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KANSAS FARMER
AND
MAIL & BREEZE

Volume 61 — January 13, 1923 — Number 2

KANSAS STATE AGRICULTURAL COLLEGE JAN 12 1923 LIBRARY

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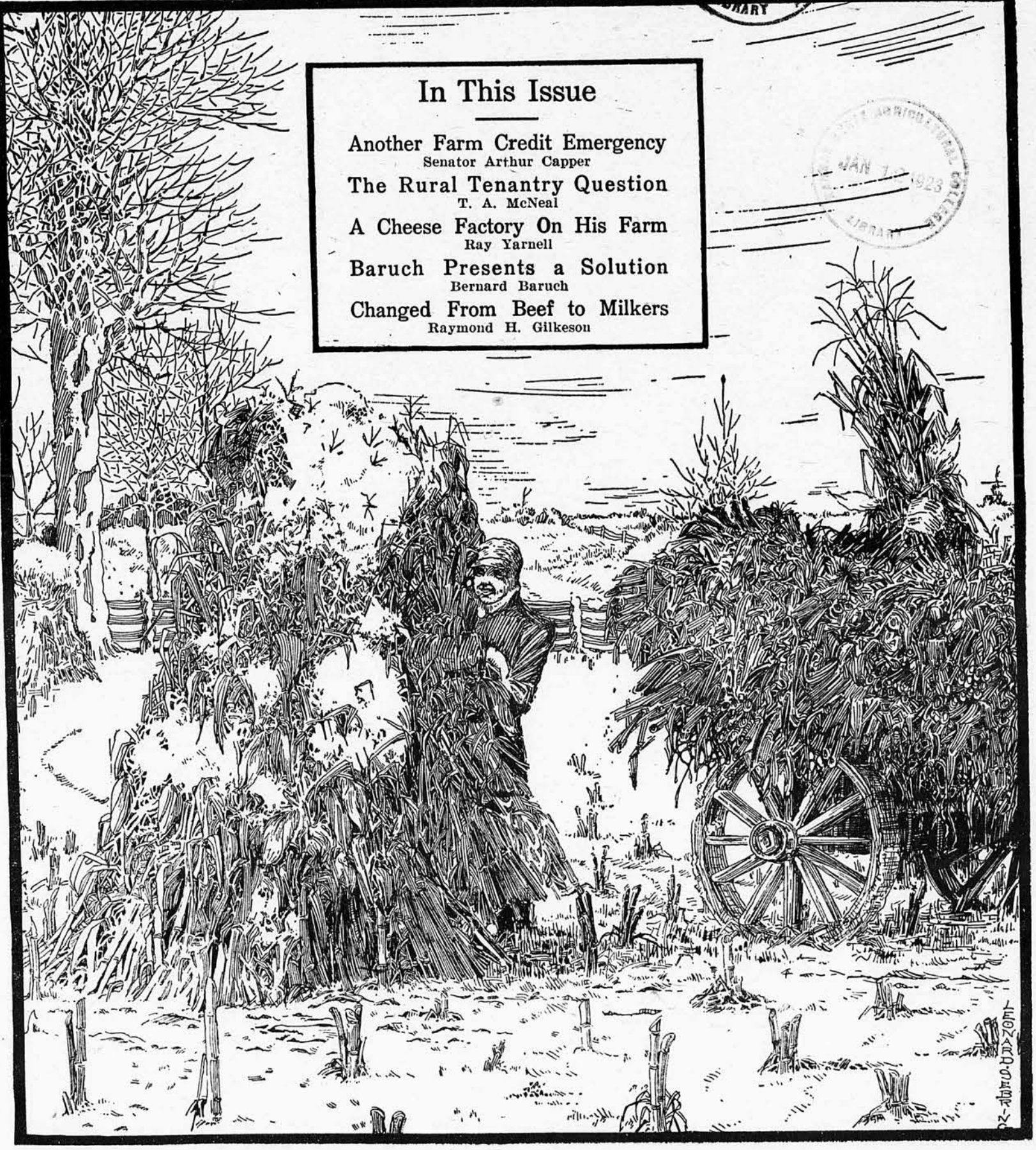
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Your Money—How to invest It

Mortgages, Either On City Property or Farms, Are Attractive Investments

ASIDE from bonds and stocks, both preferred and common, real estate mortgages offer an attractive means of investment and a relatively safe one. The lender may place a loan with an individual who wishes to borrow, and hold the mortgage himself. Often there is opportunity in a community to lend money on real estate, either city property or a farm.

In a case of this kind the lender must depend on his judgment as to the value of the security he obtains for the loan. It is his business to have the abstract examined by a competent person, to see that the property is properly insured against fire and tornado and otherwise to protect his interests.

Placing Individual Loans

Naturally the individual can place his loan at the prevailing rate of interest charged by loan companies and probably by making certain concessions in regard to repayment he may be able to obtain a slightly higher rate. At least the commission usually charged would accrue to him so his return on the mortgage would be net.

However it is not always convenient for a man who has money to invest to find a borrower who can supply good security. Locating a borrower often requires considerable time and making the loan involves much detail.

So it is natural to turn to the mortgage companies who make a business of lending money on real estate to obtain a security. These companies sell the mortgages they write to investors. They have all the facilities for determining the value of property given as security for the loan, they employ expert lawyers to pass on abstracts of title, the property is valued by men who are trained in making appraisals, and it is customary not to lend in excess of 50 per cent of the appraised value of the property. Mortgages offered by a reputable mortgage company usually may be accepted as safe investments, not only because of the many safeguards thrown around the investment by the company making the original loan but because the company usually will lend its assistance in an effort to protect the person buying the mortgage if any difficulties in regard to the collection either of principal or interest should arise.

Of course the lender would receive on the average a lower rate of interest than if he had made the loan direct to the borrower. Usually the mortgage company writes the first mortgage at say 6 or 7 per cent and then takes a second mortgage for 1 or 2 per cent for the period of the loan as its commission. The first mortgage then is sold for par, the money is lent out again and the mortgage company obtains its commission and profit when the second mortgage is paid, payments on this being made usually once or twice a year during the life of the loan.

The advantage of buying a mortgage from such a company is that the purchaser can rely very largely on the recommendation of the house as to the desirability of the security and he usually can feel fairly certain that technically everything is ship-shape and O. K. To the man unfamiliar with the details of making loans this service is of much value inasmuch as it protects him against errors which might result in loss.

In the larger towns and in many of the smaller ones are mortgage companies from which these securities may be obtained. Often banks will assist a lender in finding a borrower or they actually may take charge of the loan and handle the detail work involved for a small charge.

Of course it must be remembered that mortgages are subject to taxation in Kansas, hence the yield should be large enough to compare favorably with tax exempt securities such as Government, city and state bonds, which may be purchased at nearly any bank. Good tax exempt securities may be purchased today to net around 4½ per cent interest and they are highly desirable investments. A real estate mortgage should draw 3 to 4 per cent more, that is it should be on a 7 to 8½ per cent basis, to compare favorably with Government and municipal bonds, because the risk involved is greater and taxes must be paid on the face value of the mortgage.

Arthur Capper's New Book

You have all heard a great deal about the "Farm Bloc," but how many of you really know what it is? Why it was organized? What it has accomplished and what its ultimate aims are?

A recent book by Arthur Capper, United States Senator from Kansas, entitled "The Agricultural Bloc" gives a complete history of this great cause so vital to the interests of the American farmer.

The Kansas Farmer and Mail and Breeze has been fortunate in securing a limited number of these books and will be pleased to send one to any of its subscribers along with a year's subscription to the Kansas Farmer and Mail and Breeze on remittance of $1.50. Address, Kansas Farmer and Mail and Breeze, Dept. 10, Topeka, Kan.—Advertisement.

What was your most profitable crop last year? Write a short letter to the Kansas Farmer and Mail and Breeze telling about your work. It will interest all of our readers as well as your friends.

Save Manure and Help the Wheat

BY H. M. BAINER

RECENT reports of the Kansas Experiment Station show an average gain of more than 7 bushels of wheat an acre as a result of the application of 2½ tons of manure an acre annually. This is about $2 a ton for the manure with wheat at $1 a bushel. In another case 5 tons of manure applied once in three years to wheat grown in rotation with other crops increased the yield 3 bushels an acre. The other crops were also benefited by the manure.

In Oklahoma an application of manure produced 23 bushels of wheat an acre as compared with 13 bushels when no manure was applied—a gain of 10 bushels. In all cases there is no doubt of a residual effect, such that if the application of manure was discontinued, the manured ground would continue for many years to produce higher yields than land which had never received applications of manure.

On the other hand, it must be admitted that manure will not always produce larger yields, especially in the western parts of Kansas, Nebraska and Oklahoma, and the Panhandle of Texas. The soils of this area are, as a rule, rich and yields are determined largely by the moisture supply. Manure tends to produce a rank, early growth which is injured more easily by hot winds and drouth later in the season.

One of the best means of using manure is to apply it as a top dressing to wheat during the winter. This is the time of the year when other work interferes least and when clover, timothy or other grasses are to be sown in the wheat the manure is of marked value in obtaining a good stand.

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KANSAS FARMER and MAIL & BREEZE

January 13, 1923 By Arthur Capper. Vol. 61 No. 2

A Cheese Factory on His Farm

Roy C. Paul of Allen County Eliminates Some of the Hazards of Farming by Being a Producer, Manufacturer and Distributor All in One

By Ray Yarnell

FREEDOM from the hazards of marketing his products thru agencies over which he has not the slightest control, is the goal every farmer is striving to reach. Often accomplishment is difficult.

