on the community plan, as they are this year, it often includes more than one county. Around Centerville and Greeley is a team composed of eight members which is going to be the Linn-Anderson team. Rubie Mae Guffey is leader of this team and since she has had several years of experience in club work in Linn county, I rather think they are going to do some good work this year.

### County Leaders Busy

The busiest people are the ones who find time to do more. Our county leaders are busy with other work but are willing to tackle the task of leading their teams. They feel confident of co-operation and help from their team mates and they aren't going to be disappointed, are they, girls?

Rooks county is in the race good and strong this year. Here is part of a letter from their county leader, Eva Evans: "I am glad to get the opportunity of being leader and am going to try and do all I can to help Rooks county win the 1924 trophy cup. We have planned our April meeting. It is to be held at the home of Mr. Mattingly who operates a large hatchery at Zurich."

Republic county hasn't been represented in the pep race for a couple of years, but this year a good strong team is lined up with Reba Nordman as leader. "I have been glad many times that I belong to the Capper Poultry Club and I am sure that the boys and girls who belong to the clubs enjoy it. We are going to begin holding meetings soon. All the members of our team have lots of pep and we are going to show it, too."

Linn county has a leader who has been in club work several years and has won a number of prizes. Grace Harrison is going to do her best to win the trophy cup this year. "I received my letter saying that I was leader. I was rather surprised, for I

came home from school and was thinking about my school work and the many other things I had to do, but there is always time for one more thing. I am going to plan my April meeting soon."

Laura Cunningham is leader of Morris county and they are going to work hard this year. "I received your letter today and surely was surprised to know that I had been appointed leader. I am going to do my best to win the race this year."

### No Bulletin Reviews This Year

Several of the girls have written me in regard to bulletin reviews. We have decided not to have them this year, because so many of the girls reviewed practically all the poultry bulletins last year, that there would not be much to gain by reviewing them again.

## The Farniscope

### No Machine Work

A little chap was offered a chance to spend a week in the country, but refused. Coaxing, pleading, arguing, promising of untold wonders, alike brought from him nothing but the stubborn ultimatum: "No country for me!"

"But why not?" some one asked finally.

"Because," he responded, "they have thrashin' machines down there, an' it's bad enough here where it's done by hand."

### Waiting

First Englishman—"Charley, did you hear that joke about the Egyptian guide who showed some tourists two skulls of Cleopatra—one as a girl and one as a woman?"

Second Ditto—"No; let's hear it."

### Ready to Oblige

Judge (to defendant)—"Do you want to challenge any member of the jury?"

Ex-Prize-Fighter—"Ah ain't feelin' jes' right, Judge, but ah don't mind goin' a couple of roun's with that fat gemmun in the co'ner."

### For a "He" Europe

We take exception to the custom of speaking of Europe as "she." The woman always pays.—Louisville Courier-Journal.

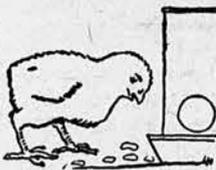
Well, if the mere matter of changing its sex will help any, let's do it.

### A Job Waiting

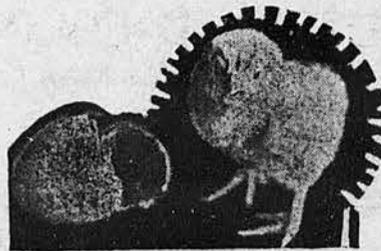
Family landed at Ellis Island speaking a language nobody could understand. If they could only sing they would make a valuable addition to grand opera.—New York Evening Mail.

### The Donor

Magistrate—"Are you married?"  
Prisoner—"No, I got this black eye from a friend."



## Better Baby Chicks Our Slogan



STRONG, healthy, vigorous chicks, given the proper kind of feed in sanitary quarters, free from dampness, comfortably warm and with ample ventilation, will develop properly and grow into profitable mature birds, according to J. H. McAdams, poultry specialist for the Kansas State Agricultural College. Chicks that are stunted thru lack of vitality used in the breeding stock, or chicks that are stunted by crowding or from scanty feeding, will not develop into vigorous breeding stock and good layers, Mr. McAdams says.

A chick ration to bring about the best results should contain those elements that furnish body heat and energy and build up bone and muscle, McAdams points out. These feeds must at the same time be provided with respect to the ease with which they can be handled by the chick.

**\$13<sup>95</sup> Champion Belle City \$21<sup>95</sup>**  
140-Egg Incubator 230-Egg

Hot-Water, Copper Tank, Double Walls Fibre Board, Self-Regulated Safety Lamp, Deep Nursery, Thermometer & Holder, Hatchery, chicks, turkeys and geese \$6.95 buys 140-Chick; \$9.95 buys 230-Chick Hot-Water Double-Walled Brooder. Save \$1.95 - Order Both. A complete hatchery. 140 Size Incubator and Brooder, \$18.95 230 Size Incubator and Brooder, \$28.95

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**140 Egg Incubator \$13<sup>25</sup>**  
30 Days Trial

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140 Egg Incubator and Brooder - \$17.75  
180 Egg Incubator Alone - 15.75  
180 Egg Incubator and Brooder - 22.00  
250 Egg Incubator Alone - 22.75  
250 Egg Incubator and Brooder - 31.00

Made of California Redwood. Positively the best value on the market. Order direct from this ad. 30 days trial—money back if not pleased. If not ready to order now, don't buy until you get our 1924 catalog which shows larger sizes up to 1000 eggs. (3)

WISCONSIN INCUBATOR CO. Dept. 138 Racine, Wis.

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**KUR-HO** for Cholera, Pneumonia and Worms in Hogs. King of all treatments for these diseases. \$1.00 per bottle; \$5.50, 1/2 dozen; \$10.00 dozen prepaid.

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**LEE'S LICE KILLER**  
The Old Reliable Has proven itself year after year the one sure way to rid poultry of lice, mites, bedbugs, body lice and such vermin. Paint or spray on roosts, etc. No dusting, dipping, greasing, handling. Get it at your drug or seed store, or write us for particulars and our free book. **GEO. H. LEE CO.** Omaha, Nebr.

**QUALITY Chicks & Eggs**  
48,000 PURE BRED BREEDERS. 15 varieties. Best laying strains. Incubate 25,000 eggs daily. Catalog Free. Prewar prices. Free live delivery.

**Missouri Poultry Farms, Columbia, Mo.**

**LOW CHICK PRICES**  
Send for our big free catalog. Our chicks are much better and our low prices are causing a sensation. **COLONIAL POULTRY FARMS, BOX 7-D WINDSOR, MO.**

**CHICKS** 500,000 vigorous, livable, from standard bred high egg record flocks. White, Buff, Leghorns, Anconas, 100, \$11; 500, White, Br. Rocks, S. C. & R. C. Reds, Buff Orps., 100 Wyandottes, 100, \$13; 500, \$60. Leftovers, all breeds, 100 Prompt 100% live delivery. Postpaid. Catalog free.

**BUSH'S POULTRY FARMS, Dept. K2, Clinton, Mo.**

**HARDY OZARK CHICKS**  
10 varieties. Purebred chicks and hatching eggs. Big catalog free. **Kennedale Hatchery, Springfield, Mo.**

**WHITE DIARRHEA** is a blood disease. Purify the blood and you will save the chick. POM'S GOLDEN WONDER given in the first drinking water 9 days a week for 2 weeks will save 95 out of every 100 hatched. Stop them from dying. 50c and \$1.00 bottles at your dealer or direct. The I. A. Pommer Co., Topeka, Ks.

**STANDARD BRED CHICKS**  
from heavy laying, inspected flocks will make you money and please you. Rhode Island Red, Plymouth Rock, White Wyandottes, Buff Orpingtons. Anconas. Catalog free. It will save you money, write today. **BAKER'S HATCHERY, Box 11, Ashland, Kas.**

**SEED CORN**  
Reid's Yellow Dent, shelled and graded, bushel. Germination 90%. Send cash with order. **BROWN COUNTY SEED HOUSE, Hiawatha, Kansas**

**Pigs Thrive on Pasture Sash**  
(Continued from Page 14)

As a rule the seed is so valuable that the farmer cannot afford to use the crop for pasture except when it is grown with corn. They will carry 10 to 15 head to the acre for a short period in fall, and will make 75 to 200 pounds of pork to the acre, depending on the stand.

**Rye Extends Grazing Season**

By planting rye in early fall or late summer farmers may extend their normal grazing season two or three months. It will provide pasture in late fall after other crops have been frosted and in early spring before permanent pastures have resumed growth. It may be pastured during winter when the weather or condition of soil will permit.

After it begins to joint in spring it has little value as green pasture. It may be permitted to seed and be harvested as a grain crop or it may be plowed under and the land seeded to rape, Sudan grass, or spring cultivated crops.

Rye will carry 15 to 20 hogs to the acre. It should be pastured heavily because its period of usefulness is short both in fall and spring. Ripe rye pastured an average of 50 days during a period of five years at the Missouri Experiment Station produced more than 200 pounds of pork to the acre.

**How Hogs Use Bluegrass**

Bluegrass supplies one of the earliest and latest pasture crops. In sections where it grows it forms the principal forage for swine and other crops usually supplement it. During the dry weather of summer it is dormant and furnishes very little feed. For this reason temporary or annual pasture crops should be supplied on farms where bluegrass is the permanent pasture.

Sweet clover or alfalfa may be used to supplement the bluegrass or rape, Sudan grass, cane, soybeans, or cowpeas may be planted. Bluegrass will carry 10 to 15 head of hogs to the acre during the growing season. It will make 200 to 400 pounds of pork to the acre, according to the season.

**Cash From Cowpeas**

Because cowpeas are difficult to harvest and cure without damage they are not generally grown. They are one of the best soil improvement crops and if hogs are available may be harvested by them. They will carry about 12 head to the acre for a month or more and have been credited with producing approximately 200 pounds of pork to the acre. This at 6 cents a pound would be worth \$12 in direct returns in addition to the fertilizing value.

**Hogs in the Wheat Field**

Wheat may furnish grazing for hogs in fall, winter and early spring if its growth and the condition of soil will permit. G. M. Shepherd, a Rice county Duroc breeder, lets his herd range the wheat fields continuously. He maintains that the trampling of their feet is beneficial in that it prevents heaving in winter, and the manure distributed direct to the soil overcomes any damage they may cause by grazing.

His hogs are allowed to run in the wheat until harvest time and are turned back into the field after the wheat is removed to salvage shattered grain.

**They Use Small Grains**

Small grains seeded in spring may be used effectively for swine pastures. A. Yale of Gove county, seeds winter wheat, oats and barley to provide early grazing and then sows cane on the same land for late pasture. F. E. and R. E. Bunham of Wakeeney, raises barley for fattening hogs. The growing crop also supplies some spring and early summer pasture.

**Business and Markets**

(Continued from Page 22)

ing of Canadian wheat for shipment to Europe. The market closed strong, 1 cent to 1 1/2 cents net higher, with May wheat at \$1.03 1/4 to \$1.03 3/4 and July wheat at \$1.04 1/4 to \$1.04 1/2. Corn finished at a shade lower to 1/2 cent gain, oats 1/4 to 1/2 cent up, and provisions varying from unchanged figures to a raise of 5 cents.

The following quotations on grain futures are reported at Kansas City this week:

May wheat, 97c; July wheat, 97c;

September wheat, 97 1/2c; May corn, 74 1/2c; July corn, 75 1/2c; September corn, 75 1/2c; May oats, 45 1/2c; July oats, 44 1/2c; May rye, Chicago basis, 66 1/2c; July rye, Chicago basis, 67 1/2c.

The cotton market this week showed declines at New York at the week end as compared with the market on Tuesday and Wednesday but closed from 3 to 13 points higher than the previous week. Final quotations were as follows:

May cotton, 30.38c; July cotton, 29.16c; October cotton, 25.60c; December cotton, 25.10c; January cotton, 24.78c; spot middling cotton, 30.65c.

**Invest Safely and Profitably**

In these days when every dollar counts and when so many "investment" schemes are directed at the farmer, the problem of investing surplus funds is really important. I believe that I have solved that problem for the readers of Kansas Farmer and Mail & Breeze. This investment is backed by 28 years of success in a business which has grown to be one of the strongest concerns in the Midwest, and in fact, the largest business of its kind in the world. Further conservative expansion and additional equipment are the motives for obtaining additional capital at this time. Amounts of \$100 or more are solicited. The rate of interest is 7 per cent payable semi-annually with the privilege of withdrawing any or all of the investment at any time upon 30 days' no-

tie. I can unqualifiedly recommend this investment and believe it as safe as a government bond. A letter to me will bring you promptly further information. Arthur Capper, Topeka, Kan.

The only good gopher is a dead one. Get poison oats at Kansas State Agricultural College or from the farm bureau, and kill the gophers as soon as possible.

**Money To Loan**  
On  
**Kansas Improved Farms**  
**6%**  
**NO COMMISSION**  
Amortization Plan.  
Write for explanation and Application Blank.  
**The Wichita Joint Stock Land Bank**  
Wichita, Kansas

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Cheap to Install. Free from Trouble.  
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Write today for prices. Good territory open for live agents.  
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1404 Long Bldg., KANSAS CITY, MO.

**Your Oil and Grease FREE**  
and \$250 a Month  
I want to send one man in each locality a splendid leather sample case with one dozen sample bottles of oil and grease; and to make him an offer that should easily pay \$250 a month. No capital, no experience required. Hundreds making big money. Write for full information today.  
**RED SEAL OIL CO., Dept. D,**  
6th & Oakland Kansas City, Kan.

