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Volume 60 May 6, 1922 Number 18



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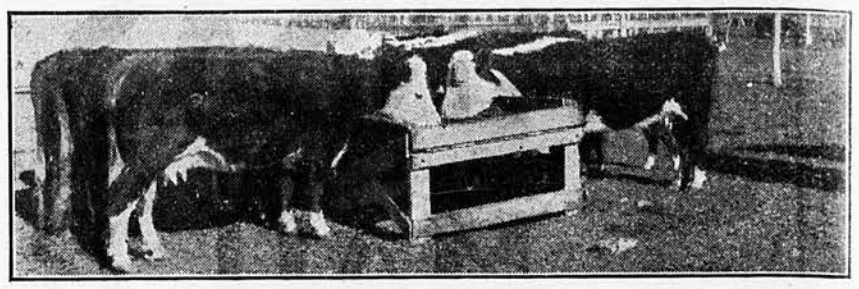
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Ask Your Dealer

Farmers Studied Feed Tests

Experiments Supplied Valuable Data at Hays Round-Up

BY EARLE H. WHITMAN



These Cows Ate Cane Silage, Heads Included, and 2 Pounds of Cottonseed Cake Daily, Showing Third in Condition at Close of Test

PRACTICAL application of the principle of raising livestock on home-grown feeds is being made at the Fort Hays branch of the Kansas Experiment Station. At the tenth Annual Round-Up April 29, farmers of Western Kansas were given an opportunity to study the results of the past year's work.

Three feeding tests were carried on with cattle, one with mature ewes, one with ewe lambs, and a beginning made of a test to determine the influence the age at which heifers calve has on the development of the heifers and their future calf crops. L. C. Aicher, superintendent of the Hays station, is in direct charge of these experiments, with Dr. C. W. McCampbell, head of the department of animal husbandry at Kansas State Agricultural College, supervising the work. With the exception of small quantities of cottonseed cake and linseed meal, all feeds used were produced under average local conditions prevailing in that part of the state.

Straw and Silage Compared

Experiment No. 1 is a continuation of a test begun in December, 1920, to find the relative value of wheat straw and silage as the basis of a winter ration for growing steers. Two lots of steers, one numbering 19 animals and averaging 375.1 pounds, the other numbering 20 and averaging 372.3 pounds, were placed on feed December 21, 1920. Each lot was under test 135 days, one lot receiving a daily ration a head of 11.73 pounds of wheat straw and 1 pound of cottonseed cake, the other getting 21.25 pounds of silage and 1 pound of cake. At the end of the feeding period the steers on wheat straw and cake showed an average gain of 61.7 pounds, while the steers on silage increased an average of 67.1 pounds. Both lots then were pastured 162 days thru the summer of 1921. At the end of the pasture season, the lot which had received straw and cake the previous winter averaged 213 pounds gain, and the lot getting silage and cake during the winter 229.5 pounds.

During the winter of 1921-22, the two lots of steers were fed as follows: Group receiving straw and cake in the winter of 1920-21, 21.61 pounds of sorghum hay and 1 pound of cottonseed cake; second group, 43.10 pounds of sorghum silage and 1 pound of cake. The first group, at the end of the winter feeding period, showed an average gain of 176 pounds; the second group a gain of 150.2 pounds. "But," said Dr. McCampbell, in explaining the results of this test, " we had hard work holding down the gain of the steers receiving silage, as we really preferred to have them go on pasture this year lighter than the other group in order to make all the stronger the result which we believe we shall obtain—proof that steers fed on silage during the winter will do well when put on grass." This test will continue until the fall of 1923.

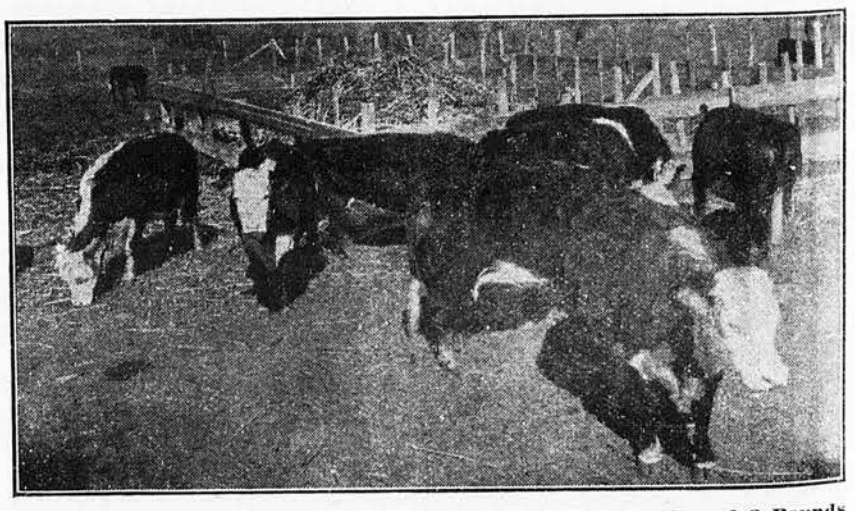
The second experiment was to determine the comparative feeding value of cane with heads on and heads removed, in the silo and in the shock. Forty mature cows, divided into four groups of 10 each, were used in this test. The daily rations were: First group, 30 pounds of cane silage with heads on; second group, 30 pounds of cane silage without heads; third group, 27.8 pounds of cane stover with heads off; fourth group, 27.9 pounds of cane fodder with heads on. All lots received approximately 2 pounds of cottonseed cake for each cow. At the end of the 131-day test, the following gains and losses were shown: Lot on cane silage with heads lost 1.5 pounds on each cow; lot on cane silage without heads lost 82.1 pounds; lot fed cane stover without heads gained 110.57 pounds on each cow; lot on cane fodder with heads gained 141.5 pounds. The amount of feed, based on acre measurement was as follows: First group, .325 acre to each cow; second group, .517 acre; third, .730 acre; fourth, .407 acre.

Protein Needed in Cow's Rations

The feeding value of straw and of silage as the basis of a winter ration for mature cows was the third experiment on which results were announced at the meeting. Five lots of mature cows that produced and suckled calves last summer were used. The lots were fed, respectively, the following rations: Wheat straw alone; wheat straw and alfalfa hay; wheat straw and cane silage; cane silage alone; cane silage and alfalfa hay. The first group received a daily ration for each cow of 24.59 pounds of wheat straw. The ration of the second group was 20.41 pounds of straw and 6.65 pounds of alfalfa hay. The third group was fed 8.64 pounds of straw and 47.71 pounds of cane silage, while the fourth lot got 57.71 pounds of cane silage. The fifth lot received 35.71 pounds of cane silage and 6.58 pounds of alfalfa hay. At the end of the 140-day test the following gains and losses were shown: First group, average loss for each cow 42.2 pounds; second group, 83.7 pounds gain; third group, 110.5 pounds gain; fourth group, 116.7 pounds gain; fifth group, 152.1 pounds gain.

"These results are in the main comparable with those of last year and in-

(Continued on Page 32)



On a Daily Ration of 28 Pounds of Cane Fodder With Heads and 2 Pounds of Cottonseed Cake, These Cows Made Excellent Gains

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May 6, 1922 By Arthur Capper Vol. 60 No. 18

Rough on Manure Spreaders

Warren H. Hunter Wears One Out Every Two Years and That's One Reason Why, Starting as a Renter, He Today is the Owner of 1,200 Fertile Acres

By Ray Yarnell

MANURE spreaders are worn out in two years on the Warren H. Hunter farm which is near Geneseo, Kan.

Either the gears are replaced or a new spreader is purchased every second year. These machines always are kept busy because they have done more than all others in helping him to success, Mr. Hunter declares.

Twenty-one years ago Hunter was a renter, with nothing but his hands and brain as capital. Today he owns 1,200 acres in Rice county. The farm consistently produces greater returns to the acre than many farms in the same locality.

For three years teaching school kept him from the farm. Then Hunter, who was 18 years old, rented a place near Mitchell. He remained there a year and moved to a rough, rocky forty which he purchased, going in debt to put on the improvements.

How He Dodged Loss During Panic

Hunter was on this farm, renting additional acreage, and feeding cattle when the 1897 panic came along. He had a bunch of steers on full feed when prices dropped, and he faced a big loss. Instead of going ahead with his plans Hunter took the steers out of the feed lot and carried them as stockers. The switch enabled him to unload without loss.

A herd of 75 or 80 hogs was following the steers. The price suddenly went to 4 cents a pound. Hunter sold the barrows at the market and kept the sows. The next year hogs sold up to 10 cents a pound and Hunter's pig crop brought in enough to write off his loss on the barrows.

After four years Hunter traded his 40-acre tract for a bunch of cattle and rented three eighties which are included in his present farm. It was then that he started his system of diversified farming which has been followed ever since and which has been so largely responsible for his success.

Feeding cattle was one of the big enterprises on the farm and ranked in importance with the growing of wheat. Hunter developed this end of his business for two reasons. In the first place he felt he knew the game well enough to make a profit on feeding in the average year. Secondly he desired the manure to keep up the fertility of the land on which he was producing wheat. And he figured that if he only broke even on his feeding operations he would still have a good profit out of the fertilizer he obtained.

The extent of his livestock operations may be judged from the fact that in 1919, one of his biggest years, he sold $89,000 worth of livestock of all kinds, of which cattle represented $52,000.

The income from crops and livestock Hunter invested in the land he was renting and gradually added adjoining acreage until he held deeds to 1,200 acres in one body. The farm has three sets of improvements well designed.



Warren H. Hunter of Geneseo and His Farm Home Which He Remodeled and Has Equipped With all the Modern Conveniences

Then the family moved to town with the idea of giving the children a better education. "That is where I made a mistake," said Hunter, "and it took me quite a little while to find it out. Finally I discovered that a town is not the best place to educate children. There is too much to distract their attention from things that are important.

"I thought the situation over with the result that I moved back to the farm. I learned that in a good rural school children can get as much from books as they can in the town school and while that knowledge is important it is not so vital as the things they learn about business and management in the school I conduct on the farm."

Today Hunter farms only 160 acres, renting the remainder of his land. Contracts with tenants provide that a system of crop rotation must be followed and that all manure shall be hauled out on the fields. He encourages every man to keep livestock, especially milk cows, and he urges them to raise Sudan grass for pasture. So far as crops are concerned the renters suit themselves, except that Hunter does not permit them to grow wheat exclusively.

For every stack of straw scattered on the land Hunter gives the renters a $10 bill. They get the cash and they also profit from the increased acre yield the straw makes possible. Hunter also gets his profit from the additional yield and from maintaining the richness of his soil.

No straw is scattered until it has stood in the stack for two years. New straw, Hunter says, will take from instead of adding to the fertility in the soil. Its value is greatest when it is well rotted.

Half of Hunter's wheat land goes thru the winter as stubble and stock cattle are run on it. They are given access to the straw stacks and consume large quantities, tramping the remainder underfoot and mixing it with manure.

Straw Coating for Stubble Land

On this stubble land well-rotted straw is spread in the fall so it will catch all the winter snow and keep the ground moist and in good condition for planting corn in the spring. If sufficient straw is not available to cover the field, the remaining acreage is given a dressing of manure from the feed lots. Manure also is spread on the fields where roughage is produced or on potato and alfalfa ground.

Nearly every day in the winter a manure spreader can be seen on this farm throwing a cascade of fertility out over the soil. These machines are in almost constant use both on the home farm and those that are rented. They pay a big profit to Hunter even tho he has to replace gears every second year.

So far as is possible land that does not receive a coating of straw or manure one year, is treated the next, in order to keep the fertility fairly uniform. Ten to 15 acres of alfalfa are as a rule (Continued on Page 10)

Why I Believe in Pit Silos

By Claude Boulden

IN THE spring of 1915 I decided to make a pit silo. At that time I lived in Kiowa county in the edge of the sand hills so I first dug a round trench 3½ feet deep and as narrow as I could make it with a spade. I then trued it up and poured it full of concrete, using a five to one mixture, and as soon as it got hard I began to dig out the dirt. After I got down about 5 feet I rigged up 16 feet of hay track, took three pieces of timber 2 by 6 by 12 and bolted them together like rafters to support the track and let one end project over the silo. I then cut a barrel into two parts and put bails on each half and used them to haul up the dirt. The bails should be put down almost half way on the tubs so you can clamp them tight.

I dug down until the pit was 10 feet deep, and put in a pipe with an arm on it and trued up the wall. I plastered the pit with three coats totaling 1 inch in thickness of two-and-one cement. I then dug out another 10 feet and plastered this section in the same way as the first. Finally I added another 10 feet but a little space was lost at the bottom each time so that in the end the pit was only 27 feet deep.

Next I got a bundle of metal lath and put a curb 5 feet high around the top and there is not a crack in the whole silo yet. It is 12 feet in diameter. I filled it the first fall with 7 acres of kafir that probably would have made 25 bushels an acre. Just half a day was required to fill it but I found out later the kafir was a little too green when we cut it. I wintered 20 head of cattle on this silage and a small amount of straw and the steers were soon fat enough for beef. I sold several of them to the butcher at different times.

In 1916 I put 12 acres of poor corn into my silo. This corn would have made about 10 bushels an acre if it had been permitted to mature. The silo lacked about 4 feet of being full so I threw a load of straw on top of the silage. This I tramped down thoroly after adding plenty of water. That year I fed about the same amount of stock that I did the year before but got better results from the corn silage. In 1917 the corn got too dry before I could cut it so I filled my silo with weedy feterita that had been killed by frost. I added plenty of water to this mixture and to my surprise it was the best silage I ever had. I had more stock than usual that year and ran out of silage a little before grass was big enough to pasture and I found out then how valuable silage really is as a feed.

During this time I had been hiring cutters to fill the silo and that was not very satisfactory. Finally I bought a 10-horsepower, second hand portable gas engine that had been used to pull a corn sheller and a 13-inch cutter with a short carrier. The engine and cutter cost $180. Then my troubles at filling time were over. I could fill whenever I was ready. In the spring of 1920 I sold the farm and moved on an alfalfa farm but I am sure I can get better results from feeding cattle silage than I can from feeding alfalfa alone.

I don't believe any fodder should be put into the silo until it is mature enough that it will need water. My experience has been that 1 acre in a silo will equal more than 2 acres of dry fodder. When feed was high many said it was too expensive to put such material into a silo but it seemed strange to me to say feed was so high you could not afford to save half of it, for that is what a silo will do.

My silo is 12 by 32 feet and was built when everything was cheaper than now. I used 62 sacks of cement, five loads of sand and one bundle of metal lath which with the hire of the plasterer and some outside labor cost $53.36. Then my hired man and myself worked eight days each so I think at that time $11 would have covered the entire cost on that score and I feel sure that the silo will stand to the end of time unless destroyed.

A pit silo can be made anywhere that the water does not seep in and interfere. Don't think your ground is too sandy as part of mine was so soft that you could shovel it just like wheat without putting your foot on the shovel. With a pit silo you never have any silage frozen to the wall and it will not cost more than half as much to fill as an overground silo. Of course some folks will have a great deal to say about the danger from carbon dioxide gas but only a few cases of this kind have been found authentic.

I have an easy and satisfactory way of getting silage out of the pit. I made a box 2½ feet wide, 2½ feet deep and 2½ feet long at the bottom and sloped at one end so that I could shovel out of it with but little trouble. Then I rigged up a hay carrier and windlass which enabled me to pull out enough silage at one trip to feed 25 head of cattle. I think a silo is a good investment for any farmer.

[Editor's Note — Mr. Boulden now lives on a farm near Lakin, Kan.]

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Passing Comment—*By T. A. McNeal*

ONE of our subscribers in Silesia, Mont., writes me as follows: "I have just read an article in a Kansas paper about a man who pays taxes on a $60,000 farm in Missouri at the rate of $150 a year, and that if he had the farm in Kansas the taxes would be $500 a year. You don't know what taxes are in Kansas. If you had a $60,000 farm in Montana the taxes would be $1,400. If we didn't live in the best country in the world we couldn't do it.

"This state is controlled by the mining interests which do not pay much tax, but they run the elections to suit themselves. We farmers don't count for much. We are, however, getting our eyes opened a little and are organizing. If we had more Senators like Mr. Capper the farmers and the laboring people would get a better show.

"You Kansas people should cheer up. Think of us Montana farmers paying three times as much taxes on our property as you do and remember that we are 1,500 miles from the market at that. By the time the railroads and taxgatherers get thru with us there is not much left.

"Farmers never will get a square deal until they co-operate with labor and cut out all these middlemen and jobbers. It took labor 50 years to learn that they had to co-operate with the farmer. Will it take the farmers 50 years more to find out that they must co-operate with the consumers?"

A great many readers will be surprised to know that taxes are so high in the state of Montana. The fact is, however, that high taxes are not confined to any state. There has been a startling increase in taxes in nearly all of the states of the Union during the last seven or eight years.

The Spineless Cactus

A FEW years ago when Luther Burbank announced that he had been able to breed the thorns off the cactus the world generally scoffed. It seems however that Luther has made good on his new breed of cactus.

It will live and thrive anywhere that the old fashioned cactus will grow and that means that it will grow in the most barren desert. The cactus is a food plant. It produces a fruit that is pleasant to the taste and nutritious. That was known long ago, but no animal could eat a cactus on account of the infernal thorns.

The spineless cactus has been planted in India and has been a boon to the half starved inhabitants. It is proposed now to introduce it into the arid regions of Russia and make it possible for a large population to exist where before it was impossible.

I take off my hat to Luther Burbank, and I regard him as one of the most useful citizens in the world.

Labor Union's Reply

NOT LONG ago I quoted from a letter received from a Missouri subscriber who is evidently strongly prejudiced against Union Labor. I scarcely need to say that I do not agree with Mr. Bailey, the writer of the letter referred to, but it always has been my rule to permit as full expression of opinion as space will permit. Very often subscribers differ from me radically and vigorously as they have an entire right to do.

However, the Trades Unionist, published in this city, thinks that I should permit an answer to Mr. Bailey and this I think is nothing more than fair. Here is the Unionist's reply:

"Some one should let Mr. Bailey know that the labor cost of the article he wears, even at the high (?) wages prevailing, will not average 10 per cent of the sum consumers pay. We refer him to another editorial on this page regarding hose, and would ask him to look into the matter of the labor cost of shoes and textiles and other articles of common consumption, and he will find that he is about 75 per cent wrong in his charges.

"But the main thing that this correspondent overlooks is that the wage earner is the greatest consumer of the farmers' products, and that his consuming power is controlled entirely by his wages. The fact that the products of the farm are low in price is due to two things and two only. One of them is the large toll exacted by the middlemen in handling the products of both the farm and factory, and the other is the low wages paid, as a result of which they can only buy a portion of what they would buy if wages were higher."

The editorial referred to by the Trades Unionist quotes from the testimony given at a recent Senate hearing by a Wisconsin manufacturer showing that the labor cost of a dozen pairs of silk hose is 4 cents, or a third of a cent a pair and this is possible because the manufacturer runs from 20 to 30 of the newest type of knitting machines, making from 80 to 90 dozen pairs daily.

Of course there are many manufactured articles in which the labor cost represents a much higher percentage of the total manufacturing cost than in the case of these knit hose, but after all the consumer is the goat. When he is charged a high price it is explained to him that the reason for this excessive price is the high labor cost while the real truth is that he is paying an excessive profit, or rather two or three or possibly four.

Truthful James

IT LOOKS mighty discouraging to the fruit growers," remarked Truthful James, "just when the prospect was so pleasing and everybody's mouth was watering in anticipation, still it doesn't come up to some seasons I have seen.

"Back in the Seventies there was the worst season for sudden changes I ever saw. One day in May that year I got up in the morning, had to break the ice in the horse trough with an ax before the horses could get a drink.

"I put on my heavy underwear, ear muffs and an overcoat when I went to work. It began to warm up about 7 o'clock and by 11 o'clock it was 98 in the shade. My neighbor Ezra Skinner, was breaking sod with two yoke of oxen. Maybe Ezra was pushing them a little too hard but anyway two of the animals were overcome with the heat and one of 'em died of sunstroke. Ezra was worried a lot but said he supposed there was no help for it and so he unhitched the other oxen while he skinned the one that died from heat. While he was doing the job the wind turned again and a blizzard came ripping along and before Ezra could get the skin off the dead ox another one had frozen to death.

"Meantime I had got so blamed hot in my heavy underwear and other clothes that I went to the house and put on a thin cotton shirt and pair of overalls without any drawers. I hadn't more than made the change and got to work again when that blizzard caught me. Both ears froze before I could get to the house and when I got to the kitchen fire there was an icicle an inch and a half long hanging to the end of my nose.

"Of course it killed all the fruit. Gabe Winters who had quite a lot of fruit trees, such as peach, cherry, apple and pear trees, said that it not only froze all the buds there were on the trees that year but also killed the buds for two years ahead.

"Zeke Sanders, who had a Jersey cow that he was always blowing about, told me that she gave down nothing but ice cream for two days after the blizzard came. There was one settler who came from Tennessee. The next morning after this sudden change he hitched up the covered wagon and started back for the East. Said he didn't want to live in any country where a man could freeze to death and his wife be prostrated with heat all in the same day."

Another Great War Looms

THE noted war correspondent and historian, Frank Simonds, takes a most pessimistic view of the European situation. He has been attending the conference now being held at Genoa, Italy, which seems to have resulted principally in getting Germany and Russia together in a separate treaty and trade agreement. Of course that was not the purpose of the conference, far from it, but that seems to have been the most important thing that has come out of it.

Simonds thinks this means an offensive and defensive alliance between Russia and Germany with the ultimate object of crushing both Poland and France. He sees the forces gathering for the coming storm and if his forecast is well founded it looks bad for France. Both Russia and France are in a bad way just now, but it does not follow that they always will be. Russia has a large population and immense undeveloped resources. Germany has also a large and industrious population. Poland is as nearly bankrupt as either Russia or Germany and without the natural resources of either one.

Hungary, Austria and Bulgaria, all weakened by the findings of the Paris Peace Conference will join hands. Probably, thinks Simonds, Italy will join then.

Our former minister to Germany, James Gerard, seems to agree with Simonds, that another war is in prospect, that the unreasonable demands made on Germany in the Paris Peace Treaty have driven that country into an alliance with Russia; that German officers will train the Russian armies and another war is in prospect with the object of crushing both Poland and France.

Now in all probability both these gentlemen exaggerate the seriousness of the situation. I do not believe that Germany is either ready for another war or that the German people desire another war. However, both of these eminent gentlemen are right this far. The policy pursued at the Paris Peace Conference was calculated to breed further wars. It was the policy of hate and revenge. Not only was more demanded of Germany than it was able to pay, but it was the purpose of those dominating the Paris Peace Conference to crush Germany and keep it crushed.

That was the policy of Bismarck at the close of the Franco-Prussian war. It failed in part because Bismarck underestimated the ability of the French people to pay, and second because the other nations of Europe could not afford to have France crushed. France paid the huge indemnity but that policy bred distrust and hatred and eventually resulted in the Great World War.

The policy pursued at Paris was the same in spirit as that pursued by Bismarck and it too will fail. It will eventually lead to war unless it is modified. Europe will stand another great war. The so-called civilization of that continent will go down and on its ruins will be erected another civilization.

An Important Bulletin

A FEW days ago I received the following letter from a subscriber down in the central part of the state: "I had a farm sale yesterday and sold some high grade Holstein milk cows.

"We had a speculator there who asked me whether I was selling them subject to the tuberculin test and I told him no. He said I'd have to do this, as there was a law to that effect. I informed him that I was a law abiding citizen, but was not selling these subject to any test. Can he come back on me if he tests them and any of them react?"

This seemed to me to be a matter of so much importance that I referred the letter of the subscriber to J. H. Mercer, State Livestock Sanitary Commissioner and he sends me Bulletin No. 15, containing the regulations providing for the tuberculin test of dairy cattle sold at public sales and also providing for a retest guarantee under certain conditions.

The rules laid down in this bulletin are as follows:

Rule 1.—It is hereby ordered that cattle to be used for dairy purposes, except those from herds under state and federal supervision, must be sold at public sales with a tuberculin test record showing that the animals have been tuberculin tested by an accredited state or federal veterinarian not more than ninety days previous to date of sale.

Rule 2.—It is further ordered that cattle to be used for dairy purposes, cannot be sold at private or public sales except under a tuberculin retest guarantee. The tuberculin retest must be applied by a veterinarian holding a commission from the State Livestock Sanitary Commissioner, or a veterinary inspector of the Bureau of Animal Industry, United States Department of Agriculture. The retest must be applied at a date not less than sixty days nor more than ninety days after the sale of said cattle.

In case reactors are found, if said reactors originate outside the state, they are either to be returned to the owner at point of origin, in line with Federal Regulation No. 7, or disposed of for immediate slaughter under the direction of the State Livestock Sanitary Commissioner, without appraisement. In case reactors are found originating within the state, they must be returned to the original owner for final disposition under the direction of the State Livestock Sanitary Commissioner.

Rule 3.—In line with the following resolution, adopted by the Holstein-Friesian Association of Kansas at their meeting held in March, 1920.

"Resolved, That the Holstein-Friesian Association of Kansas respectfully requests the State Livestock Sanitary Commissioner of Kansas to make a ruling that all cattle to be offered for sale at public sales be tuberculin tested by some veterinarian other than the owner of the cattle"—

It is hereby ordered, to avoid any difficulty, that

owners having their cattle tested under the provisions of these rules for public or private sales must secure the services of an accredited veterinarian not financially interested in the cattle.

Rule 4.—Any person violating the provisions of the foregoing rules and regulations is subject to the pains and penalties of the following law:

Section 24, Chapter 495, Laws of 1905.—"Any person who shall violate, disregard or evade, or attempt to violate, disregard or evade, any of the rules, regulations, orders or directions of the Live-stock Sanitary Commissioner establishing and governing quarantine shall be deemed guilty of a misdemeanor, and be fined in any sum not less than $100 nor more than $5,000."

These rules and regulations shall take effect and be in force on and after April 1, 1922.

J. H. MERCER.
State Livestock Sanitary Commissioner.

Done at Topeka, this 20th day of March, 1922.

Millions for Reclamation

THE appropriation of 350 million dollars for reclamation is urged by President Harding. That means the development of irrigation projects, the reclamation of swamp lands and the putting into cultivation of cut-over timber lands.

I have no idea as to how many persons could be sustained in comfort on the land that would be brought under cultivation by the wise expenditure of this amount of money but I have no doubt 10 million would be a conservative estimate.

Along with the development of production must go a far better and cheaper system of distribution. It will be of little benefit to produce a surplus of food if left to go to waste after it is produced because it cannot be distributed to the places where it is needed on account of prohibitive freight rates.

The producer and consumer must somehow be brought together. The producer must get an average of more than 30 cents out of the dollar his produce costs the ultimate consumer, I am interested greatly in seeing the waste places made fruitful but the plan of development will certainly fail unless the problem of distribution can be solved.

The Best Fodder Crops

I WISH to say a few words to my brother farmers on the merit of the fodder crops, especially feterita," writes H. K. Baker of Independence. "For two years now I have plowed up stubble, harrowed the ground thoroly, planted with a drill planter and before frost headed the crop for chicken feed and then cut and shocked the stalks. I have finished feeding my 3-acre field, and my cows are inconsolable.

"Feterita fodder beats corn fodder or the kaffirs. The next best fodder is darso. It yields well. I plant reasonably early, usually before June. I like to double list, making the distance between the rows the exact width of the planter. Before the planter I use the garden five-toothed cultivator reducing it to a 10 inch width, then drill, covering the seed lightly, tend well and just as the seed is maturing cut the crop with a corn binder and put the stalks into small shocks and tie securely. Crows and blackbirds will not bother it. Cut off the heads for chickens or horses and grind for cows. Livestock will eat nearly all the fodder.

"I am not friendly to the silo.

"I wish someone would tell what's wrong with shredding feterita, darso and good corn fodder about December, blowing it into the barn, then let the milk maid throw down the feed while I howl about profiteers."

Just Getting to It?

A FEW days ago the Associated Press sent out the following dispatch:

"Syracuse—The Syracuse Common Council voted to repeal the daylight saving ordinance here. The vote against tinkering with the hands of the clock was 13 to 3. The issue aroused considerable controversy.

"Auburn, Geneva and Ogdensburg have taken similar action and a referendum at Cortland instructed the council to repeal the ordinance. Ithaca and Oswego are soon to take action."

This sounds peculiar, doesn't it? Kansas dropped that daylight saving foolishness so long ago that some of the younger generation do not recall that there ever was such a law in existence.

As a matter of fact Kansas never was for the "Daylight Savings" law and it was largely thru the efforts of the Kansas delegation led by Senator Capper that the law was repealed by Congress.

Farmers' Service Corner

READERS of the Kansas Farmer and Mail and Breeze who desire to have legal advice or who wish to make inquiries on general matters may receive whatever service we can render in this way free of charge, but the limited size of our paper at present will not make it possible to publish all of the replies.

Provisions of Bankruptcy Law

1.—Please print the bankruptcy law and explanation of the same, especially so far as it concerns mortgaged property which one may own. 2.—Will the securities or mortgaged notes have to stand any of the brunt of bankruptcy with the owner of said property? L. S. H.

Space will not permit printing the entire bankruptcy law. I have on several occasions given a summary of this law. There are two kinds of bankruptcy—one is voluntary and the other is involuntary. Voluntary bankruptcy is where the individual, firm, or corporation voluntarily goes into the bankruptcy court and asks to be declared a bankrupt. Involuntary bankruptcy is where an individual, firm, or corporation is required on the complaint of some other party to go thru bankruptcy. In either case the assets of the individual, firm, or corporation must be listed and also the indebtedness must be listed and to whom the debts are owed.

The individual is permitted by the bankruptcy court to retain all the property which is exempt under the law of the state in which he lives. After deducting the exemptions whatever property he may have is then applied to the payment of his debts and after such distribution is made he is declared a bankrupt and is not subject to execution on these debts which have been listed in the bankruptcy court.

If his property is mortgaged, going thru bankruptcy does not in any way affect the mortgage. The property would be subjected first to the payment of the mortgage note and then if there was any remainder, if it is exempt property, it would go to the bankrupt and if it is not exempt property, it would be distributed among the creditors just as any other property is distributed.

School District Transfers

We are 4 miles from school in one district and 2½ miles from another school. How can we get our land transferred into the school district which is most convenient to us? S. V. L.

Take the matter up with the county superintendent of public instruction.

Who Owns the Stalks

A owns land a part of which he rents to be cultivated in corn and alfalfa. B rents this corn ground and gives two-thirds of the corn delivered. There was nothing said about the stalks. Would B be entitled to sell the stalks for pasture? Would B be entitled to put a partition fence between the stalks and the alfalfa by removing the fence on March 1? V. E. N.

As I understand this case A (the owner of the land) simply rented some of the ground for crop rent and when the corn is gathered and the landlord's share delivered, according to the contract, the rental ends. At the end of the crop season the rental period ends and B would not have the right to sell these stalks for pasture or to pasture them himself.

Not having the right to either sell the stalks or pasture the same, I am of the opinion that B would not have the right to build such a fence.

A Contract for a Deed

In 1920 we purchased 100 acres of land for $1,000. Instead of a mortgage we have a contract. We paid one-half down. This contract calls for a warranty deed when we have paid $1,000. We got no abstract when we bought. Will it come with the deed or should we have gotten that when we made our first payment? H. C.

The abstract should be given when the final payment is made and the deed precluded.

When Security is Insufficient

A buys an automobile from B, pays part cash and gives note for balance with car for security. When the note is due A cannot pay and B takes car. If B sells the car for less than the amount of the note can B get judgment or collect the balance from A? In other words, does A owe B anything on this deal? A. W. B.

The car is merely a security for the note and if it does not sell for enough to pay the note the holder of the note would be entitled to a judgment for the balance.

Dancing on Saturday Night

Is it against the law to dance on Saturday night? There are a few in this neighborhood who threaten to have us arrested. The dancers are quiet. There is no rough talk or fights. W. E.

So long as these dances are conducted in an orderly manner they are entirely within the law.

Co-operation is The Only Remedy

From Senator Capper's Address to the National League of Women Voters at Baltimore

RECENTLY Senator Capper was invited to discuss the question of reducing the cost of living before the National League of Women Voters at Baltimore. In the course of his remarks he pointed to the wonderful results achieved by co-operative marketing in California and in Denmark, as answering the question. Extracts from his address follow:

"I have long been convinced we should have the full participation of American women in our efforts at solving public questions, for women and the home and family are more deeply affected by their solution, than is man alone. Woman is the real conservator of human welfare. The big fact is that national welfare depends on home welfare and that we cannot have the one without the other. We cannot have good living conditions without efficient production and distribution. We cannot have them without fair prices and honest markets. When we fail to maintain such conditions the whole country suffers.

"For years under our present system, the big market centers have absorbed much more than a reasonable share of the value of all agricultural products. First the farmer is "trimmed," then the consumer. The process tends to restrict consumption and to lower production.

"Usually the most a farmer gets for his stuff is about 30 per cent of the price that the consumer is charged for it. It is costing far too much to do business in this country, to deliver the consumer his goods.

"The best way to mend the present situation and provide for the future it seems to me is to increase the producer's profit by shortening the road to market. This I have great hope we shall accomplish thru the recently enacted Capper-Volstead Co-operative Marketing law which gives farmers for the first time an unclouded right to organize for the sale and distribution of their own products.

"It may surprise you to know that the one genuinely prosperous nation in the world today, is in Europe. It is little Denmark, the world's only co-operative commonwealth, a most significant and highly encouraging fact. It shows that we are on the right road in making it possible for the farmers of this country to develop a system of co-operative marketing.

"Denmark is an agricultural country with what in its natural state, our farmers would consider a rather poor soil. About 50 years ago the competition of American and South American products brought the farmers of Denmark to the verge of ruin. The result was a peaceful revolution, the breaking up of large farms into small farms, the extinction of tenant-farming in favor of farm ownership, the elimination of unnecessary middlemen thru co-operative buying and co-operative marketing and with it a standardizing of products.

"In this country the cost of distribution is approximately 70 cents on the dollar against a cost of less than 10 cents on the dollar in co-operative Denmark.

"There are 521 co-operative savings banks in Denmark and the farmers are financed by efficient co-operative credit unions. But the great outstanding fact of all, to me, is the fact that the only truly prosperous nation on the globe today is a nation conducted by farmers on the co-operative plan. That is a highly instructive, most significant fact for us to ponder over.

"The best indication of what co-operative marketing will do in this country for the consumer as well as for the producer, comes from California, where by means of co-operation the cost of distributing fruit from the producer to the wholesale trade, exclusive of freight, has been reduced from 15 per cent to 2⅓ per cent, including the cost of a national advertising campaign. The dependable products supplied by these co-operative organizations has made it possible for the wholesale and retail trade to sell these fruits at gross margins not much in excess of those the wholesaler and retailer add to the sale of non-perishable foodstuffs.

In 1921 the co-operative method of selling saved these California fruit industries from the collapse which overtook the agricultural industry and other industries. By this means most California fruit growers received prices for their crops in 1921 that returned more than the cost of production. Not only did the producers get back their cost of production, but the trade made fair profits and the steadily sustained demand for California fruits proves the consumer is pleased with his share of these benefits and is responding with a larger consumption. These California organizations have eliminated the unnecessary speculation that is constantly taking toll from producer and consumer under our present system.

"There are all sorts of opportunities before us in the United States awaiting co-operative endeavor but it may take us 10 years to profit by them generally. Still, I hope for a speedy development of this movement, now that the great obstacle has been removed from the pathway of farmer co-operative enterprise.

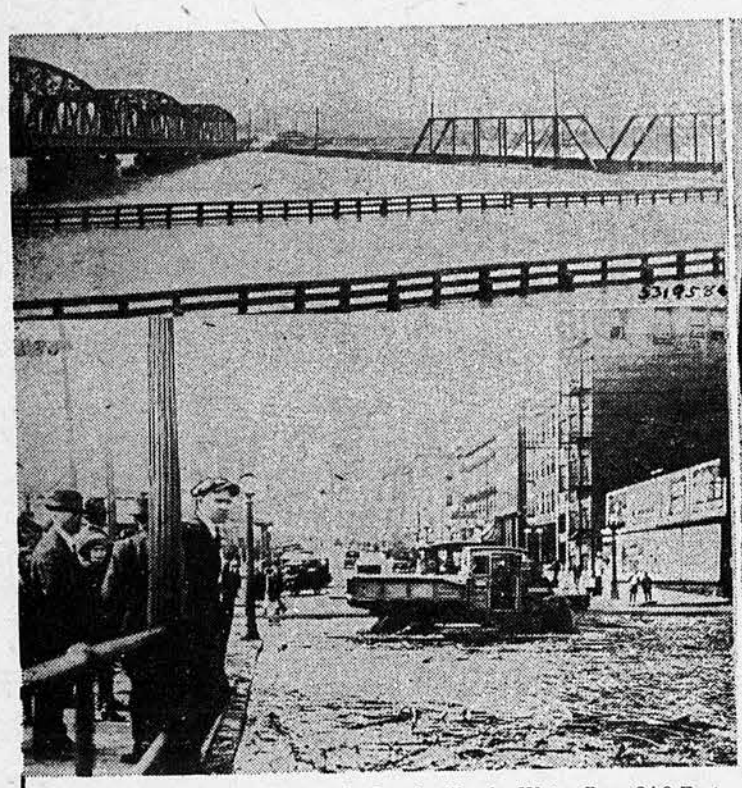
"The solution for all our cost-of-living problems, it seems to me, centers in just four things: A more direct and economical marketing system, an efficient distributing system, and a sane but vigilant oversight of trusts and credit. But I am inclined to think that the greatest measure of relief to agriculture and of direct benefit to the consumer, will come thru farmer co-operative organizations and co-operative marketing.

"I believe that for the next quarter-century the outstanding policy of this Nation should be the carrying out of a great constructive program for the upbuilding of its farm and livestock industry. The farm bloc has such a program well started in Congress. If all its measures are enacted, they will lay a broad foundation on what may be erected the world's best and most enduring system of agriculture. That would mean the upbuilding of what would be the world's most enduring and most widespread and genuine national prosperity.

"The United States is upon the eve of a greater and more efficient development of transportation by means of the waterway, the airline, the highway motor truck, as well as the railroads. The rapid increase of our population, with more than a million additional mouths to feed every year proves that we shall need all these agencies in the great business of supplying the needs of the people. This development must be helped and encouraged and must be buttressed with other measures that will build up a newer and stronger national stability. By all means, as good American citizens, let us resolve to give every such measure our enthusiastic and earnest support without any reservations."

KANSAS STATE AGRICULTURAL COLLEGE MAY 6

News of the World in Pictures



Two Views of Flooded District in Peoria, Ill.; the Water Rose 24.8 Feet Above Low Water Mark, the Highest Ever Known.



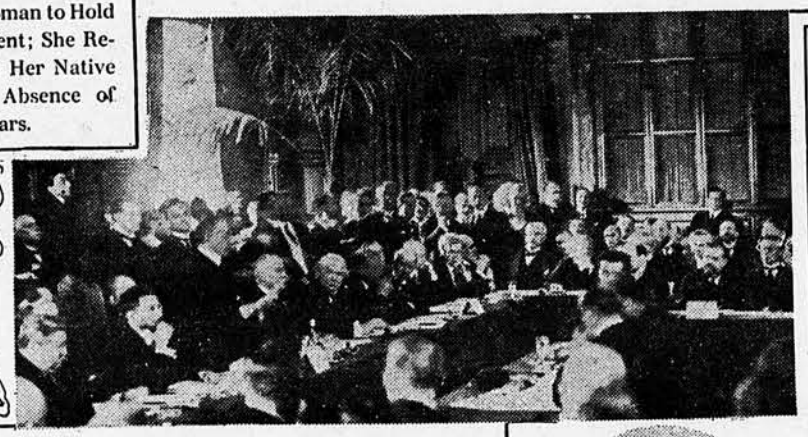
Women of America Welcome Lady Astor and Her Husband; She is the First Woman to Hold a Seat in Parliament; She Returns to America, Her Native Land, After an Absence of Eight Years.



His Majesty, Ahmed Fuad, the New King of Egypt; He is Seated in the Conservatory of the Beautiful Abdin Palace at Cairo.



The Allied Debt Commission Negotiates Funding of 11 Billion Dollar Debt Owed Us by Allied Nations.



The Genoa International Conference in Session; Lloyd George at the Center of the Long Table is Listening to Luigi Facta, Chairman of the Meeting.



Chauncey M. Depew, America's Most Celebrated After Dinner Speaker; He Recently Celebrated His 88th Birthday and is Still Hale and Hearty.



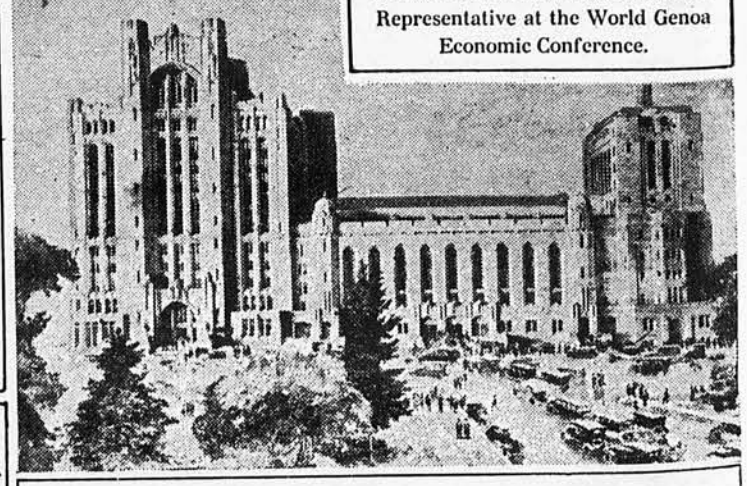


Richard Washburn Child, American Ambassador at Rome and Unofficial Representative at the World Genoa Economic Conference.



Huge French Goliath Airplane Collides With English Airplane Near Beauvais, France; Six Persons Including Bruce Yale and Wife of New York Were Killed.

Last Pay Collected by Wives and Relatives of Striking Coal Miners; This Scene is at One of the Mines in Wilkes Barre, Pa.; It May be the Last Pay Envelope for Some Time.



Beautiful Masonic Temple Under Construction at Detroit; It Will be Completed in Three Years; This Building Will Cost 5 Million Dollars.

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Dance Hall is His Dairy Barn

R. P. McPherson of McPherson, Pastor of the Christian Church, in Four Years Turned a Summer Resort Into a Profitable Farm Enterprise

By John R. Lenray

A DANCE hall where rag and jazz once intrigued the toes of McPherson youths, today is doing duty as a dairy barn. A preacher worked the transformation and now runs the herd and he is prospering both in things material and in health.

Four years ago a physician told R. P. McPherson, pastor of the Christian church in McPherson, that he had about six weeks to live. His condition was the result of a nervous breakdown. The only hope held out was that he might live longer if he stopped preaching, got out of doors and took a complete rest.

Starts Without a Dollar

McPherson didn't have any capital or income to meet his living expenses. On the edge of town there was a sort of summer resort on 8 acres. On an island in the center of a circle lake was a large dance pavilion and along the shore was a long house cut up into dressing rooms for bathers. It was not a paying proposition and was for sale at a regular bargain price.

Friends of Mr. McPherson offered to buy it and allow him to repay them as he could by milking cows and growing a garden. The deal was made and one cow was bought. For the first three months Mr. McPherson rested. He milked the cow and cared for a small garden and 50 hens. Health began to return, thanks to the outdoor living. A second cow was bought.