Roy C. Paul has reached that goal. On his Allen county farm he not only is a producer of raw products, but a manufacturer and a distributor. He controls every phase of his enterprise from the preparation of the soil and planting of the seed to the placing of the finished food product in the hands of the consumer. To him profits accrue from three sources—production, manufacture, distribution. The profit is small in every case but combined it amounts to a considerable sum.

No Refrigeration Needed

Paul knocked a hole in the argument that cheese cannot successfully be manufactured so far south in Kansas as Allen county by manufacturing it. His farm factory, which has been in operation since February, 1922, turns out around 25 pounds a day. Cheese was made during the summer without refrigeration for the finished product other than a cool cellar. None was damaged by heat. If a cellar in which the proper temperature can be maintained is not available, of course artificial refrigeration is necessary.

Altho the hazards of marketing dairy products are less serious than those involved in disposing of many farm products, Paul desired to eliminate as many of them as possible. He has a herd of 30 cows and a daily average production of 240 pounds of milk. Previous to February, 1922, he had sold butterfat, feeding the skimmilk to calves and pigs.

Back in Iowa Paul manufactured ice cream. He was also in the dairy business there but he had a liking for the manufacturing end. Last winter his father went to Paola and spent a day or two in the cheese factory there, studying the process of manufacture. Paul wrote to factories and agricultural colleges and obtained information about cheese making. He decided to start a small factory.

A small steam boiler and a water-jacketed tank were obtained and installed in a small building near the house. A compress, in which the cheese is molded, was set up in the cellar. Then manufacturing began. It was successful from the start.

To solve the problem of marketing his production Paul turned to the Kansas Farmer and Mail and Breeze. He advertised his cheese and sold it by mail. Demand has kept up with production. Recently, thru the aid of James A. Milham, county agent, who recommended the cheese to an Iola grocer, a local market opportunity is developing. Paul hopes to increase his production so he can take care of both local and mail order demand.

The cheese factory is operated by Miss Sarah Paul who graduated from high school last year. Miss Paul assisted her grandfather for several months and in June took charge of the plant. She plans to go to the Kansas State Agricultural College and take special instruction in cheese making preparatory to an enlargement of the output of the factory.

Double the present production could be turned out with practically no additional cost except the value of the milk used. The labor and operating expenses would be increased only slightly. To put the factory really on a paying basis, additional production is necessary in order to properly compensate for labor. At present Paul is getting fair pay for labor and is obtaining for the milk about the same amount he would receive if he sold butterfat. He figures that he should have an additional profit as a manufacturer and distributor which would be forthcoming at current prices if he could double production.

Two years ago Paul purchased 160 acres near Moran. He had been living in another part of the county where he had raised beef cattle. On the farm was a huge cement stave silo. When he sold the place Paul reserved the silo, tore it down and hauled the staves to his new home.

Half of the silo staves were used in erecting the walls of a circular dairy barn; the remaining staves formed another silo. Walls of the barn which are slightly more than half a circle in length, are formed of staves set two deep. The silo stands in the uncompleted angle of the circle and forms a part of the enclosing walls.

Around the silo is an areaway for feeding and the stanchions are arranged in a semi-circle. The barn is well lighted and ventilated.

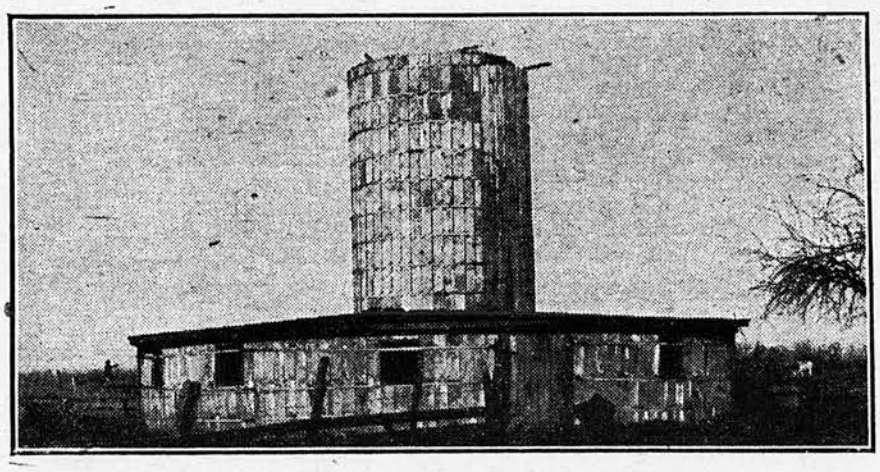
Chief Income From Livestock

Livestock is depended on chiefly for income on this farm. Crops seldom are sold. This year some kafir, which yielded about 30 bushels an acre, will be turned for cash but most of the crops are fed on the place. The kafir stover was put in the silo for winter feeding.

Some alfalfa is grown and the acreage devoted to this legume will be increased. Paul also intends to produce Sweet clover seed. His original purpose in coming to Kansas 10 years ago was to grow Sweet clover. He was successful for several seasons, but gradually changed over to livestock production. Paul has some pasture but he rents 80 acres of grass from a neighbor to carry his cows in summer.

The farm supports 50 pigs, purebred Duroc Jerseys. Paul had 10 old sows which he sold and is raising others to replace them. He plans to keep that many every year. Hogs consume the curd left after cheese is made and also the surplus grain produced on the farm. They have been profitable.

Another source of profit is sheep. Paul keeps 15 ewes which pick up much waste feed. Lambs are fattened and sold and at present prices wool nets a good income. It is Paul's idea that every farmer should have 15 or 20 ewes to clean up the waste feed.



This Barn and Silo Are Made of Cement Staves Taken From an Old Silo Roy C. Paul Reserved When He Sold His Farm

Changed From Beef to Milkers

By Raymond H. Gilkeson

AFTER raising beef cattle for 10 years, Bert Roney of Osage county dropped the business and changed to milkers. "Raising beef turned into such a game of speculation that I got out," he said. "I desired to have my money in something that would bring in good returns without fail, and I am not sorry I changed."

Three purebred Holsteins and several grades were purchased in 1918 as the starter of the dairy herd, and under the careful guidance of Mr. Roney the herd has paid and has grown to 50 head. Conservative business methods wouldn't allow an investment right at the start of the dairy business sufficient to buy all purebreds, but gradually the herd is being changed to that standard. "Purebreds are more profitable," remarked Mr. Roney, "especially the offsprings. With purebreds a person can keep records and build, while if the farm herd is made up of grades, they always will be grades."

Fifteen of the 50 head in this farm herd are purebreds, and Mr. Roney figures it will take about three or four more years to work entirely out of grades. All the offsprings of the three purebreds bought at first have been kept, thus gradually replacing the grades. They are at the place now where they can guarantee everything in the herd and everything they sell. They have kept accurate records on every cow and know the exact production. There are no boarders in the herd, and every animal has paid a good profit. The average production of the herd, heifers and all, is 9,000 pounds of milk a year, and some of the cows are producing 10,000 to 15,000 pounds. They practice feeding a ration of 4 parts corn, 2 parts bran, 1 part oilmeal and cottonseed meal. The cows get all the alfalfa they can eat, and 35 pounds of silage a day.

The highest producing cow in the herd is one of the first purebreds that was bought. She was a mature cow when purchased, and the first two years she was on the Roney farm she produced only 9,000 pounds of milk. Those two years she received the regular herd ration. Mr. Roney and his son thought this cow had the qualities of a high producer, or at least were sure she could make a better record than 9,000 pounds, so they decided to put her on test. She produced a good heifer calf when she freshened September 30, 1920, and record work was started October 3, 1920. During the first nine months of the test the cow received 27 pounds a day, in four feedings, of a ration made up of 4 parts corn, 2 parts bran, 2 parts oats, ½ part shorts, ¼ part oilmeal, and ¼ part cottonseed meal. The last three months of the test she received 20 pounds of the foregoing ration a day. She had all the alfalfa she could eat, as it was before her all the time, and from December 15, 1920, to May 1, 1921, she received 25 pounds of corn silage a day. All the time she was fed in a dry lot.

While on this 12 months' test, this cow produced 18,100 pounds of milk and 775 pounds of butter. This is an average of a little more than 50 pounds of milk a day. The lowest daily production was 30 pounds, while the highest was 73 pounds. "This isn't a record for the state by any means," said Mr. Roney, Jr., "because there are others higher, but we can show this record as that of a very consistent milker, and that is the kind of cow that is the money maker in the dairy business." Roland Roney, who is Mr. Roney, Jr., has attended the Kansas State Agricultural College for two years and is thoroly interested in the dairy business. He has done considerable cow testing and is using his experience and knowledge to better the farm herd in every way possible.

Every cow's milk on the Roney farm is weighed separately each milking, and once a month the percentage of butterfat is tested. In this way the herd is being built for higher production. Mr. Roney belongs to the Osage County Cow Testing Association, and he is doing semi-official work thru the Holstein-Friesian Association. Not alone are the cows in the farm herd good milk producers, for this year 10 cows brought 11 fine calves. The marketing problem is happily settled so far as the milk is concerned. All the cream is sold direct to central markets, while the farm herd of 150 purebred Duroc Jersey hogs takes care of all the skimmilk. "Skimmilk is the best feed for our hogs we have," remarked Mr. Roney, "and I only wish we had more of it."