**8 HAME STRAPS \$1.00**  
SPECIAL OFFER: Eight 1 in. by 21 in. EXTRA HEAVY OAK LEATHER HAME STRAPS with FLEXIBLE LOOP, ROLLER BUCKLE. Mail \$1.00 and eight cents for postage with your order. Satisfaction GUARANTEED or your money BACK. Mail order today.  
Walter E. Berger Mero. Co., Atchison, Kansas

**HUBER'S QUALITY PURE BRED CHICKS**  
Our 12<sup>th</sup> Year 300,000 for 1923  
Huber's Quality Chicks, Pure Bred from selected healthy stock. Leghorns, Rocks, Rhode Island Reds, Orpingtons, Wyandottes. Postage paid. Live arrival guaranteed. Big illustrated catalog free.  
**HUBER'S RELIABLE HATCHERY, Dept. A, Hiawatha, Kansas.**

# "Start to Finish"

Used and Endorsed By Over 200,000 Successful Poultry Raisers



Makes a 2-pound Fry in Eight Weeks

Do you feed just to keep chicks alive or FOR PROFIT? Oscar Hoffman, professional and show winner, feeds nothing but "START TO FINISH" and made a net profit of \$49.75 in sixty days on \$6.25 invested. From half pound baby chicks to lusty 7 pound cockerel you need feed nothing else; no change in ration, no experimenting. Chicks grow quickly; put on weight and instead of losing 50% of every hatch you can do like Mrs. Lake and SAVE EVERY ONE OUT OF 2,500 raised on



APR 10 1924

## "START TO FINISH" Buttermilk Chick Feed

STARTS—GROWS—MATURES



Makes a 2 pound fry in eight weeks. Helps prevent white diarrhea. Starts pullets laying 6 weeks earlier. No other feed needed. Contains 10 vital ingredients, BONE, ASH, PROTEIN, CHARCOAL, SALT, MEALS and SHORT, BUTTERMILK, IRON, LAXATIVE and GRIT. Acknowledged to be the PERFECT ration and most ECONOMICAL. No more fuss, no more worry. 25 POUNDS FEEDS 25 CHICKS 5 WEEKS. Ask your dealer for 25 pound bag. Also sold in 50 and 100 pound bags.

Have 2,500 chicks raised on "START TO FINISH" and have not lost a single one from sickness.—Mrs. Lake, Lees Summit, Mo.

**SOUTHARD FEED AND MILLING CO.**  
Kansas City, Kansas



**FREE**

Simply send name today for eighty page free book. 96 pictures, 1,000 Poultry Secrets. Tells how other people make big money in poultry. Tells how to SAVE ALL YOUR BABY CHICKS. Dealers write for free sample "START TO FINISH" FEED.

**DEALERS WRITE FOR FREE SAMPLE "START TO FINISH" FEED**



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We believe that every advertisement in this department is reliable and exercise the utmost care in accepting classified advertising. However, as practically everything advertised in this department has no fixed market value, and opinions as to worth vary, we cannot guarantee satisfaction. We cannot guarantee eggs to reach the buyer unbroken or to hatch, or that fowls or baby chicks will reach the destination alive. We will use our offices in attempting to adjust honest disputes between buyers and sellers, but will not attempt to settle minor disputes or bickerings in which the parties have vilified each other before appealing to us.

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**AGENTS WANTED**

CASH FOR NAMES OF MEN IN YOUR locality using certain machines. A. V. Small, Augusta, Kan.

**RUMMAGE SALES MAKE \$50.00 DAILY.**

We start you. Representatives wanted everywhere. Wholesale Distributors, Dept. 101, 609 Division Street, Chicago.

**WOODROW WILSON'S LIFE BY JOSEPH DANIELS** going like hot cakes. Send for free outfit. Book written here. Jenkins Pub. Co., Washington, D. C.

**GOLD MINE FOR SALESMEN.** NEW invention, a complete outfit. Washes and dries windows, sweeps, scrubs, mops, etc. Costs less than brooms. Over 100% profit. Greatest year round seller. Write Harper Brush Works, 170 2nd Street, Fairfield, Ia.

**FARMER AGENTS WANTED—TO MAKE big money** selling reliable auto replacement batteries and farm electric lighting plants to your friends and neighbors. Also radio sets complete. Exclusive territory if you write today. Service Station Corporation, 501-B Industrial Bank Building, Flint, Mich.

**BIG MONEY—EASY SALES. AGENTS** wanted. New and necessary device for pulling automobiles out of the mud. Sells to all motorists everywhere. Simple. Folds compactly under seat. Big profits and value, no competition, protected territory and excellent proposition. Choice territory still open. Write today without obligation. E. B. Thomas Co., Dept. 2, 717 Sycamore St., Cincinnati, Ohio.

**MALE HELP WANTED**

**MEN—AGE 18-40, WANTING RAILWAY** Station office positions \$115-\$250 month. Free transportation, experience unnecessary. Write Baker, Supt. 83, Wainwright, St. Louis.

**FARM HELP WANTED**

**EXPERIENCED MARRIED MAN WITH** small family on stock and grain farm, \$55 per month. No loafer or boozier wanted. Give age, experience and references. Norman Gross, Russell, Kan.

**EDUCATIONAL**

**RAILWAY POSTAL CLERKS NEEDED.** Examination everywhere May 3. Particulars free. Write Mokane, A-1, Denver.

**\$1600-\$2300 YEAR. RAILWAY MAIL** Clerk examinations everywhere May 3. Sample questions free. Write immediately. Franklin Institute, Dept. K15, Rochester, N. Y.

**BUSINESS OPPORTUNITIES**

**\$61.21 DAILY AVERAGE WAS EARNED** by Johnson, a student, during vacation. In a week Engelson, a farmer, sold \$1718.25, Ennis \$1876.85 and Clavier 2019.60. The oldest, largest and best equipped woolen mills in the Northwest selling direct to consumer offers you a like opportunity. \$75.00 required. Fergus Falls Woolen Mills Co., Fergus Falls, Minnesota.

**HONEY FOR SALE**

**THE BEST HONEY, VERY FINEST** quality, light color; 16 pound can, postpaid \$1.46. C. O. D. if desired. Satisfaction guaranteed. Colorado Honey Producers' Association, Denver, Colo.

**AUTO SUPPLIES**

**AUTO PARTS, NEW AND USED. ALL** care. Lowest prices. Shipped on approval. Used Auto Parts Store, Fort Scott, Kan.

**KODAK FINISHING**

**FILM ROLLS DEVELOPED FREE. TRIAL** order. Send 25c for 6 beautiful Glossitone prints or reprints. Fast service. Day Night Studio, Sedalia, Mo.

**BEE SUPPLIES**

**BEE SUPPLIES OF BEST QUALITY.** Write for catalog. We save you money. The Colorado Honey Producers' Association, Denver, Colo.

**SERVICES OFFERED**

**PLEATING, ALL KINDS, HEMSTITCHING.** First class work, prompt service. Mrs. M. J. Mercer, 800 Topeka Blvd., Topeka, Kan.

**NIGHT GOWNS: GOOD QUALITY, HEM-** stitched, white or fast color, hand embroidered, \$2. State size. Juleson, 132 Main St., Ottawa, Kan.

**ROOM AND BOARD WANTED**

**YOUNG MAN DESIRES ROOM AND** board with private genial family on farm or ranch in Colorado or Kansas. Could give lessons in elementary or advanced English or do light work. No objection to children. M. Shoenfield, 520 East 6th, Topeka, Kan.

**MOTOR OILS AND SUPPLIES**

**YOU CAN SAVE MONEY ON MOTOR AND** tractor oils. Write for prepaid prices. A. V. Small, Augusta, Kan.

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**EXCELSIOR ALFALFA DRILL, \$37.50.** John Stanley, Dighton, Kan.

**FOR SALE: 24 INCH NEW RACINE SEPAR-** ator. Harve Leiss, Route 2, St. John, Kan.

**FOR SALE: TWIN CITY TRACTOR 40-65,** Avery separator 32-56. Carl Bass, Baker, Kan.

**STEERING DEVICE FOR 30-60 AULT-** man-Taylor, \$50. C. R. Long, McDonald, Kan.

**FOR SALE, 20-40 AND 16-30 RUMELY** Tractors. Stratton & Curry, Emporia, Kan.

**FOR SALE: 12-20 HEIDER TRACTOR, 3** bottom plow, new, \$800. Box 321, Concordia, Kan.

**AVERY HEADER THRESHER, REBUILT,** never run. One thousand. Homer Black, Fellsburg, Kan.

**FOR SALE: INTERNATIONAL 15-30 TRAC-** tor, 4 bottom Grand Detour plow. Chas. Best, Studley, Kan.

**35-70 MINNEAPOLIS TRACTOR, 8 BOT-** tom Avery self lift plow, 36-60 Rumely separator. George Kuchar, Caldwell, Kan.

**TWO 36x58 CASE, ONE 36x56 MINNEAP-** olis, two Peerless 20 H. P., one outfit same as new. H. O. Fleischer, Ingalls, Kan.

**THRESHERMEN: FOR MORE PROFIT** and less expense use Humane Extension Feeders. Belts sold, exchanged, spliced, repaired. Richardson Mfg. Co., Cawker, Kan.

**NEARLY NEW MINNEAPOLIS TRESH-** ing outfit, 32x56 separator and steam engine, at Midway, Ellsworth county, Kan., for sale or trade. Ignatius Miller, Owner, Route 7, Garnett, Kan.

**MAKE FARMING EASIER. USE A GAR-** den tractor. Simple, economical, durable. Do your cultivating cheaper and better than hand or horse tools. \$150 to \$250 E. Gauthier, 3430 East Seventh St., Kansas City, Mo.

**MACHINERY—NEW AND USED. 18 AD-** vance, 14 Gelsner, 25 Gelsner, 24 Minneapolis, 25 Reeves. Tractors: 15-27 Case, 10-18 Case, 40-80 Avery, 40-60 Twin City. New Government Holt at nearly half price. 10 bottom Oliver plow. Separators: 36-inch Rumely, 27-inch Russell, 33-inch Frink. 10-foot road grader. Rock crusher and stone pulverizer. Will Hey, Baldwin, Kan.

**TYPEWRITERS**

**TYPEWRITERS SOLD ON PAYMENTS.** Free trial. Payne Company, Rosedale, Kan.

**TYPEWRITERS. TRIAL; PAYMENTS;** guaranteed. Write Yotz Typewriter Co., Shawnee, Kan.

**TOBACCO**

**TOBACCO—FINE YELLOW MAMMOTH** chewing, 10 lbs., \$3. Smoking, 10 lbs., \$2; 20 lbs., \$3.75. Farmers' Club, Mayfield, Ky.

**TOBACCO—DANDY SMOKING LEAF** scraps, 10 lbs. \$1. Pay for tobacco and postage when received. Farmers' Grange, Hawesville, Ky.

**NATURAL LEAF TOBACCO, CHEWING,** 5 lbs. \$1.25; 10 lbs. \$2.50. Smoking, 5 lbs. \$1.00, 10 lbs. \$1.75. Hickory Ridge Farms, Mayfield, Ky.

**HOMESPUN TOBACCO, QUALITY GUAR-** anteed. Smoking, 10 pounds, \$1.25; 20 pounds, \$2. Pipe and recipe free. Chewing, 10 pounds \$2.50. Kentucky Tobacco Growers, Sedalia, Kentucky.

**HOMESPUN TOBACCO, FIVE POUNDS** chewing, \$1.75; ten \$3; twenty \$5.25. Smoking, five pounds \$1.25; ten \$2; twenty \$3.50. Pipe and recipe free. Send no money. Pay when received. Kentucky Tobacco Co., Paducah, Ky.

**NATURAL LEAF TOBACCO, 3 YEARS** old, extra fine; 10 pounds chewing, \$3; 10 pounds finest smoking, \$2. 10 pounds good smoking, \$1. Pay for tobacco and postage when received. Hancock Pool, Hawesville, Kentucky.

**SEEDS—PLANTS—NURSERY STOCK**

**DODGE'S FAMOUS RIO GRANDE VAL-** ley Crystal Wax Bermuda onion plants are open field grown from the best imported seed. Fine large plants, 1000, \$1.75, prepaid. Satisfaction guaranteed. Dodge Plant Farms, Raymondville, Texas.