Then a local physician offered to purchase a good cow for McPherson and to buy milk from him until the animal was paid for. That formed the nucleus of the present McPherson herd of grades, which numbers 18 head.

Milk was retailed in town, delivery being made in a cart. Gradually other cows, all grades but of various breeds, were added and the business expanded. Today McPherson retails a large part of the milk consumed in his town, buys 40 gallons a day from farmers to supply his trade with cream and butter, and makes cottage cheese for a selected list of customers who desire it regularly.

In three months his income from his business totaled $3,000 and averaged $800 a month the rest of the year, making a total gross of $10,200. That includes returns from the milk he purchased from other farmers, income from hogs, chickens and his garden. His expenses are heavy as all feed is bought, outside labor is employed and the cost of delivery is fairly high. Mr. McPherson estimated his net income from his place last year at $3,000.

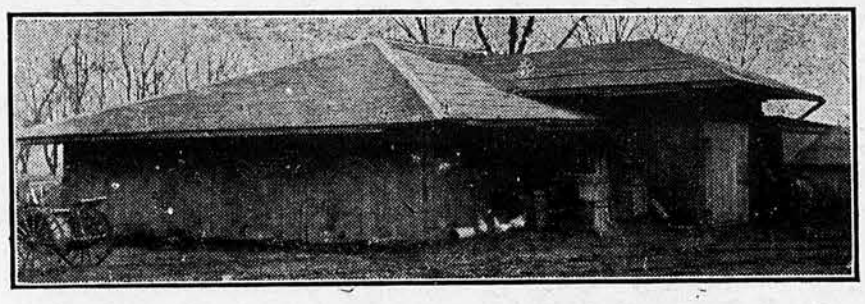
When McPherson, his cow and his hens, moved out to the summer resort and started his fight for health, he began figuring how to utilize the buildings there. He needed a barn. It struck him as appropriate that the dance pavilion should house his cows so he moved it from the island in sections and set it up near his house.

The old band stand now holds a part of his hay and near it is a large grain box in which feed is stored. Cement has replaced the waxed floor on which the toddle once was toddled and the bunny hug was hugged. Along two sides stalls are arranged, the cattle facing toward the center of the barn to make the task of feeding easier.

Wooden stanchions, home made, are used. A rope, fastened to every one of the movable bars which hold the cows in place, when pulled tight and looped over a heavy iron staple in the end of the stanchion locks the bars firmly in position. All the cows can be released by loosening the rope.

McPherson knocked the partitions out of the dressing rooms in the bathing house and turned it into an excellent poultry house. It has a south exposure and plenty of windows to give ventilation.

Now this dairyman is planning to erect a cement milk house, equipped with good machinery for handling milk, cream and butter and hopes soon to build an addition to his dance hall barn to take care of his growing herd and to afford room for housing hay.



This Old Dance Hall, Bought by a Preacher, is Redeeming Its Past by Rendering Excellent Service as a Home for Dairy Cows

Holstein Herd Sire Worth $10,000

McPherson owns a purebred Holstein bull out of a sire that sold for $19,000. He is firmly convinced of the value of breeding up his grades and increasing production.

The herd is dry-fed the year around as McPherson has no pasture. He feeds about 40 pounds of alfalfa hay a day and from 8 to 10 pounds in two feedings of a grain mixture of barley, corn chop, bran, oats and shorts in various combinations depending on the season. Barley usually is fed mostly during the winter months. It has proved an excellent feed, Mr. McPherson declares, one of the best he has ever tried.

All the cows are tested for tuberculosis, and the milk bought outside must come from cows which pass the same test. McPherson is proud of the quality of his dairy products and guarantees all of his milk to his customers.

Blown Into a Modern Home

The Cyclone of 1917, Which Whirled Away the Old Home of O. D. Hotchkiss, Was the Means of Bringing a New and Up-to-date House to the Farm

By Frank A. Meckel

FIVE years ago this spring, O. D. Hotchkiss, of Shawnee county had a run of tough luck. Today he has good reason to bless a little of the tough luck that he cussed five years ago. The ill wind that blew him out of house and home in June 1917 blew him into a new and improved modern home that he might never have had otherwise.

Cyclones never are pleasant, and seldom can one trace any good in their wake. So thought Hotchkiss as he lay in a little excavation with his family that evening in June five years ago, the same day that several million American boys were registering for the draft.

Thought He Was Ruined

While he was lying there in his shallow shelter, the only one he could find on the farm, and saw little nicknacks such as a motor truck, grain binder, hay rake, corn cultivator and wagon pass right over his head and blow to Gehenna, he had good reason to think he was ruined. The blow lasted about five minutes and when he crawled out of that uncovered hole, ruin stared him in the face. Four of his good mules were stretched out dead. Not a building was left on the place. His nice apple orchard, which had produced fruit that had taken $84 in premiums at the state fair the fall previous, was uprooted and blown away even to the last tree. His machinery was reduced to a few tangled masses of twisted steel and splinters and scattered all over a section of land, and his house and all his belongings were gone along with the rest. Certainly, it was a case of the tail going with the hide. Nothing was left. His farm happened to lie directly in the center of the cyclone's path, and the forces of nature seemed to have conspired against him.

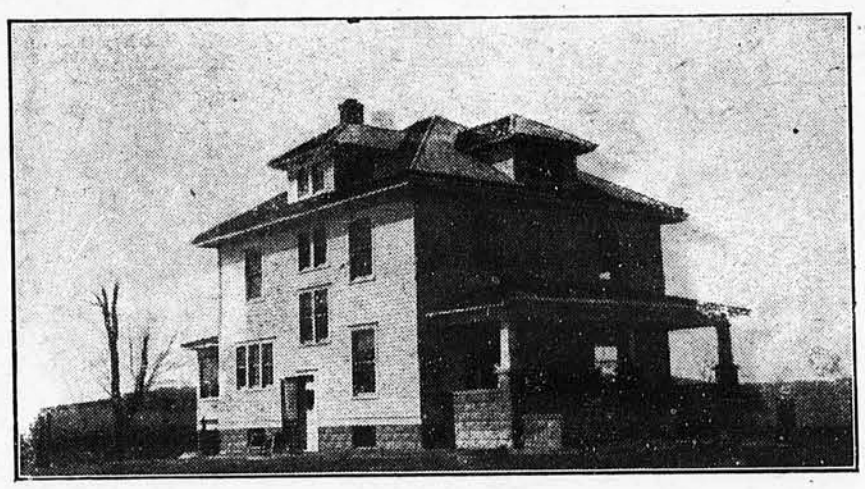
It was enough to have discouraged anyone, but it didn't discourage Hotchkiss. He was able to collect a little insurance on his dead mules and a few other things that were destroyed, and by fall, he had built a new home. Hotchkiss says that the old house was inferior in every way to the new one except that the old one was surrounded by a splendid grove of maple trees that were blown away. The new home, however, is well worth what it cost and more. It is modern in every respect. It is equipped with a furnace, running water, electric lights, a bath room, and a septic tank sewage disposal plant.

The power for pumping water and generating electricity is provided by a 6-horse-power engine that stands outside under the back porch. A line shaft runs thru the foundation wall and belt pulleys on this shaft are belted to the water pump, power washer, and electric generator. There is another pulley outside that is used to run a feed grinder.

Situated in the valley as Hotchkiss is, he can strike water anywhere at a depth of 18 feet. He has his well driven right in the basement. Water is forced into a pressure tank also in the basement from which it is sent under pressure to any faucet in the house. The electric plant is a two-unit affair, and while it has been satisfactory so far as lighting is concerned, Hotchkiss says that if he ever bought another plant it would be a single unit plant.

The furnace is a large, hot air type and will burn either wood or coal. The fire pot is nearly 5 feet deep permitting the use of large sticks of wood. A hot water coil inside the furnace and a tank outside are the means of furnishing hot running water whenever the furnace is going. Fittings have been made for a kerosene water heater that can be used for heating water during the summer months when the furnace is idle.

The entire cost of the water system, plumbing, electric light plant and all fixtures was about $1,100 and Hotchkiss says that they are well worth the money. He prizes the water system above all else, but says that anyone who puts in a water system might as well have the lights. They can be installed for just a little more money, and they are more than worth the extra expense. The upkeep is very low and the comfort and convenience derived are of inestimable value.



Modern Farm Homes Such as This One on the Hotchkiss Farm are Bringing Health, Comfort and Convenience to Farm Folks Everywhere

A Blessing in Disguise

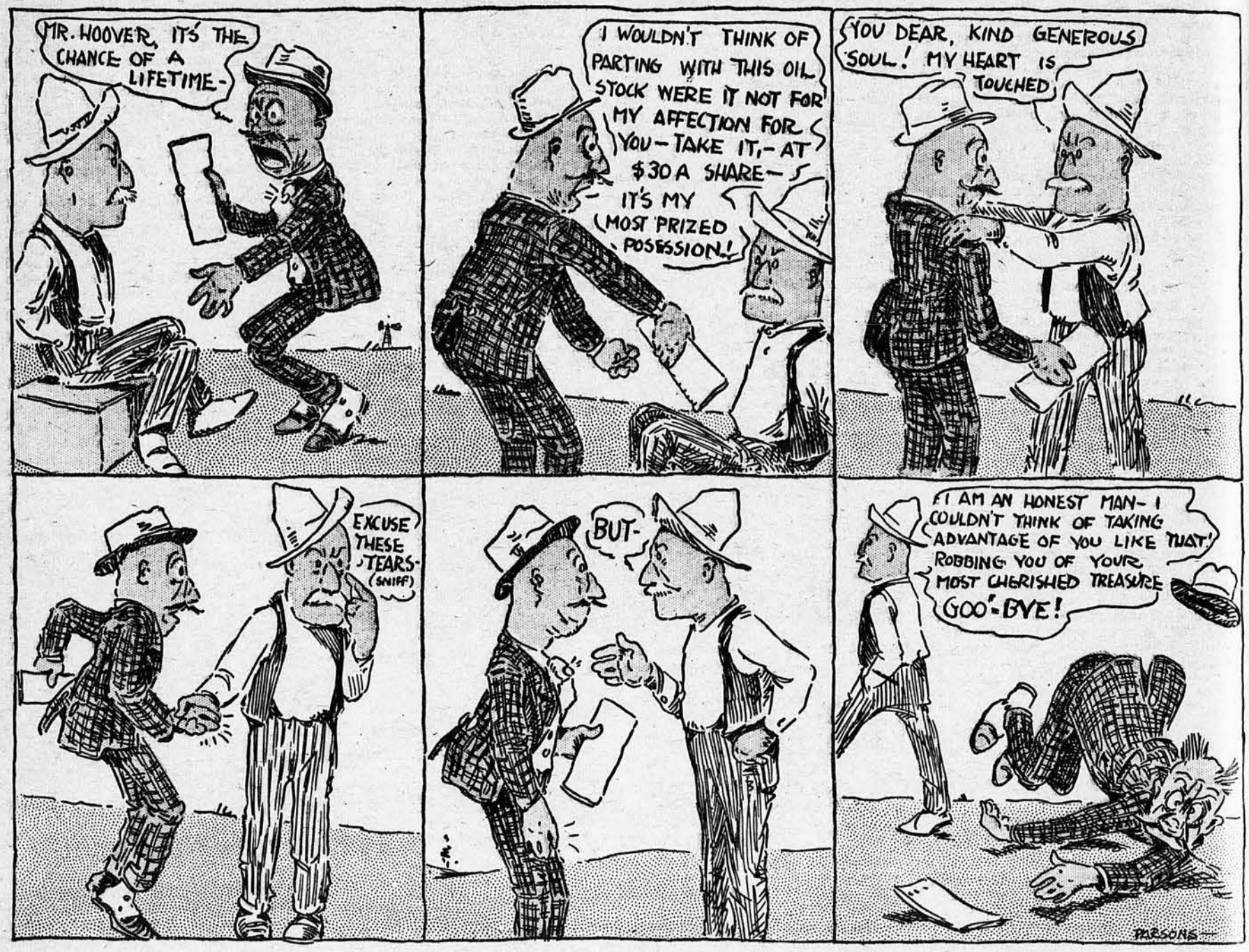
How often we find that some of our troubles are blessings in disguise. It may be putting it strong to say that the cyclone of 1917 was a blessing to Hotchkiss, but it certainly was not half as ruinous as he first thought. But for that cyclone, the family would still have been worrying along in their old house without any conveniences or comforts. As it is, they are now comfortable and have no doubt added years to their lives. It all goes to show that things are not always as black as they seem and that the clouds that look the most threatening often have the brightest linings when they are just turned inside out for inspection.

If cyclones would produce new and modern homes in their wakes, we would be almost inclined to be in favor of a few more cyclones, but destruction should not be necessary in order that construction should take place.

The best part about a modern farm home as I have found it is the enthusiasm with which the folks who live in that home will talk about it. They would never have believed that they could ever derive so much comfort out of a modern place in which to live, but it is the same everywhere. Wherever you find a man, woman or child on a farm that has a modernized house, you will find them enthusiastic. Only by trying it out do they seem to be convinced that the home after all is the important part of the farm.

The Adventures of the Hoovers

The Soothing Words of the Oil Salesman Touched Hoover's Heart, But He was Too Honest to Take a Mean Advantage of a Benefactor



The Indian Drum

By WILLIAM MacHARG and EDWIN BALMER

A Story of the Adventures of Alan Conrad of Blue Rapids, Kan., on the Great Lakes

(Copyright by Edwin Balmer)

LOOKING thru the front doors of her car as it turned into Astor Street, she saw a young man, carrying a doctor's case, run up the steps of Corvet's house. This strange incident since she had just talked with Alan, added to her alarm; she put her hand on the catch of the door and opened it a little so as to be ready to leave the car as soon as it stopped. As the car drew to the curb, she sprang out, and stopped only long enough to tell the chauffeur to be attentive and to wait ready to come into the house, if he was called.

The man with the bag—Constance recognized him as a young doctor who was starting in practice in the neighborhood—was just being admitted as she and her maid reached the steps. Alan stood holding the door open and yet blocking entrance when she came up. The sight of him told her that it was not physical hurt that happened to him, but his face showed her there had been basis for her fright.

"You must not come in!" he denied her; but she followed the doctor so that Alan could not close the door upon her. He yielded then, and she and her maid went on into the hall.

She started as she saw the figure upon the couch in the library, and as the sound of its heavy breathing reached her; and the wild fancy which had come to her when the servants had told her of what was going on was banished instantly.

Alan led her into the room across from the library.

"You shouldn't have come in," he said. "I shouldn't have let you in; but—you saw him."

"Yes."

"Do you know him?"

"Know him?" She shook her head.

"I mean, you've never seen him before?"

"No."

"His name is Luke—he speaks of himself by that name. Did you ever hear my father mention a man named Luke?"

"No; never."

Luke's voice cut suddenly their conversation; the doctor probably had given him some stimulant.

"Where'sh Ben Corvet?" Luke demanded arrogantly of the doctor. "You go get Ben Corvet! Tell Ben Corvet I want drink right away. Tell Ben Corvet I want my thousan' dollar * * * !"

Constance turned swiftly to her maid. "Go out to the car and wait for me," she commanded.

Luke's muffled, heavy voice went on; moments while he fought for breath interrupted it.

"You hear me, you damn Injin! * * * You go tell Ben Corvet I want my thousan' dollars, or I make it two nex' time! You hear me; you go tell Ben Corvet * * * You let me go, you damn Injin!" * * *

Thru the doorway to the library they could see the doctor force Luke back upon the couch; Luke fought him furiously; then, suddenly as he had stirred to strength and fury, Luke collapsed again. His voice went on a moment more, rapidly growing weaker:

"You tell Ben Corvet I want my money, or I'll tell. He knows what I'll tell * * * You don't know, you Injin devil. * * * Ben Corvet knows, and I know. * * * Tell him I'll tell * * * I'll tell * * *I'll tell!" The threatening voice stopped suddenly.

A Case of Blackmail

Constance, very pale, again faced Alan. "Of course, I understand," she said. "Uncle Benny has been paying blackmail to this man. For years, perhaps * * *" She repeated the word after an instant, in a frightened voice, "Blackmail!"

"Won't you please go, Miss Sherrill?" Alan urged her. "It was good of you to come; but you mustn't stay now. He's—he's dying, of course."

She seated herself upon a chair. "I'm going to stay with you," she said simply. It was not, she knew, to share the waiting for the man in the next room to die; in that, of itself, there could be nothing for him to feel. It was to be with him while realization which had come to her was settling upon him too—realization of what this meant to him. He was realizing that, she thought; he had realized it; it made him, at moments, forget her while listening for sounds from the other room, he paced back and forth beside the table or stood staring away, clinging to the portieres. He left her presently, and went across the hall to the doctor. The man on the couch had stirred as tho to start up again; the voice began once more, but now its words were wholly indistinguishable, meaningless, incoherent. They stopped and Luke lay still; the doctor—Alan was helping him now—arranged a quite inert form upon the couch. The doctor bent over him.

"Is he dead?" Constance heard Alan ask.

"Not yet," the doctor answered; "but it won't be long, now."

"There's nothing you can do for him?"

The doctor shook his head.

"There's nothing you can do to make him talk—bring him to himself enough so that he will tell what he keeps threatening to tell?"

The doctor shrugged. "How many times, do you suppose, he's been drunk and still not told? Concealment is his established habit now. It's an inhibition; even in wandering, he stops short of actually telling anything."

"He came here—" Alan told briefly to the doctor the circumstances of the man's coming. The doctor moved back from the couch to a chair and sat down.

"I'll wait, of course," he said, "until it's over. He seemed to want to say something else, and after a moment he came out of it. "You needn't be afraid of my talking outside * * * professional secrecy, of course."

Alan came back to Constance. Outside, the gray of dusk was spreading, and within the house it had grown dark; Constance heard the doctor turn on a light, and the shadowy glow of a desk lamp came from the library. Alan walked to and fro with uneven steps; he did not speak to her, nor she to him. It was quiet in the library; she could not even hear Luke's breathing now. Then she heard the doctor moving; Alan went to the light and switched it on, as the doctor came out to them.

What the Law Says

"It's over," he said to Alan. "There's a law covers these cases; you may not be familiar with it. I'll make out the death certificate—pneumonia and a weak heart with alcoholism. But the police have to be notified at once; you have no choice as to that. I'll look after those things for you, if you want."

"Thank you; if you will." Alan went with the doctor to the door and saw him drive away. Returning, he drew the library portieres; then, coming back to Constance, he picked up her muff and collar from the chair where she had thrown them, and held them out to her.

"You'll go now, Miss Sherrill," he said. "Indeed, you mustn't stay here—your car's still waiting, and—you mustn't stay here * * * in this house!"

He was standing, waiting to open the door for her, almost where he had halted on that morning, a few weeks ago, when he had first come to the house in answer to Benjamin Corvet's summons; and she was where she had stood to receive him. Memory of how he had looked then—eager, trembling a little with excitement, expecting only to find his father and happiness—came to her; and as it contrasted with the way she saw him now, she choked queerly as she tried to speak. He was very white, but quite controlled; lines not upon his face before had come there.

"Won't you come over home with me," she said, "and wait for father there till we can think this thing out together?"

Her sweetness almost broke him down. "This * * * together! Think this out! Oh, it's plain enough, isn't it? For years—for as long as Wassaquam has been here, my father has been seeing that man and paying blackmail to him twice a year, at least! He lived in that man's power. He kept money in the house for him always! It wasn't anything imaginary that hung over my father—or anything created in his own mind. It was something real—real; it was disgrace—disgrace and worse—something he deserved; and that he fought with blackmail money, like a coward! Dishonor—cowardice—blackmail!"

She drew a little nearer to him.

"You didn't want me to know," she said. "You tried to put me off when I called you on the telephone; and—when I came here, you wanted me to go away before I heard. Why didn't you want me to know? If he was your father, wasn't he our—friend? Mine and my father's? You must let us help you."

As he approached he had drawn back from her. "No; this is mine!" he denied her. "Not yours or your father's. You have nothing to do with this. Didn't he try in little cowardly ways to keep you out of it? But he couldn't do that; your friendship meant too much to him; he couldn't keep away from you. But I can—I can do that! You must go out of this house; you must never come in here again!"

Her eyes filled, as she watched him; never had she liked him so much as now, as he moved to open the door for her.

"I thought," he said almost wistfully, "it seemed to me that, whatever he had done, it must have been mostly against me. His leaving everything to me seemed to mean that I was the one that he had wronged, and that he was trying to make it up to me. But it isn't that; it can't be that! It is something much worse than that! * * * Oh, I'm glad I haven't used much of his money! Hardly any—not more than I can give back! It wasn't the money and the house he left me that mattered; what he really left me was just this * * * dishonor, shame * * *"

Spearman at the Door

The doorbell rang, and Alan turned to the door and threw it open. In the dusk the figure of the man outside was not at all recognizable; but as he entered with heavy and deliberate steps, passing Alan without greeting and going straight to Constance, Alan saw by the light in the hall that it was Spearman.

"What's up?" Spearman asked. "They tried to get your father at the office and then me, but neither of us was there. They got me afterward at the club. They said you'd come over here; but that must have been more than two hours ago."

His gaze went on past her to the drawn hangings of the room to the right; and he seemed to appreciate their significance; for his face whitened under its tan, and an odd hush came suddenly upon him.

"Is it Ben, Connie?" he whispered. "Ben * * * come back?"

He drew the curtains partly open. The light in the library had been extinguished, and the light that came from the hall swayed about the room with the movement of the curtains and gave a momentary semblance of life to the face of the man upon the couch. Spearman drew the curtains quickly together again, still holding to them and seeming for an instant to cling to them; then he shook himself together, threw the curtains wide apart, and strode into the room. He switched on the light and went directly to the couch; Alan followed him.

"He's—dead?"

"Who is he?" Alan demanded.

Spearman seemed to satisfy himself first as to the answer to his question. "How should I know who he is?" he asked. "There used to be a wheelsman on the Martha Corvet years ago who looked like him; or looked like what this fellow may have looked like once. I can't be sure."

He turned to Constance. "You're going home, Connie? I'll see you over there. I'll come back about this afterward, Conrad."

Alan followed them to the door and closed it after them. He spread the blankets over Luke. Luke's coats, which Alan had removed, lay upon a chair, and he looked them over for marks of identification; the mackinaw bore the label of a dealer in Manitowoc—wherever that might be; Alan did not know. A side pocket produced an old briar; there was nothing else. Then Alan walked restlessly about, awaiting Spearman. Spearman, he believed, knew this man; Spearman had not even ventured upon modified denial until he was certain that the man was dead; and then he had answered so as not to commit himself, pending learning from Constance what Luke had told.

A Tangle of Evidence

But Luke had said nothing about Spearman. It had been Corvet, and Corvet alone, of whom Luke had spoken; it was Corvet whom he had accused; it was Corvet who had given him money. Was it conceivable, then, that there had been two such events in Corvet's life? That one of these events concerned the Miwaka and Spearman and some one—some one "with a bullet hole above his eye"—who had "got" Corvet; and that the other event had concerned Luke and something else? It was not conceivable, Alan was sure; it was all one thing. If Corvet had had to do with the Miwaka, then Luke had had to do with it too. And Spearman? But if Spearman had been involved in that guilty thing, had not Luke known it? Then why had not Luke mentioned Spearman? Or had Spearman not been really involved? Had it been, perhaps, only evidence of knowledge of what Corvet had done that Spearman had tried to discover and destroy?

Alan went to the door and opened it, as he heard Spearman upon the steps again. Spearman waited only until the door had been reclosed behind him.

"Well, Conrad, what was the idea of bringing Miss Sherrill into this?"

(Continued on Page 11)



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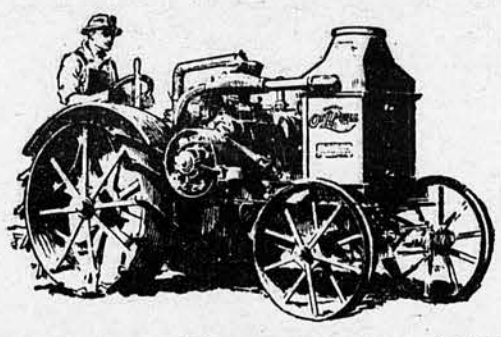
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Southwest Colorado Stock Show

The Southwest Stock Show which was held in Lamar, Colo., recently was attended by many farmers and stockmen and hereafter will be an annual affair. The crowds were large and the interest was unusually good.

In the livestock entries were included 78 head of Holsteins, seven head of Jerseys, 75 hogs, 28 horses, eight sheep and 20 head of beef animals. The prizes awarded amounted to $850. Next year this amount will be increased and a larger number of entries will be made.

The show closed with a banquet given in the Methodist church under the auspices of the Ladies' Aid Society, President C. C. Goodale acted as toastmaster. Among the speakers on the program were the following: Professor J. B. Fitch of Manhattan, Kan.; County Agent William F. Droge of Rocky Ford, Colo.; Secretary J. L. Beaman of the Colorado State Fair Association; H. L. Lascelles of the Colorado State Dairy Commission, and Secretary Fred Waddell of the Colorado Holstein Association. All of the speakers urged the need of more and better livestock for Colorado.

The Kansas Farmer and Mail and Breeze desires to congratulate the Southwest Colorado Stock Show on its successful beginning and to express the hope that it will grow in importance from year to year.

Bulletins of Interest in May

These Farmers' Bulletins and Circulars of general interest during May may be obtained free by addressing the United States Department of Agriculture, Washington, D. C.: Farmers' Bulletin 450, Some Facts About Malaria; 602, Production of Clean Milk; 748, Steam Sterilizer for Farm Utensils; 752, Army Worm, or Grass Worm, and Its Control; 762, False Chinch Bug—Measures for Control; 857, Screw Worms and Other Maggots; 872, The Bollworm or Corn Earworm; 896, Rats and Mice; 932, Rodent Pests on the Farm; 975, The Control of European Foulbrood; 979, Preparation of Strawberries for Markets; 1037, White Ants as Pests in the United States; 1102, The Crow and Its Relation to Agriculture; 1191, Cheesemaking on the Farm; 1198, Swarm Control.

Department Circular 35, Home Garden Diseases and Insects, How to Control Them; No. 36, Use of Poultry Club Products; No. 40, Insect Enemies and Diseases of the Tomato; No. 47, Stomach Worms in Sheep; Prevention and Treatment.

Pruning Newly Planted Trees

The pruning of trees should begin when they are planted. When the trees are dug from the nursery row many of the feeding roots are left in the ground and it is necessary to remove some of the top of the trees in order to establish more nearly a balance between the tops and the roots. This pruning should be given immediately after the tree has been set.

The following points should be kept in mind when performing this operation: Three or four branches should be left in addition to the central leader. The lowest of these branches should be on the southwest side to prevent sun scald; the branches should be 4 or 5 inches apart and on different sides of the trunk in order to avoid crotches; the branches that are left should be cut off 8 or 10 inches from the trunk and the leader shortened back two-thirds. All other branches should be removed close up to the trunk.

Rough on Manure Spreaders

(Continued from Page 3)

sown every year. Hunter has used two methods in sowing alfalfa. He has drilled or broadcasted it in cane or kafir stubble and had good results. When he broadcasts it he goes over the ground with a disk harrow.

When Hunter plants alfalfa with oats he fall-plows and gets the seedbed ready early in the spring before rains cause delay. The oats are sown around April 1 and the alfalfa is put in immediately afterward.

"Never let the oats grown with alfalfa get ripe," said Mr. Hunter. "They should be cut for hay and the alfalfa given a chance to obtain a firm foothold. I favor spring sowing of alfalfa, either with oats or in stubble, because ordinarily it is too dry in the fall unless planting is dangerously delayed."

The Hunter home is modern. An electric plant supplies light and power for the house, yard, barns and sheds. There is a power plug in the machine shed. An extra large battery is used. An electric pump, set in the bottom of the cave, works automatically to keep a pressure tank filled. Water is piped thruout the house. Hot and cold water is available in the basement, on the porch and in the kitchen and bath rooms. The house contains 16 hot and cold water taps.

A pipeless furnace supplies heat for 11 rooms, all of which have 10 foot ceilings. Mr. Hunter says it has given exceptionally good satisfaction. Labor saving devices about the house include an electric washing machine, vacuum cleaner and an iron. Mrs. Hunter has a dress form which she has found very handy in making clothes both for herself and the children, two of whom are girls.

Delco-Light Dealers Convene

BY FRANK A. MECKEL

The fifth annual Delco-Light convention held April 13, 14 and 15 at Dayton, Ohio, was one of the largest and best conventions ever held by that company.

Dealers and distributors from every state in the Union, and other dealers from Canada were present to discuss the problems of the coming season.

The Delco-Light Company is placing some new products on the market this year which look very promising. It has perfected a new electric washer which operates without gears or chains, and it is offering a complete line of deep and shallow well pumps for water systems in farm homes.

One of the outstanding features of the latest products of this company is its line of goods designed for 110 volt alternating current as well as for 32 volt direct current. This will supply the field where high tension electric lines have been installed, as well as complete the equipment on farms where 32 volt farm electric plants are in use.

Nearly 1,000 men attended the convention at Dayton, and the Delco-Light Company is to be congratulated on the efficient and business-like manner in which the meetings were carried on.

Applique Patches Given

Here is one of the niftiest, newest articles that ever has come to the attention of Kansas Farmer and Mail & Breeze. It is the very latest thing in embroidery work—applique patches, all ready to be applied to your material.

Don't get the idea that this is merely a set of transfer patterns, stamped on paper—it is the designs themselves, stamped on a large piece of art linen, 18 by 33 inches. We can supply these designs in blue and old rose.

These designs may be used to decorate unbleached muslin aprons, bed spreads, luncheon sets, dresser scarfs, table covers, and the like. The tops go especially well on little boys' suits: the anchor designs are just the thing for girls' middy blouses; the cup and saucer designs go well on lunch cloths.

The large birds are precisely what you want for draperies; for baby pillows and bed spreads, the little chickens and geese are exactly what you have been looking for. The rabbits, candles and funny faces go well in baby's sleeping room. The morning glories will fit in a hundred and one different places. Remember that you get all the designs mentioned, and more, too, all stamped on the same piece of Art Linen.

W have arranged to give these designs to our readers on a very liberal offer. When you consider that some of the best stores haven't yet had an opportunity to get these designs, and that you can get them so easily from us, you will realize what a bargain we are offering. Just send a postal today, saying, "Please tell me how to get the beautiful Applique Designs." Address Kansas Farmer and Mail & Breeze, Topeka, Kan.—Advertisement.

Of the 7 million or more British war and victory medals issued, one-fifth were sent to the Dominions.

The Federal Government has spent $1,541,447,132.58 in caring for World War veterans since the armistice.

The Indian Drum

(Continued from Page 9)

"I didn't bring her in; I tried the best I could to keep her out."

"Out of what—exactly?"

"You know better than I do. You know exactly what it is. You know that man, Spearman; you know what he came here for. I don't mean money; I mean you know why he came here for money, and why he got it. I tried, as well as I could, to make him tell me; but he wouldn't do it. There's disgrace of some sort here, of course—disgrace that involves my father and, I think, you, too. If you're not guilty with my father, you'll help me now; if you are guilty, then, at least, your refusal to help will let me know it."

"I don't know what you're talking about."

"Then why did you come back here? You came back here to protect yourself in some way."

"I came back, you young fool, to say something to you which I didn't want Miss Sherrill to hear. I didn't know, when I took her away, how completely you'd taken her into—your father's affairs. I told you this man may have been a wheelsman on the Corvet; I don't know more about him than that; I don't even know that certainly. Of course, I knew Ben Corvet was paying blackmail; I've known for years that he was giving up money to some one. I don't know who he paid it to; or for what."

The strain of the last few hours was telling upon Alan; his skin flushed hot and cold by turns. He paced up and down while he controlled himself.

"That's not enough, Spearman," he said finally. "I—I've felt you, somehow, underneath all these things. The first time I saw you, you were in this house doing something you ought not to have been doing; you fought me then; you would have killed me rather than not get away. Two weeks ago, some one attacked me on the street—for robbery, they said; but I know it wasn't robbery—"

"You're not so crazy as to be trying to involve me in that—"

There came a sound to them from the hall, a sound unmistakably denoting some presence. Spearman jerked suddenly up; Alan, going to the door and looking into the hall, saw Wassaquam. The Indian evidently had returned to the house some time before; he had been bringing to Alan now the accounts which he had settled. He seemed to have been standing in the hall for some time, listening; but he came in now, looking inquiringly from one to the other of them.

"Not friends?" he inquired. "You and Henry?"

The Land of the Drum

Alan's passion broke out suddenly. "We're anything but that, Judah. I found him, the first night I got here and while you were away, going thru my father's things. I fought with him, and he ran away. He was the one that broke into my father's desks; maybe you'll believe that, even if no one else will."

"Yes?" the Indian questioned. "Yes?" It was plain that he not only believed but that believing gave him immense satisfaction. He took Alan's arm and led him into the smaller library. He knelt before one of the drawers under the bookshelves—the drawer, Alan remembered, which he himself had been examining when he had found Wassaquam watching him. He drew out the drawer and dumped its contents out on the floor; he turned the drawer about twice, and pulled the bottom out of it. Beneath the bottom which he had removed appeared now another bottom and a few sheets of paper scrawled in an uneven hand and with different colored inks.

At sight of them, Spearman, who had followed them into the room, uttered an oath and sprang forward. The Indian's small dark hand grasped Spearman's wrist, and his face twitched itself into a fierce grin which showed how little civilization had modified in him the aboriginal passions. But Spearman did not try to force his way; instead, he drew back suddenly.

Alan stooped and picked up the papers and put them in his pocket. If the Indian had not been there, it would not have been so easy for him to do that, he thought.

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"Yes, Mr. Masters, *safe* farming pays best in the long run," remarked County Agent Myers as the two paced thoughtfully down the well-kept rows. "And safe farming means more than diversified crops. It includes insuring those crops against hail damage. Ever think of that?"

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—land similar to that which through many years **has yielded from 20 to 45 bushels of wheat to the acre**—oats, barley and flax also in great abundance, while **raising horses, cattle, sheep and hogs** is equally profitable. Hundreds of farmers in western Canada have raised crops in a single season worth more than the whole cost of their land. With such success comes prosperity, independence, good homes and all the comforts and conveniences which make life worth living.

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Alan went with Wassaquam into the front library, after the Indian had shown Spearman out.

"This was the man, Judah, who came for Mr. Corvet the night I was hurt?"

"Yes, Alan," Wassaquam said.

"He was the man, then, who came here twice a year, at least, to see Mr. Corvet."

"Yes."

"I was sure of it," Alan said. Wassaquam had made no demonstration of any sort since he had snatched at Spearman's wrist to hold him back when Alan had bent to the drawer. Alan could define no real change now in the Indian's manner; but he knew that, since Wassaquam had found him quarreling with Spearman, the Indian somehow had "placed" him more satisfactorily. The reserve, bordering upon distrust, with which Wassaquan had observed Alan, certainly had lessened. It was in recognition of this fact Alan now asked, "Can you tell me now why he came here, Judah?"

"I have told you I do not know," Wassaquam replied. "Ben always saw him; Ben gave him money. I do not know why."

Alan had been holding his hand over the papers which he had thrust into his pocket; he went back into the smaller library and spread them under the reading lamp to examine them. Sherrill had assumed that Corvet had left in the house a record which would fully explain what had thwarted his life, and would shed light upon what had happened to Corvet, and why he had disappeared; Alan had accepted this assumption. The careful and secret manner in which these pages had been kept, and the importance which Wassaquam plainly had attached to them—and which must have been a result of his knowing that Corvet regarded them of the utmost importance—made Alan certain that he had found the record which Sherrill had believed must be there. Spearman's manner, at the moment of discovery, showed too that this had been what he had been searching for in his secret visit to the house.

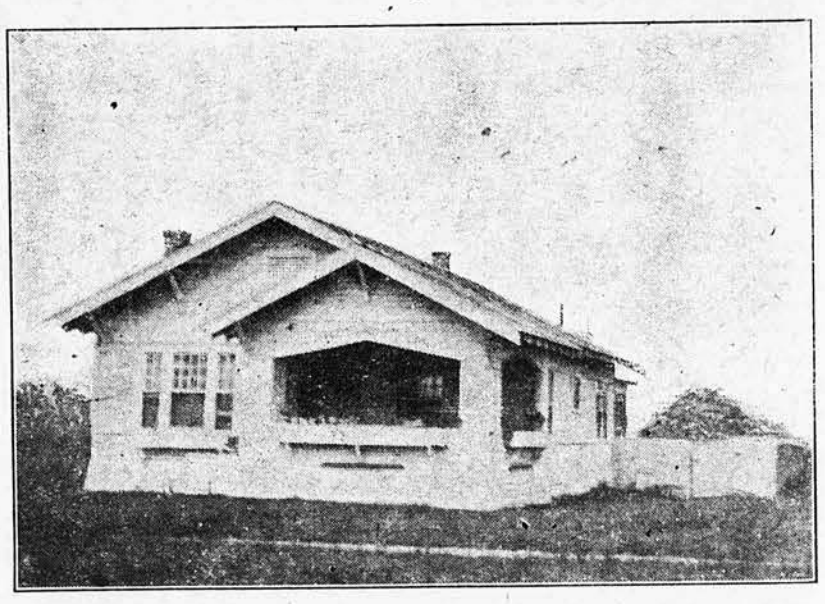
But, as Alan looked the pages over, he felt a chill of disappointment and chagrin. They did not contain any narrative concerning Benjamin Corvet's life; they did not even relate to a single event. They were no narrative at all. They were—in his first examination of them, he could not tell what they were.

They consisted in all of some dozen sheets of irregular size, some of which had been kept much longer than others, a few of which even appeared fresh and new. The three pages which Alan thought, from their yellowed and worn look, must be the oldest, and which must have been kept for many years, contained only a list of names and addresses. Having assured himself that there was nothing else on them, he laid them aside. The remaining pages, which he counted as ten in number, contained nearly a hundred brief clippings from newspapers; the clippings had been very carefully cut out, they had been pasted with painful regularity on the sheets, and each had been dated across its face—dates made with many different pens and with many different inks, but all in the same irregular handwriting as the letter which Alan received from Benjamin Corvet.

Alan, his fingers numb in his disappointment, turned and examined all these pages; but they contained nothing else. He read one of the clippings, which was dated "Feb. 1912."

The passing away of one of the oldest residents of Emmet county occurred at the poor farm on Thursday of last week. Mr. Fred Westhouse was one of four brothers brought by their parents into Emmet county in 1846. He established himself here as a farmer and was well known among our people for many years. He was nearly the last of his family, which was quite well

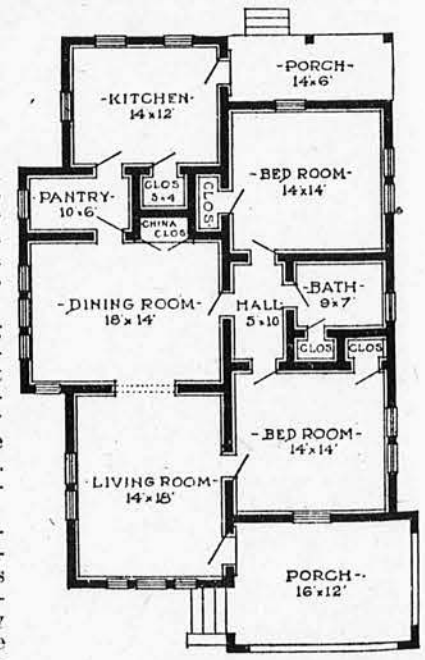
Here's a Home of Moderate Cost



HERE is a house of the kind that the owner is proud to call "Home." Tho not designed specifically for a corner lot it is particularly well adapted to fit a location in which the living-room and dining-room side of the house may look toward the front yard and street, or a location which has large grounds such as all rural building sites have. The location of the entrance to the cozy front porch provides for an approach from either the front or side.

The spacious living and dining rooms joined by a wide opening provides ample freedom and comfort for a large family or for the entertainment of guests. The large pantry is designed and placed so as to be used for a breakfast nook if desired. A large closet is provided in the kitchen for storage.

The bed-rooms have perfect privacy and at the same time easy approach. Any part of the house is accessible from any other part without the necessity of intrusion on any part which may be private. Large closets in all rooms—bath room included—add much to the convenience of this beautiful home.



Plans and specifications for this design No. 548 will be sent on receipt of $10 by the Home Service Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan. If interested write without delay.

off at one time, Mr. Westhouse's three brothers and his father having perished in various disasters upon the lake. His wife died two years ago. He is survived by a daughter, Mrs. Arthur Pearl, of Flint.

He read another:

Hallford-Spens. On Tuesday last Miss Audrey Hallford, daughter of Mr. and Mrs. Bert Hallford, of this place, was united in the bonds of holy matrimony to Mr. Robert Spens of Escanaba. Miss Audrey is one of our most popular young ladies and was valedictorian of her class at the high school graduation last year. All wish the young couple well.

He read another:

Born to Mr. and Mrs. Hal French, a daughter, Saturday afternoon last. Miss Vera Arabella French, at her arrival weighed seven and one-half pounds.

This clipping was dated, in Benjamin Corvet's hand, "Sturgeon Bay, Wis., Aug. 1914." Alan put it aside in bewilderment and amaze and took up again the sheets he first had looked at. The names and addresses on these oldest, yellowed pages had been first written, it was plain, all at the same time and with the same pen and ink, and each sheet in the beginning had contained seven or eight names. Some of these original names and even the addresses had been left unchanged, but most of them had been scratched out and altered many times—other and quite different names had been substituted; the pages had become finally almost illegible, crowded scrawls, rewritten again and again in Corvet's cramped hand. Alan strained forward, holding the first sheet to the light.

Alan seized the clippings he had looked at before and compared them swiftly with the page he had just read; two of the names—Westhouse and French—were the same as those upon this list. Suddenly he grasped the other pages of the list and looked them thru for his own name; but it was not there. He dropped the sheets upon the table and got up and began to stride about the room.

He felt that in that list and in these clippings there must be, somehow, some one general meaning—they must relate in some way to one thing; they must have deeply, intensely concerned Benjamin Corvet's disappearance and his present fate, whatever that might be, and they must concern Alan's fate as well. But in their disconnection, their incoherence, he could discern no common thread. What conceivable bond could there have been uniting Benjamin Corvet at once with an old man dying upon a poor farm in Emmet county, wherever that might be, and with a baby girl in Sturgeon Bay, Wis.? He bent suddenly and swept the pages into the drawer of the table and reclosed the drawer, as he heard the doorbell ring and Wassaquam went to answer it. It was the police, Wassaquam came to tell him, who had come for Luke's body.

An Efficient Doctor

Alan went out into the hall to meet them. The coroner's man either had come with them or had arrived at the same time; he introduced himself to Alan, and his inquiries made plain that the young doctor whom Alan had called for Luke had fully carried out his offer to look after these things, for the coroner was already supplied with an account of what had taken place. A sailor formerly employed on the Corvet ships, the coroner's office had been told, had come to the Corvet house, ill and seeking aid; Mr. Corvet not being at home, the people of the house had taken the man in and called the doctor; but the man had been already beyond the doctor's help and had died in a few hours of pneumonia and alcoholism; in Mr. Corvet's absence it had been impossible to learn the sailor's full name.

Alan left corroboration of this story mostly to Wassaquam, the servant's position in the house being more easily explicable than his own; but he found that his right there was not questioned, and that the police accepted him as a member of the household. He suspected that they did not think it necessary to push inquiry very actively in such a home as this.

After the police had gone, he called Wassaquam into the library and brought the lists and clippings out again.

"Do you know at all what these are, Judah?" he asked.