Convenience is the key to the equipment. The barn was built as the dairy herd grew. The entire barn now is 52 by 44 feet. The main part was built first, 20 by 44 feet, and as returns from the dairy herd justified, a 14-foot addition was put on each side. The north side provides room for 10 horses. The stalls are arranged so the horses face the north, and directly in front of the horse mangers is a 10-

(For Continuation turn to Page 14)

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Livestock Editor.....T. W. Morse
Farm Doings.....Harley Hatch
Dairying.....J. H. Frandsen
Medical Department.....Dr. C. H. Lerrigo
Poultry.....I. B. Reed
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Member Agricultural Publishers Association
Member Audit Bureau of Circulation
Published Weekly at Eighth and Jackson Streets, Topeka, Kansas.
ARTHUR CAPPER, Publisher
F. B. NICHOLS, Managing Editor T. A. McNEAL, Editor
JOHN W. WILKINSON and RAY YARNELL, Associate Editors
CHARLES E. SWEET, Advertising Manager
SUBSCRIPTION RATE: One dollar a year
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Passing Comment—*By T. A. McNeal*

AGAIN war clouds gather over the Bosphorus. Greek armies are moving to the Thrace front and a clash if not imminent is at least probable. Is it possible to reconcile the old time enemies and insure reasonable justice and fair treatment of the Greeks and Armenians by any Turkish government? Ismet Pasha, leader of the Turks, insists that the Turkish government and the Turkish courts will deal justly with Greeks and Armenians, but it was observable the Turks were not willing that the Armenians should be heard at the Lausanne conference.

If it were not for the steadying effect of the United States representatives at the conference it probably would have broken up in a row before this. However, before there can be anything like genuine and permanent peace in Europe some settlement must be made of the Near East problem. Of course the obstacles we hear about standing in the way of a settlement have to do with ancient racial and religious hatreds and rivalries, but there are also commercial interests that are playing a big part.

There are great oil fields known as the Mosul oil fields which several of the great European powers want, especially Great Britain, and which Turkey claims. Back of the racial and religious questions is the question of oil. If that could be removed, in all probability the others could be compromised.

Truck Cheaper Than Freight

AMONG people who do not pretend to know much about railroad business there is a wide and growing belief that the trouble with the railroad business is lack of efficient and economical management. When they see that it is possible to haul bulky freight hundreds of miles over average roads, some good, some just fair and some in rather bad condition, on auto trucks at a great saving both in time and cost to the shipper, as compared with the cost of hauling the same freight by rail, they are justified in concluding that railroad transportation must be too expensive and that the fault must lie in the manner of handling the business.

Recently a resident of the suburbs of Boston decided to move to Cleveland, O. He desired to move his household goods and furniture, sufficient to fit up a house with six rooms. He took the matter up with the railroad company and found that it would be fully 30 days before he could count on getting his furniture into his new place of residence. The distance from his Massachusetts residence to his Cleveland residence was 600 miles. Counting the cost of freight by rail, the cost of packing his goods and moving them from his house to the railroad depot, hauling them again from the Cleveland depot to his new home, placing the cost of rental and cost of living in a hotel until he could get re-established in his Cleveland home would amount to a total of more than $1,100.

This man then dickered with a moving van concern and found that he could have his goods packed, moved and replaced in his Cleveland home in four days and at a cost of approximately $700, a clear saving, to say nothing of the annoyance and inconvenience of being out of a home for a month, of more than $400. The goods were delivered according to contract without damage and replaced in his new Cleveland home.

What People Are Thinking

I HAVE a letter from an Oklahoma subscriber who gives it as his opinion that the world in general and also the United States is in a very serious situation. He thinks the United States is headed for bankruptcy and that right soon. Maybe the brother is right, but he doesn't suggest just what he expects me to do about it.

One thing that has struck me for a good while is the amount of wisdom that is going to waste. The printing presses of the country are busy printing books and pamphlets, especially pamphlets, that mighty few people read. I get these pamphlets and documents in large numbers and frequently when I have the time to glance thru one I discover what seems to me to be good stuff, but that is about as far as it goes. No doubt the pamphlets I do not have the time to read are as good as the ones I happen to read, but they do not do me any good. Now the authors of these pamphlets no doubt spent a vast amount of time in getting the material together—and most of it is wasted on the desert air.

Of course there is this bit of consolation; there is a lot of stuff printed which is not read and which isn't worth reading, but on the other hand it seems to me that the stuff that is not worth reading has more readers than the stuff that is worth while. We certainly do swallow a lot of chaff in order to get a few grains of intellectual nourishment.

I have been reading such testimony as is being published about the Herrin riot trial. Granting that all the testimony of the defense is true and that the mine guards were roughnecks, who had little discretion and little sense, who did things calculated to stir up trouble, that furnishes no excuse for the cold blooded massacre of helpless men after they had surrendered according to agreement. If men are killed in an open fight perhaps one side is as much to blame as the other, but no civilized fighter murders his enemy after he has taken him prisoner and has him unarmed and completely at his mercy.

I do not know what the legislature is going to do, but I do know that just now a fine, gentle, warm rain lasting about 48 hours all over Kansas would be worth 10 times as much to the state as all the laws that are likely to be passed by the legislature.

There is a lot in the way a thing is said. I know a man who is remarkably well informed and he has some mighty sensible ideas in his head, but every time he talks to me I feel an almost irresistible impulse to crack him on the jaw. It isn't what he says but the way he says it that gets my goat. After he has gone and I have time to think over what he said disassociated from his personality, I find myself for the most part in agreement with him, but while he is talking to me I wish to wring his neck.

A friend said to me the other day that there are very few perfectly balanced people. He seems to think he has made a discovery but as a matter of fact the truth he stated ought to have been evident to him ever since he has been old enough to think and observe. Of course there are very few perfectly balanced people and when you do find one he is of no use to the world. The perfectly balanced individual is one in whom the forces of action and reaction are equal. He is like an engine when it is on what is called "dead center." It will not pull a pound because the forces of action and reaction are exactly balanced.

The reactionary is like an engine in reverse. He is running backward. It of course would be a mighty poor kind of an engine that could not be put in reverse, but on the other hand an engine that could only run backard might as well go to the scrap heap. The same thing might be said of an engine that could only go forward, but the most useless engine of all would be one that couldn't be got out of dead center.

This and That

I HAVE here a letter telling me of a Kansas farmer who seems to have no particular kick about anything. He says that he considers that he is getting a fair price for what he raises and his crops are reasonably good. He frankly admits that he is making and saving some money. His kind are so rare that when I find one I am interested.

It is mighty easy to get in the habit of complaining and, speaking generally, I do not know of anything that brings back less in the way of satisfaction or dividends of any sort. It is likely to affect the health and make the complainer a nuisance. The man with a grouch may be justified in having it but he is never popular.

Men and women are just grown up children and except in the matter of stature a good many of them are not grown up. How many men there are who delight in empty titles and medals and badges of supposed distinction. Here is a little shrimp of a man who never rose to a higher rank in his own household than eighth corporal and knows that he may be reduced to ranks at any time by his wife, but by faithful and persistent attendance at some lodge he finally attains to some high sounding title like "Exalted Ruler" or "Most Worshipful" something or other. Just like a child making believe that he is a man, he rejoices in that empty honor.

The Tenantry Question

TWO years ago the people of Kansas voted to amend the Constitution. The substance of this amendment reads as follows: "To encourage the purchase, improvement and ownership of agricultural lands and the occupancy and cultivation thereof, provision may be made by law for the creation and maintenance of a fund, in such manner and amount as the legislature may determine, to be used in the purchase, improvement and sale of lands for agricultural purposes."

On the ballot this amendment was designated an "Amendment to the Constitution relating to state aid in the purchase of farm homes."

It is evident that a majority of the voters favored doing something to help those who had not the means to purchase farm lands. I think the real purpose of the amendment was to help solve the tenant problem. The last legislature did nothing about the matter and so far I have not heard of any proposed bills to put the constitutional amendment into effect.

Yet tenantry is recognized as a real and growing evil. Our landlord and tenant laws may be as good as the Kansas legislature in its brief and

Keenan's Charge

BY GEORGE PARSONS LATHROP

(During the second day of the battle of Chancellorsville, General Pleasonton was trying to get 22 guns into a vital position as Stonewall Jackson made a sudden advance. Time had to be bought, so Pleasonton ordered Major Peter Keenan, commanding the Eighth Pennsylvania Cavalry, 400 strong, to charge the advancing 10,000 of the enemy. An introduction to the poem, setting forth these facts, is omitted.)

BY THE shrouded gleam of the Western skies,
Brave Keenan looked in Pleasonton's eyes
For an instant—clear, and cool and still;
Then, with a smile, he said: "I will."

"Cavalry, charge!" Not a man of them shrank.
Their sharp, full cheer, from rank to rank,
Rose joyously, with a willing breath—
Rose like a greeting hail of death.
Then forward they sprang, and spurred and clashed;
Shouted the officers, crimson-sash'd;
Rode well the men, each brave as his fellow,
In their faded coats of the blue and yellow;
And above in the air, with an instant true,
Like a bird of war their pennon flew.

With the clank of scabbards and thunder of steeds,
And blades that shine like sunlit reeds,
And strong brown faces bravely pale
For fear their proud attempt might fail
Three hundred Pennsylvanians close
On twice ten thousand gallant foes.

Line after line the troopers came
To the edge of the wood that was ring'd with flame.
Rode in and sabred and shot and fell;
Nor came one back his wounds to tell.
And full in the midst rose Keenan, tall
In the gloom, like a martyr awaiting his fall,
While the circle-stroke of his sabre, swung
'Round his head, like a halo there, luminous hung.

Line after line; ay, whole platoons,
Struck dead in their saddles, of brave dragoons
By the maddened horses were onward borne
And into the vortex flung, trampled and torn;
As Keenan fought with his men, side by side.
So they rode, till there were no more to ride.

But over them lying there, shattered and mute,
What deep echo rolls?—'Tis a death salute
From the cannon in place; for, heroes, you braved
Your fate not in vain; the army was saved!