**SEEDS—PLANTS—NURSERY STOCK**

**RECLEANED SUDAN, 10c POUND. JOHN** Linke, Geneseo, Kan.

**BROOM CORN SEED \$5 PER CWT. F. A.** Lonner, Dighton, Kan.

**SUMAC CANE SEED, \$1.50 PER BUSHEL.** Jos. B. Klenke, Bellefont, Kan.

**REID'S SEED CORN, 80 BU. ACRE 1923,** \$2.50 bu. James Wittze, Rulo, Neb.

**WHITE SWEET CLOVER, FARMER'S** prices. Information. John Lewis, Virgil, Kan.

**SIBERIAN MILLET, NO WEEDS, \$1.70** per hundred, sacked. Glen Paris, Dighton, Kan.

**RECLEANED SUDAN 10c, KAFIR 2 1/2c,** Orange cane 3c. Carl Cory, Little River, Kan.

**SOY BEANS—COLUMBIAN, \$2.75 PER** bushel. Cornelius Churches, Humboldt, Kan.

**SWEET POTATO PLANTS, 16 VARIETIES.** Write for prices. Johnson Bros., Wamego, Kan.

**WANTED: SWEET CLOVER, LARGE OR** small lots. Cash in advance. Box 42, Hilltop, Kan.

**RECLEANED SUDAN SEED 8 CENTS PER** pound, sacks extra. John Slingsby, Clay Center, Kan.

**FOR SALE: CARLOAD EXTRA GOOD** Sumac Cane seed, \$1 bushel. Guy Duvall, Bunkerhill, Kan.

**PROGRESSIVE EVERBEARING STRAW-** berries, \$1 per hundred. John Downie, Grantville, Kan.

**RECLEANED SUDAN SEED \$10 PER** cwt. Freight prepaid. W. H. Dannenberg, Gaylord, Kan.

**MELON SEED; PURE IRISH GRAY,** fifty-five cents pound, postpaid. P. L. Brooks, Clyde, Kan.

**RECLEANED SUDAN 9c, TEST 90% GER-** mination. Millet \$1.25 per bushel. Geo. Kuntz, Hanover, Kan.

**KANSAS ORANGE CANE \$2.50 BUSHEL.** Cleaned, certified, sacked. F.O.B. Wright Turner, Waterville, Kan.

**ALFALFA, WHITE SWEET CLOVER, RE-** cleaned, \$9 bushel, sacks 45c. Robert Snodgrass, Augusta, Kan.

**BLACK AMBER CANE, DWARF BROOM** corn seed. Clean, sacked, \$3 cwt. here. Gael Beughe, Orion, Kan.

**GENUINE WATSON AND WONDER MEL-** on seed, 50 cents per pound prepaid. D. S. Reiff, Garden City, Kan.

**SUDAN GRASS SEED, CERTIFIED ONE** hundred per cent pure. Priced to sell. C. M. Piper, Garden City, Kan.

**SEED CORN, PURITY AND GERMINA-** tion certified. Prices reasonable. Laptad Stock Farm, Lawrence, Kan.

**FINE QUALITY ALFALFA SEED, THE** kind I will sow. Samples. Col. Warren Russell, grower, Winfield, Kan.

**RECLEANED AND BLACK HULL WHITE** Kafir seed \$1.25 per bushel. Sacks furnished. David Trine, Alton, Kan.

**RED TOP CANE SEED, \$1.00 BUSHEL.** Grown from hand picked seed. Sacks extra. E. C. Wickham, Oberlin, Kan.

**CERTIFIED BLACKHULL KAFIR SEED,** 3 1/2 c per lb. for 100 lbs. or less; 3c over 100 lbs. Fred Schwab, Keats, Kan.

**RECLEANED SUDAN \$10 HUNDRED.** University Yellow Seed Corn \$1.50 bushel. Francis Prochisch, Westmoreland, Kan.

**PRIDE OF SALINE AND FREED WHITE** Dent corn \$2.50 per bushel. All seed certified. Bruce S. Wilson, Keats, Kan.

**BEAUTIFUL CANNA AND DAHLIA** bulbs, straight colors, \$1.00 dozen, prepaid. Grandview Farm, Grantville, Kan.

**FOR SALE, EXTRA FINE SUDAN SEED.** Assaria Hardware Co., Assaria, Kansas.

**KANSAS ORANGE CANE, CERTIFIED** pure seed, good germination. Write for samples and prices. Stants Bros., Abilene, Kan.

**RED AMBER SORGHUM SEED, 92%** germination test by Agricultural College. \$1 per bushel. F. A. Lord, Dodge City, Kan.

**NON-SUCKERING CORN, NEW WHITE** Cane. Dwarf Peteria (54 inches). Originator and breeder. I. N. Farr, Stockton, Kan.

**STRAWBERRY PLANTS 50c-100, BLACK** Raspberry 80c-100, Red Raspberry \$2-100. E. W. Mendenhall, Route 5, Box 22, Topeka, Kan.

**WATERMELON SEED, GENUINE IRISH** Grey, Halbert Honey, Watson, Kleckleys, 75c lb., two \$1.25, postpaid. Tucker Bros., Byron, Okla.

**FOR SALE: CERTIFIED STANDARD** Black Hull Kafir seed, germination test 95%, \$2.00 per bushel. H. H. Kirchner, Osage City, Kan.

**PLANTS: FLOWER, VEGETABLE, VINE** and bulb plants. Cannas, roses, shrubs, perennials, etc. Delivered prepaid prices. Send for catalog. Weaver Gardens, Wichita, Kan.

**150 DUNLAP STRAWBERRY PLANTS \$1;** 100 Aroma strawberry plants \$1; 100 paragon plants \$1; 20 rhubarb plants \$1, by mail prepaid. Albert R. Fine, Lawrence, Kan., Route 6.

**MILLIONS, FROST PROOF CABBAGE** plants \$1, 1000; tomato plants \$1, 1000; 500-75c. Leading varieties, prompt shipment. Catalog free. Clark Plant Co., Thomasville, Ga.

**MADEIRA VINE, HOLLYHOXS, 25c** dozen. Canna mixed, Dahlias mixed, 60c dozen. Rhubarb 75c dozen. Postpaid. Bulbs and plant prices free. John Patzel, 501 Paramore, North Topeka, Kan.

**STRAWBERRY BED \$1; FINEST QUAL-** ity Senator Dunlap plants; produce big crops set alone; very hardy (certified) and state inspected. 200-\$1; 500-\$2; 1000-\$3.50, postpaid. H. Thale, Durham, Mo.

**SWEET POTATO PLANTS, DELIVERED** prepaid. Ready now. Orders filled day received. Jerseys, Halls, Ports, 200 \$1.00; 1000 \$4.50; Black Spanish, Southern Queen 65 \$1.00. Weaver Gardens, Wichita, Kan.

**SEEDS—PLANTS—NURSERY STOCK**

**SEED POP CORN, GOLDEN QUEEN,** pound 25c postpaid. Earl Blindley, Cimarron, Kan.

**PURE KANSAS ORANGE CANE, RE-** cleaned, sacked, \$1.50 bushel. G. F. Friesen, Cottonwood Grove Farm, Hillsboro, Kan.

**CERTIFIED SEED CORN, KAFIR, MILO,** Sorgos, Sudan grass, Soybeans and other seeds for sale. High germination and purity. For list of growers write the Kansas Crop Improvement Association, Manhattan, Kan.

**PLANTS: NANCY HALL, YELLOW JER-** sey Sweet Potatoes, 40c hundred, \$3.50 thousand. Cabbage, Tomatoes, 50c hundred, \$4 thousand. Egg plant, Pepper, 65c hundred, 10c dozen. H. T. Jackson, North Topeka, Kan.

**APPLE TREES, WINESAP, DELICIOUS,** Gano, Ben Davis, Champion, 3 ft. high, 25 for \$3.50 or \$12 per hundred, prepaid. Choose varieties wanted. Literature free. Greenland Nursery, Greenland, Ark.

**STRAWBERRY PLANTS (CERTIFIED)** Klondyke and Senator Dunlap; 200-\$1; 500-\$2; 1000-\$3.50. Progressive Ever-bearing \$1-100. All postpaid. Directions for growing and price list free. Ideal Fruit Farm, Stillwell, Okla.

**HARDY FIELD GROWN—PERENNIALS,** bulbs, roses, shrubbery, vines, peonies, iris, hedging. Strawberry, flower, garden, vegetable plants. Asparagus, rhubarb, roots. Delivered prepaid. Send for catalog. Weaver Gardens, Wichita, Kan.

**ALFALFA-SWEET CLOVER, RECLEANED,** Kansas non-irrigated alfalfa seed, 19, 21 and 22 1/2c; White Bloom Sweet clover, 14c, scarified 16 1/2c per pound our track. Seamless bags 50c. Samples on request. Buy now and save money. The L. C. Adam Merc. Co., Cedar Vale, Kan.

**FANCY SHELED SEED CORN, HAND** picked, tipped and butted. Perfect test K. S. A. C. Raised in Kaw Valley. Boone County White, Imperial White and Reid's Yellow Dent. Sacked \$1.75 bushel, or \$17 ten bushel lots. 15 years in seed business here. Wamego Seed & Elevator Co., Wamego, Kan.

**SCARBOUGH DWARF BROOM CORN** seed \$4; Spanish Standard \$3; Amber, Orange and Sourless \$1.75; Red Top \$2.25; White and Red Kafir \$2; Red Crook Neck, White and Red straight neck Milo, Darso, Feterita, Hegari, all \$2.50; Wonder Millet \$4; Sudan \$9, all per 100 lbs. Claycomb Seed Store, Guymon, Okla.

**PURE PEDIGREED HOME ILLINOIS** farm grown Government endorsed Broom Corn seed, all varieties, Standard Dwarf. Wholesale retail seedsmen's discount granted growers or clubs in quantities. Write Fanning Broom Corn Seed Co., America's largest direct to growers seedsmen. Entire main floor Fanning Block, Oakland, Ill.

**QUALITY TREES AND PURE SEEDS FOR** spring planting; marked reductions in fruit trees and small fruits for year 1924; selling direct to you at wholesale prices; offering free premiums; select seeds at low prices. Send today for our free catalogs and price lists containing valuable information. Wichita Nurseries and Seed House, Box B, Wichita, Kan.

**SEEDS AND SEED CORN, CRIB CORN** won't grow this year. Ours early picked, heat dried, high germination. My Improved Reid's outyielded Iowa's and Missouri's champion yielders—America's best. I handle all kinds corn, field seeds, and nursery stock. Buy direct from farmer—get the best cheapest. Catalog free. Ross Salmon, Box 11, McFall, Mo.

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Leghorn—Eggs

PURE STRAIN S. C. BUFF LEGHORNS. Winners, layers. Eggs postpaid 115-55; 240-110. Mrs. Jas. Dignan, Kelly, Kan. S. C. LIGHT BROWN LEGHORN EGGS for hatching from carefully culled flock, \$5 hundred, postpaid. Mrs. Cyrus Hughes, Peck, Kan. ROSE COMB WHITE LEGHORN EGGS \$4 hundred. Heavy laying strain and prize winning stock. Mrs. Geo. A. Heymann, Burns, Kan. SINGLE COMB BUFF LEGHORN EGGS, \$4.50 per 100. From prize winning stock, real winter layers. Mrs. Ernest A. Reed, Lyons, Kan. EGGS \$4 HUNDRED; CHICKS 15c. TANCRED cockerels heading flock. Bred for high egg production. Henry W. Adam, Wakefield, Kan. PURE BRED BRIGHT GOLDEN, WINTER laying, Single Comb Buff Leghorns. Eggs hundred \$4.50, setting 90c. Edwin Shearer, Frankfort, Kan. S. C. BUFF LEGHORNS, PURE GOLDEN Buff, heavy laying strain. Eggs, hundred \$5, fifty \$3, fifteen \$1. Mrs. S. C. Whitcraft, Route 3, Holton, Kan. STANDARD S. C. BUFF LEGHORN hatching eggs \$5 hundred, pen \$1.50 per setting. Satisfaction guaranteed. Mrs. Henry Chard, Lincoln, Kan. TANCRED WHITE LEGHORNS. SEVEN years mating to Tancered males. 90% fertility guaranteed. 100 eggs \$5. Wm. J. Farley, Independence, Kan. PURE BRED S. C. WHITE LEGHORN eggs. Hollywood American strains of high egg production. \$4 per hundred, postpaid. Jno. A. Kepler, Altoona, Kan. SINGLE COMB DARK BROWN LEGHORNS. Everlay strain direct; eggs \$5.50 hundred, postpaid; winning pens, \$3.50 setting. Mrs. Harvey Crabb, Bucklin, Kan. IF YOU WANT GOOD WINTER LAYERS buy Johnson's Rose Comb Buff Leghorn eggs at \$6 per 100. From a big healthy range flock. R. F. Johnson, Dunlap, Kan. PURE BRED SINGLE COMB WHITE LEGHORNS, only \$5 hundred. Infertile eggs replaced at half price if returned 10 days after incubation. Anna Hutley, Maplehill, Kan. BARRON'S LARGE TYPE SINGLE COMB White Leghorn eggs from imported trapped stock, 300 egg line; \$1.00-15, \$5.00-100. Mrs. Frank Smith, Route 2, Lawrence, Kan. LARGE PURE BRED S. C. WHITE LEGHORNS, mated to Hollywood 250-300 egg bred pedigree and trapped stock, \$5-108 postpaid. Myrtle Takemire, 2517 Lincoln, Topeka, Kan. BARRON'S ENGLISH SINGLE COMB White Leghorns, 272-324 egg records, 100 eggs \$4.50. Also pen eggs. Fertility guaranteed. Circular free. Henry Wegman, Jr., Route 4, Sabetha, Kan. LARGE ENGLISH BARRON SINGLE Comb White Leghorn 287-303 egg strain, hens mated to cockerels from trapped stock winning stock. \$5.00-100 eggs postpaid. Ray Fulmer, Wamego, Kan. PURE TANCRED SINGLE COMB WHITE Leghorn hatching eggs. Imperial mating ancestors, 100-35, 500-225.00, 1000-140. Satisfaction guaranteed. Baby chicks 12c. Harry Lee, Route 5, Fort Scott, Kan. SINGLE COMB BUFF LEGHORN CERTIFIED eggs. Ten ranked 4th at end of 11 months in National egg-laying contest last year. All varieties competing. \$6.50 and \$10 hundred postpaid. Dear's Poultry Farm, Rivardale, Kan. KOCH'S SINGLE COMB DARK AND Light Brown Leghorns, bred by me for 19 years. Eggs from dark mated pens for show and high egg production, \$5 and \$3 fifteen. Light pen \$2 fifteen. From dark free range flock \$6 hundred. Baby chicks \$14 hundred. G. F. Koch, Jr., Ellinwood, Kan. YOUNG STRAIN S. C. WHITE LEGHORNS, the large kind, carrying full blood lines of world's official champion egg laying hens. Flock specially selected for size, type, winter laying egg qualities, and high egg capacity. 200 hens averaged 140 eggs daily through January. Mated with heavyweight, extra high rated egg type cockerels. Eggs \$4 hundred. Fertility guaranteed. John Little, Concordia, Kan.