"No, Alan. I have seen Ben have them and take them out and put them back. That is all I know."

"My father never spoke to you about them?"

"Once he spoke to me; he said I was not to tell or speak of them to any one, or even to him."

Do you know any of these people?"

He gave the lists to Wassaquam, who studied through attentively, holding them to the lamp.

"No, Alan."

"Have you ever heard any of their names before?"

"That may be. I do not know. They are common names."

"Do you know the places?"

"Yes—the places. They are lake ports or little villages on the lakes. I have been in most of them, Alan. Emmet County, Alan, I came from there. Henry comes from there too."

"Henry Spearman?"

"Yes."

"Then that is where they hear the Drum."

"Yes, Alan."

My father took newspapers from those places, did he not?"

Wassaquam looked over the addresses again. "Yes; from all. He took them for the shipping news, he said. And sometimes he cut pieces out of them—these pieces, I see now; and afterward I burned the papers; he would not let me only throw them away."

"That's all you know about them, Judah?"

"Yes, Alan, that is all."

Alan dismissed the Indian, who, stolidly methodical in the midst of these events, went down-stairs and commenced to prepare a dinner which Alan knew he could not eat. Alan got up and moved about the rooms; he went back and looked over the lists and clippings once more; then he moved about again. How strange a picture of his father did these things call up to him! When he had thought of Benjamin Corvet before, it had been as Sherrill had described him, pursued by some thought he could not conquer, seeking relief in study, in correspondence with scientific societies, in anything which could engross him and shut out memory. But now he must think of him, not merely as one trying to forget; what had thwarted Corvet's life was not only in the past; it was something still going on. It had amazed Sherrill to learn that Corvet, for twenty years, had kept trace of Alan; but Corvet had kept trace in the same way and with the same secrecy of many other people—of about a score of people. When Alan thought of Corvet, alone here in his silent house, he must think of him as solicitous about these people; as seeking for their names in the newspapers which he took for that purpose, and as recording the changes in their lives. The deaths, the births, the marriages among these people had been of the intensest interest to Corvet.

(TO BE CONTINUED.)

Our Best Three Offers

One old subscriber and one new subscriber, if sent together, can get The Kansas Farmer and Mail and Breeze one year for $1.50. A club of three yearly subscriptions, if sent together, all for $2; or one three-year subscription, $2.—Advertisement.



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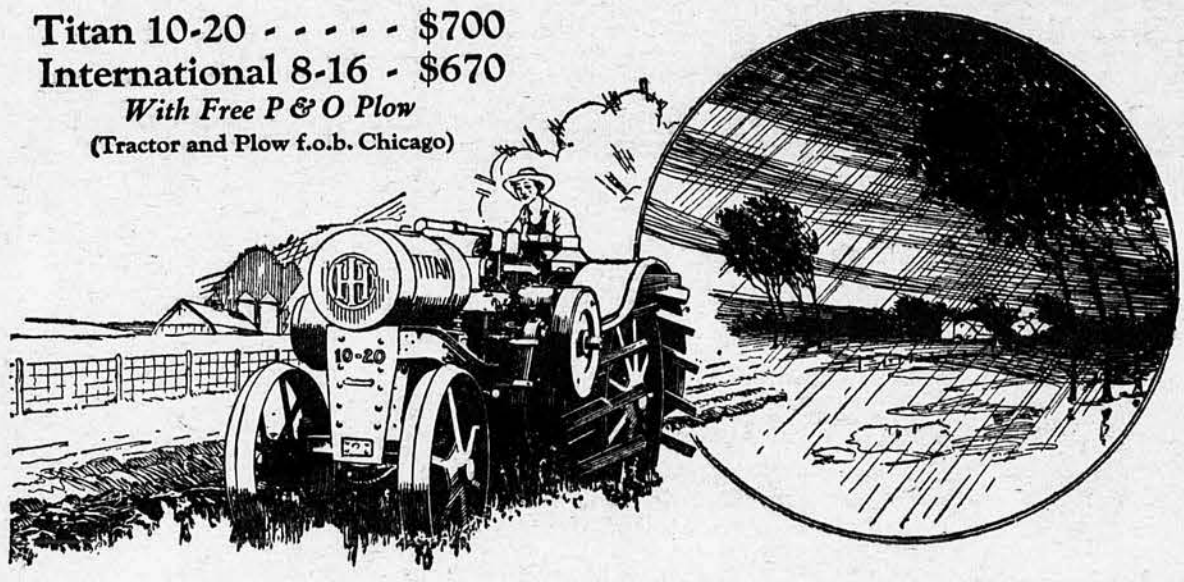
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Titan 10-20 - - - - - $700
International 8-16 - $670
With Free P & O Plow
(Tractor and Plow f.o.b. Chicago)



Free Plow Offer Good 20 Days Longer to Offset Late Spring Season

In many sections heavy rains and a tardy spring have delayed tillage and planting beyond the point of safety. *Now* extra power and help must be put to work to make up for lost time. Hundreds of farmers who did not intend buying a tractor this spring will find in the Titan or International tractor plowing outfit the answer to their big problem.

Our original Free Plow Offer was advertised to close on May 1, as that is ordinarily the end of the heavy tillage season. But after weeks of delay thousands of acres remain untilled, and an unexpected need has developed for Titan and International tractor power.

To keep in line with the unusual season we have instructed the McCormick-Deering Dealer in your locality to extend our Free Plow Offer for 20 days. Until May 20 you can buy a Titan or International tractor at the present low prices, and receive a free plow or tractor disk harrow as outlined in our original Free Plow Offer announced February 3, 1922.

Unseasonable weather has created a real emergency that can best be met with good tractor power. Every hour saved now means dollars at harvest time. See the McCormick-Deering Dealer today.

INTERNATIONAL HARVESTER COMPANY
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Wipe Out Every Rat and Mouse

Amazing New Discovery Quickly Kills Them All. Not a Poison.

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Infects Rodents only. Greedily eaten on bait. Sets up burning fever. The pests communicate it to others, and all die outside, hunting air and water. Imperial Virus is put up in sealed bottles,thus insuring full strength and potency. Only safe, sanitary method to overcome these pests. Protect your Poultry, especially Baby Chicks and Egg Hatches.

YOU CAN GET YOURS FREE

Here's how! Send $1.00 today (currency, M. O., checks, etc.) and we will give you by return mail, postpaid, two regular, full sized (double strength) $1.00 bottles of Imperial Virus. Use one to rid your place of these pests, and sell the other to a neighbor, thus getting yours free. Special inducements to represent us.

If more convenient, send no money, just your name and address to Imperial Laboratories, Dept. 423, 2110 Grand Ave., Kansas City, Mo. Pay postman $1.00 and few cents postage when two bottles arrive. Guaranteed to do the work to your entire satisfaction within 30 days or your $1.00 will be cheerfully refunded.



Feeding the Growing Hogs

BY DR. C. W. McCAMPBELL

It is surprising to note how many persons try to raise hogs without pasture, even when some kind of pasture is available. One acre of alfalfa pasture will save 40 bushels of corn in putting fat on hogs in the summer time. Clover and rape are practically as efficient. Cane, Sudan grass and cane are almost as efficient. Most any kind of growing crop will make good hog pasture as long as it is green.

Many persons living in a section where good corn crops cannot be raised in an average season hesitate to raise hogs even if they can produce large crops of barley, feterita, kafir or milo. For all practical purposes these feeds are just as good as corn for growing or fattening hogs, and anyone who can produce these crops can grow hogs.

A feed rich in protein is necessary because it promotes growth and also because it enables the hog to get more out of corn and other feeds he eats. For instance, a 60-pound pig fed on corn alone will require, on the average, 600 pounds of corn alone to make 100 pounds of gain, whereas he will require only 400 pounds of a mixture of 9 parts corn and 1 part tankage, and it will require 200 days or more to make 150 pounds of gain where corn is fed but only 100 days where the mixture of corn and tankage is fed. Feeders find that the addition of 10 per cent tankage to a ration reduces the amount of corn required to make a 100 pounds of gain from 25 to 35 per cent. Hogs, permitted to help themselves to a self feeder filled with corn and tankage, will eat about 85 per cent corn and 15 per cent tankage when they weigh from 60 to 100 pounds; about 90 per cent corn and 10 per cent tankage at from 100 to 175 pounds in weight; and about 95 per cent corn and 5 per cent tankage at from 175 to 250 pounds in weight.

One pound of tankage is equal to 2 pounds of linseed oil meal or 2½ gallons of skimmilk or buttermilk.

Farm Labor on Normal Basis

Farm labor supply, relative to the demand for it by farmers, is continuing to increase, the United States Department of Agriculture reports. The ratio of supply to demand April 1 was 111.4 per cent. In April, 1921, the ratio of supply to demand was 108.8 per cent, and 1920 it was 68.8 per cent. Relatively, farm wage labor has offered its services in greater degree since 1920 than farmers have been willing or conomically able to employ and pay the current wage rates.

Yet there is evidence this spring that employer and employe are getting nearer together. The supply of farm labor has now substantially reached its normal proportions, whereas, in 1920 it was scarcely three-fourths of a normal supply. On the other hand, farmers have increased their demand for labor from 87.5 per cent of a normal demand in 1921 to 89.3 per cent in 1922. A diminishing farm wage rate has presumably made possible this movement of demand for labor.

A Story of the North

On a farm in the St. John country of Canada is a stone commemorating the place where Louis Hemon wrote his greatest book, Maria Chapdelaine. This story of the Canadian North deals in a poetic way with the lives of the French peasants, trappers and cures who live in the winter-land north of Quebec. The heroine for whom this book is named is held in this snowy wilderness despite the death of her lover in a Christmas blizzard and the loss of her mother for want of medical aid by that indefinable something, the spirit of a pioneer. This fascinating tale is different from most books of the day; it is told in a simple way but is vivid and real. The MacMillan Company, 66 Fifth Ave., New York, N. Y., has published the English translation of this book and it sells for $2 a copy.

Chester White Futurity Entries

Ten breeders of Chester White hogs have entered the Chester White futurity to be held at the Kansas Free Fair in Topeka, September 11 to 16. The list of nominators follows: C. H. Cole, North Topeka; Mosse & Mosse, Leavenworth; Clyde Smith, Scranton; Lloyd Garrison, Glade; E. M. Richards, Topeka; H. C. Krause, Hillsboro; E. E. Smiley, Perth; Earl Lugenbeel, Padonia; Maurice F. Black, Scribner, Neb.; and Walter Ferbrache, Hiawatha.

Pasture Cheapens Pork Production

BY EDGAR W. COOLEY

The Illinois Agricultural Experiment Station has recently conducted a series of experiments in the feeding of young pigs and the results demonstrate that the greatest economy in the production of pork follows the use of pasture or other forage in connection with a grain ration.

The following five important facts were shown by the experiment:

1—From 375 to 425 pounds of feed, fed with pasture, can produce 100 pounds of pork. The same amount of feed fed without pasture can produce the same amount of pork, provided from one-third to one-half more protein supplement is used.

2—A full grain ration on pasture will require the smallest amount of feed to produce a hog of marketable weight. It is pointed out, however, that this may not always be the most economical method.

3—When a medium grain ration on pasture is fed the least amount of protein supplement is necessary to produce a 225-pound hog. A medium grain ration on pasture, will also produce a pig of the desired weight from 100 to 150 pounds for handling the new corn crop.

4—Economical pork production does not so much depend upon the kind of forage used as it does upon providing forage thruout the whole crop-growing season.

5—The most rapid gains in all of the experiments were obtained by feeding corn, tankage and either middlings, or ground oats, in the self-feeder, but corn and tankage produced economical results.

Puts Agriculture On Map

From St. Louis Post Dispatch.

The work of the bloc constitutes a very considerable body of legislation enacted in the interests of the farmer. It will take time to test those new acts. Future sessions of Congress can remedy those laws as may seem desirable, provided the agricultural bloc is as energetic and powerful as it has just shown itself to be. That it is the bloc's purpose to keep "agriculture on the map," to use a Kenyon phrase, is evidenced in the selection of Senator Capper of Kansas as Kenyon's successor.

Senator Capper is possibly the most militant friend of the farmer in Washington. Thru his numerous farm publications he has the ear of the farmer as probably no other person. The bloc will be faithful to the farmer under Capper's leadership.

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 & 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' notice. 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, Kansas.

Ninety varieties of sugar cane are cultivated in Porto Rico.

SATISFACTION



BEFORE your grain can be marketed, it must be threshed, and nothing brings greater satisfaction than a threshing job well done. Good, clean, fast threshing, day after day, without loss or delay, and at low cost, requires certain important qualities in a machine. All these qualities are found in Case threshers. This is proved by their eighty year record in the hands of farmers and threshermen everywhere. Today, Case machines thresh more of the world's grain than any other make, because they excel in these qualities.

They Save The Grain—From the feeder to the windstacker all parts work as a unit in threshing and saving all the grain.

They Thresh All Grains and Seeds—There is not a seed or grain grown that cannot be threshed, cleaned and saved with a Case Thresher Everything necessary to handle any kind of grain can be furnished.

They Clean Thoroughly—The moment the grain leaves the cylinder Case separators begin the work of cleaning, and continue it until the grain is delivered in prime condition for marketing.

They Are Easy to Operate and Adjust—Changing a Case from one grain to another usually requires not more than three simple adjustments which can be made without stopping the machine.

They Are Durable—The average life of a Case Thresher is easily 20 years. Most of the first steel threshers we sold in 1904 are still in use and good for many more years. Our present machines are even more durable.

Because of these and other good qualities, Case Threshers give universal satisfaction to threshermen and farmers alike.

There are seven sizes of Case Threshers, 20x28, 22x36, 26x46, 28x50, 32x54, 36x58 and 40x62.

Interesting new booklets on the advantages and money making possibilities of Case Threshers are now ready. Write for your copy.



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(Established 1842)
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For Baby Beeves, $300 in Prizes

Success which attended the baby beef contest for boys and girls held at the Kansas Free Fair at Topeka last year, has aroused a great deal of interest in this feature of the 1922 show, September 11 to 16. This year the Kansas Free Fair is offering $300 in 11 prizes for baby beef steers calved after January 1, 1921, which are sired by registered bulls. The American Hereford Cattle Breeders' Association and the Kansas Shorthorn Breeders' Association will duplicate all prizes won by baby beeves sired by registered Hereford or Shorthorn bulls, respectively. In addition the Kansas City Stockyards Company will give a silver trophy cup to the first prize winner.

For the best five baby beeves from one county, entered in the contest, four prizes are offered by the Kansas Free Fair, $60, $40, $30 and $20. After the contest the baby beeves last year were auctioned off to packer buyers and brought record breaking prices much to the delight and profit of the boys and girls who showed them. It is probable this plan will be followed again this year.

Boys and girls who enter baby beeves must be under 18 years old.

This fall the boys and girls of the state will also have a chance to compete for $100 in prize money with fat wether lambs dropped after January 1, 1922. Forty five dollars in prizes also is offered for the best five lambs from one county. Premium books giving details of the contest may be obtained from Phil Eastman, secretary the Kan-Free Fair, Topeka, Kan.

World Farm Meet at Rome

H. E. Van Norman, president of the World's Dairy Congress Association, has been appointed Commissioner of Agriculture and Delegate of the United States to the General Assembly of the International Institute of Agriculture, which is to be held from May 8 to 18, at Rome, Italy.

Other delegates to the General Assembly previously announced are Dr. Nat C. Murray, Dr. L. C. Gray, Dr. Perley Spaulding, and Dr. H. H. Kimball, of the United States Department of Agriculture in Washington; E. A. Foley, Agricultural Commissioner for the Department, at London; L. G. Michael, Representative of the Department at Budapest; Dr. W. H. Stevenson, Permanent Delegate to the Institute at Rome; Dr. J. G. Lipman, Director of the New Jersey Agricultural Experiment Station; Mrs. Charlotte B. Ware, Consultant in Agriculture, Boston; and Francis B. Keene, United States Consul General at Rome.

Some Good Wheat in Kansas

There will be a good yield of wheat on more than 3 million acres of Kansas land this year, but the greater part of the remaining acreage will amount to very little, according to the estimate of E. J. Smiley, secretary of the Kansas Grain Dealers' Association.

Mr. Smiley says that east of the sixth principal meridian which passes thru Wichita, there is a wheat acreage of 2,543,000 acres, which will average 18 bushels or more to the acre. He estimates that about half a million acres west of this line will make about the same acre yield.

"Aside from this and four counties in the northwestern part of the state, 40 per cent of the remaining wheat acreage in Kansas will not be harvested," says Mr. Smiley.

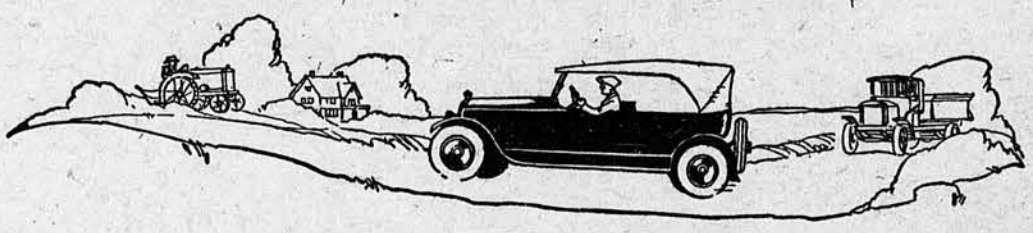
Radio a Public Utility

An advisory committee of 12 to be appointed by the President to assist the Secretary of Commerce in supervising radio communications was recommended in the final report of the recent National Radio Conference, as submitted to Secretary Hoover. The report approved the allocation of wave lengths to various classes of users, made in the tentative report of the conference. Half of the proposed advisory board would be appointed from Government officials and half from civil life.

The final report stated the sense of the conference to be "that radio communication is a public utility and as such should be regulated and controlled by the Federal Government in the public interest."

The metric system is now used all over Europe, with the exception of Russia and Great Britain.

McQUAY-NORRIS PISTON RINGS



Increase Power—Save Gas and Oil

Piston rings wear, just as tires do. Worn and leaky rings waste motor power and money. They should be replaced with McQuay-Norris equipment. It will increase power, save gas and oil, and decrease carbon troubles in any make or model of passenger car, truck, tractor or stationary engine. The McQuay-Norris line is complete for every need. Through the addition of McQuay-Norris Wainwright Pistons and Piston Pins to the McQuay-Norris Piston Ring line, you can now secure for your gas engines complete McQuay-Norris-made Pistons, Piston Pins and Piston Ring equipment.



McQUAY-NORRIS WAINWRIGHT PISTONS & PINS

Send for Free Booklet — a valuable explanation of the relation of piston rings to gas engine operation. Address Dept. A. C.

McQuay-Norris Manufacturing Co.
St. Louis, U. S. A.

LEAK-PROOF — an exclusive two-piece design, preventing loss of gas and compression. Gives equal pressure at all points on cylinder walls. For all piston grooves except top, which should have Superoyl. Each ring packed in a parchment container. Price per ring—

$1.25
In Canada, $1.50

Superoyl — Keeps lubricating oil out of combustion chamber. Collects excess oil on each down stroke of piston and empties on each up stroke, which ordinary grooved rings cannot do. Each ring packed in a parchment container. Price per ring—

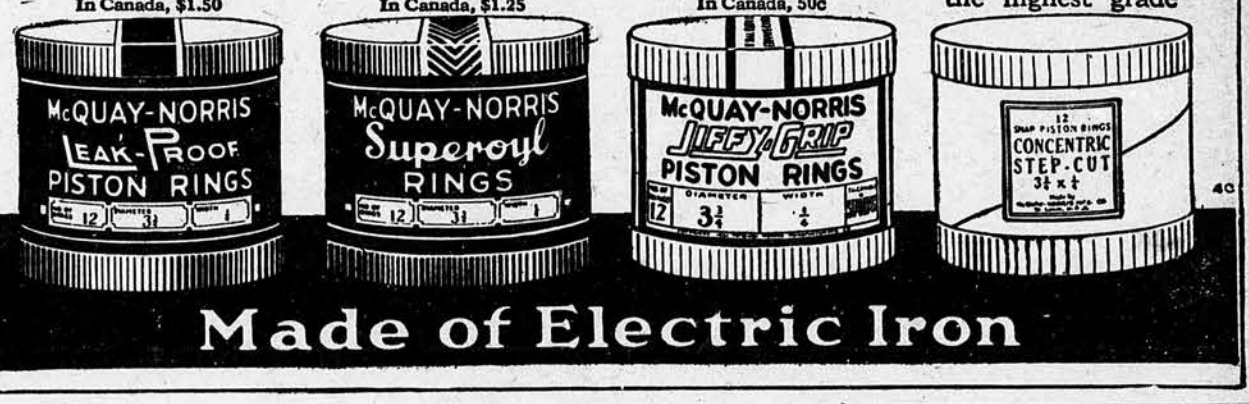
$1.00
In Canada, $1.25

JIFFY-GRIP — a one-piece ring. Non-butting joint which can be fitted closer than ordinary step cut — velvet finish—quick seating. "Seats in a jiffy." To keep them clean and free from rust, each ring is packed in an individual glassine envelope. Price per ring—

50c
In Canada, 50c

Snap Rings—of the highest grade. Raised above the average by McQuay-Norris manufacturing methods. Their use insures all the satisfaction possible for you to get from a plain snap ring. They are packed twelve rings to the carton and rolled in waxed paper.

And Snap Rings of the highest grade



Made of Electric Iron

Full crops or half crops?

The Answer Is "Fertilizer"

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726	7	26	12	5.5	.26	.27	.30
7260	7	26	6¾	6.5	.30½	.32	.35½
832	8	32	12	6.2	.29½	.30½	.34
8320	8	32	6¾	7.7	.36½	.37½	.42
939	9	39	12	6.9	.33	.34	.37½
9390	9	39	6¾	8.7	.41½	.42½	.47½
1047	10	47	12	7.8	.37	.38	.42½
10470	10	47	6¾	9.7	.46	.47½	.53
1447-H	14	47	8	11.3	.57½	.59	.65½
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Farm Organization News

BY RURAL CORRESPONDENTS

PROBABLY a carload of binding twine will be ordered co-operatively by members of the Farmers' Union, the Grange and the Shawnee County Farm Bureau, according to J. M. Kessler, county business agent for the Farmers' Union.

Hire a Dairy Inspector

As the result of the typhoid epidemic resulting in the serious illness of two persons and illness more or less serious to several others, the city commissioners of Ottawa, Kan., have decided to employ a dairy inspector to enforce the dairy inspection ordinance permitted to lapse in the last few years.

Sweet Clover for Pasture

Sweet clover as a pasture and hay crop is being recommended by Theodore F. Yost, Cloud county agent. Mr. Yost says this crop is well adapted to Cloud county conditions and that more farmers should grow it. He says that Charles Fredrickson is preparing to sow from 35 to 40 acres on his farm this summer.

New Farmers' Union Secretary

Dan Thurston, secretary of the Kansas Farmers' Union, has resigned his position with the farmer organization to become general sales manager of an oil refining company with headquarters in Salina.

C. E. Brastead of Logan was elected to succeed Mr. Thurston af a recent meeting of the board of directors in Salina.

To Eliminate Gophers

The Osage County Farm Bureau is helping its members and other farmers in the county to get rid of pocket gophers, according to L. H. Rochford, county agent. Mr. Rochford says poisoned oats have been sent to E. D. Tiffany, Lyndon; J. D. Jennings, Lyndon; Thomas Jensen, Olivet; A. D. Larson, Lyndon; C. B. Kelley, Burlingame; E. E. Bailey, Scranton and John Rubow, Scranton.

Fertilizers Increase Wheat Yields

The value of keeping land fertile is shown by C. D. Thompson, Neosho county agent. Mr. Thompson says A. M. Salors has a small well fertilized field on his farm which yielded 32½ bushels of wheat last year, and the year before 37½ bushels. Mr. Thompson says this naturally is the poorest land on the place but that it has been brought up to a state of fertility that will make it show a profit nearly every year.

Osage Farmers Fight T. B.

A campaign has been started in Osage county to stamp out bovine tuberculosis. L. H. Rochford, county agent, states that 35 owners of cows at Scranton met recently and unanimously voted to have their cows tested. Farmers living in the vicinity of Scranton are being urged to test also. Mr. Rochford says much of the credit for the movement should be given to C. W. Bolton who aroused interest in the project.

In to Win Clothing Club

Eight girls in the Central School district met recently and organized the "In to Win" Clothing Club, according to Hayes M. Coe, Montgomery county agent. The following officers were elected: Opal Burton, president; Naomi Lattin, vice president; Grace Davis, secretary and Edna Shields, treasurer. Miss Nannie Drybread was elected as local leader. The girls plan to meet every two weeks and are looking forward to exhibiting their work at some of the fairs this fall.

Not Afraid of Rain or Mud

Rain and mud cannot keep poultry enthusiasts away from club meetings, according to Hayes M. Coe, Montgomery county agent. Mr. Coe says that the Busy Bee Poultry Club recently held a meeting at the home of its leader, Mrs. J. H. Goff in the Farm Ridge community. Twelve members were present in spite of the rainy weather, and the total attendance was 20 persons. Albert Schoth, extension poultry specialist of the Kansas State Agricultural College, attended the meeting and talked on feeding of baby chicks. Mr. Coe talked on proper housing of chicks. This club conducts its meetings in a strictly business like way and is a great help to many young people in that community, Mr. Coe says.

Weather by Wireless

Weather forecasts are being sent broadcast each morning and evening over Kansas by radio. The weather bureau recently made arrangements to have this information broadcast from powerful stations at Manhattan, Wichita and El Dorado, using a wave length of 485 meters, which has been designated for this special purpose by the Government.

The Manhattan station, operated by the Kansas State Agricultural College, sends out the weather forecasts by radio telegraph at 9:55 o'clock a. m.; the El Dorado station, operated by the Midland Refining Company, sends them at 10:30 o'clock a. m. by radio telephone, and the Wichita station, operated by the Coss Radio Company, sends by radio telephone at 10:45 o'clock a. m.

Special warnings, when issued in the afternoon, are sent at 3:30 o'clock from El Dorado; 4 o'clock from Manhattan, and 4:30 o'clock from Wichita. The Wichita station also broadcasts the night forecasts at 10:45 o'clock.

It is likely that arrangements will be made soon to distribute market and livestock reports at the same time, according to S. D. Flora of Topeka, the State Meteorologist for the United States Weather Bureau.

Fertilizers for Alfalfa

The Doniphan County Farm Bureau is going to conduct a number of tests this year to determine if possible whether the application of commercial fertilizer, used in limited amounts, will be profitable for alfalfa. The fertilizer used will be acid phosphate according to F. H. Dillenback, county agent. Tests will be scattered in different parts of the county so that it will be possible to get results on all the different kinds of soil. Only a small plot will be included in each of the tests.

Root or Die Pig Club

The "Root or Die" Pig Club and the "Ideal Workers" Calf Club held a joint meeting recently and decided to elect one set of officers for both clubs, according to Hayes M. Coe, Montgomery county agent. Mr. Coe says Wilbur Drybread was elected president, Doyle Burton, vice president, Celia Davis, secretary and William Adams, treasurer. It was decided to hold meetings the third Tuesday of every month in the homes of the members. Demonstration teams are being planned for both clubs.

More Purebred Cows for Marshall

There is such a large demand for purebred dairy cows at the present time that the Marshall County Farm Bureau is considering shipping in a carload of purebred cows and heifers from Wisconsin, says John J. Inskeep, county agent. He reports that the Brown and Okeson dairy is pushing this project since the proprietors are changing from grades to purebreds. He says Mr. Okeson considers it cheaper to feed a few purebreds which will give as much milk as a larger number of grades.

Apron Pattern Free

The busy houseworker will readily appreciate our new one piece Apron Pattern as it is the most practical that can be worn and it only takes 2 yards of 36-inch material for apron, size 36. It is simple, attractive and comfortable. The pattern is cut in three sizes; 36, 40, 44 and will be given free with one new one-year subscription to Capper's Farmer at 25c. Be sure and give size you want, and mention pattern No. 9600. Address Capper's Farmer, Apron Dept. 51, Topeka, Kan.—Adv.

Middle West Plains News

BY EARLE H. WHITMAN

THRU the co-operation of local swine breeders, bankers and other business men, a boys' and girls' pig club has been organized in the vicinity of Elkhart, Kan. The sow and litter plan is followed, with only registered sows entered in the contest. In cases where club members do not have money to buy contest entries, the local banks are giving them the necessary financial assistance, taking contestants' personal notes. The club has a membership of 30 boys and girls.

"The Elkhart community has felt the need of more hogs to consume the surplus grain produced," says J. D. Guttery, club manager. "Many of our farmers living long distances from market scarcely can afford to haul grain to town, with present low prices prevailing. By raising more livestock to consume grain at home, farmers will be able to make a fair profit."

Thistle Silage Pays More

John C. Etherton of Hodgeman county, Kansas, says that silage made from young Russian thistles makes excellent feed. Mr. Etherton tells Duke D. Brown, county agent, that a few years ago he made about 20 tons of silage from thistles which grew on his farm. He says he prefers this kind of silage to any other he has ever used. He stated that if fed to dairy cows it makes more milk pound for pound than any other kind of silage. Horses also relish it, he reports. Mr. Etherton says no water was required and that the thistle silage packed very easily and that very little of it spoiled. While feeding the silage his cream check from five Red Polled cows amounted to $30 a week.

Orchard Pays $161.63 An Acre

The value of pruning, spraying and bookkeeping in the production of fruit was well proved by A. A. Glenn of Sedgwick county, Kansas, last year. Mr. Glenn had a 5-acre orchard, 18 years old, which never had received any care. Co-operating with the extension department of the Kansas State Agricultural College, he gave the orchard proper care. Recepits from the crop amounted to $1,259.87. The cost of pruning, spraying, picking and marketing the apples was $451.70, leaving the grower a profit of $808.17, or $161.63 an acre.

Music is Morning Alarm

Few folks take any pleasure in crawling out of bed on a cold morning —or even on a summer morning. Arthur Colclazer, a young Cloud county, Kansas farmer, has a device which starts the day out right. He winds up his alarm clock and attaches it to a phonograph lever. When the alarm goes off it automotically starts the phonograph, and Arthur jumps out of bed to the tune of "Uncle Josh at Punkin Center."

Poisoned Grasshoppers

Chris Levi, a Hodgeman county Kansas farmer, believes in poisoning grasshoppers, according to Duke D. Brown, county agent. Last fall he spread poison around his wheat field after seeding fall wheat. This spring his wheat is in good condition up to the very edge of the field while his neighbors, who did not use poison, have no wheat on the first 2 or 3 rods around the edge of their fields.

Farrows Two Dozen and One

What is said to be a world record for large litters is held by a Duroc Jersey sow belonging to R. R. Lilly of Bent county, Colorado. This sow recently farrowed 25 healthy pigs. The entire litter was strong and hearty.

Rotation Beats Summer Fallow

Wheat following summer fallow gives highest yields, but that method is not the most profitable in producing the crop, according to the results obtained from five years of experimenting at the Reno county, Kansas, high school. Wheat on disked corn ground usually is more profitable because the cost of preparing the seedbed is so much less, and the grower has the corn to offset the slightly decreased yield of wheat. These results are in line with conclusions reached at various experiment stations, says Prof. E. H. Teagarden, who has had charge of the Reno county tests, but are of special value because of their local application.

In the high school tests, wheat following summer fallow yielded an average of 28.02 bushels an acre in the five years, while wheat following corn made an average yield of 24.68 bushels. Wheat following kafir yielded an average of only 20.24 bushels. The difference in favor of wheat following corn, as compared to wheat following kafir is ascribed principally to the fact that kafir has twice as many secondary roots as does corn and also has a longer growing season, thus depleting the moisture supply of the soil and giving wheat a much poorer chance. In the Reno county experiments, the corn is grown in rows twice as far apart as usually is the case, but Professor Teagarden declares the yield is fully equal to that obtained when the crop is spaced as usual.

Dairying Invades Wheat Country

A series of dairy meetings was held recently in Comanche county, Kansas, for the purpose of arousing interest in dairying. W. T. Crandall, extension specialist in dairying of the Kansas State Agricultural College, helped E. L. Garrett, county agent, at these meetings. With wheat in the county promising not more than 25 per cent this year, Mr. Garrett is urging farmers to milk more cows and take better care of chickens and raise more hogs. He is recommending that spring crops be sown to provide feed for cows, chickens and hogs. The growing of vegetables and fruits for the home supply also is being urged. The vocational agriculture class at Protection high school is offering to test samples of garden seeds.

Hay Stack Killed Steers

A rather unusual accident happened recently on the farm of John Drummond of Chase county, Kansas. Cattle had been turned into a field where a straw stack stood and had eaten away the lower part of the stack. A hard wind blew the stack over and two steers were buried beneath the straw and suffocated.

Wheat Growers Buy Holsteins

That Barton county, Kansas farmers are turning to diversified farming was evidenced recently when 86 purebred and grade Holsteins were shipped in. The cattle were purchased in Texas by the Barton County Holstein Association. Dairying promises to be one of the most important side lines of wheat growers in that section.

EMPIRE ICELESS REFRIGERATOR

Evaporation type refrigerator recommended by U.S. Dept. of Agriculture. *Cools by evaporation.*

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Of course it tells something about Plymouth Rope, too, and how farmers buying Plymouth cut down their rope purchases and save money.

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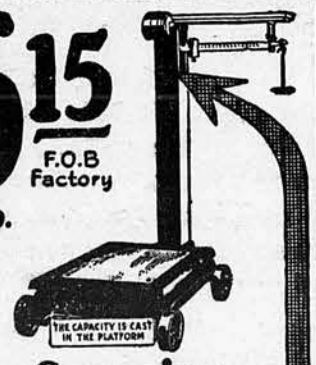
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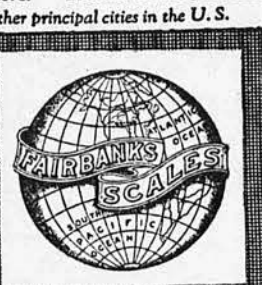


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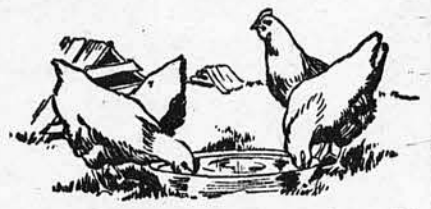


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Tablets Dropped into Drinking Founts Banish Vermin, Make Fowls Grow Faster and Increase Egg Yield.

Any poultry raiser can easily rid his flock of lice and mites, make chickens grow faster and increase their egg yield by simply adding minerals to the fowls' drinking water. This does away with all bother, such as dusting, greasing, dipping and spraying. The necessary minerals can now be obtained in convenient tablets, known as Paratabs. Soon after the fowls drink the mineralized



water, all lice and mites leave them. The tablets also act as a tonic conditioner. The health of the fowls quickly improves, they grow faster and the egg yield frequently is doubled. Little chicks that drink freely of the water never will be bothered by mites or lice.

The method is especially recommended for raisers of purebred stock, as there is no risk of soiling the plumage. The tablets are warranted to impart no flavor or odor to the eggs and meat. This remarkable conditioner, egg tonic and lice remedy costs only a trifle and is sold under an absolute guarantee. The tablets are scientifically prepared, perfectly safe, and dissolve readily in water.

Any reader of this paper may try them without risk. The laboratories producing Paratabs are so confident of good results that to introduce them to every poultry raiser they offer two big $1 packages for only $1. Send no money, just your name and address—a card will do—to the Paratab Laboratories, Dept. 952, 1100 Coca Cola Bldg., Kansas City, Mo., and the two $1 packages, enough for 100 gallons of water, will be mailed. Pay the postman $1 and postage on delivery, and if you are not delighted with results in 10 days—if your chickens are not healthier, laying more eggs and entirely free from lice and mites—your money will be promptly refunded. Don't hesitate to accept this trial offer as you are fully protected by this guarantee.

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Letters Fresh From the Field

FARMERS are urged to make free use of this page to discuss briefly any matter of general interest to rural communities. Address all letters intended for this purpose to John W. Wilkinson, Farm Letter Department, Kansas Farmer and Mail and Breeze, Topeka, Kan.

Culling the Flocks

The American poultry investigators tell us thru the experiment stations and thru the county agents that the best time to cull is from July 15 to September 15, and that it is not reliable at other times. Have you noticed the price of hens at this particular time the past two years? If not, notice it this year. These poultry investigators are men in the East, say New York and New Jersey, but will their system work here equally well or is this a little too far west? Let us see what our sister state on the east has ascertained by test; the state that had to discard the kicky mule for the scratching hen.

T. W. Noland, director of Missouri State Poultry Experiment Station, Mountain Grove, Mo., says in April number of O. K. Poultry Journal: "Some advocate culling the early molters and declare them to be the poor producers, others use the Hogan and Potter systems which are good. How many farmers in the state of Missouri and other states as well have been told to cull all hens molting before August and September? The writer for some time has been of the opinion that the time the chick is hatched has considerable influence on the time the hen will molt.

"In order to learn more about the influence of early molting on egg production an experiment has been conducted at the Missouri State Poultry Experiment Station at Mountain Grove, Mo. Ten hens were selected from the demonstration farm which were not trap nested, five of these were hens in molt or thru molting, five were hens that showed no signs of molt on July 15. On November 7 these hens were started on the trap nests and records kept. The pens were marked good that showed no signs of molt and those in full molt or had completed the molt were marked poor. On October 1, about 10 more hens were selected, five that showed no signs of molt and five that were in or over the molt. Trapnesting began on November 1, the same as with pen No. 80. The tables supplied show pen No. 80, the hens marked good, laid 855 eggs the value of which was $21.88. The ones marked poor laid 892 and the value was $26.32, showing a difference of 37 eggs in favor of the poor ones and their eggs being laid in the winter months brought $4.44 more than those laid by the late molters. Pen No. 81 showed less difference. The hens not showing molt on October 1 laid 36 eggs more than the five hens in molt at this date, again showing in favor of the poor a profit of $2.47 over the good.

"Beyond a doubt farmers and poultrymen have lost thousands of dollars thru the mistaken idea that they should cull by the molt."

I am of the opinion that it would pay the poultry keeper to go into detail enough at least to read and study articles on poultry; also to get books on culling and study and master them, before selling good hens that could net them $2 or more a year. L. F. Cyr.

Clyde, Kan.

Make It Cash or No Bonus

I see there is a proposition to pay the soldiers' bonus in some kind of a certificate that will be due in the future, that the banks and speculators can buy up at about the price of a German mark. Many of these boys wish to buy teams and go to farming. The banker will say to them, that they will accommodate them after harvest, that they will take their certificate and team and crop as security until harvest, that they could not depend on their certificate alone, as it might be a brother to the German mark.

Well, at harvest, the service man will find his corn is 25 cents a bushel, his wheat 50 cents, potatoes 50 cents, etc., and that his team and crop will not pay his debt with his certificate added.

Let us pay the ex-soldier in good money and tell him when we will pay him and how much, or tell him we repudiate his claim. If we pay him, it will not only help him, but will help every business in the land, except the usurer and grafter. I. W. Pepper.

Montrose, Colo.

Why Let Gamblers Run the Markets?

How long is the Supreme Court going to permit the grain gamblers at Kansas City and Chicago to rob the people? Where is the Capper-Tincher law that will put a 20-cent tax on futures, and will put a stop to cash wheat going up 2 cents one day and down 4 cents the next? Are the gamblers stronger than the Government? It has been more than three months since the Capper-Tincher law was due to go into effect and the grain gamblers at Kansas City and Chicago Boards of Trade are still robbing the people.

T. A. Conklin.

R. 3, Washington, Kan.

Orchard Makes Him $10,000 a Year

Seeing in the Kansas Farmer and Mail and Breeze, where one farmer made $800 on 5 acres near Wichita, I will just go him one better on an orchard of 8½ acres of Elberta peaches near Palisade. This has produced $40,000 worth of peaches in the last four years. Grand Valley at Palisade, Colo., outshines all of them when it comes to raising fruit and has only had one failure of crops in 20 years. I can give the net figures from the 8½ acres if any one questions my statement.

Palisade, Colo. J. A. Stoner.

Heart of America Dairy Show

BY JOHN W. WILKINSON

DAIRYING is destined to become one of the most important industries in Kansas. During the last 10 years the value of dairy products in Kansas has increased 300 per cent and records show that it has made a marked increase in every decade for the last 30 years.

Much interest is being taken by Kansas dairymen in the Heart of America Show which is to be held in Kansas City June 5 to June 10. Plans for the show were completed recently by a committee of Kansas and Missouri dairy cattle breeders. The committee states that Convention Hall at Kansas City will be filled with displays of modern dairy equipment and extensive educational exhibits under the supervision of the United States Department of Agriculture, National Dairy Council and the agricultural colleges of the Southwest. Two hundred head of selected Holstein cattle brought from a number of states will compete as state herds in a show June 6. On Thursday, June 8 and Friday, June 9 these cattle will be sold at auction.

Among the speakers on the program for the occasion will be the following: Dr. E. V. McCullom of John Hopkins University; Dr. C. W. Larson of the United States Department of Agriculture; W. S. Moscrip of Minnesota; Dean F. B. Mumford of the Missouri College of Agriculture; Dean F. D. Farrell of the Kansas State Agricultural College and D. D. Akins, former President of the Holstein-Friesian Association of America. Secretary Wallace of the United States Department of Agriculture may also address the meeting if his office duties will permit him to do so.

Jayhawker's Farm Notes

By Harley Hatch

FARM work now has begun in earnest. Many fields of oats have been sown in the last week, but farmers are taking a long chance on the crop and are hoping for a season like that of 1912. So far the season has been a late one and if the lateness continues thru May and June, oats may make a crop yet. Little or no corn has been planted and only a small part of the ground has been plowed but teams can be seen in almost every field. Owing to the large acreage of wheat the corn acreage will again be small in Coffey county but more will be planted than last year on account of the light acreage sown to oats. The weather remains cold and prairie pasture is coming on slowly.

Heavy Rains Spoiled the Fodder

The heavy and continuous rains of the first part of April spoiled all the fodder either in shock or stack. On this farm we had corn fodder both in the shock and stack and when April 15 came both were of an equal degree of worthlessness. All that remained of feeding value was the corn. We gave the stock the remains of the fodder and fed ground feed at noon and hay in the morning but the yards were muddy and the cattle unsatisfied because they could both see and smell green grass. So on April 15 we opened the gates and all the cattle, both big and little went out to eat bluegrass. We took the feed bunks to the pasture and once a day we take out ground feed but they now seem to care little for it. Many farmers who are still keeping their cattle in the yards tell me they are feeding hay and grain as their fodder is virtually worthless.

Soil in Good Condition

I had supposd that the 15 inches of rain which fell in this locality between March 1 and April 15 would pack the soil and make plowing a very hard job. We have started the plows, both horse and tractor and find the ground works very well. Not so good, of course, as in the last two springs which were almost rainless, but for all the rain a good disking and harrowing are going to provide a good seedbed for the corn. We have 35 acres which was plowed last fall; this will be disked and then listed as it is high and dry upland with just enough slope to drain well. There are 33 acres to plow for corn and kafir; of this, not more than 10 acres will go in kafir and if the next two weeks are favorable not even that much will be planted. Most of the 33 acres are of a rather moist nature and dry much slower than ordinary upland. If it were not for this we could have all of it plowed in about four days by using a horse outfit along with the tractor but we will have to wait a little on some of it.