Over them now—year following year—
Over their graves, the pine cones fall,
And the whip-poor-will chants his spectre-call;
But they stir not again; they rise no cheer:
They have ceased. But their glory shall never cease,
Nor their light be quenched in the light of peace.
The rush of their charge is resounding still
That saved the army at Chancellorsville.

crowded session can devise, but it seems to me to be about 100 years behind the times.

I never have hoped for much from the constitutional amendment for the reason that in all probability no legislature can be induced to appropriate enough money to give the matter of state aid to poor but industrious men in the purchase of farms a fair trial. However, this is a much more favorable time to test the matter than two years ago, for the reason that most of the speculative price of farm lands has been squeezed out and lands could be purchased by the state and sold again to present renters on much more favorable terms than two years ago.

There is nothing in this amendment that permits the state to take any owner's land from him without his consent. It simply makes it possible for the state to purchase farm lands with its credit, which is better than the credit of any individual and gives to the purchaser the benefit of that low rate of interest. Two years ago the state perhaps could not have borrowed money at less than 5 per cent. I have no doubt that it could borrow money now at 4 per cent.

If it were not for another provision in the constitution which forbids the state from contracting debt of more than 1 million dollars without submitting the matter to a vote of the people the legislature might provide for the purchase of lands with 4 per cent bonds and then take the obligation of the purchaser for the price paid by the state, he contracting to pay the state the price per acre paid by the state with interest on deferred payments just enough higher than the rate of interest on the bonds to pay the expense of handling the matter. In that case the state would hold the title to the land until payments were made according to contract by the purchaser.

Farmers' Service Corner

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

About Sowing Johnson Grass

Is it lawful to sow Johnson grass in the state of Kansas? H. P.

Formerly it was not but the law forbidding the sowing of Johnson grass was repealed several years ago.

Transfer of Property to Wife

A and B are husband and wife and own 800 acres of land. They have two boys both married. B's name is not on the deed but is signed to the mortgage they placed on this land. B dies and A marries again and deeds all this land to his second wife. What share can these boys get? There was no will. A. J. H.

They cannot get any share.

Amount of Inheritance Tax

When property descends direct from parents to their children, how large must an estate be before an inheritance tax has to be paid? Also please give me the per cent of tax required on estates ranging from $50,000 to $100,000. J. C. H.

The direct descendants of the decedent are placed in class A. Each child is permitted an exemption of $15,000. On the first $25,000 or fraction thereof in excess of $15,000 the inheritance tax would be 1 per cent. On the second $25,000, 2 per cent, and on the next $50,000, 3 per cent.

Time Required To Outlaw Note

1—How long after a note is given before it is outlawed, there having been no interest paid for more than four years? The note was unsecured in any way? Does giving of a note for a book account release the book account? J. B.

1—In Kansas a note outlaws in five years after it becomes due provided no payment has been made thereon.

2—Usually a note given for a book account cancels the book account. This might not, however, follow in all cases. A note might be given simply to secure payment of the book account.

About Homesteading Land

1—How much land can a man take under the homestead law of Kansas? 2—Where can a copy of the Kansas law be obtained? R. E. D.

1—I assume that the questioner means the homestead laws of the United States. Kansas has no distinctive homestead law. The citizen who has not already taken a homestead might take 160 acres in Kansas under the homestead law if he can find a tract of that size still subject to homestead which I think is very doubtful.

2—Write to the Secretary of State for a copy of the laws.

A Case For the Courts

A, a woman, owns a farm of 160 acres in Nemaha county, a house and lot in Centralia, and 160 acres in Anderson county. Three years ago she married B, who has no property but worked and contributed to the support of the house. C is a son of A, 14 years old. He and B don't get along at all. If B is to be thrown out can he get some recompense? H. Y. Z.

If he can show that he is not at fault he possibly can. That is a matter that would have to be determined by an action in court.

Franco-Prussian War of 1870

Did Germany attack France in 1870 or did France attack Germany? We hear so much these days about the invasion of France by Germany. I have before me a student's reference book that says that France crossed the German border with an army of 30,000 men. Is that true and which was really to blame? L. H. T.

It is true that the French army crossed the border into Germany before Germany made an attack. It is also true that Bismarck had carefully maneuvered to bring this about. It is further true that Emperor Napoleon III was the immediate cause of getting France into that disastrous war of 1870.

Various Questions

How long has the insurance company known as the Bankers' Life Company of Des Moines, been in existence and is it a reliable company? R. H. B.

The Bankers' Life Company has been in existence for more than 30 years and is in my opinion an entirely reliable company.

Hiring County Engineers

Is it legal for a county commissioner to sign a contract hiring a county engineer for two years just a few days before the commissioner's term of office expires? N. H. C.

Until his term of office does expire the commissioner has the same official rights and powers that he had at any other period of his official term.

Seniority Railroad Rights

I was an employe in a certain shop. I had worked but one week when the shopmen's strike occurred. I came out with the strikers and remained out until they had won all but their seniority. I did not have enough seniority to stay out for. Did I do right by returning to work or ought I to have stayed out? S. K. F.

That is a matter which you must settle with your own conscience. I cannot answer it for you.

Another Farm Credit Emergency Upon Us

WHILE Congress is putting the finishing touches to a system of new farm credit legislation, a grave credit emergency is developing among hundreds and thousands of farmers who formerly were in average good circumstances. These farmers are clinging to the ragged edge of nothing more tangible than hope. They are not reached at all by the Federal Land Banks and the War Finance Corporation. Unless some means may soon be found to sustain them awhile longer by small loans, they and their families will, I fear, be shortly turned adrift in such numbers as to make the consequences serious for the country as well as for themselves.

These farmers, for the most part, live in the less-favored credit regions, and there are enough of such regions to make the number of these men a considerable part of the farm population. The public has little conception of their plight, or of the extent of the trouble. Nobody really knows it but the country bankers and the farmers themselves.

H. G. Wengert, South Dakota farmer, writes me:

"Men and their families who have labored 10, 20, 30 and 40 years are leaving their farms penniless, downhearted and broken in health. Thousands of others are being forced to leave to obtain a decent existence by taking up other work. The Government will have to assume a more direct hand in rebuilding and strengthening the backbone of the Nation. If there should be an occasional lost loan, it would not be a drop in the ocean compared with the chances we are taking every day."

In one Colorado county there are more than 100 foreclosures at the present term of court, and there were as many more at the former term.

Enclosing me a copy of the letter, a country banker in another state recently wrote as follows to the Secretary of the Treasury:

"I note your circular letter in regard to exchange of war savings stamps for treasury savings certificates. I hardly know what to say about placing these placards in the post offices and other public buildings in this stricken country. Instead of the Treasury Department asking for money from this territory, it should be doing everything in its power to bring money back into it. The situation is serious. If it continues it will impoverish enough of the population to make a very dangerous condition."

I have received this graphic outline of the situation in North Dakota from E. H. Pullen of Donnybrook:

"Unless relief comes at once for the financial crisis in the farming industry, its reflex will be felt by all other elements of the Nation. Federal financial aid and supervision for agriculture is now needed. The man whose note was mortgage-secured, and the mortgage foreclosed, needs help to redeem his farm home. The man about to lose his mortgaged farm needs help. The farmer facing bankruptcy needs help.

"Some farmers are paying 8 per cent, others 10 per cent annual interest. That is compound interest. Eight per cent compound interest for a long period of time is equivalent to 12 per cent simple interest, and 10 per cent compound interest on long time is equivalent to 15 per cent simple interest. At 8 per cent annually the farm element must be paying, or trying to pay, an average of 100 million dollars every month of the year in interest. We need money at a rate of 4 per cent simple interest on from three to 10 years' time, payable in equal annual payments. First payment on three, four and five-year notes to fall due at close of first year. First payment on six, seven or 10-year notes, to come due at end of second year."

A Nebraska banker write me that one-third to one-half of the farm population of his part of the country are in this same plight, and that only radical or drastic measures taken in time, will avail to help them. The only remedy he can suggest to save these farmers and keep them where they will shortly be needed, is this:

"What is needed is a law directing the Treasury Department to issue Government bonds running about five years, the proceeds from the sale of these bonds to be lent to some farmers and stockmen in every community in the West; these loans to be made to farmers and stockmen who owe as much as their property is worth at the present deflated prices, but do not owe more; the man say, who owes about $2,000 and has only farm machinery, milk cows, chickens, work horses, etc., worth about $1,800 or $2,000 at this time.

"Those who owe only half what their property is worth, will be able to take care of themselves in some way. This other man cannot. The Government should take him up and lend him enough money on five years' time at 5 per cent to maintain himself. What has so far been done will benefit only the well-to-do farmer and stockman, not the men who operate on a small scale and who have come to owe nearly all that their property is worth thru no fault of their own.

"Now this may sound radical to you. But if one is to accomplish anything, one must come out with the truth now, even if it seems radical.

"Let Congressmen who are skeptical in regard to this proposal arrange for a meeting between farmers, stockmen and bankers with a committee from Congress, to view the facts and find the means of cure."

Another proposed measure of relief coming from these localities is for the Government to absorb the crop surplus remaining in farmers hands, at a fair price and fix and maintain prices as in wartime.

While it is unlikely such relief measures can be put thru Congress, these men are in far more need of help and are more deserving of help than the railroads, which for more than two and a half years have been collecting high freight rates from the public with the approval of the Interstate Commerce Commission; or the ship owners, who are asking subsidies of more than 50 million dollars a year to help them conduct their business. These farmers who cannot help themselves and cannot get help, could and probably would pull thru if they might be grub-staked awhile longer. Their present plight is due largely to two bad seasons, to having to sell their products at 10 per cent above the pre-war level while buying for their own needs at 69 per cent above the 1913 basis. In other words, the buying power of their dollar is about 64 to 65 cents when exchanged for other products.