Langshans

PURE BRED WHITE LANGSHAN EGGS, chicks, pens. Postpaid. Guaranteed. Sarah Greisel, Altoona, Kan. WHITE LANGSHANS, PULLETS, HENS, chicks, eggs. First pen \$9.50; second \$7.50; range \$5.00. Delivered. Lee Kepler, Altoona, Kan. PURE BRED BLACK LANGSHANS, EGG tested, stock \$1.50 to \$3. Eggs, prepaid, fifteen \$1.50, hundred \$6.00. Chix 15c. Bertha King, Solomon, Kan. Langshan—Eggs WHITE LANGSHAN EGGS, \$5 PER HUNDRED. Wm. Wischmeier, Mayetta, Kan. WHITE LANGSHAN EGGS \$1 SETTING, \$5 hundred. R. H. McMasters, Eskridge, Kan. PURE BLACK LANGSHAN EGGS, 100-35; 50-33; 15-\$1.25. C. Wilfred Moon, Pratt, Kan. PURE BRED BLACK LANGSHAN EGGS \$5 hundred. Chicks \$14. F. Jenkins, Jewell, Kan. PURE BRED WHITE LANGSHAN EGGS, extra good layers. \$5 hundred. Hugo Fleischhans, Linwood, Kan. PURE BRED WHITE LANGSHAN EGGS, fifteen \$1.50, hundred \$6.00. Elizabeth Koehn, Halstead, Kan. PURE BRED WHITE LANGSHAN EGGS, \$5 hundred. Chicks \$15 hundred. Shipping point Garden City. J. W. Dimitt, Plymouth, Kan.

Minorca—Eggs

WHITE MINORCA EGGS, \$7-100. SUSIE Johnson, Isabella, Okla. BUFF MINORCA EGGS FOR HATCHING. Mrs. Hannah Shipley, Eskridge, Kan. JOINT STRAIN WHITE MINORCA EGGS \$5 hundred. E. Farnsworth, Burlingame, Kan. SINGLE COMB WHITE MINORCA EGGS, \$8.00 per hundred. Elmer Hershberger, Newton, Kan. SINGLE COMB BLACK MINORCA EGGS \$5 hundred. Cullied, postpaid. Wm. Thornton, Clay Center, Kan.

MINORCAS

EGGS AND CHICKS FROM PRIZE WINNING Buff Minorcas. C. M. Gerth, Lane, Kan. BLACK, WHITE, BUFF MINORCAS. Chicks and eggs. Claude Hamilton, Garnett, Kan. WHITE MINORCAS, BOTH COMBS. EGGS \$2 fifteen. Baby chicks. Jonathan Schmidt, Rich Hill, Mo. GAMBLE'S MAMMOTH SINGLE COMB White Minorcas. Eggs. Baby Chicks. Mrs. C. Gamble, Barletoe, Kan. PURE LARGE TYPE SINGLE COMB Black Minorca eggs, 100-35. Chicks \$15 prepaid. Herbert Rhodes, Clifton, Kan.

ORPINGTONS

S. C. BUFF ORPINGTON EGGS \$6 HUNDRED; chicks 15 cents. Winter layers, good color. Cockerels from Kaufman prize winners. Mrs. E. J. Stafford, Marion, Kan.

Orpington—Eggs

S. C. BUFF ORPINGTON EGGS, 5 CENTS each. Dean Meeker, Summerfield, Kan. PURE BUFF ORPINGTON EGGS \$6 HUNDRED. Winter layers. Floyd Faw, Newton, Kan. WHITE ORPINGTON EGGS \$5 HUNDRED. Kellerstrass strain. Bessie Crocker, White City, Kan. SINGLE COMB BUFF ORPINGTON EGGS, \$4 hundred. Pleasantview Farm, Little River, Kan. SINGLE COMB BUFF ORPINGTON EGGS \$4 hundred postpaid. Fleda Jenkins, Jewell, Kan. PURE BRED SINGLE COMB BUFF ORPINGTON 100-34. Mrs. Vernon Nichols, Mankato, Kan. BUFF ORPINGTON EGGS, THREE, FIVE and ten dollars per setting. J. A. Kaufman, Abilene, Kan. WHITE ORPINGTON EGGS. KELLERSTRASS strain, \$5.00 hundred. Mrs. Geo. Sanford, Wilsey, Kan. BUFF ORPINGTON EGGS, EXTRA LARGE birds, \$1.50 fifteen, \$5 hundred. Walter Brown, Perry, Kan. PURE BRED HOGAN TESTED S. C. BUFF Orpington eggs, 5c each, \$4.50 hundred. Mrs. Jas. Arnold, Bolcourt, Kan. PURE BRED SINGLE COMB BUFF ORPINGTON eggs 100-35.50; 50-33, prepaid. Mrs. George McAdam, Holton, Kan. CRYSTAL WHITE ORPINGTON EGGS. Better than ever. Kellerstrass, \$5 hundred. Gordon North, White City, Kan. CERTIFIED, GRADE A, S. C. BUFF ORPINGTON eggs, \$6 hundred, \$3.50 fifty, \$1.50 fifteen. Mrs. Orlie Shaffer, Waverly, Kan. BUFF ORPINGTON EGGS, CERTIFIED flock, Class B. Vigorous winter layers. 100-36, 15-\$1.25. Mrs. Robt. Cash, Ottawa, Kan. PURE BRED BUFF ORPINGTONS, CAREFULLY bred fourteen years. Eggs \$6.50 hundred, \$1.25 fifteen, prepaid. Olive Carter, Mankato, Kan. WHITE ORPINGTON EGGS FROM CONSISTENT winners at Southwest's best shows. List free. H. M. Goodrich, 1625 Topeka Avenue, Topeka, Kan. BYERS STRAIN ORPINGTON EGGS, TRUE type, even buff, heavy layers, \$6 hundred. Pens \$2. Postpaid. Baby chicks 15c and 30c each. Jno. Slentz, Chase, Kan. PRIZE WINNING SINGLE COMB BUFF Orpington eggs. Cook's No. 1 pen sires direct. Hoxanized Byer strain hens. Range birds, 15-\$1.50; 50-\$4.00; 100-\$7.50. Chicks 20 cents. Exhibition pen, 15-\$2.50; 50-\$7. Chicks 30 cents. All prepaid. Mrs. Will Suberly, Kanopolis, Kan.

PLYMOUTH ROCKS

WHITE ROCKS, FISHEL DIRECT. EGGS, baby chicks. Inquire Carl Keesling, Neodesha, Kan. THOMPSON'S RINGLET BARRED ROCK eggs \$6. Chicks \$15 hundred. Geo. Steele, Toronto, Kan. BUFF ROCKS, EGGS AND COCKERELS from prize winners. Mrs. Robt. Hall, Neodesha, Kan. PURE BUFF ROCK CHICKS \$15-100, \$8-50. Live arrival. Eggs \$3.50-50, \$6-100. Postpaid. Vivian Anderson, Oswego, Kan. WHITE ROCKS, EXTRA FINE LARGE birds, bred and culled for high winter egg production. \$5 hundred; chicks 15c. Mrs. S. F. Bryan, Route 7, Independence, Kan. 150 IMPERIAL RINGLET BARRED Plymouth Rock cockerels. Largest Rocks in Kansas. Exhibition stuff. Bred for size, beauty and egg production. Chicks and eggs from same stock. Write for prices. North Willow Poultry Ranch, Route 4, Coffeyville, Kan.

Plymouth Rock—Eggs

BUFF ROCKS \$5 HUNDRED. JOHN MELLENBRUCH, Morrill, Kan. WHITE ROCK EGGS, \$4 HUNDRED. W. T. Blackwill, Quinter, Kan. BARRED ARISTOCRATS, SPECIAL PENS, eggs \$3. M. Moss, Cheney, Kan. BARRED ROCK EGGS \$5 PER HUNDRED. Raymond Carlisle, Toronto, Kan. BUFF ROCK EGGS. GET MY PRICES. Circular. Emery Small, Wilson, Kan. PURE WHITE ROCK EGGS \$4 PER HUNDRED. John Hoover, Greenleaf, Kan. THOMPSON BARRED ROCK EGGS, \$5.50 hundred. Leonard Bonar, Vining, Kan. WHITE ROCK EGGS, FISHEL STRAIN, \$5.00-100. Mrs. Nellie Bird, Eudora, Kan. BUFF ROCK EGGS, THIRTY \$2.25, HUNDRED \$6. Mrs. Guy Nelson, Circleville, Kan. WHITE ROCKS, EGGS 100-35; CHICKS 15c. Mrs. John Hoornbeek, Winfield, Kan. BUFF ROCK EGGS \$4.00 HUNDRED. Cullied flock. Almarine Guttery, Alton, Kan. HEAVY PRODUCERS, BARRED ROCK eggs \$5-100, \$1-15. E. E. Kelfer, Lawrence, Kan. PARK'S BARRED ROCK EGGS, \$1.00 FIFTEEN, \$5.00 hundred. Mrs. E. K. Davis, Udall, Kan. WHITE ROCKS, WICHITA SHOW BLUE winners. \$5 hundred. Emma Curtis, Larned, Kan. RINGLET AND 300 EGG STRAIN BARRED Rock eggs \$7 hundred. A. G. Hammond, Vinland, Kan.

Plymouth Rock—Eggs

WHITE ROCK BABY CHICKS 15c; ALSO eggs. Certified Class A. H. L. White, Elk City, Kan. BARRED ROCKS. 93 PREMIUMS, EGGS, fifteen \$3, thirty \$5. Mattie A. Gillespie, Clay Center, Kan. BUFF ROCKS, TWENTY-SECOND YEAR. eggs \$6 hundred, \$3 fifty. Mrs. Homer Davis, Walton, Kan. WHITE ROCK EGGS, \$5.00 HUNDRED. Prize winning stock. Mrs. George Crawford, Muscotah, Kan. PURE BRED WHITE ROCK EGGS, STATE expert culled, \$6 hundred. Mrs. Verna Bowser, Abilene, Kan. IMPERIAL RINGLET BARRED ROCK eggs \$5 hundred, \$2 thirty. Catherine Beightel, Holton, Kan. BARRED ROCKS, THOMPSON STRAIN, good layers. Eggs \$4 hundred. H. E. Massel, Peabody, Kan. WHITE ROCK EGGS, COCKERELS WITH 200 egg record and over. \$4 hundred. D. Loewen, Hillsboro, Kan. WHITE ROCKS, FISHEL DIRECT, HEAVY layers, prize winners. Eggs, hundred, \$6. A. E. Basye, Coats, Kan. PURE WHITE ROCK EGGS FROM cullied flock, \$4 per hundred. Irvin Kreutziger, Marion, Kan. WHITE ROCKS, NONE BETTER. EGGS \$5 per hundred, postpaid. Bracken Fogle, Williamsburg, Kan. FISHEL STRAIN WHITE ROCKS, CERTIFIED A. Pen \$3, range \$6-100. Mrs. James McCreath, White City, Kan. THOMPSON BARRED ROCK EGGS FIFTY \$3, hundred \$5, postpaid. Henry Schlatter, 2114 Park, Topeka, Kan. PARK'S BARRED ROCKS, CERTIFIED. Pens \$2 setting; range \$5 per hundred. Will Young, Clearwater, Kan. KOZY KORNER FARM, BARRED ROCKS exclusively. High producing, \$5 hundred. C. M. Gilliland, Peabody, Kan. PARTRIDGE ROCK EGGS, CLOSELY cullied. Farm range. \$1.50 setting, \$6.50 hundred. Irma Ellison, Jefferson, Kan. 100 BUFF ROCK EGGS \$5.50, FIFTY \$3. 200 or more \$5 hundred. Baby chicks 15c. Mrs. Maggie E. Stevens, Humboldt, Kan. ARISTOCRAT BARRED ROCKS DIRECT. Eggs, fifty \$3; pens, fifteen \$3. Mating list. Mrs. T. E. Anderson, Kincaid, Kan. BARRED ROCK EGGS, LIGHT \$6 PER 100; Dark \$10 per 100. Special matings \$5 per 15. C. C. Lindamood, Walton, Kan. WHITE ROCKS, EGGS FROM HIGH PRODUCING trapped stock, \$2 per 15; \$5 per 45, postpaid. Thos. Owen, Route 7, Topeka, Kan. WHITE ROCKS, STATE CERTIFIED Class A. State, Tri-State blue winners. Eggs \$6 hundred. Frank Applebaugh, Cherryvale, Kan. WHITE ROCK EGGS, HUNDRED, \$5.00. Cullied flock. Chicks 12 cents, live delivery, prepaid. Mrs. Theodore Steffen, Broughton, Kan. EGGS 8c; HEALTHY CHICKS 20c. BLUE ribbon cockerels wherever shown. Heavy layers, barred to the skin. Barbara Daily, Waverly, Kan. PURE THOMPSON IMPERIAL NARROW Barred Rocks, large beauties; yard eggs 15, \$2. Fertility guaranteed. M. Fisher, Kimball, Kan. BUFF ROCK EGGS, PURE BRED FROM State and National winners, postpaid, 100-\$7, 50-\$4, 15-\$1.50. Mrs. C. N. Mason, Uniontown, Kan. BARRED ROCK RINGLET STRAIN EGGS, \$3 per hundred at farm, \$4 parcel post prepaid. Mrs. Ralph Helkes, Wakefield, Kan. Industry phone. THOMPSON STRAIN BARRED ROCKS. Large boned, vigorous and farm raised. Eggs 100-85, 50-33. Prepaid. Mrs. A. C. Mauzey, Cummings, Kan. THOMPSON'S PURE BRED RINGLETS. Winners. Layers. Eggs \$7 hundred, \$4 fifty, \$1.50 setting. Insured postpaid. Rees Lewis, Route 2, Lebo, Kan. MAMMOTH WHITE ROCKS; 280 to 301 egg strain, 50 eggs \$3.50; 100-\$6.50, prepaid. Satisfaction guaranteed. W. E. Philippi, Sabetha, Kan., Rt. 2. RINGLET BARRED ROCKS, 25 YEARS selective breeding. They weigh, they pay. Eggs \$1.25 per 15. \$6 per hundred. Mrs. Helen Romary, Olivet, Kan. PURE BARRED ROCK, SELECTED, heavy winter layers. Range. Eggs, fifteen \$1; fifty \$3; hundred \$5, postpaid. G. C. Dresher, Canton, Kan. BLUE RIBBON RINGLET ROCKS, THOMPSON strain, large narrow barred. Pen \$1.50 setting, 100-\$6, 50-\$3.50, prepaid. Mrs. F. R. Wycoff, Wilsey, Kan. PARK'S-HOLTERMAN BARRED ROCK eggs. State certified. Pedigreed males, 285 egg strain. Pens \$2.50-15; flock \$8-100. Ethel M. Brazelton, Troy, Kan. WHITE ROCK EGGS FROM STATE CERTIFIED flock graded A 1923 and 1924. 15-\$2.00, 50-\$4.00, 100-\$7.00. White Rock breeder 22 years. J. R. Applebaugh, Cherryvale, Kan. BARRED ROCKS, LARGE BONE, YELLOW legs, deep dark barring. Bradley heavy laying strain. 100 eggs \$6.25, postpaid, 50-\$3.50, 15-\$1.50. Mrs. Ira Emig, Abilene, Kan. EXCELLENT WHITE ROCKS, EXHIBITION, high producing, 200 egg strain hens again mated to cockerels with over 200 egg records. Eggs \$5.00-100. H. C. Loewen, Peabody, Kan. BARRED ROCKS, DARK BRADLEY strain. Special 15-45. Selected range 100-\$6.50, 15-\$1.50. Farm grown, vigorous, layers. Hens \$2.50. Postpaid. Mrs. J. B. Jones, Abilene, Kan. WHITE ROCKS, EXHIBITION TRAP-NESTED strain. Eggs \$6.50 hundred. Pens, pedigreed males, \$2.50-55 fifteen, \$6 fifty, prepaid. Stock for sale. Chas. Blackweider, Isabel, Kan. PURE BRED DARK BARRED ROCKS. State certified 1924. Aristocrat Ringlet strain. Eggs \$6 per hundred, \$3.50 per fifty, \$1.50 per setting. Mrs. Ira Ridenour, Emporia, Kan., Route 7. PURE BRED WHITE ROCKS, FISHEL strain, heavy laying stock, cullied. Farm range cockerels direct from Fishel. Eggs fifty \$3, hundred \$5.50, prepaid. Mrs. John Kasberger, Eudora, Kan. EGGS; BARRED ROCKS, THOMPSON strain; show winners, winter layers, males from trapped stock. Pen \$3 fifteen; range \$1.50 fifteen, \$6 hundred. Pleasant Valley Poultry Farm, Ashland, Kan.