Tiling Provides Proper Drainage

This moist soil, which remains wet in a wet spring, could be tile drained rather easily as the land has plenty of fall, the soil is loose and porous and the distance to an outlet short. But the most of our seasons are dry rather than wet and these moist soils produce good corn in years so dry that the ordinary upland makes but little. It is possible that even in the dry years this moist land would produce just as well if drained and it might even do better but the production of this moist land has been so great during the last six years that we are satisfied to let it remain as it is, or at least until the work of draining can be done for less than it would cost today. The moisture is produced by rock strata. This rock does not crop out on top but the strata ends about 5 to 6 feet underground. The moisture feeds out along this strata until well along into the summer, even in a very dry year and this keeps the soil below moist for some distance. By running a tile drain just below the end of the rock we could catch all this moisture and take it out of the field but, in view of our dry summers, would it pay us to do so?

Irish Potatoes are Coming Up

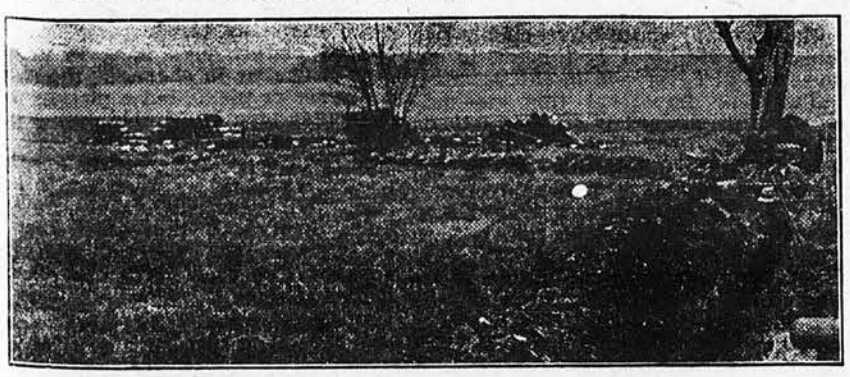
The early planted potatoes are coming up after being a full month under ground. The late potatoes were planted this week. The ground was manured, plowed and furrowed out with a cultivator. The potatoes were dropped in the furrows and the ground leveled and when they begin to start above ground the whole patch will be covered with wheat straw. This is the only way we have found to overcome the evil of late planting in this latitude. The mulch produces an artificial condition of moisture and coolness and a fair crop can be harvested even should the summer prove dry. The large garden has also been plowed, double disked and harrowed and part of it planted. This work put the soil in good condition which will go far toward overcoming the late planting. It is this garden which we depend upon to provide the bulk of our living this summer and to fill the cans for winter use. We find that with the pressure cooker any and all vegetables, fruit and meat may be canned but the most of the vegetable cans on this farm are filled with corn, tomatoes, beans and peas. Pickles of various kinds also fill many cans as well as pumpkin, beets and sweet potatoes. It is surprising how large a part of the living of seven persons can be raised on 1 acre of garden well tended and partly irrigated.

Make the Farm a Factory

We believe that the farmers of the West will be much more prosperous in the coming decade if they will try to make the farm primarily a place to produce the living for the family. After that can come the money crops but first of all should come the living.

It was this system which enabled the hill farms of New England, little farms of 50 or 60 acres, to provide a good, comfortable living for families of, in many instances, 10 to 12 persons. We can recall old hill farms there, long abandoned and thrown into larger farms, on which there flourished some 50 years ago families of six to 10 children. These children were well nourished, well clothed and given an education better than that given in the district schools of any other part of the country.

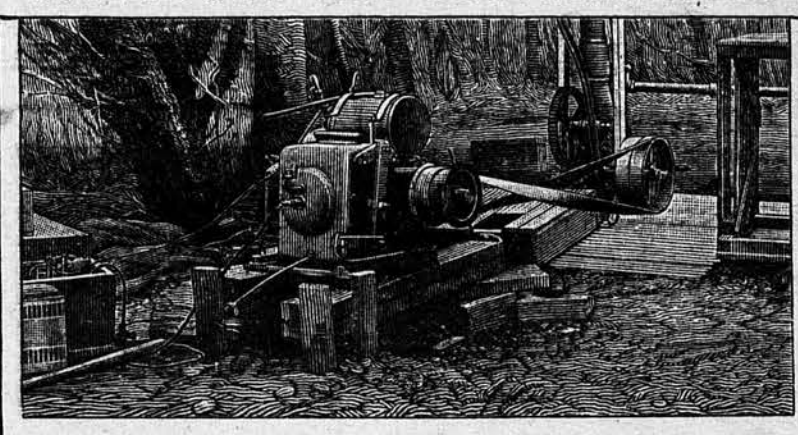
To look at such farms now with nothing but the ancient "cellar hole" to show where the home stood, to note the poor, shaly soil and the encroaching woods and bushes one cannot understand how a large family could be raised in comfort upon such farms. It was done by making the farm a factory on which, first of all, a living should be produced. We cannot go back to those old ways in their entirety, but I believe it would help if we would follow many more of the old ways.



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Our Kansas Farm Homes

Mrs. Ida Migliario
~EDITOR~

Short Cake Completes Feast

No feast is complete during berry season without short cake. There's something about the flavor of luscious fruit combined with cake that makes this dessert a favorite.

In my household this is the choice recipe for the cake:

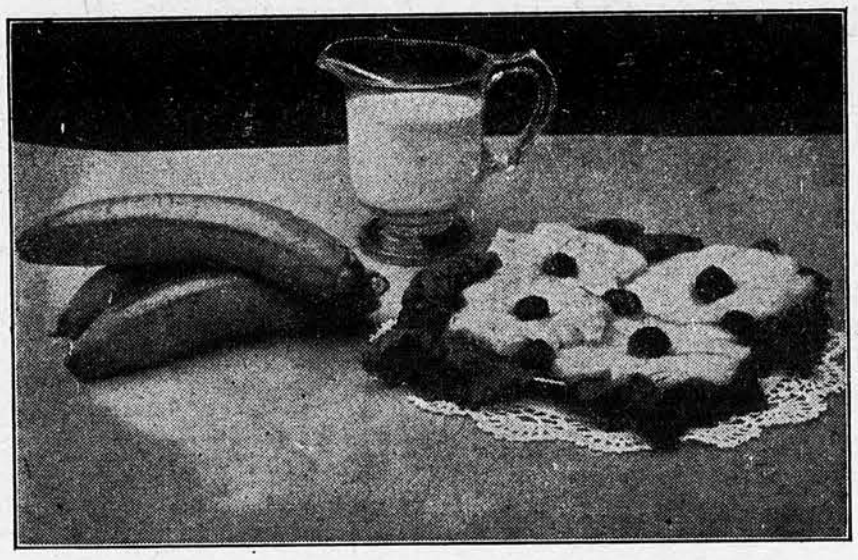
1½ cups flour	½ cup fat
½ cup cornstarch	½ teaspoon salt
4 teaspoons baking powder	¾ cup milk

Sift the dry ingredients, work in the fat and add the milk gradually to make a soft dough. Cut the dough in two parts and fit one-half to a tin. Butter the top and lay the other half on it. Bake in a hot oven and serve with sweetened berries on top and between the layers.

I get the berries ready before the cake is made. They are stemmed, washed, sprinkled generously with sugar and crushed with a potato masher or with a spoon.

When it is almost time to take the short cake from the oven, a little butter is placed in a saucepan and melted. The berries and sugar are added and stirred on the stove a few seconds, just long enough to warm the mixture slightly. The top of the short cake may be decorated with puffs of whipped cream and whole berries.

Strawberries, raspberries, currants and sliced peaches may be used in making this short cake. If sweetened currants are used, they are placed only between the layers while a meringue made from a stiffly beaten egg white sweetened with 2 tablespoons of sugar is spread on top. The short cake is set in the oven just long enough to brown the meringue delicately.



PINEAPPLE and strawberry salad is one of the spring dishes that always is welcome. Arrange a crisp lettuce leaf on a salad plate. On this lay a slice of pineapple and place a luscious strawberry in the center of the slice. Arrange a few strawberries around the pineapple. Sprinkle with powdered sugar. Serve with chilled whipped cream sweetened to taste. A salad to be served at the table is attractive. Choose a plate large enough to hold a slice of pineapple for every member of the family. Garnish with strawberries and whipped cream. Sliced banana may be added to the whipped cream for a change.

Porch Boxes Need Moisture

Boxes outside where off the ground and exposed to the air and wind are difficult places to keep plants growing. There are special boxes that have a provision for a water supply in the bottom with the real soil space raised enough to be above it, and with some kind of absorbing material to carry moisture to the soil gradually. The average housewife will seldom succeed with porch boxes without some such provision. A homemade box of this kind may be constructed.

Use just an ordinary box and in the bottom of it place flat pans such as dripping pans. Place in the pans two or three large sponges and then make a false bottom of strong wire covered with burlap or canvas and with a layer of absorbing material like Sphagnum moss. This false bottom should rest with some pressure on the sponges.

Fill up with the soil wanted and plant the box, arranging for filling the pans by short pipes extending to the top of the soil. Have a drainage hole in the bottom of the box so any overflow in filling the pans can escape.

The soil in the boxes should be rich and filled with humus and have a fair amount of sand to keep it loose. The surface should be kept stirred to prevent a crust forming at any time. Where exposed to sun and wind only hardy plants should be planted. Geraniums make very acceptable blooming plants for the middle of the boxes and some trailer should be planted along the edge to droop over the side.

On the side next to the light, sun loving plants will do well, but on the side next to the house it is best to grow plants that will make a neat covering even if the light is not good.

Variegated vinca is used extensively. It will send out long runners that can be looped and trained if this is desirable. Asparagus Sprengerii is excellent and so is the weeping lantana. Kenilworth ivy is good for the shady edge, and double sweet alyssum is liked by many. Dwarf nasturtiums for the top make a good showing and are preferred by some to the geraniums.

Bertha Alzada.

Fork as Key Substitute

When you wish to open a can of spiced meat, and find the key gone, try using a fork. Hook the loop left on the can for the purpose of opening, over the fork, putting it over one tine and under the next. Unseal the can by turning the fork, as tho it were the key. Then unroll the strip of tin to release the fork.

Pointers on Correct Dress

While talking to a group of high school girls about the choice of clothes Miss Louise Glanton, head of the clothing department of the Kansas State Agricultural College said:

"Do not wear anything that binds—a hat band, a sleeve, a belt or a shoe. The secret of being well dressed and of having the poise of a well dressed woman is to wear clothes that are so well made, fit so well and are so firmly fastened that once they are put on they are forgotten. No woman can ever appear well when she is uncomfortable, or conscious of a tight band, or an ill fitting, poorly fastened garment."

"If you are tall do not wear a feather standing up on your hat, nor stripes going up and down. If you incline to rotundity, ruffles and puffs going around and around are to be avoided."

"Subdued colors should be worn on the street. Gay colors such as henna are all right if they are subdued. Colorful frocks may be worn for afternoon and evening to your heart's content."

We Visit National Food Show

By Mrs. Ida Migliario

AN OUNCE of dehydrated rhubarb, which is just enough to fill an ordinary envelope, will make sufficient rhubarb sauce to serve six persons. That is one of the interesting things I learned at the National Food Show which was held in Kansas City, Mo., April 17 to 22.

When the demonstrator told me that was true I looked so skeptical that he gave me the ounce and told me to try it. I did. I put 1 pint of water on the rhubarb and let it soak over night. The next morning the rhubarb was as plump and well filled out as if it were just picked fresh from the garden. While I was preparing the morning meal I cooked the rhubarb in the water in which it was soaked and served it with the breakfast. Every one pronounced it as well flavored as any they had ever tasted.

New Way to Preserve Vegetables

At the booth that was exhibiting the dehydrator—which is made for home use—I saw corn, peas, string beans, tomatoes, turnips, cabbage, carrots, parsley, spinach, mustard leaves, and so on. These had had the moisture taken from them and were sealed either in cartons or glass jars. When they were soaked they had the same fresh color and the flavor of the growing product. A dehydrator will arrive at my house next week and I am going to preserve vegetables by dehydration this summer.

Mild Fruits Can be Jellied

It always has been a lamentable fact to me that some of the mild flavored fruit juices could not be used successfully for making jelly, this being true of strawberry, white grape, pineapple and peach juice. But at this show I saw a liquid pectin made from apple juice. It is said that a small amount of this added to a mild fruit juice will solidify it and not destroy the original flavor. That, too, is going to be tried at my house this summer.

Importance of Food

"Simpler Foods, Simpler Laws," was the theme around which Mrs. Ida Bailey Allen, food expert, built a series of demonstrative lectures. Mrs. Allen talked to hundreds of women every day showing them how to prepare simple dishes that would give inexpensive variety to their meals. She also told in an instructive way of how many times crimes have been committed by men and women because they were not fed properly when they were small. Feeding the human race requires as much serious thought and study as feeding the animal kingdom.

Novel Food Combinations

There were some novel gelatin molds on display. A large grape fruit had been cut in half and the pulp removed. The skin was filled with cherry gelatin. When the gelatin was set the halves were quartered. The gelatin was stiff enough to hold its shape perfectly. A big red tulip was molded in the center of lemon gelatin. A wreath of pansies was to be found in the center of another mold.

Ribbon sandwiches made of a layer of graham bread and a layer of white bread set together with thick layers of cream cheese suggested themselves as being especially suitable for the club. Served with a cup of tea they would make delicious refreshments.

A macaroni salad attracted my attention. It was made of joint macaroni cooked until tender and cooled. To this had been added chopped celery and pimento. These had been mixed with salad dressing and the salad served on a lettuce leaf.

When Boiling is Necessary

Boiling the clothes in laundering is an old, old custom. Most of us in these days wonder how necessary it is.

Scalding garments in a boiler filled with hot, soapy water accomplishes two things; it sterilizes and helps to remove the dirt loosened in the washing.

Just how important this sterilization is depends largely on the methods of washing. For instance, if a hot rinse is used—a scalding one in the machine—it makes boiling unnecessary. Hanging clothes outdoors in the sunshine and fresh air is another way to make certain they are in a good condition. Moreover, ironing is an excellent sterilizer since the heat of the iron is so great.

In case of illness it is best to boil the bedding and garments of the ill person, especially if the disease is contagious.

When boiling water bubbles thru the meshes of clothes in a boiler, the movement of this soapy water helps to remove some of the soil loosened in the washing. This same thing is accomplished, however, in rinsing clothes in a machine filled with hot water or by using a plunger with a tubful of hot water.

For these reasons, boiling is the easiest and most satisfactory process to use in washing clothes by hand, just as women ages ago discovered, but with the use of the machine, it is unnecessary.

Nell B. Nichols.

Picture Hanging Suggestions

Hang pictures of any size low enough so your eye when standing is about level with the middle of the picture. Place the picture over or near some piece of furniture to which it seems to belong, in a wall space somewhat the same shape as the picture. A panel shaped picture may hang in a space that is similar in shape, at the side of a dresser or piano, but a picture wider than it is high is suitable over a bookcase or mantel.

A few good sized pictures are more decorative than a great many small ones. If several small ones are to be hung together do not place them as stair steps, but put the tops in a straight line and leave only 2 or 3 inches between.

Hang pictures either so no wire shows, or with two wires showing, each parallel with the side of the frame and each extending in a vertical line to a separate hook on the molding.

Women's Service Corner

Send all questions to the Women's Service Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan. Give name and address. No names will be printed.

Parisian Sweets

How do you make Parisian sweets?—Mrs. M. Y.

I like this recipe for Parisian sweets:

1 pound figs
1 pound dates
Powdered sugar
1 pound English walnuts

Put figs, dates and nuts alternately thru a food grinder. Then run the ground fruits thru the grinder again using a fine knife. Knead the mixture on a board dusted with powdered sugar. Roll ⅛ inch thick with a rolling pin and cut into fancy shapes.

Smoothing Piano's Surface

Last winter my piano was blistered with the heat from the stove. Can I make the surface smooth again?—K. M.

Moisten finely powdered rottenstone with raw linseed oil. Rub the wood with a piece of felt dipped in this mixture. Use a circular motion and rub lightly but rapidly. Keep rubbing until you feel the surface of the wood getting hot. Moisten the rottenstone frequently with the oil. This will tend to make the surface smooth. Polish with furniture oil.

Veils are Popular

Is it good style to wear a veil?—Mrs. M. C.

Veils are very much in vogue. They are unusually pretty with their small dots of livid color which brighten the costume.

Red Bean Salad

Please print a recipe for red bean salad.—Mrs. G. B.

This recipe for red bean salad is unusually palatable.

1½ cups red kidney beans
9 sweet pickles
⅛ teaspoon Tobasco sauce
⅛ teaspoon Worcestershire sauce
3 tablespoons chopped celery
Lettuce

Mix ingredients and serve on lettuce leaves with boiled salad dressing.

Cooks Ahead on Rainy Days

With the coming of spring weather I always want to spend several hours outdoors every day. The garden lures me for I like to dig in the earth. Getting a good start with the chickens is always an ambition.

When rainy days come, as they do, I accomplish wonders in the house. The kitchen seems cheerful then. It is warm and comfortable. I do considerable baking, usually filling a large jar with cookies and frequently I also bake a cake. Sufficient potatoes are boiled for at least three meals. Sometimes I boil or bake a ham.

In this way the rainy day is spent wisely for the cooking takes little time on the morrow when it is bright outside and I want to get out. Mrs. B. G.

Douglas County.

Farm Home News

BY MRS. DORA L. THOMPSON

"Try my way of setting bread sponge and see if you don't like it," writes a reader of this paper. "Drain the water from boiled potatoes; add 1 or 2 potatoes, well mashed, ½ cup of sugar and, when lukewarm, drop into the mixture either 1 cake of dry yeast or 1 of compressed yeast. The absence of flour does not hinder the growth of the yeast plant and does prevent the 'starter' from souring.

"For the next baking of bread save 1 cup of the yeast starter, add more potato water and sugar and set away in a cool, dark place. After about the fourth baking, renew the starter with a fresh start and a new cake of yeast."

Possibilities in a Starter

We've tried the reader's suggestion and like it exceedingly well. There's almost no end to the possibilities in the use of such a starter. For bread, one of the main advantages is the lessening of the time usually required for baking. With 1 cup of starter to 3 cups of flour, one may make bread from sponge to baked loaf in a half day.

Very light buns may be made by mixing egg, sugar and butter into a part of the mixture or dough. Some think it adds to the lightness to work the egg into the dough after it has been allowed to rise once.

Raised doughnuts are possible by using a part of the dough, cut into doughnut shapes and fried in hot fat.

Cinnamon rolls may be made from a rolled sheet of the dough. Cut in strips and roll, placing the bottom end of the roll in a sugar and cinnamon mixture and them turning so the other end is coated. Allow to rise. Now they are ready for the oven.

These are just modified forms of the German coffee cake. Instead of cutting the sheet of dough into strips the German cook spreads melted butter over it and coats it thickly with sugar and cinnamon.

Cocoa Devil's Food

A chocolate cake that isn't really a chocolate cake is another recipe mailed by a reader. It is a cocoa devil's food. As most mothers have more occasion to use cocoa than chocolate, they may welcome a further use for it in cake form. The recipe follows: 1 cup of sugar, ½ cup of butter, 2 eggs, 4 heaping teaspoons of cocoa, 1 cup of sour milk, 1 scant teaspoon of soda, vanilla, and flour enough to make rather a thin batter. Melt the cocoa with boiling water, being careful not to get too much water on the cocoa. We have tried this recipe a number of times and find the comparatively thin batter makes a better, finer grained cake than does a thick batter.

A Useful Gift

A 5 gallon brass tank, air pressure sprayer promises to be a useful gift. We have been told that boiling hot brine sprayed with force into all the cracks and spaces in a chicken house will cook the mites and prevent their eggs from hatching. Whitewash, so applied, is another remedy for mites, while it has the added merit of cleaning, lighting, and disinfecting.

Applique Trims Child's Frock

1316—Child's One-piece Slip-on Dress. Sizes 2, 4 and 6 years. Size 4 requires 2 1-8 yards of 36-inch material with ½ yard of 36-inch contrasting material. Embroidery pattern No. 613 is 15 cents extra.

1322—Girls' One-piece Dress. Sizes 6, 8, 10, 12 and 14 years. Size 8 requires 2 yards of 36-inch material with 1-4 yard of 36-inch contrasting material.

1327—Woman's Apron. One size only. It requires 2 7-8 yards of 32-inch or wider material.

1334—Woman's Dress. Sizes 36, 38, 40, 42, 44, 46, 48 and 50 inches bust measure. Size 36 requires 4 7-8 yards of 36-inch material with 7-8 yard of 36-inch lining.



1333—Woman's and Misses' One-piece Slip-on Dress. Sizes 16 years and 36, 38, 40 and 42 inches bust measure. Size 36 requires 3¾ yards of 36-inch material with 5½ yards of 2-inch ribbon for trimming and sash.

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.—Adv.

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$15 Cash to Winner

The Kansas Farmer and Mail & Breeze will give **$15.00 in cash** to the person who complies with the rules of this contest and sends in the largest number of correct words made from the letters in the word "Goldminer."

A Prize for Every List of 20 or More Words

To every person who complies with the rules of the contest and sends twenty or more words, we will give his or her choice of the following articles: **String of Beads, Pocket Dictionary, four-lead Clutch Pencil, New Testament, Rag Doll, and a Stamped Organdie Collar and Cuff Set. Be sure to state choice of prize.**



GOLDMINER

See how many words you can make from the letters in "Goldminer." The Kansas Farmer and Mail & Breeze will give $15.00 in cash to the person who complies with the rules of this contest and sends in the largest list of words. If you can make 20 words and will comply with the rules you will win a prize.

Read These Rules Carefully:

1. Make as many words as you can from the letters in "GOLDMINER". A few of the words you can make are: dime, role and in. Do not use more letters in the same word than are in GOLDMINER. A letter cannot be used more than once in the same word.
2. Every list of words must be accompanied by a one-year subscription to the Kansas Farmer and Mail & Breeze, at $1.00 a year.
3. Proper names, prefixes, suffixes, obsolete and foreign words will not be counted. Words spelled alike but with different meanings will be counted as one word.
4. In case of a tie, each tying contestant will receive $15.00 cash.
5. This contest closes June 3, 1922.
6. Three disinterested persons will act as judges and their decision will be final.
7. Webster's New International Dictionary will be used as authority.

Send Your List TODAY. Contest Closes June 3. 1922.

KANSAS FARMER AND MAIL AND BREEZE
Topeka, Kansas

For Our Young Readers

Why Mr. Woodpecker Doesn't Get a Headache

BY COBB X. SHINN

RAP, rap, rap came on the side of Chatter's home up in the hollow tree. Chatter poked his head out to look, and there was Redhead, the woodpecker, hammering busily.

"Think there are worms in the side of my house?" asked Chatter, the squirrel.

Redhead stopped long enough to say, "Found six already," and went on hammering again.

"The mystery to me," said Chatter, "is how you use that head of yours for a hammer, and just pound and pound and pound and never get the headache."

"Yes, it is a mystery to most folks, for they don't know that I have a good shock absorber between my skull and



bill. Where the base of my bill is attached to my skull there is a thick piece of gristle that absorbs all the jar from the hardest blow. So, now you know why I never have the headache from hammering with my head," explained Redhead.

And with that he went hammering away again, looking for worms and bugs in the old dead tree.

When Springtime Comes

When the springtime comes the days get warm,
And we want thin clothes to wear;
We put winter clothes in our chests and trunks,
And pack them away with care.



Does the frog pack too when springtime comes,
And he wakes from his winter doze?
No; he puts on a nice, new, bright green suit,
And eats up his winter clothes.



—Alice Day Baker.

From Our Letter Writers

I am 11 years old and in the sixth grade. I enjoy the Kansas Farmer and Mail and Breeze. I had four pet chickens. Their names were Bonnie, Blackie, Molly and Polly. They were very tame. In the evenings when we sat on the porch they would jump on our heads and shoulders and into our laps. I live in town and we have no place for chickens so we took our pets to the country to my aunt. Louisa Bohm.
Cuba, Kan.

Bud and Rover are Good Dogs

I have two dogs and three cats. The dogs' names are Bud and Rover. They are good dogs. They catch rabbits and mice. The cats catch mice at home and the dogs catch them in the field. The little dog likes to fight the big one. I have a brother 14 years old. I am 8 years old and am in the third and fourth grade. Loyal Belin.
Milford, Kan.

A Little Boy's Lament

I read your page every week and surely like it. I am 9 years old. I have a pony named Beauty. She is a bay about 5 years old. I have eight kittens. Here is a rhyme:

I wish I was a little rock
A-sitting on a hill,
A-doing nothing all day long
But just a-sitting still!

I wouldn't eat, I wouldn't drink,
I wouldn't even wash!
I'd sit and sit a thousand years,
And rest myself, by gosh!

Anderson Co. Johnnie Rooney.

Can You Guess Them?

I am 13 years old and in the fifth grade. Here are some riddles:

Use me well and I'm everybody; scratch my back and I'm nobody. What am I?

Why is a bad half-dollar like something said in a whisper?

Haviland, Kan. Clarence Wheeler.

Grandma and Grandpa

One day when Ethel and Ralph Witt were playing Grandma and Grandpa their mother took their picture, and here it is. Ethel is 6 years old and



Ralph is 5, and they live in Mullinville, Kan. Don't you suppose they have lots of fun playing Grandma and Grandpa?

Quiz Corner Winners

To be a winner in the Quiz Corner, boys and girls, your answers must be absolutely correct; your paper must be perfectly neat; there must be no misspelled words. In answering the questions for April 15 (about the Kansas-Colorado irrigation controversy and so on) the following boys and girls, judging on the above basis, are winners. It would be difficult to pick just five winners (as was announced would be done) from these so there'll be small prizes for all of them.

Helen Pfost
Raymond Snyder
Alice May Harmon
Dale Clark
Edna Walker
Clinton Wahlgren
Ruth Davison
Arthur Hedges
Martha Kelley
Loda Noell
Viola Wilson
Lydia Schnabel
Esther Lindley
Helen Cook
Emma Wheeler
Louise Eisler
Ruth Anderson
Helen Jordan
Laberta Moore
Lenore Rosiska
Ruth Farrar
Lois Allison
Edna Brown
Elizabeth Siegfried
Faye Close
William Hitzing
Ella Carter
Ella Blank
Martha Letkeman
Lucile Head
Elva Ooton
Lloyd Cox
Evelyn Reeder
Oakla Wilson
Gladys Pierson
Ivah Chandler
Hilda Bowman
Anna Parker
Helen Simpson
Virgil Myers
Fern Warner



Another geography puzzle. This time it is the name of a country. When you find the answer send it to the Puzzle Editor, the Kansas Farmer and Mail and Breeze, Topeka, Kan. There will be packages of postcards for the first 10 boys or girls answering correctly.

Solution April 22 puzzle: China. The winners are Carl Bach, Ethel Reystead, Leona Fowler, Ethel Troutner, Raymond Fortin, Mary Crawford, Everett Byfield, Harold Maupin, Lee and Wilber Robinson and Evelyn Bohme.



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Health in the Family

BY DR. C. H. LERRIGO

Kidney Stone is Dangerous and Requires Treatment by a Specialist

In my medical experience I have encountered two ailments the pain of which rivals the maternal agonies of childbirth. One is that distressing heart affection known as angina pectoris, the other is kidney colic, usually due to attempts at passing renal calculi. These calculi are small concretions with sharp cutting edges varying from fine sand to pea size or even larger. They are called gravel, sand, or stone according to the fancy of the doctor and patient. A person with "sandy" urine may get along with little distress, but woe to him if this "sand" becomes "stone," and a sharp object, the size of a pea but with multiple points, attempts to cut its way down the quill sized ureter that leads from kidney to bladder.

Kidney stone often is preceded by a dull aching in the back. As a matter of fact this is the one form of kidney trouble that gives some justification for the well-known advertising pictures in which backache and kidneys are so vividly associated. The most deadly forms of kidney disease rarely manifest pain in the back as a marked symptom, but kidney stone does. Not only is it in the back but it spreads to the abdomen and down thru hip and thigh. The severity of the pain may double the patient up. He goes down on hands and knees in an effort to find relief. He is covered with cold sweat. He vomits. If he passes urine it is scanty, burning and perhaps bloody. A doctor who can administer a hypodermic injection of morphine is urgently needed, tho in some cases chloroform works well. Frequently relief comes quite suddenly with the passage of the stone and in a few hours the patient feels as well as ever.

A patient who has once had such an attack should be very particular to keep at hand some medicine to relieve the pain until medical attendance is available.

Treatment of this complaint is not very satisfactory. Medicine seems to have no appreciable effect on stones that have already been formed. Often a surgical operation is necessary. A very helpful measure is the habitual drinking of large quantities of water, preferably soft or distilled. Every adult person should make it a rule to drink 2 quarts of water a day, but to a person threatened with kidney stone the rule should become a religion.

To Cure Corns

Please tell me what to do for a hard corn on top of my toe.

What is the cause of soft corns and what would cure them? S. K. F.

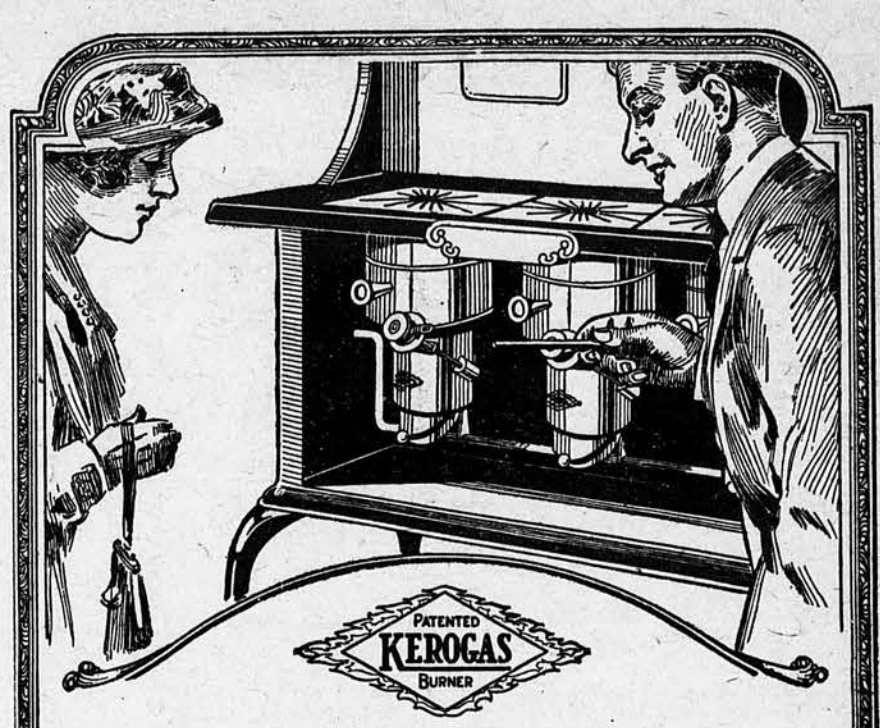
A soft corn is only different from a hard corn because, being located between the toes, it is kept constantly macerated with their excretions. A good way to cure corns is to cut narrow strips of surgeon's plaster and cover the surface of the corn, building it up around the edges so that pressure is removed from the tender core. This does not work quite so well with a soft corn. Many times a soft corn requires nothing more than a pledget of cotton to keep the toes apart, and dryness maintained by dusting with boracic acid powder. Where this is not sufficient, a preparation composed of 20 grains salicylic acid, 10 grains cannabis indica and a half ounce of flexible collodion may be painted on.

Foods That Contain Vitamines

I would like to know about the vitamines that are so much talked about lately. Are there as many vitamines in home brewed yeast as there are in the compressed yeast that is made in factories? Do they really heal constipation and have a beneficial effect on the nervous system? How much yeast should a person take at one dose in these cases and how often in one day? D. E. C.

Home brewed yeast is as good as any for its vitamine properties. However it is not necessary to eat yeast in order to get vitamines. They abound in such food as lettuce, cabbage, tomatoes, spinach and other fresh vegetables and are plentiful in milk, cream and butter. It is much better to cure your constipation by drinking an abundance of water and including bran bread, fruit and green vegetables in your diet.

D. B.'s attention is called to this also.



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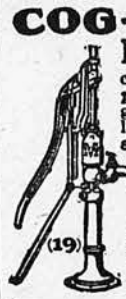
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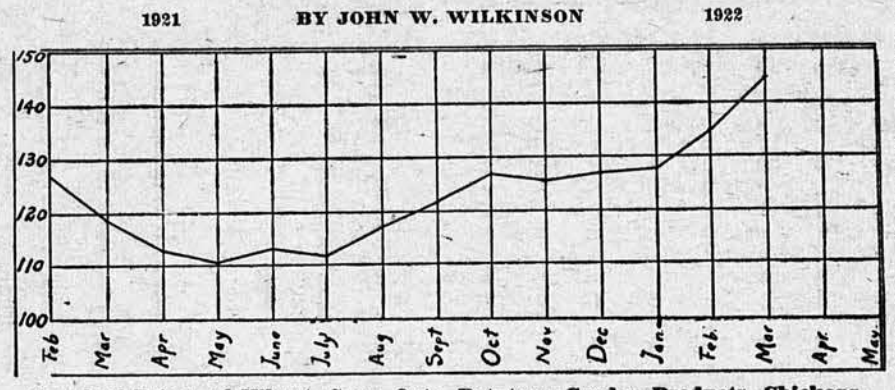
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Crop Prices Trend Upward

A Campaign for Better Wheat is Planned

BY JOHN W. WILKINSON



Trend of Prices of Wheat, Corn, Oats, Potatoes, Garden Products, Chickens, Hogs, Beef Cattle, Veal Calves, Cows, Sheep, Lambs and Wool

FARM work in general thruout the United States has been delayed from two to three weeks on account of unfavorable weather and flood conditions according to a survey of the crop situation for April made by the United States Department of Agriculture. Seeding of spring grains is late and there has been a big cut in the acreage of oats. Pastures and winter grains are in fairly good condition in practically all sections. Prospects for tree fruits and small fruits are rated in the survey as fairly good altho some injury was done by the late freezes and frosts. Larger supplies of truck crops are indicated so far as can be determined at this time.

Livestock generally is reported in good condition but much loss among hog raisers has been caused this spring by small litters and heavy mortality among spring pigs. Interest in dairying and feeding is much greater than it was during the fall and winter months.

Farm Price Trend is Upward

The general improvement in the prices of farm products since the low points reached last November has been encouraging to farmers everywhere. According to a recent report of the United States Department of Agriculture the level of prices paid producers of the United States for the principal crops increased about 1.8 per cent during March. In the last 10 years the price level increased about 2.9 per cent during March. On April 1 the index figure of prices was about 0.9 per cent higher than a year ago, 57.9 per cent lower than two years ago, and 27.7 per cent lower than the average of the past 10 years on April 1.

The prices of meat animals (hogs, cattle, sheep and chickens) to producers of the United States increased 8.4 per cent from February 15 to March 15. In the last 10 years prices increased in like period 4.4 per cent. On March 15 the index figure of prices for these meat animals was about 5.6 per cent lower than a year ago, 34.6 per cent lower than two years ago, and 12.1 per cent lower than the average of the last 10 years on March 15. General trend of farm prices on the base of 1910-1914 average is shown in the accompanying graph on this page for wheat, corn, oats, potatoes, cotton, garden products such as onions, cabbage, beans and the like, chickens, hogs, beef cattle, veal calves, sheep, lambs, cows and wool. The 1921-22 prices are expressed as per cents of the pre-war or 1910 to 1914 average prices for the corresponding months.

Kansas Crop Outlook is Good

The crop outlook in Kansas improved greatly during the month of April and the warmer weather that came at the close of the month was especially favorable for the spring planted crops. Wheat, oats and pasture crops have made a splendid start and now are in excellent condition. The amount of oats planted was considerably reduced on account of the wet and unfavorable weather at seeding time. A normal acreage of other crops is expected. In some sections a part of the area usually seeded to oats will be planted in corn or sorghum crops.

However, there is a widespread feeling among the farmers of the state that whatever crops are planted this year plans must be made to increase profits rather than production. If production is increased the quality must be improved enough to maintain profitable price levels.

A big campaign now is under way to increase the yield of wheat in the Southwest at least 2 bushels an acre, and to raise the price for the grower by improving the quality by not less than 5 cents a bushel. The winter wheat improvement committee of the Southwestern Millers' League headed by Harry G. Randall of the Midland Flour Milling Company of Kansas City is now formulating plans for carrying out this campaign.

It is the intention of this committee to issue a call to all farmer organizations, boards of agriculture, agricultural colleges, railroads and others interested to attend a meeting to be held in the near future to discuss methods and plans for putting across the campaign that will mean millions of dollars extra profits to farmers even if only the minimum aim is accomplished.

Members of the wheat improvement committee, in addition to Mr. Randall, the chairman, are: Chauncey Abbott, Jr., of the Omaha Flour Mills Company, Omaha, Neb.; J. R. Forsyth, of the Longmont Farmers' Mill and Elevator Company, Denver, Colo.; C. B. Warkentin, of the Newton Milling and Elevator Company, Newton, Kan.; K. E. Humphrey, of the El Reno Mill and Elevator Company, El Reno, Okla.; and E. R. Humphrey, of the Great Western Mill and Elevator Company, Amarillo, Tex.

The scope and importance of this undertaking, the greatest campaign ever attempted for the improvement of a single crop, was outlined last week by J. C. Mohler, of Topeka, secretary of the Kansas State Board of Agriculture.

"There is no reason," said Mr. Mohler, "why the profits obtained from growing winter wheat in Kansas and other Southwestern states, cannot be increased from 30 to 50 per cent. The average Kansas yield is only 14.3 bushels an acre altho Kansas land has been known to yield 70 bushels, and a yield of 35 bushels is frequent.

"Better cultural methods, superior seed and more attention to harvesting and threshing should, without difficulty, bring the average up several bushels an acre.

Will Add Millions in Wealth

"The campaign to accomplish just this result, will cover a territory normally embracing 21 million acres of wheat land. If it resulted in increasing the yield only 2 bushels an acre, it will mean that farmers will harvest 42 million additional bushels of wheat worth as many million dollars in an average year.

"Great emphasis will be placed on the opportunity of improving the quality of winter wheat grown in this section. Only one-ninth of the wheat received on the Kansas City market during the last year has graded No. 1 or No. 2. Eight-ninths has graded below No. 2, a large portion being very poor in quality.

"Much loss of quality is preventable," said Mr. Mohler. "Good seed is a first consideration. It will produce high quality grain. The job then is to keep that quality. It can be done by proper methods of harvesting, stacking or shocking, threshing and storage. It is hoped to interest farmers in giving more attention to keeping up the grade of their wheat so that it will grind into better flour."

Special County Reports

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

Anderson—We are having clear, cold weather but the fruit is all right so far. Pastures are slow in starting. Farmers are sowing oats as this is the first dry weather we have had since in March. Potatoes are being planted. Wheat is excellent. Potatoes are worth $1.50; eggs, 19c and cream is 30c.—J. W. Hendrix, April 30.

Barber—We have been having a considerable amount of rain and the ground is so wet that spring work cannot be continued. Some corn has been planted but all spring work is 50 per cent behind on account of too much moisture. Wheat is making a record growth. Pastured wheat has better show than that which was not pastured. Alfalfa is excellent. Pastures are good and all kinds of livestock have been turned out for grazing. Times generally are better.—Homer Hastings, April 30.

Barton—The early wheat is excellent but the late wheat lacks vitality. Oats are in excellent condition. Corn and kafir ground is being disked. Potatoes are being mulched. Pastures are nearly ready for cattle. Wheat is worth $1.30; corn, 50c; butter and butterfat, 30c and eggs are 20c.—E. J. Bird, April 30.

Clay—The temperature was 28 degrees on April 18 but it did not kill the fruit and the prospects this year are good. Some wheat fields are turning yellow and do not look as well as they did last week. Wheat in the northwest part of county is almost a total failure. Oats are unusually excellent. Some farmers have turned their livestock out on pastures. Prices at public sales are satisfactory. Corn planting will begin next week. Kafir seed has jumped from 65c to $1 a bushel. Wheat is selling for $1.22; corn, 50c; poultry, 20c; butterfat, 27c and hogs are $8.50; eggs, 20c; oats, 40c.—P. R. Forslund, April 30.

Cloud—The 24-hour rain which started April 23 made the ground too wet for cultivation. It was excellent for growing crops and pastures. There is not much livestock on pastures yet but a few days of warm weather will give the grass a good start. Fruit seems to have been uninjured by frost and promises a good crop. Potatoes are coming up but there has been very little corn planted yet and not much gardening done. Young cattle and hogs are numerous and doing well. Farm wages are about $35 a month.—W. H. Plumly, April 30.

Coffey—We are still having cold, wet weather. Very little corn has been planted and potatoes are not all planted, and some gardens have not been made. Grass is making a rather slow growth, however, stock has been put on pasture as wet weather has spoiled the feed. There are a few colts but the pig crop is light. Wheat looks yellow but is growing.—A. T. Stewart, April 29.

Cowley—We had a light freeze this week but very little damage was done. Farmers are planting corn. Alfalfa and wheat are making an excellent growth but oats are not doing so well. Cattle are being put on pasture but the grass is making a very slow growth. Milk cows are bringing from $30 to $50; hogs, 8c to 9c a pound; eggs, 17c; oats, 50c; hens, 19c and milk from 15c to 20c; cream, 35c; country butter, 30c; creamery butter, 35c; corn, 50c.—L. Thurber, April 29.

Doniphan—We are still having rain and the ground is thoroly soaked. Oats and grass seed have been sown, and farmers now are preparing the corn ground. Most of the wheat looks satisfactory. Trees are in full bloom. Most of the raspberries were killed. Strawberries are in bloom, but some of the early blossoms were frosted. Corn is worth 50c; wheat, $1.27; butter, 25c; cream, 30c and potatoes are $1.50; hogs, 10c.—B. B. Ellis, April 30.

Edwards—All kinds of livestock are in fair condition. Horses are selling at low prices. Wheat is unsatisfactory in most places. Moisture is plentiful. Good horses are selling for from $50 to $60.—F. A. Carlson, April 29.

Douglas—The weather is too cool for good growing weather. Oats and wheat are excellent. Corn planting is in progress. Potatoes are coming up. Alfalfa will be ready to cut in two weeks. Fruit has not been injured by cold weather so far. Farmers have been delayed in their corn planting on account of wet weather. Our county farm agent is kept busy priming and spraying orchards, culling poultry, and poisoning gophers. Wheat is worth $1.20; corn, 53c; butter, 35c and eggs are 20c; hens, 19c; sheep, $8.25; cattle, $8.35; hogs, $8.50.—Mrs. O. L. Cox, April 29.

Elk—Corn planting is nearly 10 days later than usual on account of unfavorable weather. Some cattle are being turned out on grass. Wheat is beginning to stool. Fruit is in very good condition. The acreage of oats is below normal on account of wet weather in March. Some Texas cattle are arriving for the Flint Hill pastures. There is an excellent pig crop.—D. W. Lockhart, April 30.

Finney—We are having excellent weather and there is plenty of moisture which is good for the wheat, oats and barley. All of the wheat, oats and barley look satisfactory and there is more out than before. Not many sales are being held now. Eggs are worth 17c and butter is 15c and 20c.—Max Engler, April 29.

Graham—We have had several good rains and snows sufficient to wet the soil to a good depth. Some fields of wheat are good and others are very poor. The wheat crop will be very uneven. The estimate is around a half crop for the whole county. Barley has been sown and much of it is showing above the ground. Corn planting will begin in earnest about April 25. All kinds of livestock are doing well and a greater part will be put out on pasture by the first of May. The backward spring has been favorable for the fruit which promises a good crop. Eggs are worth 20c; hogs, $9 and corn is 50c; butterfat, 28c.—C. L. Kobler, April 29.