This is enough to bankrupt any man if the process continues long enough. But no other man has the recuperative power of the farmer, and no other industry has the comeback that the farm industry has when once it has live-and-let-live conditions in which to work. Yet this host of farmers and stockmen, true prosperity-makers of the country, are gradually, but none the less certainly, being ruined because neither the Farm Land Banks nor the War Finance Corporation can come to their rescue. They help only the well-fixed or wealthy farmer temporarily embarrassed. The only hope these small farmers have lies in the hoped for restoration of European markets, and that the recent advance in the prices of farm products may continue. If they shouldn't, then what?

We have in the present emergency, a most forceful demonstration of the long need, and of the present desperate need, of just such credit measures as Congress now is preparing to enact. If 10 years ago, or even less, we had placed on the statute book a rural credit law making it possible for farmers readily to obtain a loan of from six months to three years as working capital, these now almost helpless farmers, instead of facing bankruptcy, would have a means at hand for tiding themselves over the present depression so long as they had anything marketable to store or pledge. Then we should be running no risk of breaking the men we need for the working of this country's farms.

Something will be done at this session of Congress to enact an adequate farm credit bill. Nothing else is receiving as much attention at this time. Within a week or two the Banking and Currency Committee will report out a composite measure of this kind. I shall do all I can to expedite the passage of any genuine adequate farm credit measure. Nothing else will do.

Arthur Capper.

Washington, D. C.

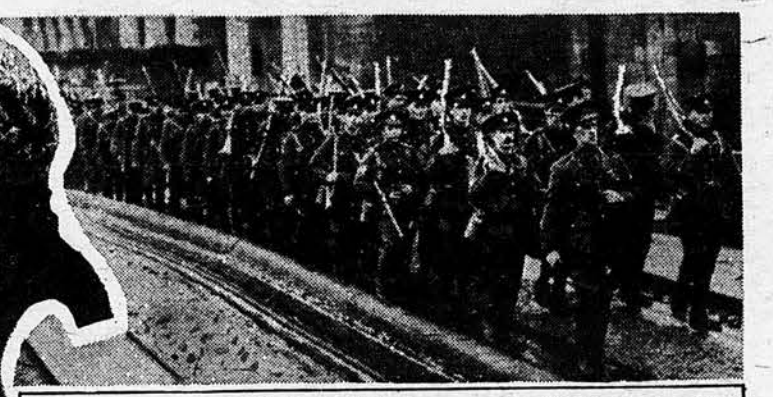
News of the World in Pictures



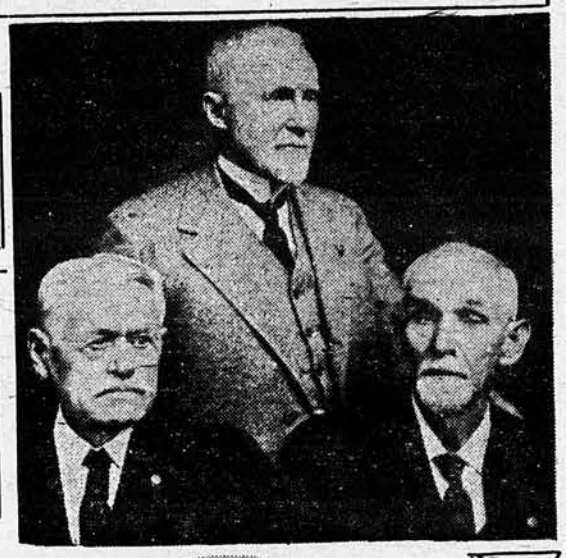
Russian Soviet Delegation to the Near East Conference at Lausanne, Switzerland; the Principal Leaders in the Delegation are in the Front Row; Left to Right They Are, Rakovsky, Tchitcherin, Mdivani, Vorovsky, Sabanine and Pastoukheff



Mrs. James J. Davis, Wife of the Secretary of Labor With Her 9 Months Old Daughter, Jean Allys Davis; Little Jean is the Only "Cabinet Baby" So Far Born During President Harding's Administration



Ireland Sees the Last of the British Troops and British Guns Marching Down the North Wall in Dublin to Embark for England; This Marks the End of All English Military Occupation of Erin



Dr. J. J. Morgan, H. S. White and Philip H. Elliott, Trio of Civil War Octogenarians, Compose Commission to Erect in Vicksburg Military Park in West Virginia a Monument and Markers to the West Virginians Who Were Killed in the Siege of Vicksburg; Each One is 82 Years Old and All Voted For Lincoln



A Bazaar and Coffee House in Mosul, This Historic Town on the Tigris is Now the Bone of Contention Between England and Turkey. It is the Center of the Oil Fields in Mesopotamia



A Solemn Ceremonial of the Ku Klux Klan, Photo Shows the "Cyclops" Holding the Symbolic "Fiery Cross" Receiving the Imperial Wizard Within the Mystic Circle at a Ku Klux Klan Ceremonial



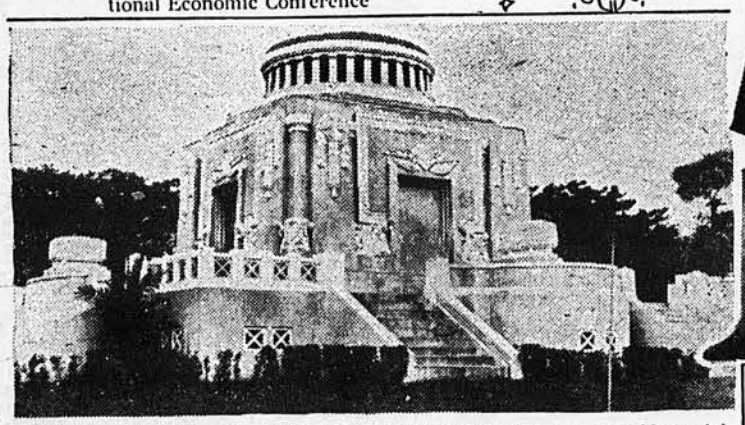
Photo of Sarah Bernhardt Taken at New York City During Her American Tour in 1916 When She Was 71 Years Old; Photo at the Left Which Was Taken in 1887 in New York City Shows Sarah Bernhardt With Lily Langtry, At That Time the Great French Actress Was 42 Years Old



Senator George H. Moses of New Hampshire and Senator Charles Curtis of Kansas are Two of the Senators Who Are Strongly Opposing the Borah Resolution Calling For an International Economic Conference



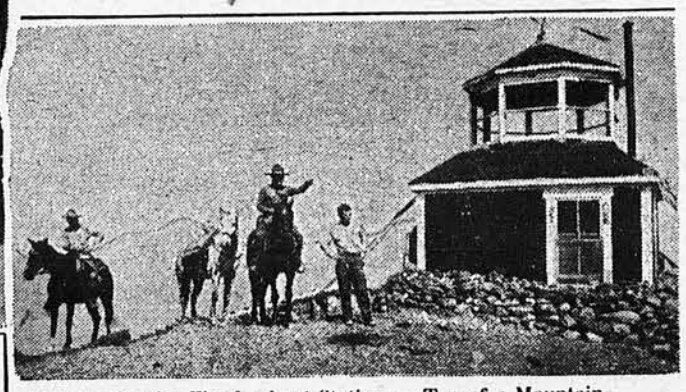
Harvesting Onions in the Lower Rio Grande Valley Near Brownsville, Tex., For the Folks Way Back North, Some of the Nation's Finest Onions Are Grown in This Region



This Beautiful Monument Was Recently Unveiled in Manila as a Memorial to the Filipino Veterans of the Revolution Against Spain During the Spanish-American War; It is the Most Artistic Soldiers' Memorial Ever Erected



This Three-Piece Costume Designed for Early Spring Wear Looks as Coquettish as Hope Hampton, Herself Who is Wearing It



A Forest Service Fire Lookout Station on Top of a Mountain West From Which an Observer Stands Guard Over Millions of National Forest Land

Photographs Copyright 1923 and From

...cal and growing laws may be ...re in its brief and

Wrecked Silo Now a Hog House

Lumber, Scattered by Wind, Makes Fine Farrowing Barn—Ernest Martin, Ford County Farmer, Plays Safety First Game With Cows and Hogs

By John R. Lenray

WHEN a July wind blew down Ernest Martin's wooden silo it figuratively blew his hogs into a new home. The lumber, all 2-inch stuff, was ideal material for the walls of a hog house, much superior to lighter stock he had contemplated using. Martin got a new silo, more suited to the needs of his larger herd of cows, and a new hog house for only a few hundred dollars more than the silo cost, so he actually wrote down the loss caused by the wind.

If a man set out definitely to make farming a safe business, and that is the aim of every one who is tilling the soil, he would follow many of the methods that long have been in use on the Martin farm. The cows which gather around the barn door about 4 o'clock in the afternoon, are not fancy animals but they give milk in sufficient quantities to be profitable. Hogs which live in the ex-silo and run in the feed lot, might not win prizes in the show ring but they grow into mighty good hams, shoulders and strips of bacon. The cow, sow and hen have for many years been Martin's valuable assistants.

Makes Money Farming

Martin makes money farming. He has a half interest in 1,400 acres of Ford county land, owns considerable livestock and the farm is fairly well equipped. His annual income runs into the thousands of dollars.

The business is built around milk cows as the biggest, surest and safest producers. In 1920 the gross dairy receipts totaled $5,000; in 1921, $4,000, and this year will be somewhat smaller. About 40 cows are milked thruout the year. Cream is sold to the Harvey House at Dodge City at a premium.