Plymouth Rock—Eggs

MAMMOTH WHITE ROCKS, POORMAN'S trapped pedigree 300 egg strain direct. The world's best layers. 100 eggs \$6.50; 50, \$3.50, prepaid. Satisfaction guaranteed. Gertrude Mills, Sabetha, Kan. BARRED ROCKS; PARK'S 34 YEAR trapped over 200 egg strain. Certified, headed by pedigreed males. Pen eggs setting \$2.50; 100-\$10; flock 100-\$6. Chicks 25c and 20c. Mrs. F. Hargrave, Richmond, Kan. PURE THOMPSON IMPERIAL RINGLET eggs. Trapped. Both matings. Winners American Royal, Wichita National, Greenwood County Fair. \$5 fifteen; range \$3 fifteen, \$15 hundred. Mrs. Robert Simmons, Severy, Kan. IMPERIAL RINGLET BARRED ROCKS, direct from Thompson. Winners of first premiums and display cup Midwest Poultry Show. Eggs hundred \$7, fifty \$3.50, fifteen \$1.50, prepaid. Quality, fertility, safe delivery guaranteed. D. A. Rogers, Concordia, Kan. RHODE ISLAND REDS S. C. REDS, OWEN'S MAHOOD DIRECT. Quality pullets \$1.50; eggs \$1.50 up. S. B. Banbury, Pratt, Kan. ROSE COMB RHODE ISLAND COCKEREL, extra large, rich brilliant red, heavy laying strain, \$3.50, four or more \$3 each. Eggs. Pen mating \$1.50 per setting. G. H. Meier, Alma, Kan. Rhode Island—Eggs ROSE COMB RED EGGS, 100-36; 15-\$1.25. Postpaid. Easterly & Easterly, Winfield, Kan. PURE ROSE COMB RED EGGS \$5 HUNDRED. Mrs. Harry Walker, White City, Kan. SINGLE COMB PURE REDS, EGGS \$1.50 fifteen, \$5 hundred. J. W. Bain, Pleasant Hill, Mo. EGGS; BOTH COMB REDS, \$1.25 SETTING. Dr. Thompson, 1010 Avenue A, Dodge City, Kan. ROSE COMB RHODE ISLAND REDS, CERTIFIED pen, fifteen \$1.50. Chas. Cross, Council Grove, Kan. PURE BRED LARGE DARK ROSE COMB Red eggs, \$5 per hundred, fifty eggs \$2. Milton Krainbill, Bern, Kan. EGGS \$5.50 HUNDRED, POSTPAID. LARGE dark Rose Comb Reds. Cullied flock. Mrs. Otis Parker, Waterville, Kan. LARGE DARK SINGLE COMB REDS. Eggs \$4 hundred. Cullied flock. Mrs. Bert Schwartz, Concordia, Kan. DARK ROSE COMB RED, SELECTED layers. Eggs \$1.50 per 15; \$7 per 100, shipped. T. E. Hunt, Lebo, Kan. S. C. RED EGGS, LARGE BONED, POSTPAID. \$5.50 hundred, \$3 fifty, \$1 fifteen. H. F. Eng, Fredonia, Kan. ROSE COMB REDS, PURE BRED, FIFTY eggs \$4, delivered. Safe arrival guaranteed. Howard Vail, Marysville, Kan. ROSE COMB RED EGGS, PURE, LARGE, velvety Harrison laying strain. Fifteen \$1.25, hundred \$4.75. Melvin Whitehead, Walnut, Kan. PURE BRED LUTROUS MAHOOGANY Red, Rose Comb Rhode Islands. Eggs hundred \$5.50, setting \$1. Mattie Shearer, Frankfort, Kan. HEALTHY, LONG BACKED, DARK ROSE Comb Reds. Eggs 100-36. Fertility guaranteed, insured, prepaid. Hazel DeGent, Lake City, Kan. PURE BRED DARK ROSE COMB RED EGGS 100-36; 50-33.25; free range. Chicks 15 cents each postpaid. Mrs. Gerald Campbell, Broughton, Kan. ROSE COMB RHODE ISLAND REDS from best exhibition laying strains. Large, dark red. Hundred eggs \$6, postpaid. A. J. Turinsky, Barnes, Kan. SINGLE COMB, RICKSECKERS, REDS, dark heavy laying farm flock, radiant Hummy males. 100 eggs \$6 postpaid. Robt. Murdoch, Lyndon, Kan. TRAPNESTED PEDIGREED S. C. REDS. Chicks 15c, 20c, 50c. Range eggs \$6 hundred. Pen \$5 fifteen. Circular free. J. A. Bockenstette, Sabetha, Kan. LARGE DARK RED SINGLE COMB EGGS from prize winning trapped stock; 15-\$1.50, 100-\$7, Records to 264. Mrs. Frank Smith, Route 2, Lawrence, Kan. SINGLE COMB REDS, THOROUGHLY tested. 175-235 egg type, hundred \$4. Special pen 235-265 egg type \$1 fifteen. Mrs. Will Hopwood, Abilene, Kan. DARK ROSE COMB RHODE ISLAND Reds, Imperial 250 egg strain, prize winners. \$6-100, \$3.50-50, \$1.25 setting. Prepaid. J. H. Carney, Peabody, Kan. DARK SINGLE COMB RHODE ISLAND Reds. Tompkins' 250 egg strain. Prize winners. \$6-100; \$3.50-50; \$1.25 setting, prepaid. G. A. Carney, Peabody, Kan. SINGLE COMB RHODE ISLAND RED eggs. First pen hundred \$10, fifteen \$2.25. Second pen hundred \$8, fifteen \$1.25. State certified. Pete Anderson, Burlington, Kan. EGGS FROM BIG BUSTER DARK VELVET Red pure bred Rose Comb Rhode Island Reds, \$6 per hundred, by insured prepaid parcel post. William Shields, Waterville, Kan. PURE ROSE COMB RED EGGS, STANDARD hens, sired by cockerels whose dams trapped 204-240 eggs last year. Hundred \$8 prepaid. Mrs. Earle Bryan, Emporia, Kan. MAHOOD-COWDRY S. C. REDS, BRED to lay, pullets laying 6 months of age. \$3.50, eggs \$6 hundred, \$1.50 fifteen. Pen \$3, \$5, \$7 fifteen eggs. Mrs. Nell Kimball, Carbondale, Kan. S. C. REDS, RICKSECKERS AND EMIG'S dams. Tompkins sires, cullied for laying and color by state licensed judge. \$7 hundred, \$4 fifty; pen \$10 fifteen. Mrs. Geo. Wharton, Agenda, Kan. STATE CERTIFIED HIGH RECORD FLOCK of Single Comb Reds, Owen Farm's strain. Eggs 100-38; 15-\$1.50. Trapped and matings, 15-\$7.50. Mating list free. Mrs. Sophia Lindgren, Dwight, Kan. S. C. 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**Rhode Island—Eggs**  
**SMALL FLOCK CHOICE LARGE BONED,** Jovely Rose Comb Reds. Hoganized, 100 eggs \$6. Guaranteed. Keep this advertisement. Miss Eulalia Wright, Kiowa, Kan.  
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**STANDARD BRED, ROSE COMB REDS,** Large brilliant dark red. Exhibition quality. First prize winners at State Red Meet. Mated and selected for high egg production by licensed judge. Eggs: range 15-\$1.50; 25-\$2; 100-\$7, postpaid. Mrs. Arthur Woodruff, Miltonvale, Kan.  
**STANDARD BRED ROSE COMB RED** eggs from winners Kansas City, Topeka, Hutchinson, other shows. Large boned, dark red, selected bred-to-lay strain. Fifteen \$2; fifty \$5.50; hundred \$10. Chicks \$2. Postpaid. Satisfaction guaranteed. G. H. Lowder, Waverly, Kan.  
**SOMETHING NEW IN THE POULTRY** business. Eggs for hatching from which the chicks can be registered. Six hens in pen 1 each with 300 egg records and up. Will tell you how to register, pedigree and breed for eggs, with photographs and mating list, all free. Albert G. Requa, Caney, Kan.

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**ROSE COMB RHODE ISLAND WHITE** eggs \$6 hundred, \$1.50 fifteen. Will Guenner, Zenda, Kan.  
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**ROSE COMB WHITES, FROM GOOD LAYING** strain. Flock expert culled. 100-\$5. Aug. Sommers, Miltonvale, Kan.  
**ROSE COMB WHITES, (WINTERLAY** kind.) 100 eggs \$8. Select mating 15-\$2.50. E. Bidleman, Kinsley, Kan.  
**ROSE COMB RHODE ISLAND WHITE** eggs. Good winter layers, expert culled. \$7 per hundred. After May 15, \$5 per hundred. Postpaid. Marvin Buell, Miltonvale, Kan.

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**MAMMOTH BRONZE TURKEY EGGS 40c.** Mrs. Robert Bishop, Potter, Kan.  
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**BOURBON RED TURKEY EGGS, 35 CENTS** each. S. C. Lundberg, McPherson, Kan.  
**BOOKING ORDERS, WHITE HOLLAND** eggs \$4.50 dozen. Lottie Enke, Green, Kan.  
**PURE NARRAGANSETT TURKEY EGGS,** 40c each. Mrs. W. F. Hisey, Garden City, Kan.  
**MAMMOTH BRONZE TURKEY EGGS,** \$4.30 for eleven. W. Robinson, Viola, Kan.  
**MAMMOTH BRONZE TURKEY EGGS, 50c** each. Postpaid. H. V. Ellis, Clay Center, Neb.  
**BRONZE TURKEY EGGS 40c; 20 LB.** hens, 45 lb. tom. W. H. Winslow, Brewster, Kan.  
**GOLDBANK BRONZE PRIZE WINNING** turkey eggs, 40c. Mrs. Steve Beason, Orion, Kan.  
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**PURE BOURBON RED TURKEYS; TEN** fertile eggs \$4 postpaid. P. B. Way, Canton, Kan.  
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**PURE BOURBON RED TURKEY EGGS;** large healthy stock, \$4.50 for 10. Mrs. E. C. Grizzell, Clifton, Kan.