Gray—We had an excellent rain on April 22. We received ¼ inch and three miles north 3 inches fell and there was good rain a few miles south. Hope we will get our share soon. Wheat is coming out nicely. A considerable amount of it has been abandoned owing to the drouth, but that on plowed ground and early seeded land is good. A neighbor 2 miles north has excellent wheat; ground was tractor plowed in May and during harvest grew up in foxtail grass and they plowed it again before drilling. It was a great deal of work but it looks as if they will be repaid.—A. E. Alexander, April 29.

Greenwood—We have been having very cool, wet weather. More than 17½ inches of rain has fallen since March 3, and it has rained five days during the past week. Many fields of wheat are looking yellow. Wheat and oats are making a fair growth. Practically no corn has been planted and it will be nearly a week before farmers can get in the fields. Farmers are farther behind with their work than for some time.—John H. Fox, April 29.

Hamilton—We have had three good rains during the last week, and the ground is thoroly soaked but the soil is cold. Pastures will not do to graze yet and stockmen are still feeding. The snow storm and blizzard April 10 killed more than 300 cattle and many young calves, hogs, pigs, sheep and a large number of lambs. It was the most destructive storm we have had for 25 years. Wheat, rye, barley and oats are excellent. There have been a number of cases of "flu" and some cases have been fatal. Farmers are planning to put in big crops this year. Horses and mules are very slow sale and bring low prices. Stock cattle are in good demand. Milo is worth $1.30; corn, $1.50 a hundred; butter, 35c; cream, 30c and eggs are 16c; hens, 15c; hogs, $6.60; milk cows, $50 to $80.—W. H. Brown, April 30.

Harvey—The big frost on the night of April 17 did not seem to injure the fruit blossoms and prospects are encouraging. Wheat and alfalfa are excellent and are making a satisfactory growth. Butter is worth 35c; wheat, $1.20; flour, $1.30 and eggs are 18c; potatoes, $1.50.—H. W. Prouty, April 30.

Jackson—We have been having dry weather during the last week which has given farmers a chance to work in the fields. Sowing of oats has been completed. Farmers are disking corn ground, cutting stalks and plowing for corn. The ground is crusted on top and we need a good shower. Fruit was damaged some by freezing during the past week. Some stock is on pasture.—F. O. Grubbs, April 29.

Jewell—A part of the eastern side of the state is under water but Jewell county is still dry. Oats and barley are getting a good start but if we do not receive rain soon they will suffer. A few farmers are planting corn but others will wait until it rains before they plant. Pastures are not making a satisfactory growth and feed is getting scarce.—U. S. Godding, April 29.

Labette—We have been having a great deal of rain. Oats will make a very poor crop this year. Wheat looks satisfactory on the uplands. There has been a considerable amount of trouble getting a stand of potatoes. Every bush, vine and tree is loaded with blossoms, even the gooseberries, but we are not sure they have not been injured. Very little corn has been planted. Roads are very muddy. Good luck with chicks has been reported. Bran is worth $1.30; flour, $1.50; corn, 60c and eggs are 35c.—J. N. McLane, April 30.

Lane—Wheat is getting weedy. Barley and grass are starting nicely. No sales have been held during the past week. A few farmers are sowing barley yet. Butterfat is worth 25c and eggs are 15c.—S. F. Dickinson, April 29.

Lincoln—We are having dry, windy weather and wheat is needing moisture. All early sown wheat is good but late sown is thin and uneven and some will be listed to corn. Pastures are not making a very rapid growth. The alfalfa died out during the winter for some cause. Colt crop is one-half normal. Wheat is worth $1.50; corn, 60c; cream, 38c and eggs are 21c.—E. J. G. Wacker, April 30.

Linn—After a long, dreary wet spell farmers are now thinking of getting in the fields. But few fields of oats have been planted and many will not sow as it is too late. No potatoes have been planted nor no gardens have been made. There is plenty of feed but some have turned their stock on pastures. Fruit trees are in full bloom. Farmers will be busy if it keeps dry a while. Roads are being dragged and will be in good condition. There is a large number of young pigs and chicks. Wheat is worth $1.15; corn, 50c; flax, $2; flour, $1.70 and shorts are $1.59; eggs, 18c; springs, 15c; hens, 18c; oats, 45c.—J. W. Clinesmith, April 30.

Miami—Very few fields of oats had been sown until the last few days. The acreage of oats will be below normal. Fields are nearly all too wet to work yet. Wheat is backward and many of the fields show a very thin stand. Pastures are excellent.—F. J. Haefele, April 30.

Nemaha—We had a cold rain all night April 23 and sunshine is needed badly. Our

(Continued on Page 33)

Prize Money for Calf Clubs

STRICTLY in line with the growing importance of calf club work particularly at state and interstate fairs and the larger sectional shows, the Holstein-Friesian Association of America announces special prizes for calf club classes during 1922.

Awards at the shows will be made in proportion to the calf club work that has been done in the various states and the support given to calf club classes at fairs by the Fair Association and the Holstein breeders of the state.

State Club leaders and State Fair secretaries must have application for this money in the office of the Holstein-Friesian Association of America, Extension Service, 910 S. Michigan Ave., Chicago, Ill., by May 15. Special prizes are offered at the National Dairy Show for county calf club and state calf club herds.

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 dozen 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.

A Promising Ayrshire Farm

Dairy Cows Bring Success to John Linn

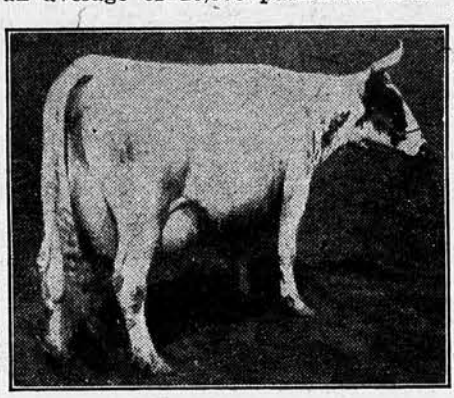
J. H. FRANDSEN

IN THE mind of John Linn, there is no better place for dairying than Kansas, and if you leave it to John, you will be assured that there is no better cow for Kansas than the good old Ayrshire cow. Judging from the success of John Linn & Sons with their Ayrshire herd, one would conclude that quite likely they are about right.

Linndale Farms, comprising 480 acres, lies a few miles from Manhattan, and is owned and managed by John Linn and his four sons. The farm is a typical dairy farm. It has exceedingly fertile land for the growing of the necessary crops. There are also ideal pasture facilities with abundance of good running water the year round, and timber a plenty to keep cows cool and comfortable. Just to make the Ayrshire cow feel entirely at home, there are liberal stretches of extremely hilly land included in the pasture.

An Excellent Record

This herd is free from tuberculosis, having been tested by both state and federal authorities. Forty-five official tests have just been completed, 13 of which are with mature cows, six with 4-year-olds, seven with 3-year-olds, and 19 with 2-year-olds, the latter with an average of 10,306 pounds of milk



This is Alta Drummond of Oakdale

and 410.23 pounds of fat. To get a little better slant as to just what they have been doing in breeding up the herd, mention may be made that the entire average for the breed for this class is only 9,907 pounds of milk and 393.73 pounds of fat.

Among the most noteworthy records completed during 1921 is that of Rob's Buttercup, with 19,267 pounds of milk and 704.95 pounds of fat. This has the distinction of being the highest Ayrshire record in the United States for 1921, and therefore wins the "French Silver Trophy" for 1921.

Another record of note is that of Bell's Bell 2d, with 15,157 pounds of milk and 645.29 pounds of fat.

Two Noted Sires

Linndale Farms not only made these records on their cows, but they also qualified their two herd bulls in Advanced Registry. These noted sires are Elizabeth's Good Gift and Henderson's Dairy King.

Mr. Linn is an enthusiast for dairying, and feels that the dairy cow has done much for him and his good family. It is not so many years since Mr. Linn was trying hard to make a living in Western Kansas, depending entirely on wheat. He selected his present farm for two reasons: First, he considered it an ideal dairy farm, and second, he wished to be near Manhattan, so that his boys might have the opportunity of a course in the agricultural college. Mr. Linn is always anxious to help anyone trying to get a start in dairying, and beginners would gain much inspiration from a visit to the Linndale Ayrshire Farms.

Kansas Fairs in 1922

The following is a list of the fairs to be held in Kansas in 1922, their dates, locations and secretaries as reported to the Kansas State Board of Agriculture and compiled by Secretary J. C. Mohler.

State fairs will be as follows:

Kansas State Fair—A. L. Sponsler, Secretary, Hutchinson; September 16-22.

Kansas Free Fair Association—Phil Eastman, Secretary, Topeka; September 11-16.

International Wheat Show—W. E. Holmes, Executive Secretary, Wichita. Dates will be announced later.

The following is a list of the county fairs and their secretaries:

Allen County Agricultural Society—Dr. F. S. Beattie, Secretary, Iola; August 28 to September 1.

Barber County Fair Association—J. M. Molz, Secretary, Hardtner; August 31-September 2.

Barton County Fair Association—Fred Hans, Secretary, Great Bend; October 3-6.

Bourbon County Fair Association—W. A. Stroud, Secretary, Uniontown; September 19-22.

Brown County-Hiawatha Fair Association—Blair Syster, Secretary, Hiawatha; August 28-September 1.

Chase County Fair Association—C. A. Sayre, President, Cottonwood Falls; September 6-9.

Cherokee County Fair Association—C. J. Pruyn, Secretary, Columbus; August 8-11.

Clark County Fair Association—T. R. Cauthers, Secretary, Ashland; September 13-16.

Clay County Fair Association—W. E. Need, Secretary, Clay Center; last week of September or first week of October.

Coffey County Agricultural Fair Association—C. T. Sherwood, Secretary, Burlington; September 19-22.

Cowley County Fair Association—W. T. Mahan, Secretary, Burden; September 6-8.

Comanche County Agricultural Fair Association—A. L. Beeley, Secretary, Coldwater; September 5-9.

Crawford County Fair Association—Parker Bailey, Secretary, Girard; September 12-15.

Doniphan County Fair Association—C. R. Hewins, Secretary, Troy; no dates announced.

Douglas County Fair and Agricultural Society—O. J. Lane, Secretary, Lawrence; September 19-22.

Ellis County-Golden Belt Fair Association—H. W. Chittenden, Secretary, Hays; September 26-29.

Ellsworth County-Wilson Co-operative Fair Association—C. A. Kyner, Secretary, Wilson; September 26-29.

Ford County-Great Southwest Fair—M. W. Drehmer, Secretary, Dodge City; about October 10 or 15.

Franklin County Agricultural Society—P. P. Elder, Jr., Secretary, Ottawa; September 5-9.

Franklin County-Lane Agricultural Fair Association—Floyd B. Martin, Secretary, Lane; September 1-2.

Gray County Fair Association—J. W. Phelps, President, Cimarron; September 20-22.

Greenwood County Fair Association—Wm. Bays, Secretary, Eureka; August 22-25.

Harper County-The Anthony Fair Association—O. F. Morrison, Secretary, Anthony; August 2-5.

Harper County-Harper County Breeders' Association—M. V. Stanley, Secretary, Anthony; October 25-28.

Jackson County Stock Show and Free Fair Association—Charles W. Porterfield, Secretary, Holton.

Jefferson County-Valley Falls Fair and Stock Show—Lou Hauck, Secretary, Valley Falls; September 26-29.

Labette County Fair Association—Clarence Montgomery, Secretary, Oswego; August 29 to September 1.

Lincoln County Agricultural and Fair Association—E. A. McFarland, Secretary, Lincoln, September 26-29.

Lincoln County-Sylvan Grove Fair and Agricultural Association—G. W. Kretzmann, Secretary; Sylvan Grove, about October 3-5.

Linn County Fair Association—C. J. Strong, Secretary, Mound City; no dates announced.

Lyon County-Central Kansas Fair and Sales Association—Frank Lostutter, Secretary, Emporia; no dates reported yet.

Marshall County Stock Show and Fair Association—J. N. Wanamaker, Secretary, Blue Rapids; August 29-September 1.

Meade County Fair Association—T. N. Walters, Secretary, Meade; August 29-September 1.

Mitchell County Fair Association—Ira N. Tice, Secretary, Beloit; September 26-30.

Montgomery County Fair Association—Elliott Irvin, Secretary, Coffeyville; August 21-25.

Nemaha Fair Association—J. C. Grindle, Secretary, Seneca; September 5-8.

Neosho County Agricultural Society—George K. Bideau, Secretary, Chanute; September 26-30.

Norton County Agricultural Association—A. J. Johnson, Secretary, Norton; August 29-September 1.

Osage County-Overbrook Free Fair Association—J. A. Kesler, Secretary, Overbrook; September 28-30.

Pawnee County Agricultural Association—H. M. Lawton, Secretary, Larned; September 27-29.

Phillips County-Four County Fair Association—W. W. Chestnut, Secretary, Logan; September 12-15.

Pottawatomie County Fair Association—C. Haughawout, Secretary, Onaga; September 20-22.

Rawlins County-McDonald Community Fair—Bert Powell, Secretary, McDonald; September 27-30.

Republic County-Northcentral Kansas Free Gate Fair Association—Dr. W. R. Barnard, Secretary, Belleville; no dates announced.

Rooks County Fair Association—D. F. Burlin, Secretary, Stockton; first week in September.

Russell County Fair Association—H. A. Dawson, Secretary, Russell; October 3-6.

Rush County Agricultural and Fair Association—T. C. Rudicel, Secretary, Rush Center; September 6-8.

Saline County Agricultural, Horticultural and Mechanical Association—Charles H. Bren, Secretary, Salina; no dates reported.

Smith County Fair Association—John I. Morehead, Secretary, Smith Center; August 29-September 1.

Stafford County Stock Show—E. A. Briles, Secretary, Stafford; October 17-20.

Trego County Fair Association—S. J. Straw, Secretary, Wakeeney; first part of September.

Washington County Stock Show—J. V. Hepler, Manager, Washington; first week in October.

Wichita County Agricultural and Fair Association—Hugh Glenn, President, Leoti; no dates announced yet.

Wilson County Fair Association—W. C. Cantrall, Secretary, Fredonia; August 15-18.



He lost enough cream every six months to pay for a DE LAVAL

"I had a cream separator that I had been using and thought was all right. I have five cows and had been selling cream and feeding skimmilk to hogs as fast as separated. A few days ago I sold the hogs and left the skimmed milk in the can. The next day I noticed cream on it. I was so surprised that I skimmed it off by hand, churned it and made one pound and six ounces of butter.

"It took little figuring to show how much cream I had been feeding my hogs each day. I figured I had paid the price of a No. 15 De Laval every six months."

This letter is typical of many letters we receive.

Perhaps this same thing is happening to you and you don't realize it. If you are using an old or partly worn-out separator, or are skimming by hand, undoubtedly you are wasting enough cream to pay for a De Laval in a short time. The waste of cream occurring every day is criminal—more than enough to pay for the entire output of the De Laval Factory.

Most any kind of cream separator will do fairly good work the first few months, when it is new. But if it is cheaply made, after the first few months your trouble will begin.

And the worst of your experience with such a machine will not be the fact that it wears out quickly or that it runs hard, or that you are piling up repair expenses, but that you are losing a lot of butter-fat.

Why take chances at all when you can get a De Laval which has won hundreds of prizes, thousands of contests, and is used by millions. Experience has proved that it is the best cream separator that money can buy, and in the long run the cheapest.

Order your De Laval now and let it begin saving cream right away. See the local De Laval Agent, or if you don't know him, write to nearest office.

The De Laval Separator Co.

New York 165 Broadway
Chicago 29 E. Madison St.
San Francisco 61 Beale St.

Sooner or later you will use a
De Laval
Cream Separator and Milker

The Kansas Farmer's Business

Market News — Buying and Selling

By John W. Samuels

DOWNWARD trends in prices hit all industries a hard blow in 1921 and this was especially true of farming and the livestock industry. The low points reached in market levels last November for livestock were especially discouraging to stockmen and caused many of them to quit and to go into other lines of business. So it is not surprising that a recent report of the United States Department shows a heavy decline in the value of farm animals for 1921. This value is estimated by the United States Department of Agriculture to be $1,937,000,000 for the entire country.

Why Values Slumped

This is a drop from $2,999,000,000 in 1920, and from $4,146,000,000 in 1919. The decline from 1920 to 1921 was almost entirely due to lower animal prices. The decline from 1919 to 1920 was the result of a diminished number of beef cattle, sheep and hogs raised and the high cost of feed.

Calf slaughter for veal remained high thruout the three years, and the replenishment of milk cows continued. Veal was the only meat the production of which seems not to have been uneconomic in 1919 and 1920. Production of sheep was handicapped by a low wool market.

The value of beef cattle raised fell from 967 million dollars in 1919 to 596 million dollars in 1920 and to 389 million dollars in 1921. Sheep and lambs declined from 134 million dollars in 1919 to 82 million dollars in 1920 and to 47 million dollars in 1921. Swine dropped from $2,219,000,000 to $1,523,000,000 and to 954 million dollars. The value of horses raised fell from 146 million dollars in 1919 to 105 million dollars in 1921; of mules from 60 million dollars in 1919 to 43 million dollars in 1921.

Classification of animals raised in 1921 according to their uses affords interesting totals. The value of meat animals was $1,788,000,000. Some of these animals also yielded animal fiber, and some for a period of years performed service for the dairy. The value of animals raised for the purpose of providing power was 149 million dollars.

Dairy Products Show Declines

The value of dairy products on farms in 1921 was $2,410,000,000, a drop of 20 per cent from 1920. The 1920 value was $3,025,000,000 as compared with $2,970,000,000 in 1919, during which period the value of animals raised on farms declined sharply.

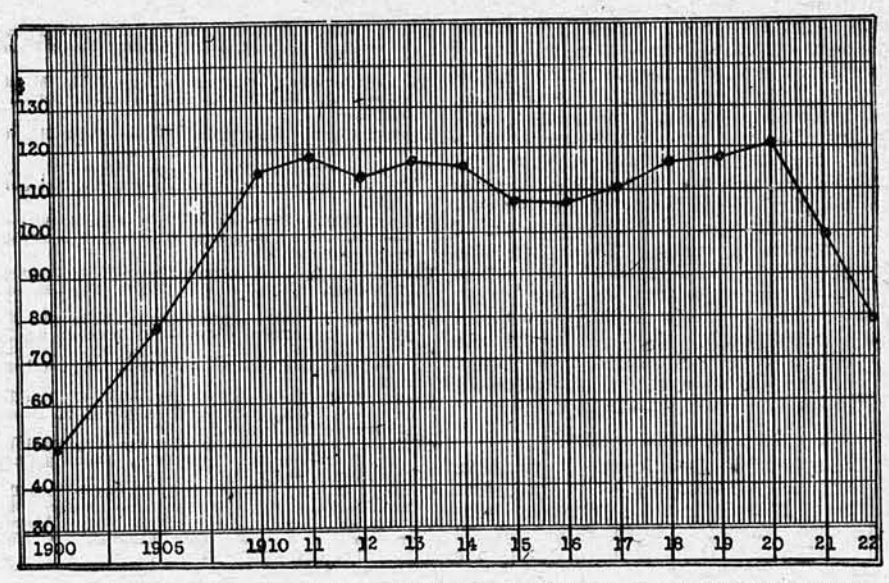
Poultry Also Shrinks

The total value of poultry and eggs produced on farms in 1921 was 943 million dollars. Of this total, approximately 401 million dollars was for poultry and 542 million dollars for eggs. Production of poultry was 526 million chickens and nearly 24 million other fowls. Production of eggs was 1,837,000,000 dozen chicken eggs, and 6 million dozen eggs from all other poultry.

The 1921 value of all poultry raised on farms in the United States was a drop from 456 million dollars in 1920, and from 417 million dollars in 1919.

Farm Prices Now Advancing

However, it is comforting now to know that 1921 seems to have been the turning point and since last November prices for farm products have been improving and the general trend has been upward altho there have been occasional recessions. In fact prices of many general farm products have scored marked advances since the beginning of the present year. However, horses and mules have remained comparatively stationary despite the great optimism now pervading most farm districts. The variations in the average price of horses and mules from 1900 to 1922 is shown in a very interesting way by the accompanying graph on this page recently prepared by the Bureau of Research of the Capper Farm Press from data collected in 18 of the leading Western states. However, there were marked declines in 1920 and 1921 which are shown in the accompanying graph.



Graph Showing Average Prices of Horses and Mules in 18 Western States from 1900 to 1922. Note the Sharp Declines in 1920 and 1921

Stockmen of Kansas are much pleased with the report that Congress is giving attention to their needs and they are especially pleased with the Curtis measure sponsored by Senator Curtis and Senator Capper to repay Kansas for losses caused when Federal inspectors let cattle infested with ticks come into the state from Texas.

In April three years ago a score or more of Kansas livestock men shipped from the Fort Worth, Tex., stockyards, 4,231 head of Texas cattle that thru the negligence of the veterinary inspectors of the Bureau of Animal Industry, Department of Agriculture, had not been properly dipped.

Federal Money for Kansas Stockmen

The bill which Senator Curtis put thru the Senate appropriates $245,258.12 to reimburse Kansas stockmen for these losses.

It is believed the bill will pass the House also, as it has the indorsement of the Secretary of Agriculture, the culpability of the inspectors being admitted. The bill was referred to the committee on claims in the Senate of which Senator Capper is chairman. Senator Capper reported the bill favorably on February 13, and under the guidance of Senator Curtis, it went thru the Senate without a dissenting vote.

There is always danger of cattle bringing in ticks from Texas during the grazing season unless the Federal Inspectors are exceedingly careful.

The aggregate number of cattle to be grazed in Kansas this season will fall short of a year ago which was also an off year, the United States Department of Agriculture reports. This is in spite of an increase in cattle from Southern Texas because of a new dipping rule which gives buyers access for grazing purposes to many aged steers in that country.

Owners of Kansas grass lands have leased about all their pastures for the season, the Department also reports. Most of the steer pastures in Greenwood, Chase, Wabaunsee, and Butler counties has been leased at $8 to $8.75 a head for the season, altho leases at $9 are not uncommon, and a few in Chase county were made at $9.25. In Wabaunsee county some leases were made up to $10, the highest for the year.

Cheaper Pastures Now

Prices for pasture average $1.50 to $2.50 lower than a year ago and show a decline of about $4 since 1920. Much of the pasture costing $8.50 to $9 this season was leased a year ago at $10 to $12 and during 1919, when pasture rentals soared to a record level, the same pastures cost $18 to $20. Some pasture for cows has been leased at $6 to $7 a head for the season.

Most of the pasture for steers is on a basis of 4 to 5 acres a head. Most of the steers will be 3 and 4 year olds.

Livestock Higher This Week

At Kansas City this week all livestock prices were higher and the market showed a strong improvement in every way.

Cattle, hogs, and sheep came in for a general advance this week and while the full gain for lambs was not maintained they were 25 to 40 cents higher than last week. Fat cattle broke 15 to 25 cents Monday and started up on Tuesday, closing with a 25 to 40 cent net advance. Choice 1,500 pound steers sold up to $8.60 and 700 pound yearlings up to $8.50. Hogs were in active demand and 15 to 20 cents net higher, with large demand from packers.

Receipts this week were 32,725 cattle, 3,400 calves, 43,600 hogs, and 32,725 sheep, compared with 30,525 cattle, 3,900 calves, 46,100 hogs, and 24,100 sheep last week, and 32,600 cattle, 3,950 calves, 59,750 hogs and 44,475 sheep a year ago.

After opening at lower prices this week the cattle market started up on Tuesday and closed the week firm and 25 to 40 cents net higher. Demand was large and from all sources. Eastern seaboard cities bought heavy cattle freely and shipping outlet for light and medium weight grades was large. Local killers bought all classes freely. The top price of the week, $8.60, was paid for prime 1,505 pound steers. Choice yearling, light and medium weight steers sold mostly at $7.75 to $8.50. The top on mixed yearlings was $8.50. Western steers sold up to $8.35 and Texas steers up to $8.10. A few odd heifers sold up to $8.75, full loads, $8.40. The top for prime cows was $7. Veal calves were 50 cents higher.

Thin cattle were in active demand all week and prices ruled strong to 25 cents higher. The bulk of the inquiry was on grazing accounts, tho there was a better demand for fleshy feeders than last week.

Top for Hogs is $10.35

Hog prices at the close of the market averaged 5 to 10 cents higher than Thursday and 15 to 20 cents higher than a week ago. The top price was $10.35 and bulk of sales $10.15 to $10.35. Trade was active the entire week with packers taking the lead in buying. Markets that depend on a shipping outlet to sustain prices for light weight hogs showed no advance and prices at some Eastern markets were lower. The top price for pigs was $10.45 and the highest for sometime past.

Sheep and Lambs

In the first three days of the week prices for sheep and lambs were advanced rapidly and on Wednesday the high levels of the season were reached. Prime lambs sold up to $16, prime clipped lambs $14 and clipped Texas sheep, $9.75. In the last two days of the week about 50 cents of the advance was lost.

Horses and Mules

Trade in choice heavy horses and mules was active at strong prices. Plain and ordinary kinds sold slowly. Big horses and mules are being taken into oil fields.

The following quotations are given at Kansas City on horses: Drafters weighing 1,500 to 1,700 pounds, $100 to $225; fair to good drafters, $60 to $100; medium chunks, $60 to $85; fancy drivers $100 and upward; medium to good drivers, $50 to $85; Southerners, $60 to $100; plugs, $10 to $25.

The following prices are quoted on good work mules, 4 to 7 years old: Common to good mules, 13½ to 14 hands high, $25 to $85; 14 to 15½ hands, $50 to $85; 15 to 15½ hands, $85 to $125; 15½ to 16 hands, $100 to $140; extra big mules, $200 to $260.

Dairy and Poultry

The following quotations are given at Kansas City on poultry and poultry products:

Eggs—Firsts, 22c a dozen; seconds, 19c; case lots, 28c; Southern eggs, 18 to 21c.

Live Poultry—Hens, 22c; broilers, 50c; roosters, 12½c; turkeys, 34c; old toms, 31c; geese, 12c; ducks, 22c.

The following quotations on dairy products are given at Kansas City this week:

Butter—Creamery, extra, in cartons, 41c a pound; packing butter, 17c; butterfat, 33c; Longhorn cheese, 17½c; Brick cheese, 17¼c; imported Roquefort, 68c; Limburger, 23c; New York Cheddars, 24c; Swiss cheese, 38c.

Hides and Wool

The following quotations are reported at Kansas City on Kansas, Oklahoma and Nebraska wool:

Bright medium wool, 21 to 23c; dark medium, 18 to 20c; light fine, 20 to 22c; heavy fine, 15 to 18c; light fine Colorado, New Mexico, Utah and Texas wool, 20 to 25c.

The following prices on hides are quoted at Kansas City: No. 1 green salted hides, 8c a pound; No. 2 hides, 7c; side brands, 4c; bulls, 4c; green

(Continued on Page 32)

The Question of Duties on Hides

RECENT reports from Washington state that the outlook is doubtful for the duty on hides which Western cattle interests clamor for, but that a majority can be obtained in both houses for the compromise proposition of free hides, free leather and free shoes.

If the farmer can work a compromise on this basis he will be ahead of the game. He is a user of leather in many forms and if duties are imposed on leather goods and shoes he as buyer of these articles will pay the tax not only on the finished products but on the hides as well. If he can assure himself of free shoes and a home market for hides in the shoe industry and if this industry, as now appears to be the case, feels confident of winning a foreign market for shoes with free hides, the farmer will share in the benefits of this policy.

There is an indirect benefit for the farmer in free shoes and leather, further, in so far as cheaper shoes and leather goods benefit the whole mass of consumers. To that extent they are necessarily better patrons of the farmer, as of all other industries, in the savings effected, the shoe bill alone of the United States running into very high figures. If the farmers do not get a tariff on hides this year they will at least be no worse off than usual. In the last 50 years hides have been on the free list under every tariff with the exception of the 12 years of the Dingley law.

"S" Picture Puzzle Winners

The Publisher of the Household Magazine is pleased to submit herewith the announcement of the winners in the "S" Picture Puzzle which closed February 25th. The winning list of words is given, also the statement of the judges who undertook to judge this Picture Contest.

The exceptional delay in announcing the winners has been occasioned by a desire to judge this Contest in absolute fairness to every Contestant, regardless of the size of his or her list. There were more than 10,000 entries, and every list had to be graded. All lists were passed on whether or not a remittance was made, and the grading was done on the basis of proper application of names to objects in the picture or their visible parts, and the correct spelling of these names. Many lists contained innumerable duplicates and words which could not be applied to the picture at all. The elimination of these bad words, of course, took time for the judges had to be sure that the word in question was not equally applicable with some other word. Where such words were found, one of the words was allowed, but not both.



CLAUDIA BROWN
Wins $1000 "S" Picture Puzzle Prize

The names of the winners and list of words follow:

1st—Claudia Brown, 2115 Leonard Ave., Lawrence, Kansas.

2nd—Bertha Luiduff, R. 1, Box 43, New Cumberland, W. Va.

3rd—Mrs. T. A. Jenkins, Winnie, Texas.

4th—Mrs. F. L. Suigrey, 115 E. Chestnut St., Mt. Vernon, Ohio.

5th—Fred Sieglinger, Stillwater, Okla.

6th—Mrs. Richard Reid, Manchester, Ky.

7th—Mrs. W. A. Rollins, Gainsville, Ga.

Tie—Mrs. Emma Flentje, Amboy, Ill.

Tie—Mrs. F. C. Rhodes, French Lick, Ind.

8th—Mrs. M. Louise Wheeler, 264 Main St., Marlborough, Mass.

Tie—Mr. Lee A. Tietsort, Woodbine, Ia.

9th—Mrs. Chas. Nickell, Hayward, Cal.

Tie—E. D. Long, Overton, Neb.

Tie—Mrs. G. W. Wakefield, 6036 St. Marie St., Pittsburgh, Pa.

Tie—Mrs. A. C. Stemdorf, R. 2, Luck, Wis.

Tie—Mrs. Grace Harpster, Paradise, Mont.

10th—H. R. Jones, 1218 11th Ave. N. Fargo, N. D.

This is the winning list of words decided by the judges:

S	Siding	Spurs
Saber	Sieve	Square
Sack	Sill	Squirrel
Saddle	Silo	Stable
Safety pin	Sinciput	Stack
Sail	Singletree	Stake
Sailboat	Sink	Stall
Salmon	Skates	Stamps
Saltcellar	Stud	Stance
Salutation	Skillet	Stanchion
Sand	Skin	Staples
Sap	Skirt	Star
Sash	Skull	Staves
Satchel	Sky	Stay
Saucer	Sled	Steed
Sausage	Sledge	Steel
Saw	Sleeve	Stem
Sawbuck	Slope	Stern
Scabbard	Slouch hat	Stifle
Scaffold	Smile	Stiletto
Scale	Smoke	Stilt
Scalepan	Snail	Stirrup
Scenery	Snath	Stitches
Scissors	Snouts	Stock
Screech owl	Soap	Stone
Scoop	Sock	Stool
Screws	Sockets	Stopcock
Scruff	Sod	Story
Scythe	Soil	Strands
Seam	Soldier	Strap
Seat	Sole	Streamers
Service hat	Solid	String
Sewing	Spade	Strike
Shade	Spar	Structure
Shadow	Sparrow	Stump
Shaft	Spear	Sun
Shank	Species	Sunbeam
Shears	Spetch	Sunrise
She	Spider	Sunbonnet
Sheaves	Spigot	Suspenders
Shell	Spike	Substance
Sheriff	Spile	Suit
Shin	Splice	Superstructure
Shingles	Spool	Sward
Shoes	Spots	Suture
Shoestring	Spout	Soffit
Shotgun	Sprayer	Sword belt
Shovel	Spreader	Swing
Shrubbery	Sprig	Swine
Sickle	Spring	Slipknot
Side	Sprit	
Spoon	Shirt	

There will undoubtedly be a question in the minds of some of the contestants as to why the above list shows "saber" for instance, instead of "sword." This is the winning list and the contestant used "saber" instead of "sword." Where such words occurred in lists either word was allowed but not both. Other words of like nature are singletree or swingletree, sunrise or sunset, sheaves or shock or sheaf, shoestring or shoelace. In the matter of spelling, slipknot, shoestring and shoelace may be spelled as they are here, but where the words were separated that form of spelling was also allowed unless a hyphen was used.

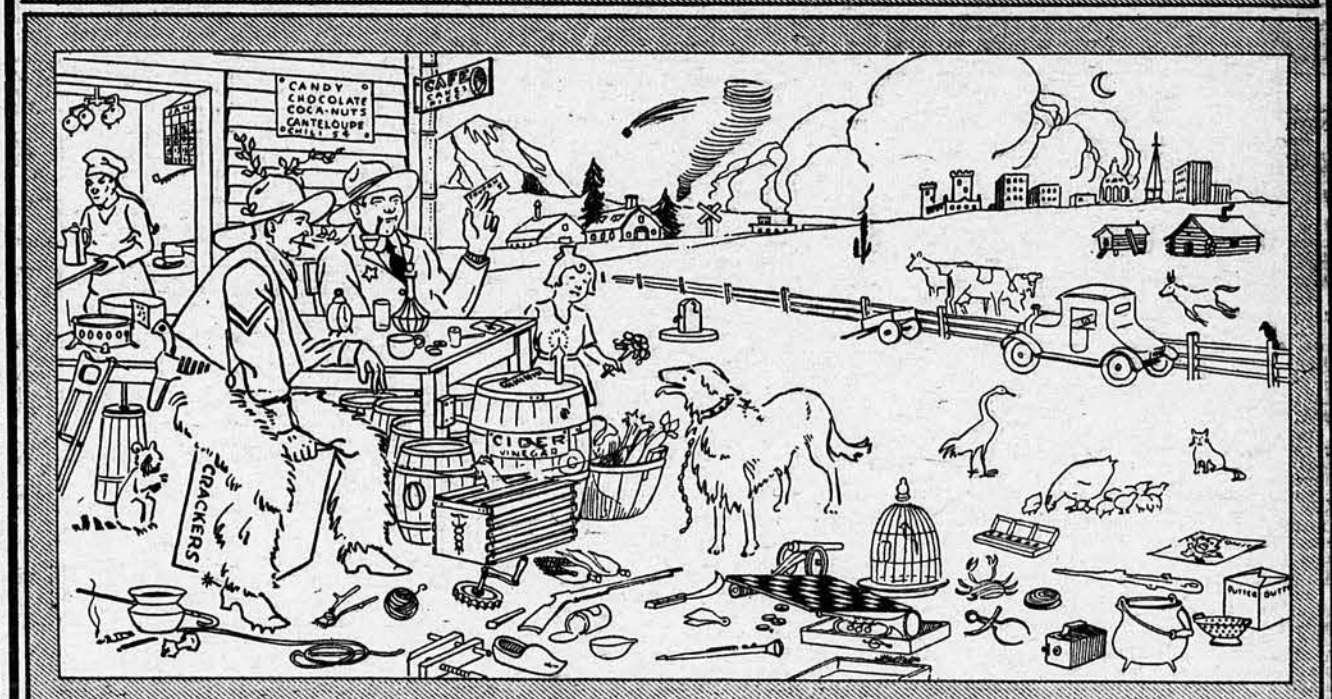
The judges' final decision is as follows:

"We, the judges in the 'S' Picture Puzzle conducted by the Household Magazine, do hereby declare the foregoing list of words to be the winning list of objects and articles and parts of objects and articles beginning with the letter 'S' and clearly visible in the 'S' Picture Puzzle. After very careful consideration of all the lists submitted, we awarded the ten prizes in the order named."

Miss Grace Bixler.
Geo. A. Allen.
L. H. Mosser.

On this page the Household Magazine announces another Picture Puzzle on the letter "C". We hope that every Household reader will take part in this new Picture Puzzle.

Win $1000



How Many Objects Beginning With "C" Can You Find in This Picture?

THE PRIZES

Winning Answers Receive Prizes as Follows:

10 Grand Prizes	Prizes given if no subscriptions are sent	Prizes given if $3 worth of subscriptions are sent	Prizes given if $5 worth of subscriptions are sent
1st Prize	$20.00	$500.00	$1,000.00
2nd Prize	15.00	300.00	700.00
3rd Prize	10.00	200.00	400.00
4th Prize	8.00	100.00	200.00
5th Prize	6.00	75.00	150.00
6th Prize	5.00	50.00	100.00
7th Prize	3.00	35.00	75.00
8th Prize	3.00	25.00	50.00
9th Prize	3.00	15.00	30.00
10th Prize	2.00	10.00	20.00

Set of Six Teaspoons Given Free

This beautiful set of six silver Teaspoons are the product of a well known Silver Company, and are genuine silver plated guaranteed to wear for years. They are full size and weight, with extra bright polished bowls and handles, and will be given free to each person qualifying for the $1000 cash prize by sending in a $5.00 club of subscriptions to the Household with their list of "C" words.



The picture above contains objects beginning with the letter "C." How many can you find? Try it. It costs nothing! Ten cash prizes will be given for the ten best lists of words submitted on this Picture Puzzle. The person sending in the nearest correct list of "C" words will win first prize; the second nearest correct second prize; etc.

This is not a guessing game, but a test of your skill. First glance of the picture you see Cat, Cage, Chicken and other objects. How many can you find? Every object is plainly visible. No need to turn the picture upside down or sideways. Write down the names of each object as you see it and when your list is completed, send it to the Household Magazine and try for the big prize.

Win $1000

This is not a subscription contest. You don't need to send in a subscription to win a prize, unless you want to, but by sending subscriptions you can qualify for one of the Booster prizes. If your answer to this Puzzle is awarded first prize by the Judges and you have not sent in any subscriptions you will win $20, but if you care to win a Booster prize you can do so by following our plan which offers bigger prizes to those who send in $3.00 or $5.00 worth of subscriptions to the Household.

Here's Our Offer

If your answer to the "C" Word Puzzle is awarded first prize by the Judges and you have sent in $3.00 worth of subscriptions to the Household Magazine, you will win $500 instead of $20; second prize $300; third prize $200; etc. (See second column of prize list.) Or if you should win first prize and you have sent in $5.00 worth of subscriptions to the Household, you will receive $1,000 as your prize instead of $20; second prize $700; third prize $400, etc. (See third column of prize list.)

This is a most liberal offer. It takes but $5.00 worth of subscriptions to qualify your answer for the big $1,000 prize and get a set of six Silver Teaspoons FREE.

It will be an easy matter to get a few subscriptions to the Household Magazine. It is one of the largest family and story magazines published for the price. The interesting departments are "Around the Family Table," Senator Capper's Washington Letters," fashions, fancywork, stories, household hints and recipes.

Household 3 Years 50c

Address your answers to **Household Magazine, Dept. 762, Topeka, Kan.**

The Rules Are Simple

(1) Any person living in the United States may submit an answer except an answer will not be accepted from employes of the Household Magazine, or members of the employe's family, residents of Topeka, or former cash prize Winners in any picture or word spelling club conducted by the Capper Publications.

(2) Prepare your list of words neatly on one side of the paper. Number words 1, 2, 3, etc. Place your name and correct address at the top of the list. Do not write subscribers' names and addresses on the same paper with your list of words—use a separate sheet of paper for sending in subscriptions. All answers must be mailed before midnight of June 24, 1922.

(3) Use only words found in the English Dictionary. Use only one word for an object. However, part of an object may be named. Words of the same spelling may be used only once. If the singular is used, the plural cannot be used, and vice-versa. Proper names, prefixes, suffixes, obsolete and foreign words will not be counted.

(4) The answer having the nearest correct list of objects beginning with the letter "C" will be awarded first prize. The next nearest correct list, 2nd prize, etc., until ten prizes have been awarded. (See prize list.) If the winner has sent in $5.00 worth of subscriptions to the Household, he or she will receive $1,000 instead of $20.

(5) In case of a tie between two or more Club Members each tying Club Member will receive a prize of the same value in all respects to that tied for. Three Topeka business men will act as Judges and will award the prizes. Each participant agrees to accept the decision of the Judges as final and conclusive. Webster's New International Dictionary will be used as authority.

(6) The Judges will meet and announce the winners, and a correct list of words will be published in the Household as quickly as possible after June 24th.

FARMERS' CLASSIFIED ADVERTISING

Rate: 10 cents a word, each insertion, on orders for less than four insertions; four or more consecutive insertions the rate is 8 cents a word. Count as a word each abbreviation, initial or number in advertisement and signature. No display type or illustrations admitted. Remittances must accompany orders. Real estate and livestock advertising have separate departments and are not accepted for this department. Minimum charge, ten words.

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Words	One time	Four times	Words	One time	Four times
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13	1.30	4.16	29	2.90	9.28
14	1.40	4.48	30	3.00	9.60
15	1.50	4.80	31	3.10	9.92
16	1.60	5.12	32	3.20	10.24
17	1.70	5.44	33	3.30	10.56
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19	1.90	6.08	35	3.50	11.20
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21	2.10	6.72	37	3.70	11.84
22	2.20	7.04	38	3.80	12.16
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24	2.40	7.68	40	4.00	12.80
25	2.50	8.00			

RELIABLE ADVERTISING

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.

Special Notice *All advertising copy discontinuance orders or change of copy intended for the Classified Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication.*

AGENTS WANTED

NICHOLS EARNS $181.52 WEEKLY SELLing woolen goods direct to consumer. Big profits. Agents with auto wanted. Fergus Falls Woolen Mills, Fergus Falls, Minn.

HIGH CLASS LOCAL AND FARM SALESmen wanted for glazed and unglazed hollow tile for silos, residences, barns, store buildings etc. The Farmers Silo Co., 1822 Main St., Kansas City, Mo.

AGENTS WANTED IN EVERY LOCALITY to take orders for steel grain bins and cribs, portable grain elevators, ensilage cutters, steel garages and buildings, building tile, etc. You can save on your own equipment and make big money in spare time. Send name for full particulars. Pierce Co., 930 Wyandotte St., Kansas City, Mo.

WANTED—RELIABLE, ENERGETIC MEN to sell National Brand fruit trees and a general line of nursery stock. Unlimited opportunities. Every property owner a prospective customer. Carl Heart earned $2,312.67 in 18 weeks, an average of $128.48 per week. You might be just as successful. Outfit and instructions furnished free. Steady employment. Cash weekly. Write for terms. The National Nurseries, Lawrence, Kan.

AGENTS, $8 A DAY TAKING ORDERS FOR Insyde Tyres. Positively prevents punctures and blowouts. Guaranteed double tire mileage. Old worn out casings will give 3 to 5 thousand miles more service. No tools needed. Just slip inside casing before replacing tube. Will not heat or pinch. Kats made over $500 first month. Biggest thing on the market. Low priced. Write for territory. American Accessories Co., B-1052, Cincinnati, Ohio.

SERVICES OFFERED

PLEATING, REPLEATING, HEMSTITCHing, pinking. Mrs. M. J. Mercer, 800 Topeka Blvd., Topeka.

PATENTS, BOOKLET AND ADVICE free. Watson E. Coleman, Patent Lawyer, Pacific Building, Washington, D. C.

IS YOUR WAY BETTER? PATENT YOUR improvements. Lamb & Co., Patent Attorneys, 1419 G. Street, Washington, D. C.

COLLECTIONS, ACCOUNTS, NOTES, claims collected everywhere on commission; no collection, no pay. Allen Mercantile Service, 252 Lathrop Bldg., Kansas City, Mo.