Martin has only grade cows, Shorthorns and Holsteins, but he uses purebred bulls and gradually is breeding up his stock. He retains the best heifers. Beef breed bulls are used, as Martin also has a cow herd for the production of baby beef.

A large shed, built on the side of the barn, houses the milk cows. It has a cement floor and manure drains and is equipped with stanchions. At one end is a small room which houses a power separator, a milking machine power plant and a gasoline engine. The milking machine, which consists of two double units, is the second Martin has owned since he started dairying in 1907. It has given the best of service, he says, and has made it possible for him to continue milking in the face of an acute shortage of labor and the disinclination of the average farm laborer to milk cows as a part of his job.

Next to milk cows, Martin says, hogs have been the most consistent earners and for that reason he is building up his herd and providing better equipment. The herd last fall consisted of 20 brood sows, 50 pigs and 20 fat hogs. Most are Duroc Jersey grades. The herd is headed by a purebred boar. Martin intends to keep on producing hogs for market but he is sold on the idea of having purebreds, believing they will grow out quicker and more cheaply and finish smoother than grades. He is interested in Tamworths but has not yet convinced himself that he wishes to break away from the reds.

Hogs run with cows in the feed lot, salvaging considerable waste feed, and are given the bulk of the skimmilk during the period of their most rapid growth. Later they are finished on corn. This year many fat hogs were sold to a Mexican butcher who supplied the Santa Fe track laborers with meat, and brought good prices. These hogs weighed around 200 pounds.

The new hog house, used principally for housing sows and pigs, is 20 by 72 feet in size and contains 19 pens and a grain bin. A cement-floored alleyway runs down the center. The pens have slat floors above loose soil, but they are not very satisfactory because the pigs root between the boards and Martin plans to put in either cement or solid wooden floors.

Pen gates are exactly the width of the runway, and by sawing a slot in the opposite fence thru which a lock bar may be pushed, Martin can divide the runway into sections and keep sows and pigs separate while permitting them more freedom of movement than if they were confined to one small pen.

The cost of the house, in addition to the silo lumber, was $750. Mr. Martin estimates that if no second-hand material had been used the hog house would have cost about $1,000.

Production of baby beef ranks third in importance among the sources of income. Martin has 180 beef animals, 70 of which are calves. He has used registered bulls for 10 years and the grade stock is of good quality. In former years many of the calves were sold at weaning time, but this year Martin will keep them until May. With an abundance of feed available, he believes retention of the calves for that short a period will be a paying venture, as baby beef usually fares pretty well on the market. Martin is not in favor of the production of feeder or stocker steers, chiefly because of the length of time required and the danger that changes in the market may wipe out any profit that might accrue. A slow turnover is a hazard he does not care to assume when he can get more rapid action in hogs and calves.

Because of his extensive livestock operations, Martin produces large quantities of feed, both grain and roughage. Kafir usually is grown on 90 acres, cane on 70 and corn on 20 acres. Most of the corn is fed to hogs.

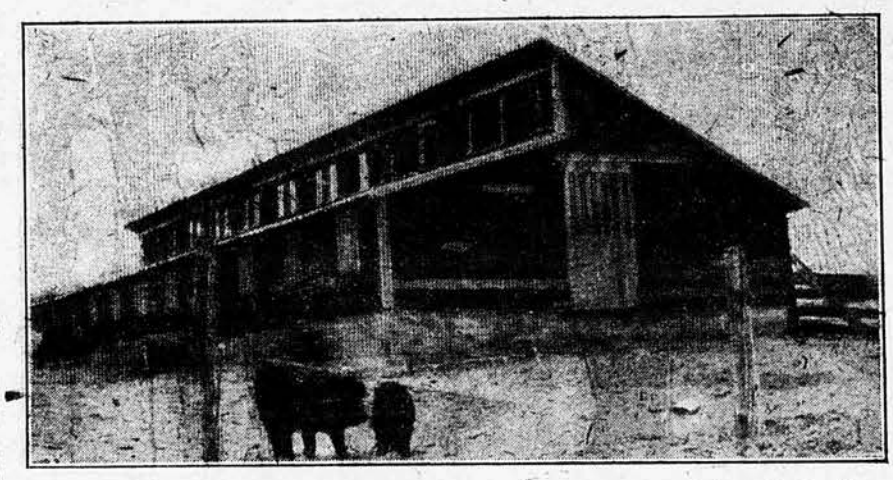
Both kafir and cane are used for silage, altho Martin says cattle show a slight preference for Kansas Orange cane.

Soil is Sandy Loam

The farm lies south of the Arkansas River. The soil is very sandy and is not adapted to wheat. Martin had a considerable acreage in alfalfa for several years but the stand was destroyed during the 1922 flood. He intends to sow this legume again because it is an excellent feed for milk cows.

When Martin first came to Kansas from Missouri, he and his father, William Martin, operated a big cattle ranch. The partnership continued until three years ago when Mr. Martin, Sr., retired. He still owns a half interest in the land.

"I have watched things rather closely since I have been farming," said Mr. Martin, "and I have become firmly convinced that milk cows pay the largest returns on a given investment, both of money and effort; that hogs rank next and beef cattle third. Of course, poultry is an important item, but unless one specializes in it the volume is not great. I aim to feed the crops I produce and obtain my cash income from livestock. It is the safest way to farm in any agricultural section where reasonable profits are expected."



This Modern, Well Built Hog House is Made of Lumber Salvaged From a Silo Wrecked by the Wind Last Summer

Baruch Presents a Solution

Financier, at Suggestion of the Kansas State Board of Agriculture, Investigated Credit Needs of Farmers and Makes Recommendations

By Bernard M. Baruch

AGRICULTURE is the oldest and best known business existing today—and it is a business much like any other. Yet it has seen grow up around it younger giants of industry that could not possibly get along without agriculture; young giants that by organization and modern methods have destroyed the fair relationship between those who produce from the soil and those who produce from mine and factory.

Farmers at a Disadvantage

Other kinds of business have been centralized and concentrated to such an extent that the farmer finds himself buying at more or less controlled prices from great centrally directed industries, and selling in an unlimited competitive manner in a market over which he has no control. All around him in the modern world he is met with organization where production and selling are concentrated in specialized hands.

The statisticians of the Departments of Agriculture and Labor tell us that if prices of agricultural commodities were in a just relation to those of other commodities in 1913 they are now 36 points out of adjustment. That is to be determined, purchasing power of farm products or exchange value in other commodities—as for example, in France—is only 64 cents on the dollar as compared with what it was in 1913—and even then it was not equitable. An examination of the Department of Agriculture's figures will reveal the deadly effects of such economic injustice. Millions of good farmers on good land and with good crops are actually running their business, thru no fault of their own or the mischances of nature, at a loss that spells ruin if continued. Capital is being impaired and burdensome debts incurred to keep the farms going and the farm people and, indeed, all of us, clothed and fed. This distressing situation is partly due to the general upset of the world during the war and after, but it has been aggravated by the weakness of the rural financing and marketing, which have caused the farmer to absorb much, if not most, of the losses of maladjustment and readjustment.

Did Germany attack with what it was attack Germany?

Some time ago, at the invitation of the Kansas State Board of Agriculture and the American Farm Bureau Federation, I made an investigation into the financial and merchandising aspects of farming, and came to the conclusion that modern business methods and the growth of legislation had put the production and distribution of farm products out of line with the rest of the economic structure, to the disadvantage of agriculture. Being asked to suggest a remedy, it seems to me that the proper theory for correction should be based primarily upon the fact that without regular access to commensurate financing, modern business, with its highly specialized production and distribution, would be impossible. Agriculture needs like facilities in order to be placed upon an equality with all the other industries with which it has to deal. And in order to accomplish this, so far as access to credit is concerned, I have the following recommendations to make, regardless of whether you market cooperatively or as individuals—altho I do not hesitate to say that I am unqualifiedly in favor of co-operative marketing.

A new finance systems should be set up to increase the volume of three classes of rural credits: (1) Credit for the more orderly marketing of crops. (2) Credit for the purpose of raising and marketing cattle. (3) Credit for the productive purposes.

The basis of increased credits for more orderly marketing of crops should be the placing of the products in a modern warehouse or elevator where a neutral authority would register their grade and amount, and where a certificate would be issued for the amount so stored or warehoused.

The farmer, once in possession of this certificate, could take it to the present banking system and obtain credit upon it in much the same way as is now done; or to a new finance corporation which should be created for the purpose of lending money to the farmer, at the lowest obtainable rate of interest, for not exceeding one year, upon his note secured by this certificate representing marketable commodities.

Independent of Present Banks

The new institution, intended to be independent of the present banking system, would place the farmer's note, secured by his products, in its treasury, and issue its own obligations, as is now done by the Federal Land Banks in their field. The paper so issued should be discountable in the Federal Reserve System when having not more than nine months to maturity.