**FAMOUS GOLDBANK GIANT BRONZE** turkeys. Vigor, size, color. Eggs \$1.00 each. Stock. Vira Bailey, Kinsley, Kan.  
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**EGGS FROM MAMMOTH BOURBON** Reds, state show prize winners, dark red, all white tails, 35c per egg, postpaid. Toms 1c. Mrs. Jake Royer, Gove, Kan.  
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**BRONZE TURKEY EGGS; ELEVEN \$7.50** and \$8. Pen 1 by Goldbank Tom from "Red Brood". best eggs. Pen 2 by Copper tom from Copper Bronze Ranch, Mrs. Nealla Huckstadt, Garden City, Kan.

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**EGGS REGAL WHITE WYANDOTTES,** \$5.50 hundred; chicks 15c. Live delivery, prepaid. James Christiansen, Caney, Kan.  
**WHITE WYANDOTTES, FISHEL EGG-A-** day strain. Eggs 15-\$1, 50-\$3, 100-\$5.50. Order your May baby chicks now; 100-\$15, 50-\$8, prepaid. Cora Shields, Clifton, Kan.

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**SILVER LACED WYANDOTTE EGGS, \$6** hundred. Fred Skalicky, Wilson, Kan.  
**SILVER LACED WYANDOTTE EGGS \$5.50** hundred. Leonard Bonar, Vining, Kan.  
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**WHITE WYANDOTTE EGGS, MARTIN** strain, \$5 hundred. J. W. Hollis, Holton, Kan.  
**MARTIN STRAIN WHITE WYANDOTTE** eggs, hundred \$5. Mrs. Tom Moore, Hays, Kan.  
**ROSE COMB BUFF WYANDOTTE EGGS** 75c-15; \$4.50-100. Paul Schmanke, Alma, Kan.  
**SILVER LACED WYANDOTTE EGGS \$2.25-** 30, \$5-100. H. Kern, 111 East 21st, Topeka, Kan.  
**GOLDEN LACED WYANDOTTE EGGS,** \$1-15, \$5-100. Mrs. John Smith, Fredonia, Kan.  
**PURE COLUMBIAN WYANDOTTE EGGS,** 15, \$1.25; 100, \$6, prepaid. H. E. Glantz, Bison, Kan.  
**WHITE WYANDOTTE EGGS, MARTIN** strain, \$4 hundred. Mrs. S. Mertz, Wabunsee, Kan.  
**PRIZE WINNING PARTRIDGE WYAN-** dottes. Eggs \$6 hundred. Wm. Hebbard, Milan, Kan.  
**PURE BRED WHITE WYANDOTTE EGGS** \$4 hundred, 75c fifteen. Solomon Gabelmann, Natoma, Kan.  
**STATE CERTIFIED MARTIN-KEELER** White Wyandotte eggs \$6 hundred. Mrs. Thomas Young, Day, Kan.  
**WHITE WYANDOTTE, MARTIN'S REGAL** Dorcas prize winners, hundred \$5. Mrs. Harry Barnes, Hillsboro, Kan.  
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**SILVER LACED WYANDOTTE EGGS,** Prize winning stock. Hogan tested. Heavy layers. Thirty, \$2. Mary Stringer, Monument, Kan.  
**REGAL-DORCAS WHITE WYANDOTTE** eggs, \$3 per 15; \$5 per 30. A few yearling hens \$2 each. Donald V. Ricketts, Fontana, Kan.

**BARRON'S WHITE WYANDOTTES,** World's greatest layers. 15 eggs, \$2; 100, \$9, prepaid. 60% hatch guaranteed. H. A. Dressler, Lebo, Kan.  
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**DORCAS LAYING STRAIN WHITE WY-** andotte prize winners direct from Martin, heaviest egg production. Flock expert culled. Eggs \$6 hundred; chicks 15c. Prepaid. B. L. Carney, Marion, Kan.  
**PURE BRED WHITE WYANDOTTE, MAR-** tin Dorcas strain direct, culled by licensed judge. Eggs \$7 hundred, \$1.25 setting, prepaid. Satisfactory hatch guaranteed. Chas. Kaiser, Miltonvale, Kan.

**WHITE WYANDOTTES: MARTIN-KEEL-** er strains direct. Record layers, closely culled. 50 eggs \$3.25; 100-\$6; 300-\$17.50; 500-\$27.50. Safe delivery and satisfaction guaranteed. Baby chicks 100-\$18, prepaid, live delivery. Garland Johnson, Mound City, Kan.

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**949 COCKERELS, 15 VARIETIES HATCH-** ing eggs, baby chicks. Free book. Aye Bros., Blair, Neb., Box 5.  
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**FOR SALE: BOURBON RED TURKEY** eggs from extra large two year old stock, 45c each, 11 for \$4.50. Also Rose Comb Rhode Island Red eggs \$4 hundred. Mrs. A. A. Wiltzins, Clifton, Kan.

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**SURPLUS POULTRY SHOULD BE MAR-** keted now. Coops loaned free. The Copes, Topeka, Kan.  
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**FOR RENT BY OWNER.** 160-acre irrigated dairy and seed farm; close to town, good buildings, fruit trees, berries, registered alfalfa. Ideal climate, good schools. Fred Boreman, Camas, Mont.

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**STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.** Of Kansas Farmer and Mail & Breeze, published weekly at Topeka, Kansas, for April 1, 1924. State of Kansas, County of Shawnee, ss. Before me, a notary public in and for the state and county aforesaid, personally appeared J. E. Griest who, having been duly sworn according to law, deposes and says that he is the business manager of the Kansas Farmer and Mail & Breeze and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of Congress of August 24, 1912, embodied in section 449, Postal Laws and Regulations, to-wit:  
 1. That the names and addresses of the publisher, editor, managing editor and business manager, are: Publisher, Arthur Capper.....Topeka, Kansas Editor, T. A. McNeal.....Topeka, Kansas Managing Editor, F. B. Nichols.....Topeka, Kansas Business Manager, J. E. Griest.....Topeka, Kansas  
 2. That the owner is: Arthur Capper.....Topeka, Kansas  
 3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: None.  
 J. E. GRIEST, Business Manager.  
 Sworn to and subscribed before me this 31st day of March, 1924.  
 R. C. McCREGOR, Notary Public.  
 [Seal]  
 (My commission expires June 6, 1926.)

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At the Fred C. Nickols farm, two miles south of town,

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Three registered bulls ready for service.

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SHORTHORN CATTLE

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J. W. Johnson, Fieldman Mail & Breeze.

# J. P. Ray & Son Shorthorn Sale

## Hugoton, Kansas, Monday, April 21, 1924

50 head of cows, some with calves, heifers and bulls. Offering includes our consignment that bad weather prevented our taking from Hooker, Okla., to Ray-Scott sale at Kinsley, Kan., March 27.

A well bred Scotch and Scotch Topped offering of our own raising. Popular families. Offering will be in good condition. For catalog address,

## J. P. Ray, Lewis, Kan. or John E. Ray, Hooker, Okla.

John D. Snyder, Auctioneer.

# Annual Spring Shorthorn Sale

Butler County Shorthorn Breeders' Ass'n

## Towanda, Okla., Wednesday, April 23, 1924

At J. C. Robison farm, 4 miles northwest of Towanda.

12 cows, all with fall heifer calves at side, 15 bull, early calves to serviceable age. Offering is Scotch and Scotch Topped. It includes a number by imported bulls out of imported dams. Offering will be in good condition.

Consignors: John Regier, Whitevater, Kan.; Waits & Son, Cassoday, Kan.; Ed Marke, Potwin, Kan.; Ed Muleh, Augusta, Kan.; Cy Jones, Augusta, Kan.; O. E. Torrey, Towanda, Kan.; A. W. Gephart, Rosalia, Kan., and J. C. Robison, Towanda, Kan.

Write J. C. Robison, sale manager, Towanda, Kan., for catalog.

Boyd Newcom Auctioneer.

### TOMSON SHORTHORNS

High class bulls and females at moderate prices. A large collection of select cattle to choose from.

TOMSON BROS., Wakarusa or Dover, Kan.

### Scotch and Scotch Tops

10 last spring bulls, mostly nice roans. 15 heifers, same age, reds and roans.

C. W. TAYLOR, ABILENE, KANSAS

### Shorthorn Bulls

Two 11 months old Scotch topped bulls. Prices right. Accredited herd. HARRY LECLERC, Burrton, Kan.

### SHORTHORN BULLS AND HEIFERS

By Marshal Sunray, Scotch and Scotch topped, from best of families. C. H. WHITE, Burlington, Kan.

### PURE SCOTCH SHORTHORN BULLS

Get of Silver Marshal. Old enough for service. Bulls under 1 year can be shipped crated by express. Silver Marshal by Village Marshal at 3 years weighed 2200 in good breeding condition. Accredited herd. Write for prices.

A. H. Taylor & Son, Rt. 4, Sedgwick, Kan.

### LIVESTOCK NEWS

By J. W. Johnson  
Capper Farm Press



J. H. Lomax, Leona, Kan., will sell his sixth sale of Jersey cattle at his farm near that place, Tuesday, May 13. B. C. Settles of St. Louis, Mo., is the sale manager.

J. P. Mast, Scranton, Kan., is one of the breeders of Holsteins who was an interested visitor at Topeka during the annual Holstein sale and banquet. G. Regier, Whitevater, Kan., was another Holstein breeder who attended that has never missed an association sale at Topeka or a banquet.

Holstein dispersion sales are certainly great places to buy real cattle. There has been a number of such sales this spring and another is the Fred C. Nickols, Bonner Springs, Kan., and J. W. Moss, Tonganoxie, Kan., sale at the Nickols farm near Bonner Springs April 28.

Jackson county, Kansas, is the oldest recognized Jersey cattle center in the West and the Jackson County Jersey Cattle Club is made up of breeders of Jerseys in that county who are anxious to retain the splendid reputation of that county for the best in Jerseys. Their next annual sale will be held in the new sale pavilion at Holton, Kan., April 23.

C. M. Crews, a well known Eastern Kansas auctioneer, has recently associated with him in the business his son, Charles Jr. He helped with a big Holstein sale at Topeka recently and did splendid work. He is a bright, gentlemanly young man that is sure to make a success of the auction business that his father has so well succeeded in. Both the father and son live in Topeka.

Eight Butler county Shorthorn breeders hold a consignment sale Wednesday, April 23 at the J. C. Robison farm 2 miles north and 2 miles west of Towanda, Kan. The sale includes a number by imported sires and out of imported dams, an unusual offering for an association sale. Consignors include progressive Shorthorn breeders of the county who annually put on a sale.

J. P. Ray, Lewis, Kan., and his son, John E. Lewis, Hooker, Okla., will sell Shorthorns at Hugoton, Kan., Monday, April 21. It was intended to bring a consignment from the Lewis herd at Hooker, Okla., to the Ray-Scott Shorthorn sale at Kinsley, Kan., March 27, but bad weather prevented moving the cattle. These Shorthorns constitute a surplus of good ones that the Rays always sell each spring.

E. A. Cory, Concordia, Kan., has been sale manager for every Northwest Kansas Shorthorn Breeders' Association sale ever held and all of them but the first one has been held at Concordia. They are fall and spring events and the 1924 spring sale will be held in the big sale pavilion at that place April 29. In this sale 15 well known breeders are consigning 60 head. Governor Jonathan Davis has promised to speak at the banquet at the Barons House in Concordia the evening before the sale. The association's annual meeting will be held the morning of the sale at the usual place.

Bad weather caused postponement of A. W. Molz, Kiowa, Kan., Hereford dispersion sale from March 17 to April 1. Thirteen cows and heifers averaged \$98 with two tops of \$122.50. Five bulls, all under serviceable age except the herd sire, averaged same money as for females, \$98. Sale top was \$200 for the 4-year-old herd sire, Beau Blanchard 32. The purebred sale was sandwiched in between a general sale of farm machinery and grade livestock including horses, mules, hogs, and stock cattle. At least 500 people were present and nearly everything sold well. The purebred Herefords, horses, stock cattle, and wheat farming machinery sold very well. Most buyers paid cash.

### Kansas Holstein Breeders' Sale

The Holstein-Friesian Breeders' Association of Kansas held its eighth annual sale and banquet in Topeka last Monday. About 70 animals brought a grand total of \$9,700 and many of them were calves and young heifers and bulls. It was a good sale and the consignors were well pleased and the sale management were complimented on the quality of the offering they had secured for this sale. The banquet in the evening was well attended and in the business meeting that followed the following officers were elected: President, Ira Romig, Topeka; vice president, H. E. Vanhorn, Sabetha; secretary-treasurer, W. H. Mott, Herington. Dr. Branch of Marion, the outgoing president, was elected a member of the board of directors to fill the vacancy caused by the election of Mr. Romig as president. Charles High and Mark Abildgaard, both of Mulvane, were elected sales committeemen to assist Dr. Mott in making selections from the "show" sale at Wichita next January, and C. W. McCoy and Pat Chestnut of Valley Falls and Lavenworth to assist in making selections for the annual sale at Topeka next March. Ira Romig and Walter Smith were selected to audit the treasurer's books for 1923 and 1924.