INVENTORS WRITE FOR OUR ILLUStrated book and record of invention blank. Send model or sketch for our opinion of its patentable nature. Highest references, prompt service. Reasonable terms. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

BUSINESS OPPORTUNITIES

DON'T WASTE YOUR SPARE TIME—IT can be turned into money on our easy plan. We have a splendid offer for ambitious men or women who desire to add to their present income, and will give complete details on request. Simply say, "Tell me how to turn my spare time into dollars" and we will explain our plan completely. Address, Circulation Manager, Capper Publications, Topeka, Kan.

PUT YOUR BUSINESS BEFORE MORE than 1,180,000 farm families in the 16 richest agricultural states in the Union by using the Capper Farm Press. A classified advertisement in this combination of powerful papers will reach one family in every three of the great Mid-West, and will bring you mighty good results. This does not apply to real estate or livestock advertising. The rate is only 60 cents per word, which will give you one insertion in each of the five sections, Capper's Farmer, Kansas Farmer and Mail and Breeze, Missouri Ruralist, Nebraska Farm Journal, and Oklahoma Farmer, Capper Farm Press, Topeka, Kansas.

FOR THE TABLE

5 POUNDS FULL CREAM CHEESE, $1.35 postpaid. Roy C. Paul, Moran, Kan.

HIGHEST GRADE EXTRACTED HONEY, 60 pounds, $6.50; 120 pounds, $12; here. Drexel & Sons, Beekeepers, Crawford, Colo.

KODAK FINISHING

TRIAL ORDER—SEND 25c AND ROLL for 6 beautiful glossitone prints or 6 reprints. Fast service. Day Night Studio, Sedalia, Mo.

EDUCATIONAL.

MOLER BARBER COLLEGE, LARGEST and best. Write for free catalog. 544 Main St., Kansas City, Mo.

LAWRENCE BUSINESS COLLEGE, LAWrence, Kansas, trains its students for good paying positions. Write for catalog.

EARN $25 WEEKLY, SPARE TIME, WRITing for newspapers, magazines. Exp. unnec. Details free. Press Syndicate, 547, St. Louis, Mo.

U. S. GOVERNMENT JOBS. MEN-WOMEN. $92 to $190 month. List positions open—free. Write immediately. Franklin Institute, Dept. E 15, Rochester, N. Y.

FINLAY ENGINEERING COLLEGE, KANsas City, Mo. Mechanical, electrical, armature winding, auto elec. 6 weeks to 2 years. Write for catalog and courses by mail.

ALL MEN, WOMEN, BOYS, GIRLS OVER 17 willing to accept Government positions $135 (stationary or traveling) write Mr. Ozment, Dept. 167, St. Louis, Mo., immediately.

FOR SALE OR TRADE

FOR SALE—12-25 AVERY TRACTOR. BARgain. Schwamborn Brothers, Ellinwood, Kan.

HEIDER TRACTOR, MODEL C, GOOD condition, for 16-30 Rumely. John Dunlap, Eureka, Kan.

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FIFTY HIGH CLASS CABINET PHONOgraphs to trade for central or western Kansas real estate. Wish to deal with owner direct. Write M. F. Houston, 1018 Corby-Forsee Bldg., St. Joseph, Mo.

WANTED TO BUY

WANTED—6 DISC DEERE GANG, ALSO some 3 bottom moldboard plows. Have 12-25 Avery to trade for Ford car. John Mahoney, Bunkerhill, Kan.

CULTRA COMPANY, 114 INDEPENDENCE Ave., Kansas City, wants selected, clean, fresh eggs. Write them for their special offer. Shipping cases furnished free.

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HART PARR 30, GOOD RUNNING ORDER, $400. L. Vischer, Clements, Kan.

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40-80 AVERY TRACTOR READY TO GO. Price right. J. H. Brubaker, Ramona, Kan.

AULTMAN-TAYLOR 32x50 SEPARATOR, complete, $350. Wm. Kaufman, Louisburg, Kan.

FOR SALE, 25-50 AULTMAN TAYLOR tractor; 32x56 Minneapolis separator. Horn Brothers, Garnett, Kan.

25 AULTMAN TAYLOR ENGINE; 36x64 Avery separator. Complete outfit fully equipped. Arthur Snapp, Milo, Kan.

18-36 AVERY TRACTOR; 23x36 AULTMANTaylor separator, full equipped, good as new, $2,000. Chas. Pierce, Atlanta, Kan.

LALLY LIGHT FARM LIGHTING PLANT without batteries. A-1 condition. $110 Topeka. H. H. Clark, 719 Quincy, Topeka, Kan.

STEWART SELF FEEDERS FOR THRESHers. Latest, most improved and efficient. Price $175. Stewart Self Feeder Co., Springfield, Mo.

FOR SALE—15-30 INTERNATIONAL tractor. Also 6 disc Sanders, plow. All in first class shape. Malcolm Woodson, Penalosa, Kan.

FOR SALE—16 H. STEAM ENGINE, 8-16 Avery, 12-25 Avery, or will exchange any one on good truck or 32 inch separator. Box 239, Miltonvale, Kan.

FOR SALE, 25-45 TWIN CITY TRACTOR in excellent condition. Ready to go right in the field and do business. Priced to sell. Woodbury & Marshall, Clay Center, Kan.

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TOBACCO—KENTUCKY'S PRIDE, EXTRA fine chewing, 10 lbs., $3. Smoking, 10 lbs., $2; 20, $3.50. Farmers Club, Mayfield, Ky.

HOMESPUN TOBACCO, 5 POUNDS, $1.25; 15 pounds, $3. Send no money, pay when received. Farmers Association, Jonesboro, Ark.

HOMESPUN SMOKING OR CHEWING TObacco collect on delivery 5 pounds $1.50; 10 pounds $2.50; 20 pounds $4.00. Farmers Association, Paducah, Kentucky.

NATURAL LEAF TOBACCO, CHEWING, 5 pounds, $1.50; 10 pounds, $2.50. Smoking, 5 pounds, $1.25; 10 pounds, $2. Send no money. Pay when received. Tobacco Growers Union, Paducah, Ky.

TOBACCO — NATURAL LEAF, THREE years old. Extra fine smoking, 6 lbs., $1. High grade chewing, 6 lbs., $1.50. Pay for tobacco and postage when received. Farmers' Exchange, 125-A, Hawesville, Ky.

KENTUCKY TOBACCO—DON'T SEND ONE penny, pay for tobacco and postage on arrival. Extra fine quality leaf, 3 years old, nature cured. Chewing, 10 pounds, $3. Smoking, 10 pounds, $2.50. Farmers' Union, D107, Hawesville, Ky.

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AUTOMOBILE OWNERS, GARAGE MEN, mechanics, repair men, send for free copy of this month's issue. It contains helpful, instructive information on overhauling, ignition troubles, wiring, carburetors, storage batteries, etc. Over 140 pages illustrated. Send for free copy today. Automobile Digest, 622 Butler Bldg., Cincinnati.

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REBUILT TYPEWRITERS. ALL MAKES. Sold, rented, repaired, exchanged. Fire proof safes. Adding machines. Jos. C. Wilson & Co., Topeka, Kan.

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MILLET SEED GOLDEN $1 PER BUSHEL. Sacks 35c, my station. Geo. C. Ellsoesser, Copeland, Kan.

TOMATO, CABBAGE AND SWEET POTATO plants, 100, 50c; 500, $2.25; postpaid. Holzer Produce Co., Russell, Kan.

PINK KAFIR SEED, FINE, RECLEANED. 2½ cents lb. Sacks free. Send check. Clyde Ramsey, Mayfield, Kan.

WATERMELON SEED, GENUINE AND selected Tom Watson 55c pound postpaid. Tucker Brothers, Byron, Okla.

RECLEANED HULLED WHITE SWEET clover, $4.50; yellow, $5. Alfalfa, $7 bu. Sacks 35c. Robert Snodgrass, Augusta, Kan.

HOG MILLET, GOOD FOR HOGS, CHICKens and stock. $1 per bushel. Common millet, 75c. F. O. B. Haswell, Colo. Lynn Adams.

FANCY MIXED CANNA BULBS, 60c dozen; $1 25; $1.50 50; $2.50 100. Postpaid. Mrs. Patzel, 501 Paramore, North Topeka, Kan.

GENUINE FLORIDA GROWN TOM WATson watermelon seed, eighty cents per pound postpaid. Baxters Seed Store, Arkansas City, Kan.

EARLY CABBAGE, TOMATO, SWEET POtato; Nancy Hall, Yellow Jersey; 100, 50c; 1,000, $3, postpaid. A. M. Samuelson, R. 3, North Topeka, Kan.

TOMATO AND CABBAGE PLANTS, 100, 50c; 1,000, $3.50. Pansies, 40c dozen; 80c 25. Postpaid. John Patzel, 501 Paramore, North Topeka, Kan.

FANCY YELLOW JERSEY SWEET POtato plants, 1,000, $2.75; 5,000, $2.50 per 1,000. Prepaid. Prompt shipment. Peter Simon, Oakland, Kan.

SEEDS WANTED—WE BUY CAR LOTS OR less. Alfalfa, clovers, cane, millet, Sudan. Send samples for bids. Ed F. Mangelsdorf & Bros., Wholesale Field Seeds, St. Louis, Mo.

TOMATOES, EARLIANA, EARLY JEWEL; sweet potatoes, Yellow Jersey, Red Bermuda, 50c 100; 1,000, $4. Large potted Earliana 6c postpaid. Ernest Darland, Codell, Kan.

STRAWBERRY PLANT BARGAIN. 50,000 extra good Progressive Everbearing strawberry plants, the best variety on earth, at half price. Write for prices. Henry Jefferies, Ottawa, Kan.

SEEDS—ALFALFA, $8.50 PER BU. KAFIR corn, $1. Feterita, $1.10. Sumac or Orange cane seed, $1. Seed corn, $1.75. Millet, $1.25. Sudan grass, $7.50 cwt. Sacks free. Holzer Seed House, Russell, Kan.

SWEET CLOVER, BEST QUALITY CHEAP. Fine on damaged wheat. Pasture after harvest till it freezes down. Unequaled, self-seeding, permanent pasture. Sow when you would alfalfa. Information. John Lewis, Virgil, Kan.

DWARF AND STANDARD BROOM CORN seed, $3; white and red milo, feterita, Sumac and Orange cane, millet, $2; White, Pink and Schrock kafir, $1.50; all per 100 pounds. Claycomb Seed Store, Guymon, Okla.

TESTED SEED CORN FOR SALE, $1.25 per bushel. Sacks free. Bone County White, Capper's Grand Champion White, Imperial White (red cob). Ask for samples. 15 years in seed business here. Wamego Seed & Elev. Co., Wamego, Kan.

FANCY RECLEANED WHITE KAFIR (Black Hull), 2c; Orange cane, 3c; Red Top or Sumac, 3½c; Sudan, 6½c. Scarified White Bloom Sweet clover, 10c per lb. our track, jute bags 15c, seamless bags 40c each. The L. C. Adams Merc. Co., Cedarvale, Kan.

PLANTS — SWEET POTATOES, NANCY Hall, Red Bermuda, Yellow Jersey. Tomatoes, 12 best varieties. Price 40c per 100; $3.50 1,000; $15 per 5,000. Cabbage, 35c per 100; $3 a 1,000. Peppers and egg plant, 75c per 100. Send enough money for postage. Safe arrival guaranteed. C. R. Goerke, Sterling, Kan.

NURSERY STOCK

REDUCED PRICES ON OUR COMPLETE assortment of quality stock. Catalog free. Hutchinson Nurseries, Kearney, Nebr.

BUILDING SUPPLIES

WHOLESALE PRICES LUMBER AND bale ties. Hall-McKee, Emporia, Kan.

MISCELLANEOUS

PHONOGRAPH RECORDS AND PLAYER piano rolls exchanged. Trade old for new. Stamp brings catalog. Fuller, Wichita, Kan.

POST CARDS—SEND DIME AND POSTage for eight birthday, greeting, comic or novelty cards to Union Post Card Co., Dept. G, Cedar Rapids, Neb.

DOGS AND PONIES

FOR SALE, PEDIGREED AIREDALE PUPpies. C. R. Main, Caldwell, Kan.

FEMALE ENGLISH SHEPHERDS. NATural bobs, $10. N. Lewis, Miller, Neb.

SCOTCH COLLIE PUPS FROM REGISTered prize winning stock. Price: males, twenty-five; females, fifteen. A. H. Kraft, Vassar, Kan.

GERMAN SHEPHERD, AIREDALES, COLlies and Old English Shepherd dogs. Brood matrons, puppies. Bred for farm helpers. 10c for instructive list. W. R. Watson, Box 221, Macon, Mo.

POULTRY

Poultry Advertisers: Be sure to state on your order the heading under which you want your advertisement run. We cannot be responsible for correct classification of ads containing more than one product unless the classification is stated on order.

ANCONAS

SHEPPARD STRAIN SINGLE COMB ANconas. Non-sitters. 100 eggs, $5. Bessie Buchele, Cedarvale, Kan.

PAGE'S ANCONA "DOPE" TELLS WHY we quit all other breeds. It's free. Bred Anconas eleven years. Fill orders promptly, prepay charges. 16 eggs, $1.50; 50, $4.50; 100, $8; 200, $15. Our guarantee very liberal. Member both clubs. C. J. Page, Salina, Kan.

Ancona—Eggs

VERY BEST ANCONA EGGS, 115, $4. Annie Russell, Thayer, Kan.

ANCONAS, BEST LAYING STRAIN, 16 eggs, $1.50; 100, $6.50 prepaid. Julia Ditto, Route 7, Newton, Kan.

SINGLE COMB ANCONA EGGS FROM record laying strains, 30, $2; 100, $5. Amiel Dorr, Osage City, Kan.

PURE SHEPPARD'S STRAIN SINGLE Comb Mottled Anconas. Selected eggs, $5-100. Martha Greenwood, Clifton, Kans.

HATCHING EGGS FROM THREE PENS. Trap-nested, prize-winning Anconas, $5 100. Mating list free. Martin's Ancona Pens, Brookville, Kan.

IMPORTED AND SHEPPARD STRAIN Ancona eggs. Extra good layers. Hogan tested, $1 per 15; $6 per 100. Satisfaction guaranteed. Shem Yoder, Yoder, Kan.

SINGLE COMB DARK ANCONA EGGS. College certified. This year's stock direct from Sheppard's best. $1.50 15; $7 100. Barney Kamphaus, Clay Center, Kan.

SINGLE COMB ANCONAS. FAMOUS SHEPpard foundation direct. Closely culled range flock. Selected eggs, 15, $1.25; 100, $6. Prepaid. Orders filled promptly. Jno. R. Baker, Downs, Kan.

Andalusian—Eggs

BLUE ANDALUSIAN EGGS FROM FIRST class blues, $1.50 15; $8 100; prepaid. H. Rogers, Colwich, Kan.

BABY CHICKS

SINGLE COMB WHITE LEGHORN CHICKS. Orders booked. Box 7, Kinsley, Kan.

BABY CHICKS—PURE BRED ROSE COMB Rhode Island Reds, 15c. Elmdale Red Farm, Oketo, Kan.

BABY CHICKS — WE ARE FULL FOR May. Write for our cut prices in June. Floyd Bozarth, Eskridge, Kan.

FINE PURE BRED BUFF ROCK CHICKS, hen hatched, 15c, each week entire season. Leitch Sisters, Parkerville, Kan.

YESTERLAID SINGLE COMB WHITE Leghorns. Eggs, $5 100. Chicks, $15 100. Mrs. Hayes Showman, Sabetha, Kan.

YOUNKIN'S CHICKS—LEADING VARIEties. 8c up. Get our catalog and prices. Younkin's Hatchery, Wakefield, Kan.

BABY CHICKS—BUFF AND WHITE LEGhorns, Barred Rocks, White Wyandottes. Clay Center Hatchery, Clay Center, Kan.

SINGLE COMB WHITE LEGHORN CHICKS, Barron 250 egg strain, 13c. Live delivery prepaid. Wylies Hatchery, Clay Center, Kan.

SINGLE COMB WHITE LEGHORN CHICKS from heavy layers. Order now for May and June. Myers Hatchery, Clay Center, Kan.

CHICKS FROM BIG BONED ROSE COMB Reds. Hogan tested, heavy layers, 15c prepaid. Mrs. Alex Leitch, Parkerville, Kan.

ENGLISH BARRON SINGLE COMB WHITE Leghorn Chicks, $16-100; eggs $8-100 prepaid. Elizabeth Green, Concordia, Kan., Route 1.

S. C. WHITE LEGHORN CHICKS FROM high producing stock, 11 cents. Postpaid. Live delivery guaranteed. C. G. Cook, Lyons, Kan.

BABY CHICKS, $12.00 A 100 UP. BEST stock, free delivery. Arrival guaranteed. Catalog free. Standard Egg Farms, Cape Girardeau, Mo.

YOU BUY WORLD'S BEST SINGLE COMB White Leghorn chicks from $10 to $12 per 100 that will make you money from Clara Colwell, Smith Center, Kan.

BABY CHICKS, S. C. WHITE LEGHORN Tom Barron 240 egg strain at reduced prices for May and June. Order now. Queen Hatchery, Clay Center, Kan.

PURE BRED ROSE COMB BROWN AND White Leghorns, 100, $12. Live delivery guaranteed. Eggs, 100, $5. Belleville Center Poultry Farm, Belleville, Kan.

BABY CHICKS — YOU BUY THE BEST chicks for the least money, guaranteed alive and shipped everywhere, from Colwell Hatchery, Smith Center, Kan.

CHICKS—ANCONAS, WHITE AND BROWN Leghorns. Postage paid. Safe delivery. Pullets hatched from April and May chicks. Catalog free. Ottawa Hatchery, Holland, Mich.

CHICKS—ROSE COMB REDS, HEAVY layers, cockerels from 300 egg hens, 15c postpaid. Satisfaction guaranteed. Adda Walker, White City, Kan.

ABSOLUTELY BEST CHICKS OBTAINable. Leading varieties. From high producing standard flocks. Reduced prices. Circular. Quality Poultry Farms, Leavenworth, Kan.

QUALITY CHICKS—LEGHORNS, $11 PER hundred; Reds, $12; Plymouth Rocks and Anconas, $13; White Wyandotte, $14. Live delivery. Parcel post paid. Fleda Jenkins, Jewell, Kan.

WE ARE BOOKING ORDERS FOR MAY 18 at $12.50 per 100 for our Egg Basket strain. English Barron White Leghorn baby chicks. The Cheney's White Leghorn Farm, Route 5, Topeka, Kan.

BABY CHICKS AT WHOLESALE PRICES direct to you from our heavy laying flocks. Rocks, Anconas, Leghorns. Purchase direct and save money. Catalog free. Progressive Poultry Farms, Box B, Holland, Mich.

PURE BRED, ALL LEADING VARIETIES from tested heavy laying strain, prepaid. 100% live delivery anywhere. Satisfied customers in 30 states. Satisfaction guaranteed. Send for illustrated catalog. Loup Valley Hatchery, Box 80, Cushing, Neb.

BABY CHICKS

BABY CHICKS—PURE BRED BARRON strain English White Leghorns. Extra selected heavy producing stock. Excellent winter layers. $12.50 per hundred. Postpaid. Live delivery guaranteed. Johnson's Hatchery, 109 Buchanan St., Topeka, Kan.

LOOK! 1½ MILLION "JUST-RITE" BABY chicks for 1922, postage paid, 95% live arrival guaranteed. Month's feed free with each order. 40 breeds chicks. Select and exhibition grades. We have a hatchery near you. Catalog free, stamps appreciated. Nabob Hatcheries, Dept. 40, Gambier, Ohio.

DAY OLD CHICKS—ROSE AND SINGLE Comb Reds, Buff, Barred and White Rocks, Single Comb White, Buff and Brown Leghorns, Buff Orpingtons, Black Langshans and Anconas. Good sturdy stock hatched in mammoth electric incubators. Prices right. Edward Steinhoff & Sons, Leon, Kan.

ROSS BABY CHICKS, PURE BRED, VIGOROUS stock, 10-20 cents, prepaid, live delivery. White, Buff, Brown Leghorns; Barred Rocks; White Rocks; Buff Orpingtons; Rhode Island Reds. Catalog free showing greatest incubator system in the world. Ross Hatchery, Junction City, Kan.

100,000 HIGH RECORD DAY OLD CHICKS. Single Comb White Leghorns. Records 220 to 290 eggs. $17 per hundred and up. 100% live delivery guaranteed. Every nest a trap nest. 5 firsts at Chicago show. Fine free catalog. Sunny Acre Leghorn Farm, Box 500, Sandwich, Ill.

CHICKS: TWELVE LEADING VARIETIES, heavy laying fowls, Leghorns, Rocks, Reds, Wyandottes, Anconas, Minorcas, Orpingtons. Produced under my personal supervision. 100 per cent live delivery by prepaid parcel post guaranteed. Get free catalog now. H. B. Tippin, Box 306, Findlay, Ohio.

BABY CHICKS: 11 TO 17c EACH. BARRED Rocks, Rhode Island Reds, Buff Orpingtons, White Leghorns and Brown Leghorns. Hatched from pure bred parent stock that are properly housed and fed to produce strong healthy chicks. Customers report having raised 95%. Circular free. 100% delivery guaranteed. The Porter Hatchery, Winfield, Kan.

Bantam—Eggs

BANTAMS, WHITE, COCHIN, EGGS 15 BY express, $1.25. Alberta Peffley, ElDorado, Kan.

BUFF COCHIN BANTAM EGGS. 10c EACH delivered. L. M. Shives, Route 3, Tyrone, Okla.

Brahma—Eggs

PURE BRED MAMMOTH LIGHT BRAHmas. 15 eggs, $1.50. Cora Lilly, Westphalia, Kan.

Cochin—Eggs

BUFF COCHIN EGGS AND STOCK FOR sale. A. O. Bloom, Stamford, Neb.

Duck and Geese—Eggs

MAMMOTH PEKIN DUCK EGGS, 12, $1.50. Zelma Sigle, Lucas, Kan.

WHITE CHINA GOOSE EGGS, $4.50 DOZEN prepaid. Mrs. W. A. Stagner, Plainville, Kan.

STANDARD WEIGHT MAMMOTH WHITE Pekin duck eggs, $1.75 12; $3 24 postpaid. Mrs. Anton Triska, Hanover, Kan.

PURE FAWN AND WHITE INDIAN RUNners. Extra fine stock. Eggs, $1.25 per 12. Mrs. Helen Romary, Olivet, Kan.

ENGLISH PENCILED RUNNER DUCK eggs. Heavy laying strain. 13, $1.25; 100, $6. Mrs. Cameron Smith, Durham, Kan.

WILD GRAY MALLARD CALL DUCK eggs. Just the thing for decoy shooting. Full instructions. 25 cents each. Federal and state license. Ben Ely, Kinsley, Kan.

Guinea—Eggs

WHITE AFRICAN GUINEA EGGS, 17, $1. ... Brahma eggs, 15, $1.25. Mrs. Dick Walters, R. 7, Abilene, Kan.

Hamburg—Eggs

PURE ROSE COMB SILVER SPANGLED Hamburg eggs, $1.50 per 15. C. H. Gillespie, Valley Falls, Kan.

LEGHORNS

ROSE COMB BROWN LEGHORNS, CHICKS, 13c. Eggs, 4c. Prepaid. Belle Larabee, Haddam, Kan.

S. C. BUFF LEGHORN EGGS, CERTIFIED. Reduced to $4.50 hundred. 8 weeks cockerels. Mrs. C. H. Dear, Mayfield, Kan.

PURE BRED ROSE COMB WHITE LEGhorns. Eggs, $4.50 hundred. Baby chicks, $14 hundred. P. F. Hendricks, Glen Elder, Kan.

BARRON'S WHITE LEGHORNS DIRECT from importers. Range flock. Eggs, $5 100. Chicks, $14 100. Mrs. Royal Ramsey, Beloit, Kan.

IMPORTED ENGLISH BARRON SINGLE Comb White Leghorns. Trap-nest bred-to-record 300 egg. Eggs, chicks, guaranteed. Geo. Patterson, Richland, Kan.

RYANS EVERLAY SINGLE COMB DARK Brown Leghorns. Best blood lines. Eggs, 100, $5; 200, 4½c. Chicks, 13c, prepaid. Baby cockerels. Ryans Poultry Farm, Centralia, Kan.

ROSE COMB BROWN LEGHORNS. 10 years in breeding stock for eggs, winter and summer with splendid result. Eggs, $5 per 100. Baby chicks, 20c each. W. Giroux, Concordia, Kan.

NOTICE TO BUFF LEGHORN BREEDERS —Any ad offering Wilson's eggs or baby chicks for sale, other than my own, is false. I am the sole owner of Wilson's Buff Leghorns. Herb Wilson, Holton, Kan.

1000 SELECT SINGLE COMB WHITE Leghorn pullets of certified egg strain for April, May, June delivery. Not hatchery stuff. Prices, quality and service will please. "Grant," Leghorn Man, Elk Falls, Kan.

Leghorn—Eggs

S. C. BUFF LEGHORN EGGS $5.00-100 postpaid. Walter Axtell, Axtell, Kan.

SINGLE COMB BUFF LEGHORNS, GREAT layers, $4.00 100. John A. Reed, Lyons, Kan.

SINGLE COMB BUFF LEGHORN EGGS $4.50-100. Heavy laying strain. Ernest A. Reed, Lyons, Kan.

Leghorn—Eggs

ROSE COMB WHITE LEGHORN EGGS, $4 100. Carroll Barr, Westmoreland, Kan.

BOOK OF BUFF LEGHORNS FREE. ALL eggs reduced 25%. Haines, Rosalia, Kan.

SINGLE COMB BUFF LEGHORN EGGS, $4 100. Mrs. S. F. Crites, Florence, Kan.

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SINGLE COMB BROWN LEGHORN EGGS, $4.50 100 postpaid. Grover Easter, Abilene, Kan.

SINGLE COMB BROWN LEGHORN EGGS $3.75 per 100 postpaid. Fleda Jenkins, Jewell, Kan.

PURE ROSE COMB BROWN LEGHORN eggs, 4½c each. Prepaid. Eva Duvall, Concordia, Kan.

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SINGLE COMB WHITE LEGHORNS, Youngs 282 eggs, for May, $1 per 15; $5 100. Vera Davis, Winfield, Kan.

QUALITY ROSE COMB BUFF LEGHORN eggs. Fine layers. Reduced prices. Mrs. Anna Frank Sorensen, Dannebrog, Neb.

PURE SINGLE COMB BUFF LEGHORNS. Good layers. Selected eggs, 100, $4. Chicks, 14c. Herbert Rhodes, Clifton, Kan.

HATCHING EGGS, SINGLE COMB WHITE Leghorn Barron strain, exclusively for ten years, $4 per 100. Will Wedd, Oak Hill, Kan.

PURE SINGLE COMB DARK BROWN LEGhorns of quality. Eggs $4.50 hundred. Postpaid. Mrs. Harry Augustus, Waterville, Kan.

BARRON STRAIN WHITE LEGHORNS. Large type, healthy eggs, $5.00-100. Satisfaction guaranteed. Claude Post, Mound City, Kan.

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SINGLE COMB WHITE LEGHORN EGGS. Now half price. Young strain. First prize winners Hutchinson. Jay Crumpacker, McPherson, Kan.

SINGLE COMB DARK BROWN LEGHORN eggs. Tested flock. "Everlay" sires; $5.50-100 postpaid. Mrs. Harvey Crabb, Bucklin, Kansas.

DIGNAN'S QUALITY BUFF S. C. LEGhorns. Even buff, winners, layers. Eggs, postpaid, 100, $5; 15 extras. Mrs. J. L. Dignan, Kelly, Kan.

PURE BRED SINGLE COMB DARK Brown Leghorns "Hustlers." Eggs, 100, $5.50. Prepaid. Mrs. Walter Peterson, R. 1, Osage City, Kan.

DIRECT FROM IMPORTERS, BARRON'S 282-317 eggline White Leghorns exclusively, Hoganized. Eggs $7-100. Stock. Circulars. Joseph Creitz, Beloit, Kan.

HOGANIZED BARRON STATE FAIR WINning Single Comb White Leghorn eggs, five dollars hundred. Postpaid. Lois Scherman, R. 7, Topeka, Kan.

LARGE TOM BARRON ENGLISH SINGLE Comb White Leghorn eggs, $5.00 per 100, 10 eggs extra. Put laying qualities in your flock. Ray Fulmer, Wamego, Kansas.

GENUINE BARRON SINGLE COMB WHITE Leghorns from imported stock. Eggs prepaid and fertility guaranteed. $5.50 per 100. Catalog. Mrs. Clyde Meyers, Fredonia, Kan.

DIGNAN'S QUALITY BUFF S. C. LEGhorns, year round layers. Prize winning flock, even buff. Eggs postpaid, pre-war price, 115, $5. Mrs. J. L. Dignan, Kelly, Kan.

ENGLISH BARRON SINGLE COMB WHITE Leghorn eggs, high producing females mated with cockerels from 288-300 egg imported hens, $1.25 setting; $6 100. Roy Blackwelder, Isabel, Kan.

COMPARE OUR BLOOD, OUR PRICES. Original stock 1919 from world champions 288 eggs, world champion (304 eggs) hen's grandsons headed flock last year. Only high producing hens, selected by state judge, kept this year with high testing $25 cockerels heading flock. Eggs, $6 100. Pure Tom Barron Single Comb White Leghorns. Perry Dietrich, Miltonvale, Kan.

Leghorn—Eggs

FERRIS-YESTERLAID SINGLE COMB White Leghorns. Bred for size. Winter eggs. Flock headed to Ferris 265-300 egg strain direct. Free range. Fertility guaranteed. $5.50 110. Postpaid. Mrs. L. B. Takemire, 2517 Lincoln St., Topeka, Kan.

LANGSHANS

PURE WHITE LANGSHAN SCORED AND tested chicks, 20c. Eggs, $6.50 100; $1.50 15. Mrs. Edgar Lewis, Mullinville, Kan.

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Langshan—Eggs

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MINORCAS

LARGE TYPE PURE SINGLE COMB Black Minorca winners. Eggs $6 per 100; chicks 16c. Herbert Rhodes, Clifton, Kan.

Minorca—Eggs

SINGLE COMB BLACK MINORCA EGGS, $6 100. Henry Schumaker, Clifton, Kan.

SINGLE COMB BLACK MINORCA EGGS, $5 per hundred. Prepaid. J. T. Poland, Barnes, Kan.

PURE GIANT STRAIN SINGLE COMB Black Minorca eggs, $6 100. Martha Greenwood, Clifton, Kan.

Orpington—Eggs

PURE BRED S. C. BUFF ORPINGTON eggs, $4.50 100. Mrs. S. Hutcheson, Oakhill, Kan.

CRYSTAL WHITE ORPINGTON EGGS, Kellerstrass, $5 100. Gordon North, White City, Kan.

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BUFF ORPINGTONS, BRED FROM CHIcago and Kansas City first prize winners. Eggs per setting, $2.50 and $3. J. A. Kauffman, Abilene, Kan.

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BUFF ORPINGTONS EXCLUSIVELY. Closely culled. Carefully bred for twelve years. Good layers. Prize winners. Eggs $7 100; 15, $1.25. Olive Carter, Mankato, Kan.

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BARRED ROCK EGGS, $1.50 15; $8 100. Chicks, eight weeks old, 40c. Mrs. Sol Pierson, Plainville, Kan.

BARRED ROCK EGGS. PARKS 200-EGG strain, $5 30; $10 100 delivered. Half price after May 1st. Gem Poultry Farm, Haven, Kan.

PURE THOMPSON IMPERIAL RINGLET cockerel mated eggs $50 males, trapnested hens. Yards, $5 setting. Range, $3; $15 100. Mrs. Robert Simmons, Severy, Kan.

PURE BARRED ROCKS, BRADLEY weigher-layer strains. Eggs, very fertile, 100, $6; 200, $11; 50, $3.50. Baby chicks, hen hatched, 20c. Mrs. S. Van Scoyoc, Oak Hill, Kan.

IMPERIAL RINGLET BARRED PLYmouth Rock eggs and chicks for sale, from breeding yards headed by largest males in Kansas. Weight 9½ to 14 each. Eggs, 15, $2; 100, $10. Chicks, 50, $12.50; 100, $20. Satisfaction guaranteed. A. L. Hook, North Willow Poultry Ranch, Coffeyville, Kan.

Plymouth Rock—Eggs

BUFF ROCKS. MATING LIST. WILLIAM A. Hess, Humboldt, Kan.

PURE BUFF ROCK EGGS, $4.50 100. MRS. Hedgespeth, Wilsey, Kan.

BUFF ROCKS. MATING LIST. WILLIAM A. Hess, Humboldt, Kan.

BARRED ROCK EGGS, $6 PER 100. MRS. Annie Galbraith, White City, Kan.

100 BUFF ROCK EGGS, $5; 50, $3. MRS. Maggie E. Stevens, Humboldt, Kan.

BARRED ROCK EGGS, $5 100. W. E. Richardson, Box 128, Barnard, Kan.

PURE BRED WHITE ROCK EGGS, 100, $5; 15, $1. Mrs. Elwin Dales, Eureka, Kan.

WHITE ROCK EGGS, 100, $4.75; 50, $2.50. Jenkins Poultry Farm, R. 3, Jewell, Kan.

WHITE ROCK EGGS, 200 EGG STRAIN, $1 15; $4 100. C. L. Loewen, Hillsboro, Kan.

BUFF ROCKS, PRIZE STRAIN. 100 EGGS, $6; 15, $1.25. Mrs. Robt. Hall, Neodesha, Kan.

PURE BRED BARRED ROCK EGGS, 30-$1.85; 100-$5.00. Catharine Beightel, Holton, Kansas.

BUFF ROCK EGGS, PRIZE WINNERS, $1.50 per 15. E. L. Stephens, Colorado Springs, Colo.

LARGE BONED WHITE ROCK FISHEL strain eggs 15-$1.25 postpaid. P. L. Thielen, Dorrance, Kan.

REDUCED BUFF ROCK EGGS, $4.75 100; $2.75 50; $1.25 15 prepaid. A. R. Quinnette, Ames, Kan.

BUFF ROCK EGGS, $1.50 15; $7 100. BRED for exhibition and egg production. Emery Small, Wilson, Kan.

WHITE ROCK EGGS FROM PRIZE WINning pens, $1.50 per 15. H. K. Baer & Son, Stamford, Neb.

HIGH PRODUCING WHITE ROCKS, 200 egg strain. Now $4 100, $1 15. H. C. Loewen, Peabody, Kan.

BARRED ROCKS — 84 PREMIUMS, 35 firsts. Eggs, 15, $3; 30, $5. Mattie A. Gillespie, Clay Center, Kan.

BUFF ROCKS, TWENTIETH YEAR. EGGS, $6 per hundred; $3.50 per fifty. Mrs. Homer Davis, Walton, Kan.

BARRED ROCK EGGS, $1 SETTING. Reid's Yellow Dent seed corn, $1.50 bushel sacked. Jas. Weller, Holton, Kan.

BARRED ROCKS — BRADLEY STRAIN. Layers. Weighers. Best quality. 100 eggs, $6; 15, $1.25. Mrs. Ira Emig, Abilene, Kan.

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WHITE ROCKS. TWENTY-ONE YEARS selective breeding. 100 eggs, $6.00; 50-$3.50; 15-$1.25, prepaid. Bracken Fogle, Williamsburg, Kan.

BUFF ROCKS — FARM FLOCK, PURE. Good laying strain with vitality. Eggs postpaid, 15, $1.25; 100, $6. F. J. Landes, Route 1, Abilene, Kan.

HEAVY LAYING STRAIN OF BARRED Rocks, 18 years select breeding. Eggs, $1.25 per 15; $6 per 100. Mrs. Helen Romary, Olivet, Kan.

PURE BRED BARRED ROCKS. BRADley strain, large bone, fine barring. Eggs, 15, $1; 50, $3; 100, $5; prepaid. Mrs. O. R. Shields, Clifton, Kan.

BARRED ROCKS, WINNERS BRED TO lay. Thompson strain. 15, $2.50; 100, $5. Special pens either mating, $5 15. Wm. C. Mueller, R. 4, Hanover, Kan.

TOMPSON STRAIN BARRED ROCKS, YELlow legs, big boned, red eyes, barred to the skin. Eggs, 100, $6; setting, $1.25. Mrs. Fred Miller, R. 3, Box 24, Abilene, Kan.

EXHIBITION QUALITY BARRED ROCKS. Stock from Thompson, none better, heavy layers, fertility guaranteed. Selected eggs, 100, $6; 50, $3; 15, $1.50. Prepaid. D. A. Rodgers, Concordia, Kan.

BARRED ROCK EGGS REDUCED, LIGHT and Dark hens, headed by cockerels direct from Holtermans. $3.00 per 15; $5.00 per 30. General flock $5.00 per 100. 38 prizes at last three shows. Dr. Hinckley, Barnard, Kan.

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DARK SINGLE COMB RED EGGS, $1.50 15; $6 100. John Greenleaf, Mound City, Kan.

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ROSE COMB RED EGGS. HENS PROGeny $50 male. Mated to $5 to $15 birds. 30 eggs, $3; 50, $4; 100, $7.50. W. R. Huston, Americus, Kan.

MEIER'S SINGLE COMB REDS. FIRST prize winners at Chicago and Kansas City. Extra quality eggs. $5 per 50, $10 per 100. H. A. Meier, Abilene, Kan.

ROSE COMB REDS; RICH COLOR SPLENdid layers. Pen eggs, $3, $5 per 15; 50-$10. Range, $6-100. Alice Clinkenbeard, Westview Farm, Wetmore, Kan.

SINGLE COMB REDS BRED FROM CHIcago and Kansas City first prize winners, fine, large, dark, heavy laying stock. Eggs, $2.50 per setting, $10 per hundred. Catalog free. C. R. Baker. Abilene, Kan.

Rhode Island White—Eggs

FINE RHODE ISLAND WHITES. EGGS, $2 15. Mrs. R. W. Colburn, Girard, Kan.

ROSE COMB WHITES. EXCELLENT LAYers. 100 eggs, $6.00. Mrs. Silas S. Johnson, Halstead, Kan.

WYANDOTTES

BEAUTILITY SILVER WYANDOTTE cockerels, $5. Eggs, $3 for 15. Mrs. Edwin Shuff, Plevna, Kan.

SILVER WYANDOTTES, STATE TEST, certified. Eggs, range flock, $1.50 15 $6.50 100. Pen, 15, $2.50. Chicks, 22 cents. Lawrence Blythe, White City, Kan.

Wyandotte—Eggs

BRED TO LAY WHITE WYANDOTTE eggs, $1.25 setting; $4 100. J. Lilly, Westphalia, Kan.

WHITE WYANDOTTE EGGS FROM CHOICE stock, $1 16; $5 105. Mrs. Will Beightel, Holton, Kan.

COLUMBIAN WYANDOTTE EGGS, 100-$6; 50-$3.50; 15-$1.50. Postpaid. P. J. Voth, Goessel, Kan.

BUFF WYANDOTTE EGGS, $5 PER 100. Baby chicks, 14c. Jenkins Poultry Farm, R. 3, Jewell, Kan.

CHOICE PURE BRED SILVER WYANdotte eggs, $6 100; $3 60. Postpaid. Mrs. Girard, Madison, Kan.

PURE SILVER LACED WYANDOTTE eggs, $3.50 for 50; $5 hundred. Mrs. Will McEnaney, Seneca, Kan.

WHITE WYANDOTTES, CAREFULLY SElected winter layers. Eggs, $3.50 50; $6 100. Emma Savage, Miltonvale, Kan.

WHITE WYANDOTTES. BARRON'S LAYing strain. Setting, $2; 50 eggs, $5; 100, $9; all prepaid. Guarantee 60% hatch. H. A. Dressler, Lebo, Kan.

REGAL STRAIN DIRECT. WHITE WYANdotte eggs from heavy laying prize winning stock, $1.25 15; $6 100; prepaid. Mrs. Benj. Carney, Marion, Kan.

WHITE WYANDOTTES, EXTRA LAYERS, closely culled. Regal Dorcas cockerels from Martin of Canada head flock. 100 eggs, $5.50; 30, $2.50 prepaid. Fertility, safe delivery guaranteed. Chas. Kaiser, Miltonvale, Kan.

Turkey—Eggs

MAMMOTH BRONZE TURKEY EGGS, 50c each. Mrs. Middleton, R. 2, Chetopa, Kan.

BOURBON RED TURKEY EGGS, 40 CENTS each or $35 per 100. Carrie Yapp, Jewell, Kan.

PURE BOURBON RED TURKEY EGGS $5 dozen postpaid. C. F. Hissy, Holcomb, Kan.

BOURBON RED TURKEY EGGS, CHOICEST stock, $5 per 10. Mrs. Clyde Meyers, Fredonia, Kan.

PURE BOURBON RED TURKEY EGGS, $4.50 per 11. Mrs. Grant Griffin, Ellsworth, Kan.

GIANT BRONZE TURKEY EGGS FROM large select stock, $1 each. Trio to sell. Vira Bailey, Kinsley, Kan.

MAMMOTH WHITE HOLLAND TURKEY eggs. 75 cents each. Certified class A. Stevens Whistler, Diamond Springs, Kan.

EGGS FROM PURE BOURBON RED TURkeys, state show prize winning sires. $6 for 12. Postpaid. Mrs. Jake Royer, Gove, Kan.

MAMMOTH BRONZE TURKEYS FROM Chicago and Madison Square winners. Eggs, $1 each; 11 for $10. E. Biddleman, Kinsley, Kan.

EGGS FROM GIANT BRONZE TURKEYS. 40 lb. toms several generations. 75c each. White Pekin ducks, prize winning strain, $1.25 setting. Elmer C. Larson, Courtland, Kan.

GIANT BRONZE TURKEY EGGS. BEST of breeding. $1 each. First prize tom at Wichita State Poultry Show at head of flock. Booking orders. Ben Ely, Kinsley, Kan.

Capper Poultry Club

Let's Make May a Big Month for County Meetings

BY RACHEL ANN GARRETT
Club Manager

DOESN'T time fly? Our calendar tells us that May is here, and that April has gone, which means, translated into club language, that one month of the pep contest is over. The first milestone is passed. Have you ever noticed the runners in a long race—how they start out slowly and steadily, saving their breath for the final dash that carries them beyond the goal? Of course, they don't stop on the way. They keep going, but they work up speed for the last part of the race. Our pep race has begun much the same way. The counties are holding their meetings. They are lined up and they are working up a great deal of pep, and I should say, judging by the manner in which the contest is beginning, that the end is bound to be enthusiastic and exciting.

"Peep O' Weep" is Out

Have you thought about a newspaper for your county? Finney county has one, and the girls have decided to call it "Peep O' Weep." It is edited by Olive Weaver. Nina Will, Finney county club leader, tells about it in a recent letter. She says: "We held our first meeting at our home on April 19 with 36 persons present, eight of whom were club members. We certainly had a fine program. Every one of the members took part in it, and some had more than one part. We had outsiders on the program, too. Everyone enjoyed it. Olive Weaver is the editor of our newspaper which we're going to call 'Peep O' Weep.' We elected our officers and gave our yells. We have a song and several yells. We had a fine time, including refreshments of apple salad, cake and pickles. We're out for the cup."