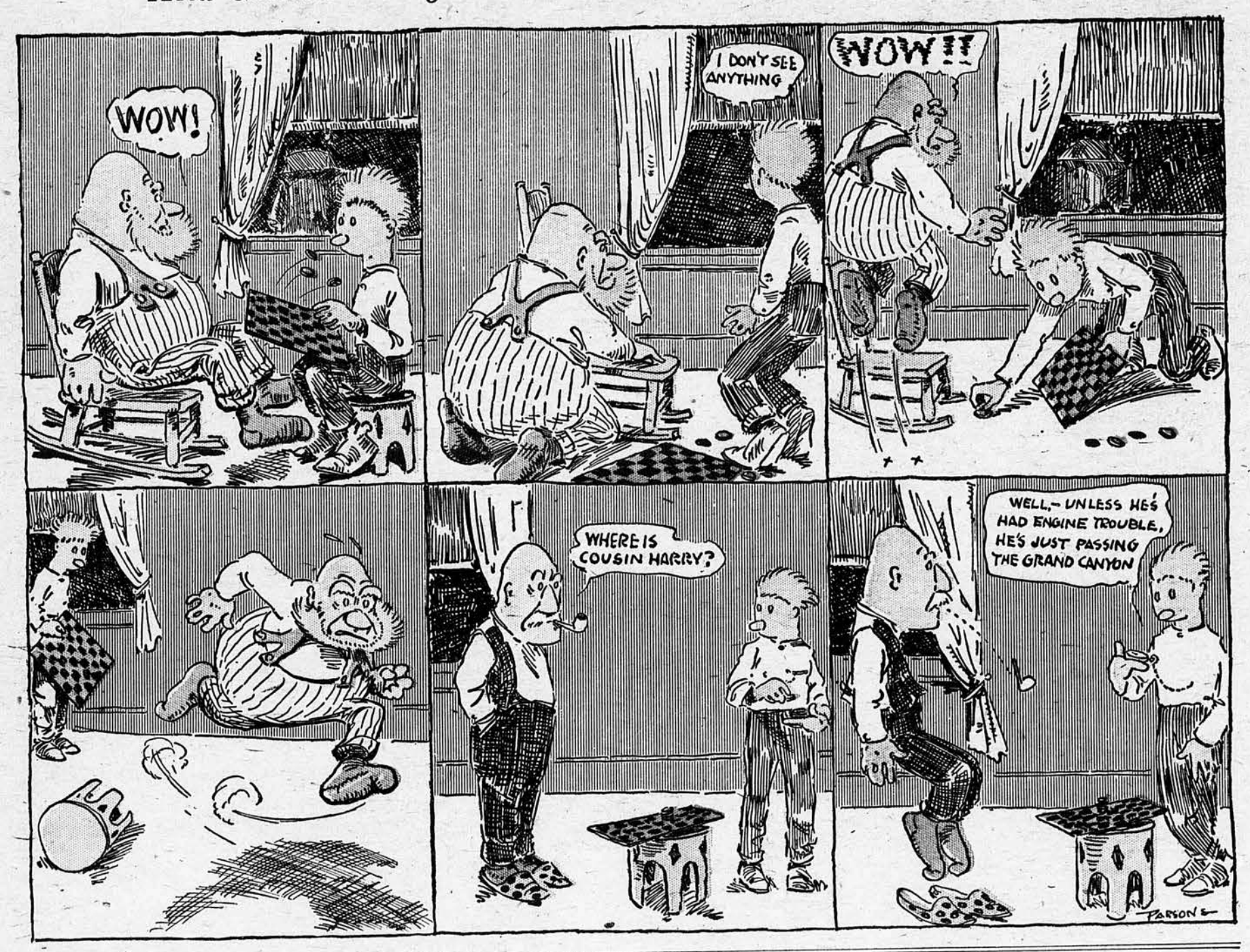
Paper issued by a federally regulated institution of this kind would have the widest kind of a market and would place the farmer who deserves credit in a position where he can obtain it at the lowest rates of interest in the credit markets of the world.

The basis of the issuance to cattle raisers would be, of course, the cattle,

(For Continuation turn to Page 19)

The Adventures of the Hoovers

Move Mystery! Cousin Harry's Dark Past Takes the Form of a Veiled Lady And Cousin Harry Takes an Unusually Hurried Departure



The Wreckers—*By* Francis Lynde

A Story of How Graham Norcross Developed the Pioneer Short Line Into an Honest and Efficient Railroad

(Copyright, Charles Scribner's Sons)

THAT'S excellent logic—bully good logic, if anybody should ask you! But we're fighting a condition, not a theory. Nobody wants P. S. L. common even at thirty-two. You wouldn't advise your worst enemy to buy it at that figure.

"I don't know," said the boss, musingly. "You're forgetting the water that's been put into it from time to time by the speculators and reorganizers; there has been a good deal of that, first and last. Nevertheless value for value, you know, and I know that the property is worth more than thirty-two, including the bonds. What I mean is that if anybody would buy the control at that figure—the control, mind you, and not merely a minority—and handle the road purely as a dividend-earning business proposition, he wouldn't lose money; he'd make money—a lot of it."

"All of which doesn't get us anywhere in the present pinch," returned the traffic manager. "I suppose we'll have to wait until Hatch makes his first move, and I've still got fight enough left in me to hope that he'll make it suddenly. Punch the button for me if anything new develops, I'm going back to swing on to my telephone."

Following this talk with Hornack there was a try-out with Billoughby and Juneman, but as this three-cornered conference was held in the private room of the suite, I don't know what was said. A little farther along when the boss was once more whittling at the dictation, Mr. Van Britt strolled in. Mr. Norcross told me to take my bunch of notes to May and then he gave Mr. Van Britt his inning, starting off with: "Well how is the general superintendent this fine morning?"

Mr. Van Britt wrinkled his nose.

"The general superintendent is wondering, one more time, why under the starry heavens he is out here in this country that God has forgotten, scrapping for a living on this one-horse railroad of yours when he might be in good little old New York, living easy and clipping coupons in the safety-deposit room of a Broad Street bank."

The boss laughed at that, and I was glad to know he was still able to laugh.

"You've never seen the day when you wanted to renege, Upton, and you know it," he hit back. "Think of the perfectly good technical education you were wasting when I took hold of you and jerked you out here."

"Huh!" said our millionaire; "I've got other things to think of. I've just had two enginemen on the carpet for running over an old ranchman's pet cow. They said they couldn't help it; but I told them that under the 'public-be-pleased' policy, they'd got to help it."

Again the boss chuckled. "I believe you'd joke at your own funeral. Upton. You didn't come here to tell me about the ranchman's pet cow."

A Strike in View

"Not exactly. I came to tell you that Citizens' Storage & Warehouse is due to have a strike on its hands. The management—which seems to have got itself consolidated in some way—shot out a lot of new bosses all along the line on the thru train last night, and this morning the entire works, elevators, packeries, coal yards, lumber millers, and everything, are posted with notices of a blanket cut in wages; twenty per cent, flat, for everybody. The news has been trickling in over the wires all morning; and the last word is that a general strike of all C. S. & W. employes will go on at noon tomorrow."

"That is move number one," said the boss. And then: "You have heard that the Hatch people have reached out and taken in the C. S. & W.?"

"Hornack was telling me something about it; yes."

"It is true; and the fight is on. You see what Hatch is doing. At one stroke he gets rid of all the local employes of the C. S. & W., who have been drawing good pay and who might make trouble for him a little later on, and fills their places with strike-breakers who have no local sympathizers."

"But there will be another result which he may not have counted on," Mr. Van Britt put in. "The blanket cut serves notice upon everybody that once more the old strong-arm monopoly is in the saddle. The newspapers will tell us about it to-morrow morning. Also, a good many of them will be asking us what we are going to do about it; whether we are going to fight the new monopoly as we did in the old, or stand in with the graft, as our predecessors did."

"We needn't go over that ground again—you and I, Upton, said Mr. Norcross. "You know where I stand. But the conditions have changed. We have been knifed in the back." And with that he gave the stocky little operating chief a crisp outline of the new situation precipitated by the Dunton-Collingwood political bribery

Mr. Van Britt took it quietly, as he did most things, sitting with his hands in his pockets and smiling blandly where Hornack had exploded

in wrathful profanity. At the wind-up he said:

"Old Uncle Breckenridge is one too many for you, Graham. You can't stand the gaff—this new gaff of Hatch's; and neither can you go before the people as the accuser of your president—and hope to hold your job. The one thing for you to do is to lock up your office and walk out."

"Upton, if I thought you meant that—but I never know when to take you seriously."

"The two enginemen who ran over the ranchman's pet cow had no such difficulty, I assure you. And isn't it good advice? You know as well as I do, that Chadwick is holding you here by main strength; that you can never accomplish anything permanent while Dunton and his cronies are at the steering wheel. It might be different if you had the local backing of your constituency—the people served by the Short Line. But you haven't that; up to date, the people are merely interested spectators."

"Go on," said the boss, frowning again.

"What's the Answer?"

"They have a stake in the game—the biggest of the stakes, as a matter of fact—but it isn't sufficiently apparent to make them climb in and fight for you. They are saying, with a good bit of reason, that, after all is said and done, Big Money—Wall Street—still has the call, and any twenty-four hours may see the whole thing slump back into graft and crooked politics."

"It is so true that you might be reading it out of a book," was the boss's comment. And then: "What's the answer?"

Mr. Van Britt shook his head. "I don't know. If you had enough money to buy the voting control in P. S. L. you might get somewhere; but as it is, you're like a cat in Hades without claws."

"Tell me," said Mr. Norcross, after a little pause: "You're a native New Yorker: do you know this man Collingwood?"

"Only by hearsay. He is what our English friends call a 'blooming bounder'; fast yachts, fast motor cars, the fast set generally. It's a pretty bad case of money spoil, I fancy. They say he wasn't always a total loss."

"Did you ever hear that he was married?"

"Oh, yes; he married a Kentucky girl some years ago; I don't remember her name. They say she stood him about six months and then dropped out. I suppose he needs killing for that."

At this the boss went a step farther saying: "He does, indeed, Upton. I happen to know the young woman."

That was when Mr. Van Britt fired his own little bomb-shell. "So do I," he answered quietly.

"But you said you had forgotten her name!"

"So I have—her married name. And what's more I mean to keep on forgetting it."