### Low Sale at Beloit

A mixed lot of Shorthorn cattle shipped from Oklahoma, was sold at auction on the Beloit, Kan., fair grounds, March 28. Prices ranged from \$11 for an orphan calf without registration papers, to \$155 each for two yearling bulls. The big snow of middle March had forced a postponement from the first day set for the sale, and frequent rains on the new date added to the bad luck that often dogs a postponed sale. Nevertheless, 44 separate lots of Shorthorns were sold, including a half dozen or more orphan calves. These and several other lots had to be sold without papers. Thirty female lots averaged about \$56 and 14 bulls averaged about \$60. Many of the animals were very thin, including some consigned by a bank which had taken cattle on mortgages. Dr. H. L. Burgess, one of the consignors, had some really choice cattle in good condition, but the attendance was not sufficient to take them all and a dozen or so were returned to his herd. Buyers secured many bargains. The top two females, White Beauty at \$125 and Miss Zella Sultan at \$112.50, went to Col. Will Myers of Beloit. The top bulls went to D. A. Williams of Beloit. Ed Coyle and Grant Crawford of Lincoln Center bought some of the best herefords.

### POLLED SHORTHORNS

## SHORTHORNS (POLLED)

Polled Bulls of choice Shorthorn breeding, \$75 to \$150. Dehorn with a hornless Shorthorn bull. One of the largest herds. Write us or phone at our expense.

J. C. BANBURY & SONS, PRATT, KAN.

### MILKING SHORTHORNS

## Milking Shorthorn Records

All cows officially tested. For sale: Bulls of world's record breeding. Write for free illustrated booklet.

THE BONVUE FARMS CO., DENVER, COLO. Stock Yards

### POLLED HEREFORD CATTLE

TRUMBO'S POLLED HEREFORDS. Heifers: Coming yearlings to 3-year-olds, bred or open. Bulls: Calves to serviceable age. Herd sires: Abe G. a Polled Success and Echo Mystic, a Polled Admiral, Dams: Best Ideal, Rex Onward, etc. W. W. Trumbo, Peabody, Kan.

### RED POLLED CATTLE

MY REGISTERED HERD of Red Polled cattle is Federal accredited. Bulls and heifers for sale. J. H. Ferguson, Gypsum, Kan.

RED POLLS. Choice young bulls and heifers. Write for prices and descriptions. Chas. Morrison & Son, Phillipsburg, Kan.

### LIVESTOCK AUCTIONEERS AND SALE MANAGERS.

## BOYD NEWCOM, Auctioneer 219 Beacon Bldg., Wichita, Kan.

## Jas. T. McCulloch Livestock Auctioneer Clay Center, Kansas

### HORSES AND JACKS

15 Large, Heavy Boned registered Jacks, well broke, good ages. Priced right. Few Percheron and Belgian stallions. M. H. MALONE, CHASE, KANSAS J. P. MALONE, LYONS, KANSAS

## JACK TO TRADE

for old Ford. OTIS BOOK, McCUNE, KAN.

TWENTY BIG MAMMOTH JACKS, Percheron stallions and mares for sale at low prices. At E. Smith, Lawrence, Kan.

ONE REG. FRENCH DRAFT STALLION for sale. 7 yrs. old, black, a good breeder. Louis Marcotte, Garden City, Kansas

ONE BELGIAN AND ONE PERCHERON for sale. Both registered. Extra large; at farmer's prices. Dr. M. Panington, Trousdale, Kansas

JACKS OF THE RIGHT KIND and breeding. Priced to sell. Hineman's Jack Farm, Dighton, Kansas.

### DUROC JERSEY HOGS

200 Immune Duroc Bred Gilts Sired by and bred to State Fair prize winning boars. Shipped on approval. No money down. Special prices on carload lots. F. C. CROCKER, Box M, FILLEY, NEBB.

## Central Kansas Herd

Boars, bred gilts, fall pigs, either sex. Priced to sell. Immunized and guaranteed. Write to us. J. C. Long & Sons, Ellsworth, Kan.

### VALLEY SPRINGS DUROCS

Boars, all ages; sows bred for spring farrow; any bloodlines wanted; Immune, registered, guaranteed breeders. Year's time to pay. E. J. Bliss, Bloomington, Kan.

DUROC MALES, \$20 to \$25. Well bred, good length and bone; 150 to 200 lbs. Have sold in 67 Kansas counties. Truck load bred gilts cheap. J. E. Weller, Holton, Kan.

### HOMER DRAKE'S DUROCS

Bred gilts and fall pigs sired by high class boars. Gilts bred to Radio Giant. Registered. Double immune. Priced right. Homer Drake, Sterling, Kan.

### CHESTER WHITE HOGS

Wiemers' Chester Whites Immuned, growthy fall boars, \$22.50 and up. First choice spring boars, weighing time \$12.50 and up. State fair winning blood lines. Free circular. We ship C. O. D. on approval. Henry Wiemers, Diller, (Jefferson Co.) Neb.

REGISTERED, BRED, IMMUNE Priced Wildwood Gilts, \$80. Two nice 200-lb. boars, same breeding, \$25. F. Scherman, Rt. 7, Topeka

REGISTERED CHESTER WHITE BOARS Serviceable age. Grandson of Big Buster, \$18 each. Order direct from adv. Earl Scott, Wilmore, Kan.

### POLAND CHINA HOGS

DEMING RANCH POLANDS By or bred to our many times grand champions, Ranch Yankee and Latchette. Good reliable Poland of all classes. Priced worth the money. Deming Ranch, Oswego, Kan. H. O. Sheldon, Mgr.

MONAGHAN & SCOTT'S REVELATOR By Grand champion and sire of champions, by Liberator, dam Lady Revelation. Bred sows, gilts, boars, fall pigs by or bred to Revelator. Monaghan & Scott, Pratt, Kan., Tor.

POLANDS, either sex, by Designer and Cleo cotts, Jr. Few Designer and Cleo cotts Jr. gilts bred by Liberator-Revelation. The Outpost and Checkers-Hodge, at farmer prices. J. R. Houston, Gem, Kan.

### SPOTTED POLAND CHINA HOGS

BIG BRED SOWS, \$27.50. Weanlings, \$6.50. Trios, \$15. One extra yearling boar, \$20. T. L. Curtis, Dunlap, Kan.

NEWS OF OTHER STATES  
By Capper Farm Press Fieldmen

Orrie Coburn of Edgewood Farms, White-water, Wis., writes: "At no time in recent years has there been such a demand for Holstein and Guernsey dairy stock, and it is the universal belief that dairy products will continue to be high. The population of the United States is increasing much faster than the production of dairy products, and dairy products are used more extensively than ever before."

SPECIAL RATES

For purebred livestock display advertising 40 cents per agate line for each insertion. Minimum number of lines accepted, five.

FIELDMEN

KANSAS—J. W. Johnson, Capper Farm Press, Topeka, Kan.  
NEBRASKA—Jesse R. Johnson, 227 S. 13th St., Lincoln, Neb.  
OKLAHOMA—A. B. Hunter, 631 Continental Building, Oklahoma City, Okla.  
MISSOURI—O. Wayne Devline, 1407 Waldheim Bldg., Kansas City, Mo. Advertising copy may be changed as often as desired.  
All changes of copy must be ordered and new copy furnished by advertiser and sent either to Fieldman or direct to Livestock Department.  
W. J. CODY, Manager, Livestock Dept., Capper Farm Press, Topeka, Kansas.

AYRSHIRE CATTLE

What Does Your Herd Pay For Its Feed?

Ayrshires are economical producers. They have proved their worth on Kansas farms. Let us tell you how one farmer received \$3.57 for each one worth of feed his Red and Whites consumed last year. You can increase your profits with Ayrshires.

Ayrshire Breeders' Association  
12 Center Street,  
Brandon, Vermont

BULL CALVES

1 to 6 months old, \$50; mostly from dams with good official records. Females, 1 or a carload at moderate prices.  
DAVID G. PAGE,  
Fairfield Farm, Topeka, Kansas

REGISTERED AYRSHIRE BULL, 5 years old. From dam of about 12,000 lbs. milk. Will sell at meat prices if taken before May 1. Manley Bros., Diamond Springs, Ks.

HEREFORD CATTLE

BRED OR OPEN HEIFERS AND COWS. Bulls—calves to breeding age. Sired mostly by Romulus 23, a Beau Mystic sire. Bred females in service to Model Boy by Rocky Boy. Lester Schroeder, Albert, Ks.

HOLSTEIN CATTLE

MULVANE HOLSTEIN BREEDERS CLUB

The Place to Buy Foundation Holsteins  
Twenty-five herds all under federal supervision for tuberculosis and located close together offer unlimited numbers to make selections from and greatest economy in locating and collecting the animals you want. Address communications to  
S. G. CAMPBELL, Sec'y., Mulvane, Kan.

Five Choice Holstein Bulls

Ready for service. Grandsons of Creator and from record dams. Bred on our farm adjoining Kansas City. Reasonable prices and terms to responsible parties. Write today or phone at our expense.  
A. J. KING,  
No. 12 East 9th Street, Kansas City, Mo.

ONLY ONE BULL old enough for service for sale. He is from an A. R. O. dam. A 25 pound proven sire with double A. R. O. daughters.  
D. L. BUNTON & Son, Elmont, Kan.

HOLSTEIN HEIFERS, reg., large well finished, 7-13 mos., some out of A.R.O. dams. By or bred to son of high record cow. Reasonable. E. E. HANES & Son, Towanda, Kan.

HOLSTEINS. Splendidly marked, high grade heifers, 6 weeks old, \$20.00, shipped C. O. D. Registered bull calf free with 10-head order.  
Wildwood Farms, Stillwater, Minn.

BEFORE ORDERING HOLSTEIN OR GUERNSEY CALVES anywhere, write Edgewood Farms, Whitewater, Wisconsin

WESTVIEW FARM HOLSTEINS. Choice bulls 10 to 15 mos. old. Well bred, well marked. Reasonable prices. Daniel Cilkenbeard, Wetmore, Kt.

BRAEBURN HOLSTEINS  
H. B. Cowles, 483 Kansas Ave., Topeka, Kan.

Kansas Holstein Breeders

Bulls Bulls Bulls

We have at Maplewood Farm 10 choice bulls ready for service. All sired by our 1,000-pound yearly record bull and from daughters of Canary Butter Boy King. Prices very reasonable. Write today.  
W. H. MOTT, HERINGTON, KAN.

Some Very Choice Holstein Heifers

Bred to our herd bull, Sir Colanthus De Kol Henry, are offered. They are right all over and can't help pleasing you. Also some nice bull calves by this sire.  
C. W. MCCOY, VALLEY FALLS, KANSAS

A PIONEER BREEDING HERD

Quality rather than numbers has always been our motto. Let me know your wants and I can very likely supply you.  
BEN SCHNEIDER, NORTONVILLE, KAN.

COLLINS FARM HERD

Headed by Vanderkamp Segis Pontiac. Only Kansas sire with two 1000 lb. 3-year-olds and two 840 lb. 2-year-old daughters. Every yearly tested daughter has produced over 634 lbs. of butter. Young bulls of this breeding at modest prices.  
THE COLLINS FARM CO., Sabetha, Kan.

Do You Need a Young Bull for Future Use?

"Clear Creek Sir Segis Vinita," a real outstanding calf with best of breeding can be bought at less than half value. Born Oct. 3. Is 3/4 white and from 25 lb. cow. Will send photo. Address  
DR. C. A. BRANCH, MARION, KAN.

Nothing To Sell At Present

Later will have baby bulls for sale with production and type. Sired by Sir Ormsby Skylark Segis Beets, whose dam holds the Iowa State record with over 30 lbs. as a heifer. His sister held the world's record for butter with 1566 lbs. in a year.  
E. A. BROWN, PRATT, KAN.

Bulls and Heifer Calves

From one to six months old for sale. A pioneer herd, federal accredited. Six miles Atchison, two miles Shannon. Address.  
B. L. BEAN, R. F. D. 4, ATCHISON, KAN.

JERSEY CATTLE

A. Wilkinson Estate Jersey Dispersal

Dodge City, Kansas  
Tuesday, April 22, 1924

15 young cows, 4 coming 2 years old, 6 yearlings, 7 heifer calves, and 6 bulls from calves to serviceable age. Breeding age females, mostly fresh or springers. High producers, tuberculin tested, registered. Raleigh, Gamboge, Flying Fox, etc., breeding. This is a money making herd that must be dispersed to settle an estate. For catalog address

C. N. Wilkinson, Administrator  
Dodge City, Kansas  
Boyd Newcom, Auctioneer

Baby Jersey Bull

We still have an exceptionally well bred baby Jersey bull, born Feb. 8, 1924, sired by a son of the gold medal cow, Golden Maid's-Gamboge's Nora No. 105493, who produced 731 lbs. of fat at 4 yrs, 2 mo., and whose dam, Toronia Flegs Fern No. 444725, produced 531 lbs. of fat at 2 yrs, 9 mo.  
This is an exceptionally good individual, straight back, large capacity, and dark-color. Price \$75.00.  
WALLACE S. SHEARD, Box 91, Junction City, Ks.

REGISTERED JERSEY BULLS. Calves and yearlings. Hood Farm breeding. Terms on calves.  
Percy E. Lill, Mt. Hope, Kansas

JERSEY BULL  
Five-generation pedigree furnished. Write  
Halsey Cook, Eureka, Kansas

REG. CHAMPION JACOBA IRENE  
and Eminent Oxford Buttercup, R. O. M. weanling bulls, \$30.  
F. Scherman, Rt. 7, Topeka

GUERNSEY CATTLE

4 High Grade Guernsey Cows

For sale. Priced cheap for quick sale. A fine registered bull serviceable age and one registered bull 7 mo. old; also a registered bull calf, best May Rose breeding. Write  
DR. E. G. L. HARBOUR, Box 113, Lawrence, Kan.