McPherson County Holds Meeting

"We met April 21 at the office of our county farm agent, Mr. Emmert," writes Daisy Hartman, leader for McPherson county, "but after school is out we intend to meet at our homes, so that we can see how different club members care for their chickens. Katherine Groves, our president, took charge of the meeting, and after roll call, we took up a study lesson about the different breeds, and also about incubators. Mrs. Groves told us some interesting things about hatching eggs, both with an incubator and with a hen. Then we had some recitations and finished electing our officers. Every member has an office of some kind, so we'll each have our part to do. I was the only member in the club last year, and while I enjoyed raising my chickens I think it is going to be much more interesting and pleasant this year with more club members."

We Hear From Bertha

"We held our meeting April 9 and elected our officers," says Bertha Bechtel, Lyon county leader. "We surely did have a fine meeting and lots of fun. I think club members always have a good time when they get together, don't you?"

I should say I do think club members have a good time together, Bertha, and I sincerely wish I had the space in which to print all of the interesting letters that tell me about various county meetings. I'm sure the girls in the Capper Poultry Club have their quota of pep and enthusiasm.

It was announced in the last poultry club story of the Mail and Breeze that Mrs. Langenderfer of Lawrence, Kan., was offering a Single Comb Rhode Island Red cockerel as a breeder's prize. This was an error. Mrs. Langenderfer is offering a Rose Comb Rhode Island Red cockerel which will be given as second prize to the girl making the second best record with this breed.

Mrs. Robert Simmons of Severy, Kan., who offered a prize Barred Rock cockerel not long ago, writes me this letter: "I want to tell you just why I wish to help the poultry club girls. When I was married, I knew nothing about poultry, as I was a city girl. When we moved to the farm, Mr. Simmons had two purebred Barred Rock hens and one cockerel and that was my start with purebred poultry. I made up my mind I would have only the best. I have had to learn from experience, and study hard, but now I thoroly understand the breed and know how to mate the birds and I feel that my efforts have been repaid. Because I know just what the inexperienced girl has to contend with, I wish to make this offer. Besides the prize cockerel that I offered recently, I will give to every girl who wins a first prize on a cockerel, pullet or pen hatched from eggs purchased of me, a setting of eggs. These eggs will come from my best pen, and should be a great help to her. They can have the eggs either in March or April next year."

Sentence Sermons That Help Much—If Practiced

BE EVER willing to learn from the experienced breeders.

Your best efforts bestowed upon one variety will result in your greater satisfaction.

Buttermilk in any form is a most wonderful food.

You don't have to invest a fortune to enter in poultry keeping—start small and let it grow into a huge success.

The drinking dishes should be cleaned and refilled at least once a day, oftener during the spring, summer and fall.

Make your poultry a year-round business. Hatch more, grow them better and have more to sell.

Sprouted oats always will prove beneficial to old or young chickens. They are always in season and most welcome.

The best breed may be any breed. It all depends upon the person who cares for the birds.

Feed plenty of dry bran to the growing chick.

The person who accomplishes things has learned to labor while he waits.

POULTRY WANTED

OFFER YOUR BROILERS AND OTHER poultry to us. Cash bids any time. "The Copes," Topeka.

PREMIUM PRICES PAID FOR SELECT market eggs and poultry. Get our quotations now. Premium Poultry Products Company, Topeka.

WANTED—20,000 BABY CHICKS. MAY delivery. Advise hatching dates. Ducks and goose eggs wanted. Clark Ely, Alcott Station, Denver, Colo.

POULTRY SUPPLIES

THE CHICKEN'S FRIEND—KEEP LITTLE chicks free from lice, mites and chiggers. Does away with old method of dipping and greasing. Price 50c and $1. Large size makes 200 quarts medicated feed or drinking water. Salina Chemical Co., 141 South 8th St., Salina, Kan.

Several Varieties—Eggs

ROSE COMB SILVER LACED WYANdotte eggs, 15, $1; 30, $1.50; 100, $5. Baby chicks, 12c each. Buff Orpington duck eggs, 12, $1.50. Toulouse geese eggs, 25c each. Herbert Kruger, Seneca, Kan.

agreement, Bill finally said: "Well, let's leave it to a lawyer."

"That's a go," said Henry. "I've got one in the house; we'll ask him."

The Vest Pocket Lawyer was consulted. It settled the argument right off the bat.

That little book is filled with legal information. Questions of law frequently come up on the farm. Often there is no time to consult an attorney and it is necessary that the point be properly settled.

Pay a 50-cent fee and have all your legal questions answered and gain a knowledge of law besides. On receipt of 50 cents, mailed to the Book Editor, The Kansas Farmer and Mail and Breeze, Topeka, Kan., the Vest Pocket Lawyer will become a member of your family, arriving by return mail.—Adv.

This Lawyer Charges No Fee

The argument was getting rather warm. It was over the form of a lease. Each man was sure he was right.

Seeing there was no chance for an

Getting a Stand of Alfalfa

Kansas farms ought to be growing 2 or 3 million acres of alfalfa. The state now has about 1 million. A big acreage will be sown in 1922. More care than usual will be required in the preparation of the seedbeds if this is to result in real stands. A firm, well compacted soil, with only a little loose dirt on top is required. There must be plenty of available moisture and plant food in the soil at planting time. This means plowing about 4 inches deep just as soon as possible after the small grain crop is off the ground, and frequently cultivations with a disk or a harrow from then until seeding time.

Bloc Is Stronger

From Greenville, Tex., Banner.

The selection of Senator Capper as the head of that body promises increased strength to the bloc. Many people of the Middle and Southwest who never heard of Senator Kenyon as a friend of the farmer, will take an interest in the farm bloc as never before. Senator Capper has a stronger following than he perhaps realizes himself. He can command the sympathy, interest and support of many people outside his own state, and there is every probability that that pseudo-political body will have several accessions, particularly from the sections of the country indicated.

Why Not More Sudan?

Sudan grass has demonstrated its value in every Kansas county as a hay and pasture crop. It can be planted late, which will be of advantage this year, because of rains which have kept farmers out of the fields. The acreage ought to be increased greatly. Seed is cheap. Why not try it this season?

A Valuable Pasture Crop

Sudan grass makes an excellent feed for milk cows when the native pastures are dried up during the hot summer. Sudan can be planted in rows and cultivated or sown in drills 6 or 7 inches apart. When sown in drills it will take about 20 pounds of seed an acre. There is plenty of good Sudan grass seed available in Kansas.

According to quota arrangements of the United States immigration law, 26,300 Russians will be permitted to enter this country before July, 1922.

In Russia a small shopkeeper has a daily turnover of 20 to 30 million rubles.

The largest natural gas field ever discovered was recently uncovered in Northern Louisiana. It covers an area of 212 square miles.

REAL ESTATE

SALE OR EXCHANGE

TRADES—TRADES—TRADES

Describe your property. Tell me what you want. Get my list. Prompt service. Reasonable commissions. No deal, no pay. Trade quick with **C. M. Kelley, The Land Man, Beaver City, Nebraska.**

TO THE INVESTOR

We have some bargains in farms, ranches and income property for sale and exchange. If you have something for exchange tell us your wants. Also have grocery stores, confectioneries and other small business propositions for sale. If you are in the market for anything get in touch with us. **Hemphill Land Company, Lawrence, Kansas.**

FINE APARTMENT, income $6,510 per year, operating expenses $1,800 per year, price $65,000, incumbrance $22,000. Want clear farm for equity.

480 acres, highly improved, fine stock and grain farm; 2 sets improvements; fine new modern $17,000 home built 1921; 4 miles Lawrence; price $200 per acre; incumbrance $52,000. Want land or business building. **Mansfield Investment Co., Lawrence, Kan.**

The Real Estate Market Place

CUT IN RATES
For Real Estate Advertising
New Rates—
45c a line per issue on 4 time orders.
50c a line per issue on 1 time orders.
(Rate was 75c a line.)

There are 7 other Capper Publications that reach over a million and a half families which are also widely used for real estate advertising. Write for special Real Estate advertising rates on these papers. Special discount given when used in combination.

Special Notice

All advertising copy discontinuance or ders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication.

KANSAS

FINE large eastern Kansas farm; well imp. Particulars write **H. Millar, Garnett, Kan.**

FARM and ranch land. $10 to $50 a. Tell me your wants. **R. M. Crawford, Hugoton, Kan.**

136 ACRES, imp., $70 per a. Write for terms and description. **C. F. Eatinger, Harper, Kan.**

80, WEST. KAN., excellent wheat land, $15 to $20 per a. **Joe McCune, Elkhart, Kan.**

SMOOTH, wheat lands. Reasonable price. Terms. **Clement L. Wilson, Tribune, Kan.**

FOR SALE—Fertile level dairy farm 80 mi. south Olathe, Kan. Oil road, electricity. Particulars write **A. J. Meyers, Olathe, Kan.**

320 ACRES in Wichita county, all good, level land, $17.50 per acre, liberal terms. **H. L. Baker, LaCrosse, Kansas.**

80 ACRES, 5 miles town, good improvements. $5,000. Trades a specialty. **Franklin Co. Investment Co., Ottawa, Kan.**

IF YOU want to buy, sell or trade your land for income or general mdse. write **Ringy & Nelson, 114 W. 8th, Topeka, Kan.**

320 ACRES, Grant county on Santa Fe building from here. $20 acre. Near new station. Terms. **John D. Jones, Satanta, Kan.**

90 ACRES, 5 miles town; improved; 22 alfalfa. Must sell settle estate. **Mansfield Land & Loan Co., Ottawa, Kan.**

S. E. KANSAS FARM, $75.00 ACRE
150 acres highly and newly improved.
Culver & Clay, Humboldt, Kansas

80 ACRES HIGHLY IMPROVED, $65 ACRE
½ mile of town, 2 railways, best bargain in E. Kan. **Sewell Land Co., Garnett, Kan.**

KANSAS BARGAIN—Solid section, 9 miles Utica, unimproved, rolling, all in grass, running water. $20 acre. Terms. No trade. **Jas. H. Little, LaCrosse, Kansas.**

LAND producing $100 to $1,000 per acre, 5 to 40 acre, payments, $50 to $300 down. Send for booklet.
The Magnolia State Land Company, Iola, Kan.

480 ACRES virgin soil, $7750. Best wheat land. Stanton county, near Ry. (now bldg.) $4,600 cash, bal. annual payments, 6% int. Write owner, **James Herrick, Johnson, Kan.**

SOUTHEASTERN KANSAS. Good farm lands. Low prices, very easy terms. Exchanges made. Send for booklet.
The Allen County Investment Co., Iola, Kan.

BUY IN northeastern Kansas where corn, wheat and all tame grasses are sure. Send for farm list. **Silas D. Warner, 727½ Commercial St., Atchison, Kansas.**

WHY PAY RENT when we can offer you a 320 acre farm located in Gray Co., Kan., well improved, 160 acres wheat. Located 2 mi. Copeland. Possession Aug. 1. Price and terms reasonable. **Frank McCoy, Sublette, Kan.**

SEVERAL good wheat farms and ranches in southwest Kansas. Clear. To trade for eastern Kansas or Missouri farms if clear. **Clay McKibben Land Co., Dodge City, Kan.**

BUY LAND NOW while it is cheap, crop prospects were never better, plenty of moisture which insures big crop. We have some real bargains. **The Carlton Land Co., Oakley, Logan Co., Kansas.**

QUARTER ON NEW R. R.
Haskell Co., 4 miles from town on Santa Fe building out of Satanta. Price $2,900. Terms on $1,500. All level wheat land. Write owners, **Griffith & Baughman, Liberal, Kan.**

80 ACRES, 6 miles Ottawa, good imp., worth $150 a. Take $110, good terms, possession. 165 a., 3 mi. R. R. town, high school, Franklin Co., good imp., $80 per a., extra good terms. Write **Spangler Land Co., Ottawa, Kan.**

640 ACRES, $30.00 per acre, mostly level as a floor, fine soil, choice improvements on cement pavement, near Garden City, with fine schools and junior college. One-half cash, balance easy terms, 7%. Also, 1,600 acres pasture and wheat land, $12.50 per acre, in 160 acre tracts, $800 down, balance crop payment plan, or easy terms.
Geo. W. Finnup, Garden City, Kansas.

FOR SALE—210 a. high class grain farm; well improved; 2 miles of town; ideal farm for dairying. For full particulars of this and other farms write the **Mansfield Land Mortgage Co., 312-13 New England Bldg., Topeka, Kansas.**

320 ACRES, five miles town, good improvements, 40 acres wheat. Price $40.00 per acre. Want highly improved farm close to town. Write for list and Kansas map.
Mansfield Investment & Realty Company, Healy, Lane County, Kansas.

STANTON, GRANT AND HASKELL county, Kansas, land, ¼ section and up, $15 to $20 acre. Buffalo grass sod. Best wheat land. Santa Fe Ry. now under construction. ⅓ cash, balance 5 years 6% annually. This land will double in value after R. R. is built. Bargains in S. W. Kansas improved farms. Write **Eugene Williams, Minneola, Kansas.**

THE HOME YOU HAVE ALWAYS WANTED
320 acres rich fine land on oiled road; beautiful drive to K. C., wheat, corn, alfalfa, bluegrass, clover grow to perfection, living water, 6 r. house, large barns, cribs, granary, finely located, near two good towns, school across the road, possession, forced sale; $95 per acre, attractive terms. Where can you duplicate it? See this farm.
MANSFIELD LAND & LOAN COMPANY, 415 Bonfils Bldg., Kansas City, Mo.

Pay No Advance Fee

Don't give option or tie up real estate for any kind of contract without first knowing those you are dealing with are absolutely honorable, responsible and reliable.

ARKANSAS

WANT 160 ACRES free homestead land? Write **M. H. Decker, Norfork, Arkansas.**

FOR BEST BARGAINS in Grant Co., Ark., farms, write **P. E. Teter, Sheridan, Ark.**

BUY A FARM in the great fruit and farming country of northwest Arkansas where land is cheap and terms are reasonable. For free literature and list of farms write **Doyel & Alsip, Mountainburg, Arkansas.**

SEND NO MONEY IN ADVANCE
Ten acre oil lease in southern Arkansas only $25, near drilling wells. Everything sent on approval. Return papers if not satisfied. Write now and get best location. Map and geological reports free.
John D. Baker, DeQueen, Arkansas.

COLORADO

COLORADO, 480 acres, bargain. Write owner, **John B. Fried, Jamestown, No. Dakota.**

BUY Colorado farms and farm mortgages. Write or see **Capital Investment Co., American Bank Building, Denver, Colorado.**

EASTERN COLORADO LAND. My listings at your service. Information free. Some trades. **Gust Westman, Flagler, Colorado.**

30,000 ACRES, heart of Baca Co. farming belt. Wheat and corn average 30 bu. acre. Price $15 to $30. **Chas. Stoner, Vilas, Colo.**

CHOICEST, most productive farm lands, $12.50 to $25.00 per acre. Baca county. **Syndicate Land Co., Springfield, Colo.**

IMPROVED FARMS on Colorado Springs Farmers' Highway, $15 to $50 acre, rich sandy loam, bountiful crops.
Noah Holt, Box 587, Pueblo, Colorado.

BACA COUNTY LAND, $15 to $25 acre. Schools, churches. wheat, corn, 20 to 40 bu. acre. Two Rys. under construction. Prices advancing. **Ellis & Norvell, Stonington, Colo.**

COLORADO STOCK RANCH—Big bargain, 17,000 a. (1,680 a. deeded, bal. state leased land). Near Colorado Springs, elegant grass, good water, fences, 2 sets improvements, cash price $55,000. Immediate possession.
C. C. Carson, Owner, Jefferson City, Mo.

Stop! Read This! Then Come!

And see this 1,120-acre tract of wheat land six miles northeast of Springfield, Colo. All level, shallow water, black sandy loam soil. 2 wells and some improvements. This will not last long at $20.00 per acre.
OTHO ALEXANDER, SPRINGFIELD, COLO.

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Come to a country where irrigated land is cheap and production is high.

IRRIGATED FARMS IN SOUTHERN ALBERTA

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For full particulars apply:
CANADA LAND & IRRIGATION CO., LTD., Land Dept. Medicine Hat, Alberta

MISSOURI

160 ACRES, 12 cleared, some fruit, $1,000. Worth $1,600. **Ross & Reynolds, Buffalo, Mo.**

LISTEN, 40 acre imp. farm $1200. Good terms. Other farms. **McGrath, Mountain View, Mo.**

WRITE FOR FREE LIST of farms in Ozarks. **Douglas Co. Abstract Co., Ava, Mo.**

$1 WEEKLY will buy a home of 20 acres, good land, in sunny south Missouri. Particulars free. **W. A. Merriam, Taneycomo, Mo.**

277 ACRES, rich level black land, joining Sedalia, Mo. 3 sets imp., will subdivide, terms. **C. E. Kroh, Scarritt Bldg., K. C. Mo.**

THREE GOOD FARMS—85 to 160, 3 miles good county seat and college town, good roads, good soil, good water, bargain prices, liberal terms. **West Realty Co., Bolivar, Mo.**

POOR MAN'S CHANCE—$5 down, $5 monthly buys forty acres grain, fruit, poultry land, some timber, near town, price $200. Other bargains. **Box 425-O, Carthage, Missouri.**

ATTENTION FARM BUYERS—I have all size farms for sale. Well improved. Good soil. Good water. Mild climate. Low prices. Good terms. List free. Write
Frank M. Hamel, Marshfield, Mo.

LAKE TANEYCOMO in sunny south Missouri, 25 miles long. Fishing, hunting. 3½ acres lake front, $400. Terms. Fine for resort, summer home, poultry.
W. Merriam, Taneycomo, Mo., Farm Dealer.

MICHIGAN

MICHIGAN farms for sale. Send for farm folder. Large tracts grazing lands.
Greacens Real Estate Agency, Kalkaska, Mich.

MONTANA

MONTANA WHEAT LAND
Write **F. P. Rowell, Judith Gap, Mont.**

TEXAS

FOR SALE—1,300 acres, 1 mile Santa Fe station, Seipscomb Co., Tex. Near Okla. line; good for grain or stock ranch. For particulars write **Milo J. Owen, Barton, Vt.**

WASHINGTON

MUNICIPAL LANDS FOR SALE
By the district, no agents, no commission. Interested only in getting home builders on the project. Longest growing season in the northwest. Gardens and fruits thrive. Highways, schools and railroads the best. Junction Snake and Columbia Rivers. Write for terms and folder. Address
BURBANK IRRIGATION DISTRICT NO. 4, Burbank, Washington.

REAL ESTATE WANTED

WANT TO HEAR from party having farm for sale. Give particulars and lowest price. **John J. Black, Capper St., Chippewa Falls, Wis.**

I HAVE CASH BUYERS for salable farms. Will deal with owners only. Give description and cash price.
Morris M. Perkins, Columbia, Missouri.

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FREE GOVERNMENT LANDS
Our official 112-page book, "Vacant Government Lands," lists and describes every acre in every county in U. S.; tells location, place to apply, how secured free. 1922 diagrams and tables, new laws, lists, etc., price 50 cents postpaid.
Webb Publishing Co., Dept. 92, St. Paul, Minn.

THE GREAT NORTHERN RAILWAY has 8,000 miles of railroad in Minnesota, North Dakota, Montana, Idaho, Washington, and Oregon. In this vast empire lands are cheap and taxes low. Send for free books describing grain lands, dairying, fruit growing and stock raising. We can locate you no matter what line of agriculture you wish to follow. Low round trip homeseekers fares.
E. C. Leedy, Dept. G, St. Paul, Minn.

LAND—VARIOUS STATES

SELL YOUR PROPERTY QUICKLY
for cash, no matter where located, particulars free. **Real Estate Salesman Co., 515 Brownell, Lincoln, Neb.**

PRODUCTIVE LANDS. Crop payment or easy terms, along the Northern Pacific Ry. in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. Free literature. Say what state interests you. **H. W. Byerly, 81 Northern Pacific Ry., St. Paul, Minn.**

$700 Gets 240-Acre Farm With Horses, Poultry, 13 Cows and
Calves, vehicles, tools, etc., thrown in; on improved road close village and R. R.; machine-worked fields, 30-cow spring-watered pasture; plenty of wood, 75 apple and plum trees; attractive 10-room house, running water, overlooking lake; barn, 45-ft. stable, garage. Owner's other interests force sale $3,850, only $700 down, easy terms. See page 21 illus. catalog 1200 bargains. Free.
STROUT FARM AGENCY,
831GP New York Life Bldg., Kansas City, Mo.

SALE RENT, OR EXCHANGE

SALE, RENT OR EXCHANGE—160 acres, 4 mi. northwest of Buxton, Kan. Immediate possession. **John Deer, Neodesha, Kan.**

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Farm AND Ranch Loans

Kansas and Oklahoma
Lowest Current Rate
Quick Service. Liberal Option.
Interest Annual or Semi-Annual.
THE PIONEER MORTGAGE CO., TOPEKA, KANSAS.

SALE OR EXCHANGE

SELL and exchange Franklin Co. land, $75 a. and up. **Lyman Dickey & Co., Ottawa, Kan.**

LIST MDSE. with us for land and income. **Triplett Land Co., Garnett, Kansas.**

WANTED a small hardware stock in a good town in exchange for a good farm. Address, **2274 Russell Ave., Kansas City, Kan.**

FOR SALE OR TRADE—$5,000 equity in farm, eastern Kansas. **H. F. Roberts, 62 Home St., Winnipeg, Canada.**

320 ACRES, bottom, ¼ mi. R. R., high school, 285 cult., 80 alfalfa, 80 wheat, for hdw. or general mdse. **L. S. Hoover, Eureka, Kan.**

WANT TO TRADE—New Grey 18-36 tractor with plows and 160 acres wheat land for small improved place near good, south central Kan. town. **G. S. Walton, Mayfield, Kan.**

FOR SALE OR TRADE—Garage, rooming house, shoe store, farms, suburban tracts, city property, ranches.
H. H. Johnsmeyer, Marion, Kansas.

SALE OR EXCHANGE for stock of mdse., modern broom factory, Centralia, Mo. Labor conditions unexcelled. Capacity 75 to 90 doz. Cash price $16,000. Fully equipped.
C. C. Carson, Owner, Jefferson City, Mo.

FOR SALE OR EXCHANGE for Kansas farm, 110 acres in the Imperial Valley of California, 7½ miles from Imperial, under the finest irrigation system in California. Rich soil, adjoins main ditch and all leveled for perfect irrigation. Will grow corn, cotton, grape fruit, grapes, garden truck, alfalfa or any crop suited to a semi-tropical climate. Will exchange for good Kansas farm priced right or will sell as whole or divide and make terms to suit responsible person. This land has bank appraisement one year ago of $13,000 and I am pricing it at $100.00 per acre, which is $25.00 to $50.00 under similar land. Get you a farm where there is practically no winter and crops never fail. **H. W. Dorsett, 1750 East 2d St., Long Beach, California.**

COLORADO COLORADO

Iowa Farmers in a Colorado Cornfield

$30 to $60 per Acre. Ten Years' Time.



$30 to $60 per Acre. Ten Years' Time.

These Iowa farmers examined this field of corn growing on Prowers County land in July, 1921. It was as good as corn growing in their own Iowa neighborhood where 80 acres costs as much as a section of this land. They saw a threshing outfit in our wheat fields turning out number one, dark hard wheat. It was easy for them to decide to change their homes and move to Prowers County.

They purchased land in Prowers County and are now moving onto it to engage in the business of raising wheat, corn, hogs, poultry and dairy products just as good farmers should do anywhere. Their land cost them only $42.50 per acre, seeded to wheat. We gave them terms just as we are prepared to make terms to other good settlers which will enable them to

Make Their Farms Pay for Themselves

They now OWN FARMS. They are HOME OWNERS—NOT RENTERS. Splendid, level roads lead from these new homes to the growing city of Lamar, which with its stores, wholesale houses, flour mill, milk condensary, broom factory and various other industries, furnishes a ready cash market for all of the products of the farm. In less than a half hour an ordinary "flivver" will take the family to the well equipped school and beautiful churches of which Lamar is so justly proud. They are not moving away from civilization; they are coming to a growing city of 6,000 people, the county seat of Prowers County, on the best railroad system in America. COME TO LAMAR. LOOK OVER OUR LANDS. WE FURNISH WARRANTY DEEDS AND ABSTRACTS SHOWING GOOD TITLE. TERMS: ONE-THIRD CASH, BALANCE TEN YEARS TIME, INTEREST 6%. LAND SO LOCATED WILL SOON DOUBLE IN VALUE. NOW IS THE TIME TO BUY LAND. Railroad fare refunded to purchasers.

Let us tell you more about this new and wonderful country. ACT NOW. Sign coupon your name and address and let us mail you free booklet. No cost or obligation on your part.

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Chipp & Son Duroc Sale

Richmond, Kan., Saturday, May 20

22 Females; 1 Boar 8 tried sows—Pathfinder, Defender, Illustrator Orion Breeding. Farrow summer litters, bred to a son of Uneeda Sensation, 1921 World's Junior Champion and a grand son of Major Sensation, 1919 World's Junior Champion.

6 sows with March pigs at side, averaging six pigs to the litter. Four by a Great Wonder I Am sire, two same breeding as tried sows. Pigs by Uneeda Sensation sire.

8 Spring gilts out of tried sows by an Orion bred sire, bred to Uneeda Sensation sire. Four farrow shortly after sale; four farrow early summer.

1 boar—herd sire too closely related to many females in herd. Grandson of Pathfinder out of a Defender dam. Good thrifty immuned offering. Selling at farm 3 miles northeast of Richmond, Kan. Send mail bids to J. T. Hunter. Write for catalog mentioning Kansas Farmer and Mail & Breeze. Address.

W. F. Chipp & Son, Richmond, Kan.

Homer Rule, Auctioneer. J. T. Hunter, Fieldman.

SPOTTED POLAND CHINA HOGS

Bazant's Spots

Challenge the Best



No public sales, but the best at private treaty.

I offer for immediate shipment in light crates—

100 last August gilts, bred or open. Registered free in the Spotted Poland China Record association, and bred to either of my great herd boars bred by Fields and Obenchain and carrying plenty of English breeding.

265 spring pigs in pairs and trios, not related. Sired by the great boars mentioned above. All are vaccinated.

Special prices on larger numbers.

No breeder anywhere can offer 100 better fall yearling gilts than the 100 Mr. Bazant offers in his advertisement. The spring pigs are the best I have seen this spring.—J. W. Johnson, Capper Farm Press.

Everything immunized.

For prices, descriptions and any other information write to

R. J. Bazant, Narka, Kan.

Cloverdale Spotted Polands

Weaned pigs by Royal Duke 45063, one of the best sons of Y's Royal Prince 6th. These pigs out of five to six hundred pound sows, mostly granddaughters of Old King of England. Are choice well marked with plenty of length, height and extreme bone. At $20 each or $55 for an unrelated trio. They sell guaranteed to suit you or money back. Ship C.O.D. if desired.

WM. ATWELL, BURLINGTON, KANSAS

Gilts Bred to Son of Grand Champion

Leopard King. A few tried sows and spring pigs, grandsire Arch Back King. Also good herd boar. Everything immune. T. L. Curtis, Dunlap, Kansas.

Spotted Poland Chinas

Stock of all ages. The best blood lines.
A. S. Alexander, Burlington, Kansas.

Spotted Polands, Both Sexes

Big type and English. C. W. Weisenbaum, Altamont, Kan.

Spotted Poland China Pigs, Either Sex

Best bloodlines. Hubert Sherman, Geneva, Kan.

TAGGART'S SPOTTED POLANDS

We are offering boar pigs at a bargain, shipped in May; also a few sows. Write us.
Taggart Bros., Olpe, Kansas

HAMILTON'S SPOTTED POLANDS

Best of breeding. All ages. Exceptionally good Sept. boars. Prices right. Satisfaction guaranteed.
W. P. Hamilton, Belle Plaine, Kansas

HAMPSHIRE HOGS



Walter Shaw's Hampshires

200 HEAD: REGISTERED, immuned, tried bred sows and gilts, serviceable boars.
WICHITA, KANSAS, RT. 6, Telephone 3918, Derby, Kan.

Purebred Hampshire Pigs

for sale, either sex, each $15; pair, $25; trio, $37.50. Joe O'Bryan, St. Paul, Kansas.

WHITEWAY HAMPSHIRES ON APPROVAL

Choice fall boars and gilts. Big hardy fellows sired by the champion. Immunized pairs and trios not related. F. B. WEMPE, FRANKFORT, KANSAS.

SUMMIT HOME

Choice fall gilts and boars ready for service, prize winning strain. Immunized and shipped on approval. S. W. Shineman, Frankfort, Kan.

REG. HAMPSHIRE PIGS FOR SALE

Pairs and trios unrelated.
Malcolm Woodson, Penalosa, Kansas

DUROC JERSEY HOGS

A Few Outstanding Fall Boars

by Major Sensation's Col., 1922 Kansas Nat'l grand champion, and by his litter brother, Major's Col. Sensation. Priced right. The home of champions.
J. F. LARIMORE & SONS, GRENOLA, KAN.

Shepherd Calls a Halt

No bred sows and gilts for sale at this time. Offering fall boars by Shepherd's Orion Sensation and Pathfinder Jr. Good ones. Write us.
G. M. SHEPHERD, LYONS, KANSAS

HERD BOAR PROSPECTS

All ages. Priced right. Shipped on approval. By Greatest Sensation, half brother to 1921 Topeka champion, and Waltemeyer's Giant by Mahaska Wonder. Also BRED SOWS AND GILTS.
W. R. HUSTON, AMERICUS, KANSAS

DUROCS

No bred sows or gilts at this time. Twenty fall gilts open. Ten fall boars. Eight spring yearling boars. All good ones.
D. C. ASHER, LAWRENCE, KANSAS

WE SPECIALIZE ON

WEANLING PIGS

All stock reg., immuned, and guaranteed to please, booking orders now, liberal terms.
STANTS BROS., HOPE, KANSAS

Gilts to Farrow in June

$30 each. Also some fall boars. 150 spring pigs at weaning time. Sensation and Pathfinder breeding. J. E. Weller, Holton, Kan.

Durocs $20 to $30

Boars ready for service. Fall pigs, either sex, not related, by Hurdler Pathfinder and Valley Wonder Sensation. E. C. MUNSELL, RUSSELL, KANSAS.

Wooddell's Fall Boars

Growthy, well bred boars. Priced right.
G. B. WOODDELL, WINFIELD, KANSAS

Fall Boars and Gilts By Jack's Great Orion

Booking orders for spring pigs by Orion the Great. Sid Replogle, Cottonwood Falls, Kan.

DANNER'S DUROC JERSEYS

Fall boars by Major's Great Sensation, junior champion 1921 Kansas fair. Good ones priced to sell. T. F. Danner, Winfield, Kan.

DUROC JERSEY FALL BOARS

Col. and Pathfinder bred, September farrow, immunized. Pedigrees furnished. Guaranteed breeders. Crates $2.50. $25 each.
Sherwood Bros., R. F. D. 2, Concordia, Kan.

FALL BOARS BY PATHFINDER

Sire out of Uneeda High Orion dam, $25.00.
H. B. Marr, Route 3, Fort Scott, Kansas

WEANLING DUROCS FOR SALE

By Major Sensation Col., Grand Master and other good sires. At prices any farmer can afford to pay.
Overstake Bros., Atlanta, Kansas

CHESTER WHITE HOGS

CHESTER WHITE BOARS

Fall boars, wt. 175 to 225 lbs., by Chief Justice 2nd and Alfalfa Model, big type breeding, prize winning blood. Weanling pigs, special prices on trios, not akin. Everything immuned. Shipped on approval. Write for circular. Alpha Wiemers, Diller, Nebraska.

O. I. C. Pigs, $10.00 Each

Either sex. E. S. Robertson, Republic, Mo.

One Extra Choice October Boar

immune. HENRY MURR, Tonganoxie, Kan.

O. I. C. Spring Pigs, Sows and Boars

Ready to ship. Harry Haynes, Grantville, Kan.

FALL BOARS, WEIGHT 200 POUNDS

Sired by prize winners, $35 and up. Shipped on approval. Henry Wiemers, Diller, Neb.

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217 Beacon Bldg., Wichita, Kan.

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My reputation is built upon the service you receive. Write, phone or wire.

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Purebred stock sales, land sales and big farm sales. Write or phone as above.

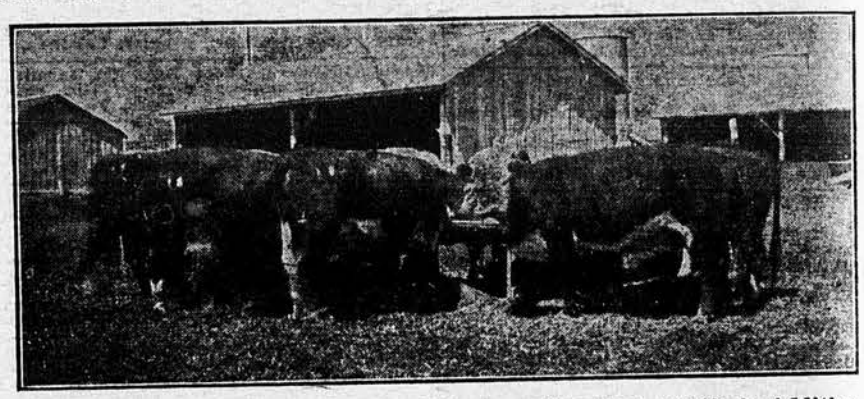
Farmers Studied Feed Tests

(Continued from Page 2)

dicate that stock cows can be wintered on straw alone, but they will lose weight, and that some other feed, preferably one rich in protein, should be added if one expects to get most satisfactory results," said Dr. McCampbell in commenting on this test. "It also is well to add some protein feed when wintering cows on silage alone."

Another experiment touched on in the summary of the year's work is that begun in May, 1921, to determine the influence the age at which heifers calve has on the development of the heifers and their future calf crops. Forty-eight heifer calves born in the spring of 1920 were divided into groups. The heifers in Group 1 were bred to bring calves during the spring of 1922, at 2 years old. The heifers in Group 2 will be bred to calve in 1923 at 3 years old. The test will be continued for seven years, according to present plans.

Sheep men sometimes have thought that cottonseed meal was harmful to breeding ewes, and in an effort to obtain some reliable data on this, and on the cheapest source of satisfactory protein in wintering ewes, the Hays station has conducted an experiment to show the comparative value of alfalfa hay and cottonseed cake as a protein supplement for dry roughage in wintering mature ewes. Forty mature ewes were divided into equal groups and the test carried on for 133 days. One group received a daily ration for each ewe of 4.3 pounds of kafir stover and 1 pound of alfalfa hay, while the other group was given 6.1 pounds of kafir stover and .33 pound of cottonseed cake. At the end of the feeding period the group receiving stover and alfalfa showed an average gain of 5.2 pounds, and the ewes fed stover and cake 12.2 pounds gain.



Cows on Silage Alone Did Well, but This Group Received Alfalfa in Addition and Showed Heaviest Gains of the Five Lots on Test

In the test to show the value of linseed meal as a protein supplement in the winter ration for ewe lambs, 38 lambs were divided into two groups. One group received a daily ration for each lamb of 2.6 pounds of kafir stover and 2 pounds of silage. The second group received 2.9 pounds of kafir stover and .17 pounds of linseed meal. The lambs were on test 133 days. At the end of the test the first group showed an average loss of 1.4 pounds, while the group receiving the linseed meal and kafir stover showed an average gain of 6.7 pounds. The linseed meal proved to be a satisfactory source of protein for lambs when fed with dry roughage.

Before going to view the livestock on test, the crowd gathered at the experiment station listened to interesting talks by President W. M. Jardine of Kansas State Agricultural College, Station Superintendent L. C. Aicher, C. G. Cochran of Hays, and M. R. Baker, a ranchman and farmer of Wallace county.

The Kansas Farmer's Business

(Continued from Page 20)

glue, 3c; dry flint, 8 to 10c; horse hides, $2.25 to $2.75.

The wheat trade during the last 10 to 15 days has been more or less erratic and nervous. The close of April brought extensive liquidations of May contracts at Chicago and a substantial increase in primary receipts. This action coupled with weakness in foreign markets had a depressing effect on the trade in general. Most of the grain men it is said believe that there is plenty of wheat in the United States available for delivery should there be any attempt to crimp down on the May deliveries and establish a corner on the Chicago market.

Elevator stocks at Kansas City are in excess of the average for this season of the year. In fact there are about 5,691,000 bushels more on hand now at Kansas City than there was at this time last year. During the month of April there was a reduction of 2½ million bushels at Kansas City, a large part of which was shipped to Chicago, Buffalo and other Eastern points.

It is a little early yet to determine definitely any reasonable estimate on the new wheat crop. Reports from Europe are in the main unfavorable, but some relief from drouth in Australia came recently and the wheat yield in India is now estimated to be about 100 million bushels more than last year. Unfavorable reports concerning plowing and planting operations in the United States have tended to steady the market for both wheat and corn. Seeding of the spring wheat crop was delayed greatly by wet weather and the acreage will be somewhat reduced on that account.

The Movement in Futures

The movement in grain futures during the last fortnight has been more or less nervous and erratic. The following quotations on grain futures are given at Kansas City:

May wheat, $1.24½; July wheat, $1.17; September wheat, $1.10⅛; May corn, 54⅝c; July corn, 58½c; September, 61½c; May oats, 35c; July oats, 37⅜c.

On cash sales the demand for wheat at Kansas City was good and prices for all grades were steady. The following sales are reported: No. 1 dark hard wheat, $1.37 to $1.55; No. 2 dark hard, $1.36 to $1.55; No. 3 dark hard, $1.34 to $1.53; No. 4 dark hard, $1.34 to $1.53; No. 5 dark hard, $1.32 to $1.50; No. 1 hard wheat, $1.29 to $1.48; No. 2 hard, $1.28 to $1.48; No. 3 hard, $1.25 to $1.45; No. 4 hard, $1.20 to $1.39; No. 5 hard, $1.12 to $1.20; No. 1 Red wheat, $1.32 to $1.34; No. 2 Red, $1.30 to $1.32; No. 3 Red, $1.24 to $1.27; No. 4 Red, $1.18 to $1.25; No. 2 mixed, $1.42; No. 3 mixed, $1.25 to $1.36.

Corn and Other Cereals

Corn at Kansas City is steady to 1 cent higher with good demand. Oats also are steady with fair demand. The following sales of corn are reported:

No. 1 White corn, 55¼c; No. 2 White, 55¼c; No. 3 White, 54½ to 55c; No. 4 White, 54c; No. 1 Yellow corn, 55¾c to 56c; No. 2 Yellow, 55¾c; No. 4 Yellow, 55c; No. 1 mixed corn, 55c; No. 2 mixed, 55c; No. 3 mixed, 55c; No. 4 mixed, 54½c.

No. 2 White oats, 38½c to 39c; No. 3 White, 38c; No. 4 White, 36 to 37c; No. 2 mixed oats, 37 to 37½c; No. 3 mixed, 34 to 36c; No. 2 Red oats, 37 to 37½c; No. 3 Red, 34 to 36c; No. 4 Red, 32 to 34c.

No. 2 White kafir, $1.22 a hundredweight; No. 3 White, $1.21; No. 4 White, $1.20; No. 2 milo, $1.35; No. 3 milo, $1.34 to $1.38; No. 4 milo, $1.30 to $1.34.

No. 2 rye, 96c; No. 3 barley, 56c; No. 4 barley, 55c a bushel.

Hay and Millfeeds

The hay market is reported as steady with fair demand. The following prices are quoted at Kansas City:

Choice dairy alfalfa hay, $25 to $28 a ton; No. 1 alfalfa, $22 to $23; standard alfalfa, $18.50 to $21.50; No. 1 alfalfa, $22 to $23; No. 2 alfalfa, $15 to $18; No. 3 alfalfa, $12 to $14.50; No. 1 prairie hay, $11.50 to $13.50; No. 2 prairie, $9.50 to $11; No. 3 prairie, $6.50 to $9; packing hay, $5.50 to $6; No. 1 timothy hay $18.50 to $19.50; standard timothy, $17.50 to $18; No. 2

timothy, $15 to $17; No. 3 timothy, $12 to $14.50; light mixed clover hay, $18 to $19; No. 1 clover, $16.50 to $17.50; No. 2 clover, $12 to $15; straw, $8.50 a ton.

The following prices on millfeeds are quoted at Kansas City:

Bran, $23 a ton; brown shorts, $24.50 to $25; gray shorts, $25.50 to $26.50; linseed meal, $55 to $60; cottonseed meal and nut cake, $54; cold pressed cottonseed cake, $46; tankage, $65; No. 1 alfalfa meal, $18 to $21; No. 2 alfalfa meal, $16 to $16.50; brown alfalfa meal, $14 to $15; No. 1 alfalfa molasses feed, $21; No. 2 molasses alfalfa feed, $20.

Crop Prices Trend Upward

(Continued from Page 24)

spring work is nearly a month late. Oats which were sown early are making a good growth but very few farmers got into the fields early and later it was too wet so only a small acreage was seeded. Trees are in full bloom but a severe frost and freeze injured the prospects greatly. We have been having very unfavorable weather for pigs and they are scarce and high in price. Hogs are worth $8.75; eggs, 17c; hens, 18c and corn is 40c; cream, 30c; wheat, $1.10.—A. M. McCord, April 30.

Osage—We have just received a 3-inch rain and the ground can't be worked for 10 days. Very few crops have been put in as it has been too wet. Wheat on upland stands at about 100 per cent but a little on lowlands was killed by flood. Cattle, generally, are on pasture. A number of pastures will be filled by stock shipped in from Texas. Poultry crop is larger than usual and there is very little disease. Fruit crop is uninjured so far. Farmers are making fences, repairing fences, buildings and machinery. Cream is worth 33c and eggs are 23c and 18c.—H. L. Ferris, April 29.

Reno—Our wet spell is over and corn planting is half completed. Alfalfa will soon be ready to cut. Wheat looks a little better since the wet weather started. Grass is growing nicely. Everything looks as if summer had come. Some potatoes are up and there are some to be planted. Trees are leafing out.—D. Engelhart, April 29.

Riley—Farm work has been delayed by wet weather. Most of the ground is ready for corn planting however but very little has been planted yet. Planting oats is completed. Alfalfa and pastures are doing well. Wheat gets more encouraging every day and will make about 60 per cent of a stand as compared with last year. There is a large number of brood sows but the litters are small. Wheat is worth $1.20; butter, 25c and eggs are 20c.—P. O. Hawkinson, April 29.

Sedgwick—We are having dry, pleasant weather and most crops are encouraging. We had a frost April 18 which damaged the fruit slightly in some localities. We have had plenty of rain but the damage from overflow is small. Wheat looks satisfactory, however, some is developing a rank growth. Property at sales is bringing better prices and business conditions seem to be improving. Prospects for crops are favorable.—F. E. Wickham, April 29.

Woodson—We are having excellent weather. Potatoes and oats have not been put in yet. It is still muddy in some fields but a few farmers are plowing anyway. We had a heavy hail storm April 16 which did a considerable amount of damage to windows and fruit and killed many of our birds. Wheat and alfalfa are excellent. Cattle are on pasture and are in good condition. Farm work is farther behind than usual.—E. F. Opperman, April 29.

Wichita—We have been having warmer weather recently but we had a snow April 16. The ground now is in good condition for farming. Farmers have almost completed drilling barley. Corn planting will begin soon. A considerable amount of prairie is being broken up. Wheat looks fair, however, some is being sown to barley. All kinds of livestock are in excellent condition. Good hogs sell for about $9.25 and $9.30 a hundred.—E. W. White, April 30.

Washington—A few farmers planted corn during last week. The weather was very warm the latter of last week but the first part of the week we had a very hard freeze and some of the early fruit was hurt. Pastures are growing and cattle soon will be turned on them. Eggs are worth 20c; cattle from $6 to $10 and cream is 28c.—Ralph B. Cole, April 29.