In My Dispersal Dairy Sale of April 30

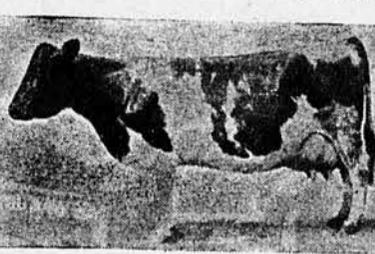
There will be twelve fine purebred and thirty high grade Guernsey cows and heifers.  
DR. J. T. AXTELL, NEWTON, KAN.

ANGUS CATTLE

MARTINS' ANGUS

We offer 10 bulls from 15 to 18 months old sired by a 2250-lb. son of Blackcap Poe. As good as we ever raised and we guarantee satisfaction.  
J. D. MARTIN & SONS,  
Lawrence, Kansas.

Landmarks of the Breed—XII



Billy 40082

The Prilly Family

One of the outstanding short-time test families among Holsteins is the Prilly. But altho most of their records have been made on short-time tests, where opportunity has been given, the members of this family have good long-time records as well.  
Old Prilly herself, the foundation cow, was a splendid individual of enormous capacity, which characteristic she transmitted to her descendants in marked degree. Her descendants have been prize-winners in the show-ring as well, and the popularity of the line rests upon both the exceptional type and the capacity of its members.  
Prilly carried royal blood. She had two crosses of Johanna breeding, being a great granddaughter of the foundation cow of that family; three crosses of the great cow Empress, former world's champion on year test with 19,745 pounds of milk at 13 years of age; and two crosses of the great sire Billy Boelyn.

Her life was spent entirely in well-known New York herds, but she was never put on test until quite aged. When nine years old Prilly made a record of 21.66 pounds of butter from 515.6 pounds of milk. At eleven years of age she produced 23.38 pounds of butter from 585.5 pounds of milk, and as a 12-year old she made 25.2 pounds of butter from 456.4 pounds of milk, and in 30 days 98.66 pounds butter from 2019.7 pounds of milk.  
Prilly had six A. R. O. daughters and three proven sons. Her female descendants include more cows with records above 20 pounds butter in seven days than can be found in any other family of the breed. There are 115 of these direct descendants with records above 20 pounds, 50 above 25 pounds and 21 over 30 pounds.

N. W. Kansas Ass'n

Omer DaMetz, Harlan, President.  
O. L. McCoy, Glen Elder, Secretary.

Taking orders for February and March delivery. Priced right. Ask today for particulars. Herd bull's 13 nearest dams averaged 28 1/2 lbs. in 7 days.  
Guy Harbo, Lenora, Kansas  
BULLS ALL SOLD

Bulls Out of A.R.O. Cows

These young bulls are by King Frontier Pontiac. Let us tell you about them.  
O. E. RIFFEL, STOCKTON, KAN.

Our Holstein Dairy Farm

We offer two bull calves of serviceable ages that are well bred and out of high production cows.  
J. C. ATCHISON & SONS, AGRA, KAN.

CHOICE BULL CALVES

Sired by Pabst Creator Titan and out of good producing cows.  
OMER DA METZ, HARLAN, KAN.

KING FRONTIER PONTIAC INKA

Heads our herd. He is a grandson of King of the Pontiacs. His 7 nearest dams averaged 27 pounds in 7 days. Herd Federal Accredited.  
O. L. McCoy, Glen Elder, Kan.

The six daughters of Prilly all had records above 24 pounds with an average of over 26 pounds. All tested high, averaging 34.35% fat. Only one of the six tested over 5%, and only two below 4%.

The Prilly bulls include not only the old cow's three sons, and their descendants, but a goodly number of sons and grandsons thru the female lines. Prilly's youngest and most famous son, King Prilly Segis, has a number of 30-pound granddaughters and at least one 1,000-pound granddaughter.

Artis DeKol Walker, a grandson of old Prilly thru her daughter, Beauty Pietertje, is grand-sire of the famous Matador brothers, Matador Segis Walker and Segis Walker Matador, whose ability as sires of type and production need little comment. Thru another son, Beauty Pietertje is the great-granddam of Segis Pietertje Prospect, the champion milk producer of the world with one 37,000-pound record and two over 35,000 pounds.

The list of good Prilly bulls might be continued indefinitely. Suffice it to say that descendants of Prilly are sure to be included whenever Holsteins of good type and production are under discussion.

101 Ranch Holstein Cattle Sale

75 registered cattle, 25 high grade cows. Sale at the Ranch, beginning at 10 o'clock, A. M.,

Marland, Oklahoma, Thursday, April 24, 1924

35 registered cows, selected from the best in the herd, all either fresh or heavy springers.

20 registered heifers, many of them daughters of the great herd sire, Yankee Leafy Segis.

10 heifer calves, sired by this great bull.

10 bulls ready for service sired by the same bull and whose dams are among the best cows at the ranch.

This sale affords an opportunity to buy some of the best the state has ever produced. Every animal Tuberculin tested and sold with the usual retest guarantee. Write today for the sale catalog to  
W. H. Mott, sale manager, Herington, Kan.

Miller Bros., Owners, Marland, Okla.

Aucts.: Ball, Newcom, McCulloch, A.B. Hunter, Fieldman Capper Farm Press  
Note—The Oklahoma State Holstein Breeders' Association meets at Ponca City, evening of the sale.

JERSEY CATTLE

JERSEY CATTLE

Jackson County Jersey Cattle Club

45 selected cattle from 10 herds—New sale pavilion,  
Holton, Kan., Wednesday, April 23

The 45 head of cows and heifers selected by the sale committee are from herds established from 10 to 30 years and 15 are cows in milk and 25 are wonderful heifers from calves to bred yearlings.

Club members consigning:

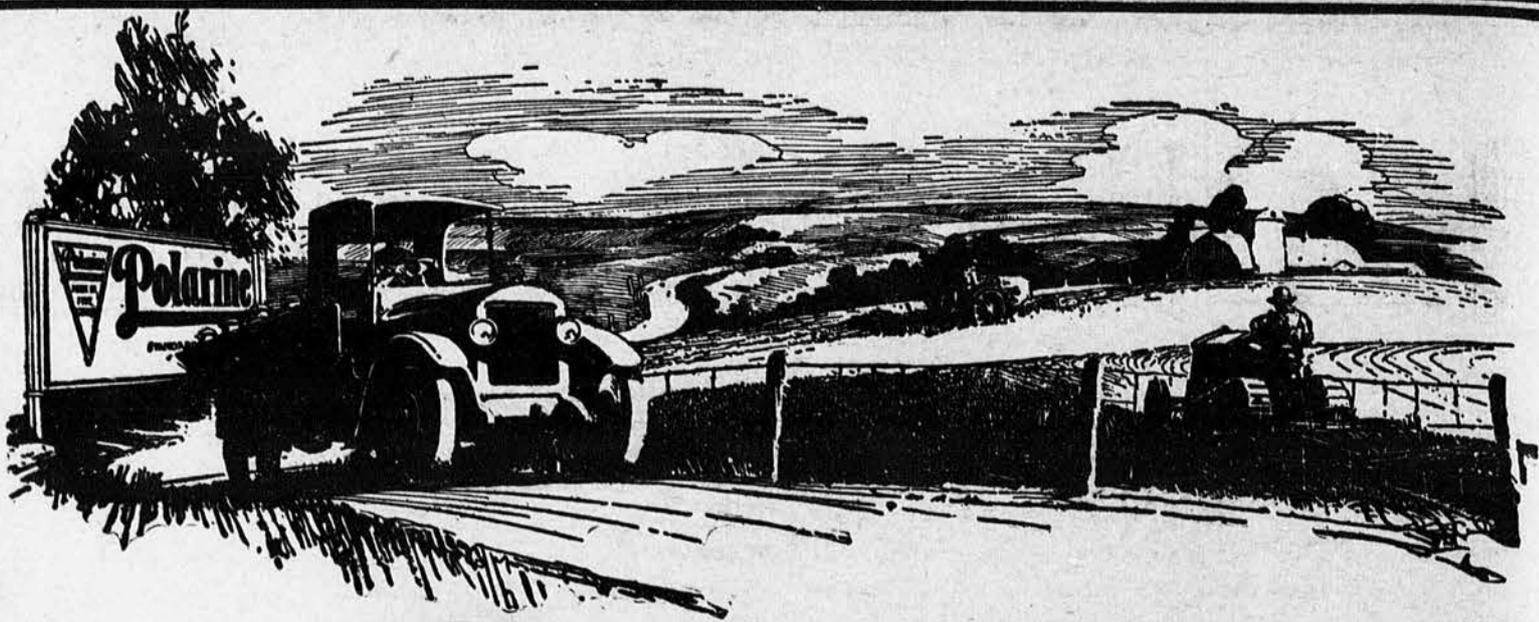
- E. C. Latta, Holton
- Raymond Walton, Holton
- Mrs. Nellie Knopf, Holton
- W. R. Linton, Denison
- R. A. Gilliland, Denison
- W. W. Walton, Holton
- Frank Knopf, Holton
- Wendell Knopf, Holton
- Chas. H. Gilliland, Mayetta
- J. B. Porter & Sons, Mayetta

Jackson county, the pioneer Jersey Center.

An annual sale of real quality and breeding from working herds of proven production. Sale catalogs ready to mail. Address,

R. A. Gilliland, Sale Manager, Denison, Kan.

Auctioneers: Jas. T. McCulloch, Geo. W. Berry, A. C. Campbell.  
J. W. Johnson, Fieldman Mail & Breeze.



# Polarine

THE PERFECT MOTOR OIL

Made in Five Grades

## Makes Record in Protecting Bearings

"Burned bearings on a crankshaft or elsewhere", says a leading automotive authority, "means that the bearing is cut, caused by friction from lack of oil."

Polarine protects bearings, by maintaining at all times, an unbroken cushion of oil. That it can do this, is due solely to its correct scientific structure.

One Polarine user writes: "In checking back records of the last five years (during which we have used only Polarine Oils and Greases) on the upkeep cost of our tractors and trucks we had only one case of burned out bearings, and this one case was the fault of neglect on the driver's part to supply the necessary amount of oil."

"This, with eleven tractors and trucks running continually, we believe is some record."

Numerous other letters tell a similar story.

Polarine minimizes friction because it maintains its body. It maintains its body because (First) it is made from selected crude. (Second) because it is refined and treated by a special process to remove those elements which tend to form gum, carbon and other impurities. (Third) because it undergoes elaborate laboratory and field tests which check up the refiner in his efforts to produce a lubricant which will stand up under all temperature and mechanical conditions.

The chart at the left tells the *right* grade for your tractor to give you perfect protection against friction.

The essence of economy is to drain your crankcase frequently and fill up with the correct grade of Polarine. Your tractor will give you better service and it will last longer.

### Tractor Chart of Recommendations

TRACTORS		Trade Name	Motor Oil
Adaptable	H	Monarch	H
Allis-Chalmers, 6-12	H	Nilson	S. H
Allis-Chalmers, Other Models	S. H	Oil-Gas	E. H
All Work	S. H	Peoria	E. H
Andrews-Kincade	E. H	Pioneer	E. H
Appleton	S. H	Reed	S. H
Aultman-Taylor, 15-30	S. H	Rix	S. H
Aultman-Taylor, Other Models	S. H	Rumley, Oil Pull, 12-20, 16-30 and 20-40	E. H
Automotive	H	Rumley, Other Models	E. H
Avery, C. & Road Raser	H	Russell	S. H
Avery, Track Runner	S. H	Samson	S. H
Avery, Other Models	E. H	Shawnee	H
Bates Steel Mule, Midwest Motor	S. H	Square Turn	E. H
Bates, Other Models	H	Stinson	S. H
Bear	S. H	Titan	S. H
Best Tracklayer	E. H	Topp-Stewart	S. H
Big Farmer	E. H	Toro	H
Case, 10-18, 12-20 and 15-27	H	Townsend	E. H
Case, 22-40	S. H	Traylor	H
Case, Other Models	E. H	Trundar	S. H
Cletrac, F.	H	Twin City, 12-20 and 20-35	S. H
Cletrac, W.	S. H	Twin City, Other Models	E. H
Coleman	E. H	Uncle Sam	S. H
Dart	S. H	Wallis	S. H
Eagle	S. H	Waterloo Boy	S. H
E-B	S. H	Wetmore	S. H
Ellwood	H	Wisconsin	S. H
Farm Horse	E. H		
Fitch	E. H	CULTIVATORS	
Flour City, Junior and 20-35	S. H	Acme	H
Flour City, Other Models	E. H	Are	H
Fordson	S. H	Avery	H
Fox	E. H	Balfor	H
Frick	S. H	Beeman	H
Gray	S. H	Bolens	H
Hart-Parr	E. H	Boring	H
Heider	S. H	Centaur	H
Holt, 2-Ton	H	Do-It-All	S. H
Holt, Other Models	E. H	International	H
Huber	S. H	Kincade	H
Indians	H	Merry Garden	M
International	H	Motor Macultivator	S. H
J. T.	E. H	New Britain	H
Klumb	E. H	Red E.	H
La Crosse	E. H	Spry Wheel	E. H
Lauson	S. H	Utilator	H
Leader	S. H		
Leonard	S. H		
Liberty	E. H		
Lincoln	S. H		
Little Giant	S. H		
McCormick-Deering	H		
Minneapolis, 12-25 and 17-30	S. H		
Minneapolis, Other Models	E. H		
Mogul	S. H		
Moline	S. H		

#### KEY

- L.—Polarine Light
- M.—Polarine Medium
- H.—Polarine Heavy
- S.H.—Polarine Special Heavy
- E.H.—Polarine Extra Heavy

N. B.—For recommendations of grades of Polarine to use in automobiles and trucks consult chart at any Standard Oil Company (Indiana) station.



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