Field Notes

BY J. W. JOHNSON

T. G. McKinley's Red Polled Herd

T. G. McKinley of the Springdale herd of Red Polls has just sold to Jackson & Sanburn of Maple Hill a very promising yearling Red Poll bull weighing 1000 lbs. that has the breeding and individuality to head such a herd as these gentlemen are building up by a careful selection of matrons from the most prominent herd of the U. S. Mr. McKinley accepts this sale as a high compliment in placing one of his Red Polls in this herd and Mr. Jackson considers it fortunate in securing this young fellow of merit to head his foundation herd.—Advertisement.

Central Kansas Holstein Breeders' Sale

The Central Kansas Holstein breeders' sale to be held at Lindsborg, Kan., May 18, will be one of the important Holstein sales held in Kansas this year. The 70 head of Holsteins that will go in this sale have been consigned by the Holstein breeders of Central Kansas and come from the best herds in the state. There will be 30 head of registered Holstein cattle, many of them from 30 pound bulls. Forty head of high grade cows and heifers, many of them fresh and others to freshen this fall. They are all bred to registered purebred bulls. Look up the advertisement of this sale in this issue and note the attractions that are offered. Send at once for catalog.—Advertisement.

Cochran & Sons' Hereford Sale

150 bulls, 115 Herefords and 35 Shorthorns, two and three-year-old bulls from the C. G. Cochran & Sons ranch at Hays, Kan., is advertised in this issue in a big auction at the stock yards, Denver, Colo., next Thursday, May 11. These are big, rugged, heavy boned bulls sired by the Cochran herd bulls that are well known because of the excellent individuals that they are and because of the fashionable bloodlines they carry. The dams are all splendid cows that have been raised on the Cochran ranch and they are an excellent lot of cows with the best of breeding and individual merit. The sale will be conducted to best suit the

Central Kansas Holstein Breeders Sale

Lindsborg, Kansas, Thursday, May 18

70 Head of Cattle

30 head of registered Holstein cattle, many of them from 30 pound bulls.

40 choice high grade cattle, many of them fresh, others to freshen this fall, bred to registered purebred bulls.

A Few of the Attractions:

1—2-year-old heifer, Colantha Aaggie Changeling, that was selected for the National Sale at Kansas City but withdrawn for this sale. Her dam made 25.32 pounds butter, 535.1 pounds milk in 7 days as a senior 3-year-old.

2—Beauty Hilldale Pontiac, a handsome young heifer whose dam made the second highest long distance record of any cow in Kansas.

3—Reka Segis Harvest Johanna, 2-year-old heifer whose dam gave over 2600 pounds of milk in a week and over 100 pounds in a day.

4—Pearl Fayne Pontiac, a 19 pound 3-year-old whose dam came from the well known Stubbs herd and made over 31 pounds butter in 7 days.

Daughters of King Pontiac Mayflower.
Daughters of Colantha Sir Aaggie.
Daughters of King Pontiac Fayne.
10 granddaughters of King of the Pontiacs.

The grade cows, many of them, are Wisconsin bred and heavy producing cows.

Every animal tuberculin tested within 15 days of date of sale and sold with a positive guarantee to be free from tuberculosis and the retest privilege of 60-90 days.

This will be a great sale, an unusual opportunity to buy some of the best of the breed. Registry papers delivered to purchasers at the clerk's desk when settlement is made. Mark the date down on your calendar and write today for catalog, both of purebreds and of grades, to

W. H. Mott, Sales Mgr., Herington, Kan.

HORSES AND JACK STOCK

35 Head of Registered Jacks
as good as grows, by Grand Champions at Southern State shows, 2 to 7 yrs. old, 15 to 16 hands high, 9 to 10 inch bone used in our stables last season, can show colts. Few Belgian and Percheron Stallions. This stock must be sold in next 60 days. We have what we advertise. Can ship over Santa Fe, Mo. Pac. and Frisco.
J. P. MALONE, LYONS, KANSAS
M. H. MALONE, CHASE, KANSAS

35 Mammoth Jacks
Big heavy bone, black jacks, 15 and 16½ hands, weight up to 1200 pounds, 3 to 5 years old. Guaranteed. We have colts to show you. High class Percheron mares and fillies and young stallions.
Al E. Smith, Lawrence, Kan.



6 Percheron, Ton Breeding Stallions
7 reg. jacks (own raising). Colts and mules to show, very choice stock with size and weight, desirable ages, dark colors.
GEO. SCHWAB, CLAY CENTER, NEB.

GREAT SHOW AND BREEDING JACKS
Priced right. Hineman's Jack Farm, Dighton, Kan.

MAMMOTH JACK FOR SALE
Fourteen and one-half hands tall, nine years old, good individual, fine disposition.
H. W. Donnell, Box 647, Pratt, Kansas

4 REGISTERED PERCHERON STALLIONS
for sale, 2 to 5 years old.
C. E. Whittlesey, Mound Valley, Kansas

JERSEY CATTLE

Echo Farm Jerseys
Federal accredited herd. A son of Mory from Sibby's Choice 835 fat A. A. heads our herd. Some choice bulls for sale, serviceable ages, out of R. M. cows.
E. H. TAYLOR & SON, KEATS, KANSAS

HILLCROFT FARMS JERSEYS
Imported and Register of Merit Jerseys. Choice bull calves for sale. Also registered Durocs.
M. L. GOLLADAY, PROP., HOLDEN, MO.

High Class Registered Jersey Cows
Exceptional values, young cows 2 to 8 yrs. Some have large register of merit records. Others on test now. Many state Fair winners. Also some good young bulls 3 to 18 mos. old. Inspection invited.
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Scantlin Jersey Farm, Savonburg, Ks.
Financial Kings, Raleigh and Noble of Oakland breeding.

BULLS OUT OF REGISTER OF MERIT
dams, for sale. Herd Federal accredited.
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Has a membership of 500 breeders who own over 7,000 purebred Holsteins.
June 8-9-10—National Association Sale, Convention Hall, Kansas City, Mo.
Walter Smith, Pres., Topeka. W. H. Mott, Sec'y-Treas., Herington, Kan.
This section is reserved for members of this association. For rates and other information address, Capper Farm Press, Topeka, Kansas.

WAKARUSA FARM HOLSTEINS
Nicely marked registered Holstein bull calves, some from A. R. O. dams. Price $35 to $50. Also three bulls ready for service. Write for description and photo. Reynolds & Sons, Box 52, Lawrence, Kan.

Corydale Farm Herd Holsteins
Bulls old enough for service, from A. R. O. dams at hard time prices. Write for information.
L. F. CORY & SON, BELLEVILLE, KAN

BULLS SIRED
by Sir Leidy Glista, his dam 3 times 32 lb. dam and from good dams.
J. P. MAST, SCRANTON, KANSAS

FOR SALE VERY REASONABLE
12 cows, 5 two yr. old heifers, 4 yearling heifers. 4 heifer calves 1 to 6 months old. Herd bull, nearest two dams milk 23,000 lbs. Butter 1040 lbs. Other bulls ready for service. R. E. STUEWE, Alma, Kan.

BRAEBURN HOLSTEINS
Service bulls are 'out.' If you want to save money, buy a calf that won't cost much to move, and raise him yourself. From six months down.
H. B. COWLES, 608 Kansas Ave., TOPEKA, KAN.

30 POUND HERD BULL
For sale. Dam 30.52 lb. seven days. State record when made. Sire's dam 31.16 lbs., weighs over 2,000 lbs. 4 yrs. old, one-half white. Price $150.00.
V. E. CARLSON, FORMOSO, KANSAS.

SOME CHOICE BRED HEIFERS
Bred to our junior sire, a son of King Segis Pontiac Count. Bull calves from this sire at attractive prices. Ask for photos and breeding.
W. H. MOTT, HERINGTON, KANSAS

BULLS ALL SOLD
Nothing to offer at present, but watch this space. We're still in business at the same old place.
T. M. EWING, INDEPENDENCE, KANSAS

YOUNG BULL
nearly ready for service by a 30 pound sire and out of a 20 pound two year old dam. A bargain if you write soon for photo and price.
W. E. ZOLL, RT. 6, LEAVENWORTH, KANSAS

KING PONTIAC MUTUAL SEGIS
Bulls, calves to long yearlings. Priced right. Raised everything offered for sale. Tuberculin tested herd. Herd sire, King Pontiac Putual Segis by the great King Segis Pontiac. Cleland & Williams, Hiattville, Kan.

SONS AND GRANDSONS
of Vanderkamp Segis Pontiac for sale. Vanderkamp Segis Pontiac is Kansas' leading sire of production. Buy bulls priced right from an accredited herd.
COLLINS FARM COMPANY, SABETHA, KAN.

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If he breeds Holsteins he needs the association's help. See to it he joins. Send his name and check for $5 to
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First Annual Consignment Sale
REG. AND GRADE GUERNSEYS
Manitowoc and Calumet County Guernsey Breeders' Associations, at Manitowoc, Wis. Purebred males and females sold May 17th. Grade cows and purebred males May 18th. For catalog address
F. E. FOX, WAUKESHA, WISCONSIN

50 Registered Guernseys
19th annual sale Waukesha County Guernsey Breeders' Association. A. R. cows and heifers of choice breeding, a few bulls. Send for catalog.
F. E. FOX, Sec'y, WAUKESHA, WISCONSIN

RANSOM FARM GUERNSEYS
Bulls—Calves to serviceable age by 1919 world's grand champion out of record breaking dams.
Ransom Farm, Homewood, Kansas

WHY USE A SCRUB when you can buy a purebred registered bull at farmer's prices? Young bull calves as low as $50. C. F. Holmes, Overland Guernsey Farm, Overland Park, Kan.

AYRSHIRE CATTLE

Ayrshire Cows, Heifers, Bulls
Young cows in calf or with calf at foot, yearling heifers, bulls of serviceable age, calves both sex. High producing families. Tuberculin tested.
R. W. CUMMINS, PRESCOTT, KANSAS

HOLSTEIN CATTLE

Columbine Segis Ormsby Fobes
Born Aug. 7, 1921. Almost white; sire, the grand-champion, Sir Pietertje Ormsby Fobes. Dam, Columbine Segis Pontiac, butter at 2 yr. 1 mo. 15.31 lbs., butter, 365 days, 519.16 lbs. Price $125. Chas. C. Wilson, Mgr., Turkey Creek Farm, Colorado Spgs, Colo.

BONACCORD HOLSTEINS
T. B. tested? Yes, and we have just passed another clean T. B. test. But there are a few more of us than there is room for. Federal accredited herd. For good serviceable bulls, cows or heifers, with size, health, conformation and production, write to our boss,
Louis Koenig, Solomon, Kansas

FOR SALE Registered Holstein bull, cow and heifer cheap. RAY WARNOCK, BISON, KANSAS.

EXCELLENT REG. HOLSTEIN BULL
Nearly year old. Sire's five nearest dams average 1096 butter. Dam's sire's four near dams average 1038 butter. Price $100. Also bred heifers.
O. S. Andrews, Greeley, Kansas

HOLSTEINS, BEAUTIFUL, HIGH GRADES
2 months old, $25 express prepaid. Buy direct.
Co-operative Calf Sales Ass'n, So. St. Paul, Minn.

HOLSTEIN & GUERNSEY CALVES, 7 weeks old, 31-32nds pure, $25 ea. shipped C.O.D. Reg. Holstein bull calves $45. Edgewood Farms, Whitewater, Wis.

BERKSHIRE HOGS

WEANLING BERKSHIRE PIGS FOR SALE
Well grown, cholera immune, registered; out of large correct type, easy feeding quality sows. Price $20. L. M. Knauss, Garnett, Kan.

When writing advertisers mention this paper

Atchison County Shorthorns

Hand picked selections from 10 Federal accredited herds make up this offering. Nearly half are pure Scotch pedigrees and the rest very desirable Scotch tops. Sale at the K. G. Gigstad farm, one mile north

Lancaster, Kan., Thursday, May 18

41 Head—33 Females, 8 Bulls

22 are cows that have calves at foot or that will calve soon. 11 are very desirable open heifers. 8 nice young bulls of serviceable ages.

The Consignors:

K. G. Gigstad & Sons, Lancaster
C. A. Scholz, Lancaster
Howard North & Sons, Lancaster
Ashcraft Bros., Atchison
John Kuehnhoff, Lancaster
H. C. Graner, Atchison
Ed Hogland, Lancaster
Louthian Bros., Huron
John Fuheman, Lancaster
Scholz Bros., Huron

For the sale catalog which is now ready to mail address,

Harry Gigstad, Lancaster, Kansas, or A. W. Scholz, Huron, Kansas, Sale Managers

Auctioneers: Jas. T. McCulloch, Geo. W. Berry. J. W. Johnson, Fieldman, Mail and Breeze.

HEREFORD CATTLE

150 Bulls

Two and three-year-old bulls, 115 **Herefords, 35 Shorthorns, at Stock Yards, next Thursday,**

Denver, Colo. May 11

Raised on our **Western Kansas** ranch and sure to do well under western ranch and farm conditions.

Sired by the **Cochran herd bulls.**

150 big, rugged, heavy boned bulls you should see if you want the right kind.

The sale is next Thursday, at the stock yards, **Denver, Colo.**

C. G. Cochran & Sons
Breeders
Hays, Kansas

Western Kansas Bulls

100 Hereford bulls, yearlings and two years old.

50 Shorthorn bulls, same ages. Part of them at Fort Collins, Colo., and the rest at the home ranch Hays, Kan. Write at once for descriptions and prices.

C. G. COCHRAN & SONS, HAYS, KAN.

For Sale At My Ranch

in Beaver county, Oklahoma, twenty miles southeast of Liberal, Kansas, 70 head of clean white face steers in splendid condition; 27 yearlings, 22 two-year-olds and 21 three-year-olds, all to sell together. Price $30, $40 and $50.

H. N. LAWSON, BEAVER, OKLAHOMA

POLLED HEREFORD CATTLE

Double Standard Polled Herefords

Get your next bull from a prominent herd where prices are right and satisfaction guaranteed. Let us describe a bull for you.

GOERNANDT BROS., AURORA, KAN.

When writing advertisers mention this paper

SHORTHORN CATTLE.

Lavender Emblem 608846

Our 2400 pound herd bull is for sale. Sired by Diamond Emblem. He is white and was shown twice at Topeka, winning second each time and won third at American Royal 1920. He is five years old. We are keeping his heifers.

T. J. SANDS & SONS, ROBINSON, KAN.

Shorthorn Bulls

delivered by truck any reasonable distance —50 mile limit. Reds, whites and roans.

C. W. Taylor, Abilene, Kan., Dickinson Co.

Four Real Shorthorn Bulls

thirteen months old, two roans, two whites by Missie's Standard, 2100 lb. bull by Missie's Last. Priced to sell.

J. P. SPRINGER, GARRISON, KANSAS

SHORTHORN BULLS

Ready for service. Best of breeding. Can spare a few females. Come, 'phone or write. Prices right.

W. P. HAMILTON, BELLE PLAINE, KAN.

A REAL HERD BULL PROSPECT

Roan, sired by Gloster Cumberland 399387 by Cumberland's Best by Cumberland's Last, dam by Dale's Challenger by Double Dale. Other good ones too.

L. E. Wooderson, Route 6, Caldwell, Kansas

SCOTCH AND SCOTCH TOPPED BULLS

Calves to serviceable age including herd sire can't use longer for sale or exchange.

Ross B. Summers, Redfield, Kansas

POLLED SHORTHORN CATTLE

Roan Polled Shorthorn, 15 Mos. Old

Good individual. **Grover Easter, Abilene, Kan.**

POLLED SHORTHORNS

Both bulls and females for sale at prices according to times. **C. M. HOWARD & SONS, HAMMOND, KAN.**

GLENROSE LAD 506412

the best dairy Shorthorn bull in the west. We can't use him longer. For description and price address

R. M. Anderson, Beloit, Kansas.

RED POLLED CATTLE

Fort Larned Ranch

12 coming two Red Polled Bulls which must be sold immediately. Write for prices.

E. E. FRIZELL & SONS, Frizell, Kan.

Choice Red Polled Bulls and Females

All ages. From our accredited herd. Shipped on approval. **Schwab & Son, Clay Center, Neb.**

Pleasant View Stock Farm

Registered Red Polled cattle. For sale, a few choice young bulls, cows and heifers

Halloran & Gambrill, Ottawa, Kansas

FOSTER'S RED POLLED CATTLE

A few choice young bulls.

C. E. Foster, Route 4, Eldorado, Kan.

RED POLLS. Choice young bulls and heifers. Write for prices and descriptions.

Chas. Morrison & Son, Phillipsburg, Kan.

RED POLL BULLS, calves to yearlings, by Fulbert, a real sire out of prize winning dams. **C. O. Wilson, Rantoul, Kansas.**

buyers. Those who are looking for herd bulls will have the opportunity to buy them and those who want to buy car loads will nave the opportunity. You will find sale catalogs at the sale pavilion at the stock yards, Denver, Colo., next Thursday and the sale will start very likely about 10 o'clock a. m. Be sure to be there if you want Herefords or Shorthorn bulls, two and three years old and ready for heavy service. All are registered and in fine condition.—Advertisement.

Northwest Kansas Shorthorn Sale

Northwest Kansas Shorthorns in the big association sale at Concordia, Kan., next Wednesday, May 10, are choice selections from 21 herds of the big Northwest Shorthorn Breeders' association. Fifty head, 25 females and 25 bulls, afford a real chance to buy either your herd bull or a few females at your own price. E. A. Cory, sale manager, has made a diligent search for the kind that should go in these association sales. The sale will be held in the usual place and the banquet is the evening before and prominent speakers are to be on hand. You are invited if you are interested at all in Shorthorns to come and bring your wife to the banquet and stay over for the sale the next day. Remember the sale is next Wednesday.—Advertisement.

E. A. Campbell's Shorthorns

E. A. Campbell, Wayne, Kan., a well known Shorthorn breeder and consignor to the Concordia, Kan., sale each spring, is consigning to the May 10 sale a bull, a beautiful red, sired by his herd bull, Lord Albion, and out of a Cherry Blossom cow that is a granddaughter to the great cow that sold in Park E. Salter's sale for $3,500. This is a real herd bull and worthy the inspection of anyone looking for a real bull to use in a good herd. Mr. Campbell is a reliable breeder and exhibitor of Shorthorns and his herd at Wayne is one of the real herds of north central Kansas. The Northwest Kansas Shorthorn Breeders' association sale is at Concordia, Kan., May 10. Come to the banquet the evening before. Mr. Campbell and the 20 other breeders that are consignors to the sale invite you.—Advertisement.

The Columbine Holstein Herd

The Columbine herd of Holsteins on Spencer Penrose's Turkey Creek Farm near Colorado Springs, Colo., has at the present time a surplus of young bulls, some of them of serviceable ages. This splendid herd is under federal supervision and of course healthy. It is hardly necessary to tell Holstein breeders about the senior herd bull, Sir Pietertje Ormsby Fobes. The junior herd bull, Columbine Piebe Changeling, is in use in the herd and the two sires mentioned, mated with the great cows in the herd should convince anyone that it would be a mighty good place to buy a bull. They have now on semi-official test about 20 cows, all making splendid records, four of them milking around 100 pounds of milk per day and one of them over that amount. It can readily be seen that they must sell their young bulls and at attractive prices because they can't keep them and they would rather move them at fair prices than keep them longer. If you would like to buy a real bull prospect let Charley Wilson, the manager of the herd and an old Kansas Agricultural College boy, tell you about them. They are real bargains.—Advertisement.

Bonaccord Holsteins

The Bonaccord herd of registered Holsteins, federal accredited, is one of the good herds of the Kansas association. Louis Koenig, Solomon, Kan., is its owner and founder and built the herd to its present perfection. The herd has just passed another clean tuberculosis test and is on the federal accredited list. Mr. Koenig offers some real herd bulls, cows and heifers because he feels the necessity of reducing his herd somewhat. Such opportunities as this should be of interest to anyone that knows the value of buying from herds of this character. The herd stands approved as an A. R. O. herd of real merit. All of the cows of mature ages have A. R. O. records from 21 pounds to 25½ of butter in seven days and good long distance records as well. The senior herd sire, a splendid individual weighing in normal condition 2500 pounds, is the sire of a fine string of heifers in the herd and all of his daughters that have freshened in the herd have A. R. O. records. The average age for these daughters is two years and two months and the average of butter per week is over 13 pounds. The senior herd sire (they offer some fine young bulls by him) is one of the well bred bulls of the country and the junior herd sire is one of great merit in both breeding and as an individual. Production is second to none in the Koenig herd and in the last years long time test he won a part of the association money on every cow entered. This is a great record for any herd. If you want a bull or a cow or some heifers write to Louis Koenig, Solomon, Kan.—Advertisement.

T. A. Ballantyne Shorthorn Sale.

The T. A. Ballantyne Shorthorn dispersion at the farm near Herington, Kan., Tuesday, May 16 should appeal to you Mr. Shorthorn breeder or beginner as the place to buy Shorthorns. To start with it is one of the old, well established herds that was founded 30 years ago by D. Ballantyne, a fine old Scotchman that every Shorthorn breeder in Kansas knows and loves. He and his sons have owned the Abbotsford herd of Shorthorns all of these years. A few years ago his son, T. A. Ballantyne (Tom) bought out his father and since that time has owned the herd and it is one of the strong, substantial herds of the country. That it is to be dispersed is regretted by those who know how well Mr. Ballantyne was advancing the herd. 41 head are cataloged in the complete dispersal, 21 cows, either with calves at foot or to calve soon. 11 yearling heifers with four two year olds. Eight young bulls that are splendid prospects. The herd bull, Roan Model, a bull that is intensely Cruickshank breeding and whose get are noticeable because of the Cruickshank type, is cataloged and is surely an attraction. The splendid individuals he has sired would recommend him readily to any breeder looking for a splendid Scotch sire of proven ability to sire the kind that this great bull has sired. Remember it is a complete dispersal and that the sale is May 16 at the farm near Herington. The sale catalogs are now ready to mail and you should send your name to T. A. Ballantyne, owner, Herington, Kan., at once for your copy.—Advertisement.

The Atchison County Shorthorn Sale

In this issue you will find the advertisement of the Atchison county Shorthorn breeders sale at the K. G. Gigstad farm one mile north of Lancaster, Kan., Thursday, May 18. There are 41 head cataloged, 33 females and eight bulls, all selections from 10 Atchison county herds. Best Scotch breeding predominates. There are around 30 herds of Shorthorns in Atchison county and ten consign to this sale. Ashcraft Bros., pioneer breeders of Atchison county, are consignors and are consigning good cattle. H. C. Graner, near Atchison but formerly of near Lancaster, is one of the liberal consignors of pure Scotch cattle. Scholz Bros. of Huron, who own the imported bull, Rosewood Stamp, one of the great bulls of the state, and C. A. Scholz, Lancaster, owner of another imported bull of great merit, are consignors. K. G. Gigstad, Lancaster, dean of Shorthorns in Atchison county and who has probably done more to attract attention to Atchison county as a Shorthorn center, and at whose farm the sale will be held, is a leading consignor. Ed Hoagland, who has taken a keen interest in good Shorthorns and who owns a fine little herd, is another consignor. Several others in the vicinity of Lancaster are selecting real cattle for the sale. Important is the fact that with the exception of one or two herds the entire offering is from federal accredited herds. Others are under federal supervision. Harry Gigstad, Lancaster, Kan., and A. W. Scholz, Huron, Kan., are the sale managers. Write to either for the sale catalog. Mention the Mail and Breeze when you write.—Advertisement.

R. J. Bazant's Spotted Polands.

R. J. Bazant, Narka, Kan., Republic county, breeder of Spotted Poland Chinas starts his advertisement again in this issue. He offers for sale 100 last October gilts, bred or open. These gilts are as good as you ever saw. In fact I doubt if you ever saw 100 such gilts, all the product of one breeder. They are by the Bazant herd boars, three great boars, one a selection from the well known Henry Field herd at Shenandoah, Ia. Another from the great herd of Fred Obenchain, Bainbridge, Ind. Still another from another good Indiana herd and three boars that will challenge any three herd boars of this now very popular breed, in the west at least. These 100 gilts, many of them are now bred and others to be bred soon. They are offered to you now, either those that are bred or those that are still open. If you want them bred to any certain boar on his farm he will breed them and hold them until they are safe. They were all given double treatment against cholera last fall and are safe in that respect. Mr. Bazant does not hold public sales but prefers to deal direct with his customers by making private sales to each party. He has sold hundreds of Spotted Poland Chinas in this way and has not a single dissatisfied customer, if he had he would satisfy him at once. In his advertisement in this issue he also offers 265 spring pigs, in pairs or trios not related. They will be vaccinated with serum only and shipped in light crates in any number you want. The prices on both the bred and open gilts and the spring pigs single or in larger numbers will be found very low considering what they have sold at. But Bazant is making plenty of money raising registered Spotted Poland Chinas and with his big modern hog barn he raises a big per cent of the pigs farrowed, something over eight to the litter, this spring. He will register free any of the bred gilts if you write at once. They will be registered in the Spotted Poland China herd book. The spring pigs are eligible in the same book and if you take a number of them you might induce him to register them also.—Advertisement.

BY J. T. HUNTER

The H. W. Estes, Sitka, Kan., Shorthorn sale has been postponed from April 27 to May 25. Bad weather compelled this. Next week's Mail and Breeze will carry revised advertisement. Meanwhile send for catalog. Mention Mail and Breeze.—Advertisement.

When It Comes to Red Poll Bulls

C. O. Wilson, Rantoul, Kan., has some high class Red Poll bulls, calves to yearlings, by Fulbert, a real sire, that are out of Mr. Wilson's show herd dams. These bulls are good ones that will make the right kind of herd headers. Write him today. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

Howard's Polled Shorthorns

One of Kansas' oldest and well established Polled Shorthorn herds is that of C. M. Howard & Sons, Hammond, Kan. Among the 100 or more breeding cattle the Howards have selected a considerable number of good coming yearling bulls as well as a number of past yearling bulls by Forest

POLAND CHINA HOGS

Deming Ranch POLANDS

Two-year-old sows bred to Latchnite for April farrow. Choice September, October and November pigs, either sex. A few Latchnite litters among October and November pigs. If you want a Latchnite pig get your order in early.

H. O. Sheldon, Supt. Swine Dept., Oswego, Kan.

FALL FARROW POLAND BOARS

By three good herd sires: Ringmaster by Tom Half Ton, King Checkers by Checkers, Gerstdale Orange by Smooth Orange. Good ones priced to sell. Come and see them or write us

F. E. WITTUM, CALDWELL, KANSAS

12 Poland Boars

Boars with grand champion blood priced bed rock. Ready for service. Write quick.

J. J. HARTMAN & SON, ELMO, KANSAS
Dickinson County

Reg. Poland Show Hogs

for sale. Grand champion stuff. Fall pigs, both sex, wt. 200, $30. Weanling pigs, not related, $15. **F. M. Simon, Colwich, Kansas.**

Good Stretchy Fall Boars

The best blood lines. Reasonable.

Edmund R. Beavers, Junction City, Kansas

GOOD, GROWTHY POLAND CHINA BOARS by Valley Jumbo of fall farrowing, from big litters. Price $20 and $25, satisfaction guaranteed. **E. M. Wayde, Burlington, Kansas.**

BECKER'S POLANDS FOR SALE. Breeding boars ready for service at $30.00. Pedigrees furnished. **J. H. Becker, Newton, Kan.**

STATE AGRICULTURAL COLLEGE MAY 6 1922

Sultan out of Scotch and Scotch topped dams. They also offer a few female calves, heifers, and cows much the same breeding. This is especially well bred Polled Shorthorn cattle and prospective buyers will make no mistake in corresponding with this firm. When writing please mention Kansas Farmer and Mail and Breeze.—Advertisement.

One of the Few Duroc Sales

High mortality has worked havoc with the spring pig crop. This prevails everywhere where hogs are raised. A variety of causes are credited for this situation. Excessively cold and damp weather seems to be the contributing factor mostly blamed. Farmers disappointed with their pig crop will do well to buy sows with pigs at side or to farrow late spring or early summer and thereby insure their having sufficient hogs on the farm. A sale offering such opportunity to get bred sows or sows with pigs at side is on May 20 by W. F. Chipp & Son, Richmond, Kan., when they sell 23 Durocs at auction including 16 bred sows and gilts and six sows with pigs at side. Read their advertisement in this issue of Kansas Farmer and Mail and Breeze. Write for catalog, mentioning Kansas Farmer and Mail and Breeze. Send mail bids to J. T. Hunter.—Advertisement.

Danner's Durocs

One of Kansas' most reliable Duroc breeders is T. F. Danner, Winfield, Kan. He makes little noise about his herd but investigation of pedigrees and show ring records of the best Kansas Durocs produced within the last five years will prove beyond question that T. F. Danner has had something to do with producing or raising a large number of the best breeding Durocs as well as a large number of state fair prize winners. If you need a good fall boar Mr. Danner has the kind you will like. He offers at this time a number sired by Major's Great Sensation, 1921 Kansas junior champion. They are priced reasonably. Major's Great Sensation is growing right along and will make some one sweat at the coming fairs this fall. Get your new herd sire from Mr. Danner. Write today, mentioning Kansas Farmer and Mail and Breeze.—Advertisement.

Wittum's Fall Poland Boars

F. E. Wittum, Caldwell, Kan., lives across the line in Oklahoma. He has a good bottom farm admirably fitted for producing both hogs and their feed. Starting with a few good purebred Polands a few years ago Mr. Wittum has steadily and conservatively grown a herd of Polands that will please the eye of any one who wishes to look at good hogs. Sires now at the head of the herd are: Ringmaster by Tom Half Ton by Morton's Giant, King Checkers by Checkers, Gerstdale Orange by Smooth Orange, and Wittum's King Kole by King Kole. Fall farrow boars by the first three named sires are offered for sale. They are nice ones and priced to sell. You will be able to get good individuals as well as well bred individuals when you buy from this herd. Call at the Wittum farm or write him in regard to buying one of these boars for a herd header. When writing please mention Kansas Farmer and Mail and Breeze. Mr. Wittum will hold a fall sale September 5.—Advertisement.

Show Boars at Larimores

J. F. Larimore & Sons, Grenola, Kan., Duroc breeders have as one of their herd sires, Major Sensation's Col. by Major Sensation, 1919 world's junior champion. They are offering for sale a number of fall boars sired by this boar. These fellows are outstanding and should make strong contenders at the coming state shows. Exhibitors at state fairs are limited to but two entries in a class. Larimores think that they have selected the two best fall boars by this sire and plan to grow them out for the coming fall shows but they are not yet certain that they have made the best selections. Here is your opportunity to buy show boars. Additional to these boars are some by a litter brother, Major's Col. Sensation, out of some of the very best dams in the Larimore herd. The Larimore herd stands among the very best Duroc herds in the Southwest. Whether you want a show boar or a breeding boar you will find it in their herd. See their advertisement in this issue. Write mentioning Kansas Farmer and Mail and Breeze.—Advertisement.

Cummins' Ayrshire Offering

Ayrshires are increasing in popularity among dairy men. Parties desiring Ayrshires may find just what they want in the herd of R. W. Cummins, Prescott, Kan. He starts his card this issue advertising 17 young cows in calf or with calf at foot, seven yearling heifers, four heifer calves, 10 bulls from calves to serviceable age. The sire of the younger animals is a Kate's Iowa Gift by Imp. Kate's Good Gift out of Rose of Kathesletta. Most of the cows are by Robert's Cavalier by Bargenock Gay Cavalier that sired 1917 world's grand champion as well as 1918 champion get of sire. Some heifers are by Value's Pride of Oak Valley, winner at Minnesota, Missouri and Waterloo shows. Some are out of Imp. Kelhous Eddy 6th and some are out of Imp. Southwick Heathflower 6th, granddaughter of the champion cow of the breed. This is a good healthy tuberculin tested herd from which you can buy at reasonable prices cows, heifers or bulls good enough to go into any herd. When writing Mr. Cummins please mention Kansas Farmer and Mail and Breeze.—Advertisement.

Another Shorthorn Buyers' Opportunity.

Have you sent for the catalog of the coming important Shorthorn cattle sale at Wichita, Kan.? This one you especially will want. Address Park Salter, 43 Exchange Bldg., Wichita, Kan., and mention this paper. The catalog tells you about one of the most important consignments of Shorthorn cattle to be sold this season. Founded on the choice blood which for years has gone into the foundation of the Park Place breeding herd, and topped by the use of Imp. Bapton Corporal, many times champion, and Park Place Corporal, a junior champion of 1921, the Park Salter sale offering will not be many times equalled this year. Cows and heifers of the very choicest Scotch foundation, in calf or carrying calves from the service of one or the other of these bulls, will be among the features. Park Place Corporal himself will be shown, and beside him there are other valuable bulls and females sired by Imp. Bapton Corporal. You will want the catalog to show the wonderful wealth of best breeding on which these distinguishing crosses have been made. Be sure to read the advertisement in this issue, send for the catalog and mention this paper.—Advertisement.

Your Money

Will Buy You Big Values in the Park Place Sale of Choice Shorthorns

At Wichita, Kan., May 19

A Big Sale of the Best; Few Like It This Year



Bapton Corporal, Many Times a Champion.

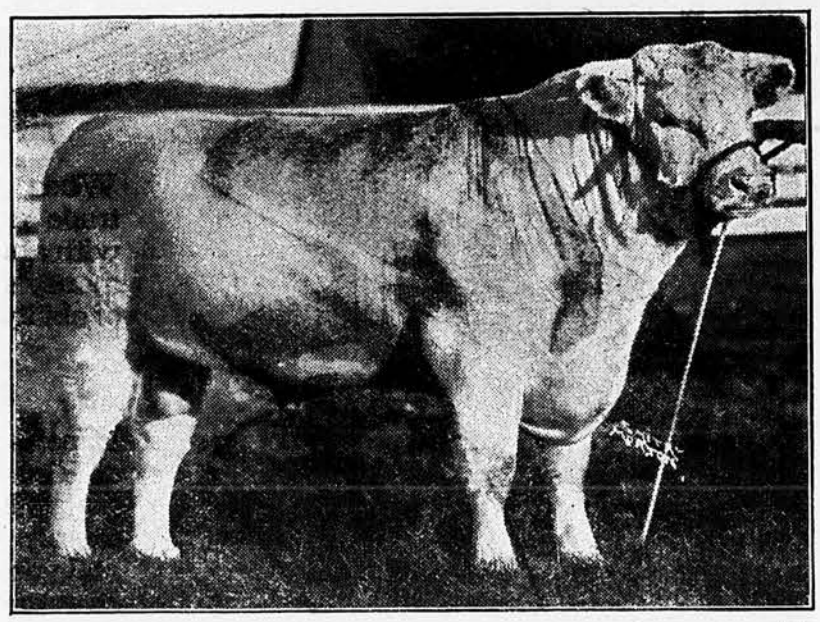
50 Lots: Herd bull material; show bull prospects; cows with calves by famous sires; heifers that will ornament and strengthen show herds, found new herds and tone up established nurseries in keeping with the Shorthorn revival the Southwest is beginning to feel. Have you sent for your copy of the catalog? Please write now.

Imp. Bapton Corporal, Imp. British Emblem, Rosewood Dale 2nd Fair Acres Sultan, Missie's Last and Park Place Corporal

are the bulls whose blood is offered. As the last named is an outstanding star in this offering we present his picture. His pedigree in the catalog will show a concentration of the blood now in demand. Look it up.

This Will Give You a Taste:

Cows with Bapton Corporal calves: Minorca's Pride, a Bruce "Mayflower" by Double Dale, roan c. c.; Aconite 4th, purchased from F. W. Harding, white b. c.; Cherry Blossom 8th by Searchlight Jr., white b. c. **Cows carrying his service:** Gregg Farm Mysie by Gregg's Villager; Violet Cumberland 2d by Fair Acres Gloster; Type's Primrose by Type's Marquis and Maxwalton Clipper 17th by Maxwalton Minstrel. **Others with calves:** Park Place Fancy by Park Place Corporal, red b. c. by Lavender Emblem, one of British Emblem's best breeding sons; Park Place Golden Drop by Rosewood Dale, roan b. c. by same sire; Lady Spartan 2d by Villager's Coronet, roan c. c. by Emblem Jr.; Orange Blossom 3d by Rosewood Radium, roan c. c. by Avon Roseblush, the Oklahoma sire. All but one rebred to Bapton Corporal. **In calf to Park Place Corporal:** Park Place Augusta and Fragrant Spray 2d, both by British Emblem; Park Place Emma by Bapton Corporal; Countess Missie 2d by Missie's Last and Park Place Violet by Bapton Botanist. **Open heifers:** A daughter of 2d Fair Acres Sultan from a Hanna "Secret" dam; Park Place Maud, a white by Bapton Corporal.



Park Place Corporal, Junior Champion Kansas Free Fair, Topeka, 1921.

A federal certificate of health with each animal. 60-day retest. If you need time write us.

Write me for the catalog and mention this paper.

ParkSalter

43 Exchg. Bldg., Wichita, Kan.

Kraschel & Newcom, Auctioneers.
J. T. Hunter, Fieldman.

Ballantyne's Abbotsford Stock Farm

Important Shorthorn Dispersal Sale

45 Head—36 Females, 8 Young Bulls. Sale at Farm Near Town,

Herington, Kansas, Tuesday, May 16, 1922

21 cows, either with calves at foot or that will calve soon. Four two-year-old heifers, every one a show heifer. 11 yearling heifers just as good. Eight young bulls ready for service. The herd bull, **Roan Model,** is a prominent feature of this sale. He has 11 straight crosses of Amos Cruickshank in his pedigree and Cruickshank type prevails in his get to a remarkable degree. A great sire and sure to be a bargain in this auction. All tuberculin tested and sold with retest privileges. Mention the Mail and Breeze when asking for the catalog. Write today for the catalog to

T. A. Ballantyne, Owner, Herington, Kansas

W. H. Mott, Sale Director

Aucts.: Jas. T. McCulloch, Boyd Newcom, Homer Rule. J. W. Johnson, Fieldman, Mail and Breeze.

What's New in Livestock

BY OUR FIELDMEN AND REPORTERS

PERSONS who have thought that the horse business was ruined will do well to note results of a small offering of purebred Belgians offered for sale April 21 by the J. B. Yelton estate at Kincaid, Kan. Four stallions, one of which was 19 and another 11, averaged $242; five draft mares, ranging from 3 to 9 years old, averaged $207; and four young colts averaged $142. The top was $325.

Kansas Free Fair Entries

The following breeders of Chester White hogs have entered pigs for futurity prizes to be awarded at the Kansas Free Fair in Topeka next fall:

Maurice F. Black, Scribner, Neb., C. H. Cole, N. Topeka, Kan., Walter Ferbrache, Hiawatha, Kan., Lloyd Garrison, Glade, Kan., H. C. Krause, Hillsboro, Kan., Earl Lugenbeel, Padonia, Kan., Mosse & Mosse, Leavenworth, Kan., E. M. Richards, Topeka, Kan., E. E. Smiley, Perth, Kan., and Clyde Smith, Scranton, Kan.

Big Free Fair Futurity

Secretary Eastman of the Kansas Free Fair writes that 40 Poland China breeders have named their entries for the 1922 futurity prize. Under the terms of the Kansas Free Fair Poland China futurity, Nebraska breeders also can join in the competition and three or four Nebraska breeders will be in the showing this fall. All the other entries are from Kansas breeders. This big list of entries means that the Poland China futurity at Topeka probably will be the strongest ever held in the state.

The Marshall County Fair

The Marshall County Fair at Blue Rapids, Kan., the last week in August promises one of the best livestock shows of the season. Wm. Acker, Vermillion, Kan., is president and J. N. Wanamaker, Blue Rapids is secretary. The fair grounds, situated at the west edge of Blue Rapids is one of the most beautiful in the state and is well improved and other buildings are planned in time for the big fair in August. The premium list is now being printed by the Blue Rapids Times and will be off the press by the middle of June.

Was an Early Breed Improver

In the recent death of John W. Jones of Minneapolis, Kan., the Duroc Jersey hog business of the state lost one of the very first men to bring into Kansas what is known as "big type" breeding in Durocs. We are not sure but that Mr. Jones was absolutely the first man to bring to this state the breeding of the Ohio herds, which during the last decade have played such an important part in making the Durocs of today larger, stretchier, better grazers and all around more desirable farm animals than the Durocs which were most in favor during the first 20 years of the breed's existence in this country.

Northeast Kansas Shorthorn Sale

In the Northeast Kansas Shorthorn Breeders Association sale at Hiawatha, Kan., April 20 the 36 lots sold for an average of nearly $100. There were 16 young bulls in the sale, good ones that sold for an average of $96. Most of them were Scotch topped with two or three of pure Scotch breeding. This was the regular annual spring sale for this association and a pretty good crowd was out considering that it was ideal weather for farm work and farmers were busy. The cattle sold as well as the consignors expected they would considering the new level of prices.

The cattle will stay in the five or six counties in Northeast Kansas. D. L. Dawdy, Arrington, Kan., the association sale manager had worked hard for the success of the sale and the consignors fully appreciated his efforts. Hiawatha has a good sale pavilion and good railroad facilities and is a good place to hold sales. It was a very satisfactory sale to all concerned.

Kansas Hereford Breeders Sale

The sixth semi-annual sale of the Northern Kansas Hereford Breeders Association was held at Blue Rapids, Kan., April 25. The sale was badly handicapped because of the rain that fell the day before and the morning of the sale. Fifty-two Hereford calves sold and at very satisfactory prices considering the fact that roads were so bad that fully half the breeders and farmers who had intended to be there were unable to come. Eighteen bull calves averaged $78 and 34 heifers averaged $52.

Colonel J. A. Howell, Marietta, Kan., managed the sale and was responsible for it from the time the date was set last fall. He proved that he knows how to conduct a sale in a high class manner and to the satisfaction of the buyers and the sellers alike.

The association annual meeting was held the evening before the sale and the following officers were elected for the ensuing year: J. H. Miller, Woodston, Kan., president; George Miller, Blue Rapids; Tom O'Shea, Blaine; D. A. Beckett, Hiawatha were elected vice presidents; Guy Steele of Barnes was re-elected secretary-treasurer. It was decided to hold another calf sale a year later. Colonel J. A. Howell, Marietta, Kan., was elected sale manager.

Mitchell County Breeders' Meeting

The old Mitchell County Purebred Stock Breeders' Association was brought to life at a banquet and get together meeting at Beloit last week. The following officers were elected: C. E. McKinnie, Beloit, president; Henry Albert, Glen Elder, vice president; S. D. Capper, Beloit, secretary; treasurer, Fred Rufner, Beloit.

A vice president for each breed was elected as follows: Herefords, H. S. Woodard, Glen Elder; Shorthorns, A. Meall, Cawker City; Polled Shorthorns, W. A. Prewett, Asherville; Holsteins, J. B. Heinen, Cawker City; Percherons, Charles Vetter, Beloit; Poland Chinas, Ed. Brunnemer, Jewell; Spotted Poland Chinas, Mrs. Will Myers, Beloit; Duroc Jerseys, Joe Creitz, Beloit; Chester Whites, T. C. Wrench, Beloit; Hampshires, Carrie Rufner, Beloit. Mitchell county was the first county in the state to organize a purebred breeders association about 15 years ago. The Mitchell County Fair always has been a success and made so without horse races and the exhibits of fine stock are the big features that make the fair a success. It is state wide and the 1922 fair promises to be bigger and better than ever.



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