There was no mistake about the boss's frown this time.

"That won't do, Upton," he said, kind of warningly.

"It will do well enough for the present. I'd marry her tomorrow, Graham, if she were free, and there were no other obstacles. Unhappily, there are two—besides the small legal difficulty; she doesn't care for my money—having a little of her own; and she happens to be in love with the other fellow."

I guess the boss was remembering what Mrs. Sheila had told him in that confidence before the back-parlor fire about its being all off between her and Collingwood, for he said: "I think you are mistaken as to that last."

"No, I'm not mistaken. But that's neither here nor there. Neither you nor I can send Collingwood to the penitentiary—that's a cinch. Wherefore, I'm advising you to quit, walk out, jump the job."

At that the boss took a fresh brace, righting his swing chair with a snap.

"You know very little about me, Upton, if you think I'm going to throw up my hands now, when the real pinch has come. A while back I might have done it, but now I'll fight until I'm permanently killed. I have a scheme—if it could only be worked. But it can't be worked on a rising market. I suppose you have seen the morning's quotations. By some trick or other, the Dunton people are boosting the stock again. It went up three points yesterday.

Discounting the Political Deal

Mr. Van Britt grinned. "They're discounting the effect of this little political deal—which will at least rope your reform scheme down, if it doesn't do anything else. What you need is a good, old-fashioned cataclysm of some sort; something that would fairly knock the tar out of P. S. L. securities and send them skittering down the toboggan slide despite anything Uncle Breckenridge could do to stop them; down to where they could be safely and profitably picked up by the dear public. Unfortunately, those things don't happen outside of the story books. If they did, if the earthquake should happen along our way just now, I don't know but I'd be disloyal enough to get out and help it shake things up a bit."

After Mr. Van Britt had gone, the boss put in the remainder of the day like a workingman, skipping the noon luncheon as he sometimes did when the work drive was extra heavy. Meanwhile, as you'd suppose, rumor was busy, on the railroad, and also in town.

By noon it was well understood that there had been a radical change in the management of C. S. & W., and that there was going to be a general strike in answer to the slashing cut in wages. I slipped up-town to get a bite while Fred May was at the dictation desk, and I heard some of the talk. It was pretty straight, most of it—which shows how useless it is to try to keep any business secrets, nowadays.

For example: the three men at my table in the Bullard grill-room—they didn't know me or who I was—knew that a council of war had been called in the railroad headquarters, and that Ripley had been pulled in by wire from Lesterburg, and that we were rushing around hurriedly to provide storage room for the wheat shippers in case of a tie-up, and that we were arranging to distribute railroad company coal in case the tie-up should bring on a fuel famine.

They were facts. The boss hadn't been idle during the forenoon, and he kept up the drive straight thru to quitting time. Word was brought in during the afternoon by Tarbell that the Hatch people were wiring the Kansas City and Omaha employment agencies and placing hurry orders for strike-breakers. The boss's answer to this was a peremptory wire to our passenger agents at both points to make no rate concessions for the transportation of laborers under contract. It was a shrewd little knock. Labor of that kind is hard to move unless it can get free transportation or a low rate of fare, and I could see that Mr. Norcross was hoping to keep the strike-breakers away.

When six o'clock came, the boss asked

(Continued on Page 17)

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Modern Farming in Kansas

BY HENRY K. APPERSON

C. G. Buvinger of Chetopa Purchased 20,152 Pounds of Pecans in One Day; Cost $3,627

CHETOPA is the biggest pecan market center in Kansas. In one day recently C. G. Buvinger purchased 20,152 pounds of pecans, for which he paid $3,627. One other day he purchased 16,000 pounds, another day 12,000 and many days he purchased as much as 8,000 pounds. The pecan growing industry is becoming of increasing importance in Southeastern Kansas.

Kanota Leads in Franklin

Farmers in Franklin county have about 7,000 bushels of Kanota oats for sale. The crop has done remarkably well there, as indeed it has in almost every community in Kansas where it has been tried. The successful results in Franklin led Joe Robbins of Ottawa, the county agent, to declare, enthusiastically, that "here in Franklin county we have a larger number of growers of Kanota oats, a larger acreage and a larger amount of seed for sale than any other county in Kansas."

Gain in Cow Testing Work

There were 513 cow testing associations in operation in the United States last year including 12,458 herds and 215,321 cows, as compared with 452 associations the previous year. Wisconsin and Minnesota, two of the greatest dairy states, showed great gains in testing associations. During the year the number in Wisconsin grew from 103 to 127, and in Minnesota from 23 to 37.

To Boost Poultry Raising

The White City poultry breeders put their recent show over with a wallop, with 35 breeders exhibiting. E. A. Vermillion was manager. The officers for the coming year are A. P. Loomis, Diamond Springs, president; Roy Valentine, Council Grove, vice-president, and Mrs. George Hebrank, Council Grove, secretary.

Light From the Wind

H. A. Pennington, who lives 3½ miles south of Hutchinson, has a wind electric light plant on his farm which really works. It provides light for the house and barn, and power for pumping, churning, grinding feed and cooking. There is a 12-foot wheel on a 40-foot tower. It will operate in an 8-mile wind; when the wind gets up to 30 miles the plant is shut off automatically. Harry H. Taylor, also of Hutchinson, has a plant that is somewhat similar.

Extra Feed Was Saved

Perhaps the most interesting exhibit at the International Live Stock Exposition in Chicago, last month, was the one on culling poultry. Certainly it attracted a huge amount of attention. In one pen were shown 12 hens, not culled, which produced 100 dozen eggs in a year, at a feed cost of $20.70. The next pen showed eight hens from which the cull birds had been removed; these also produced 100 dozen eggs in a season, at a cost for feed of $13.50. A nice margin of profit!

Joe Finds That Purebreds Pay

Joseph Crow, aged 13, of Hunnewell, has accumulated a herd of 42 purebred Hampshire hogs, worth $800, from an investment of $75 in a purebred sow two years ago. He won $162 at two fairs last fall.

Where Graft May Enter

After wool is scoured and cleaned there is 41 per cent of the original weight left on an average; 59 per cent has disappeared. But this 41 per cent average is not a constant quantity; it may vary from 30 to 70 per cent. This is why real brains is necessary in marketing; it is why a wool pool, in charge of a wool specialist, has such a good chance for success, if he is a real business man.

Kanota Oats, 13.8 Bushels More

The average yield of all the tests of Kanota oats in Kansas, 1916 to 1922, was 56.4 bushels an acre. Comparative tests of Red Texas oats in this same time gave a yield of 42.6 bushels, or 13.8 bushels less. Is any futher argument needed for increasing the acreage of the Kanota variety just as rapidly as possible?

We Can't Eat the Corn

About 2¾ billion bushels of corn were grown in the United States in 1922. This is 26 bushels for every man, woman and child. Obviously no one can eat 26 bushels of corn in a year, but he can eat the meat it will produce. The 60 million hogs, 66 million cattle and 35 million sheep provide a great reservoir into which our huge grain and roughage production is fed, to be taken out as needed. Did you ever notice that famine never comes to the great livestock countries? Food shortages are known only in the grain countries like China and India.

Away With Chinch Bugs

Kansas has been fairly well organized this winter for the war on chinch bugs, especially in the counties which have farm agents. In the Globe school district northeast of Centralia the farmers organized recently and burned all the fence rows and other winter homes of these pests.

Andy is the President, Anyway

Kansas may not be such a "whale" of a sheep state. But on the other hand the sheep business is certainly increasing in an encouraging way. One of the big men who has led in this movement is A. M. Paterson, of the animal husbandry department of the Kansas State Agricultural College, elected last month as president of the American Dorset Horned Breeders' Association. His election to this important office was a definite tribute to the aggressive work he has done in developing sheep breeding. Mr. Paterson is one of the real agricultural assets of Kansas.

The Steer Was Merely Surprised

Kansas steers are sturdy. That fact was clearly demonstrated near Spearville a few days ago when a party of Iowa tourists traveling thru Ford county encountered a steer in the middle of the road. Their automobile was wrecked and four of the passengers were badly injured. The steer, according to the travelers, switched his tail, glared at their mix-up in apparent disgust and approval and sauntered off.

He Believes in Honeydews

Fred Kohler of Goodland had excellent results in 1922 from a small patch of Honeydew melons. He will plant 4 acres of them next spring.

Do You Know Your Eggs?

THE slang-slingers used to say that a fellow who knew his business "had something on the ball." Now they say he "knows his eggs." This is a pat phrase for the poultry industry where it is literally true if one is a successful poultry raiser. But we wonder how many know an egg or two that the other fellow has not discovered. Our issue of January 27 will be our Annual Poultry Edition and in that issue we will publish letters from poultry raisers who really "know their eggs." Do you know a better way to feed for eggs? A better method of marketing? These are only a few of the topics that you might write about. There are scores of others, for nearly every poultryman has some one phase of the business that he feels he does just a little better and more successfully than the other fellow. What's your pet phase?

For the three best letters on the Production and Marketing of Farm Eggs, received on or before January 18, 1923, the Kansas Farmer and Mail and Breeze makes the following offer:

First prize, $2.50 in cash; second and third prizes, a splendid edition of "The American Standard of Perfection" which every poultry breeder should possess. All letters should be addressed to the Poultry Department, Kansas Farmer and Mail and Breeze, Topeka, Kan.



Ayrshire Champion Producer

J. H. FRANDSEN

The record of Garclaugh May Mischief is held up as a worthy illustration of the adaptability of the Scotch cow. She was born February 1906, in Scotland and gave birth to two calves, a son and daughter, before emigrating to this country—Penshurst Farm, Narberth, Pa.

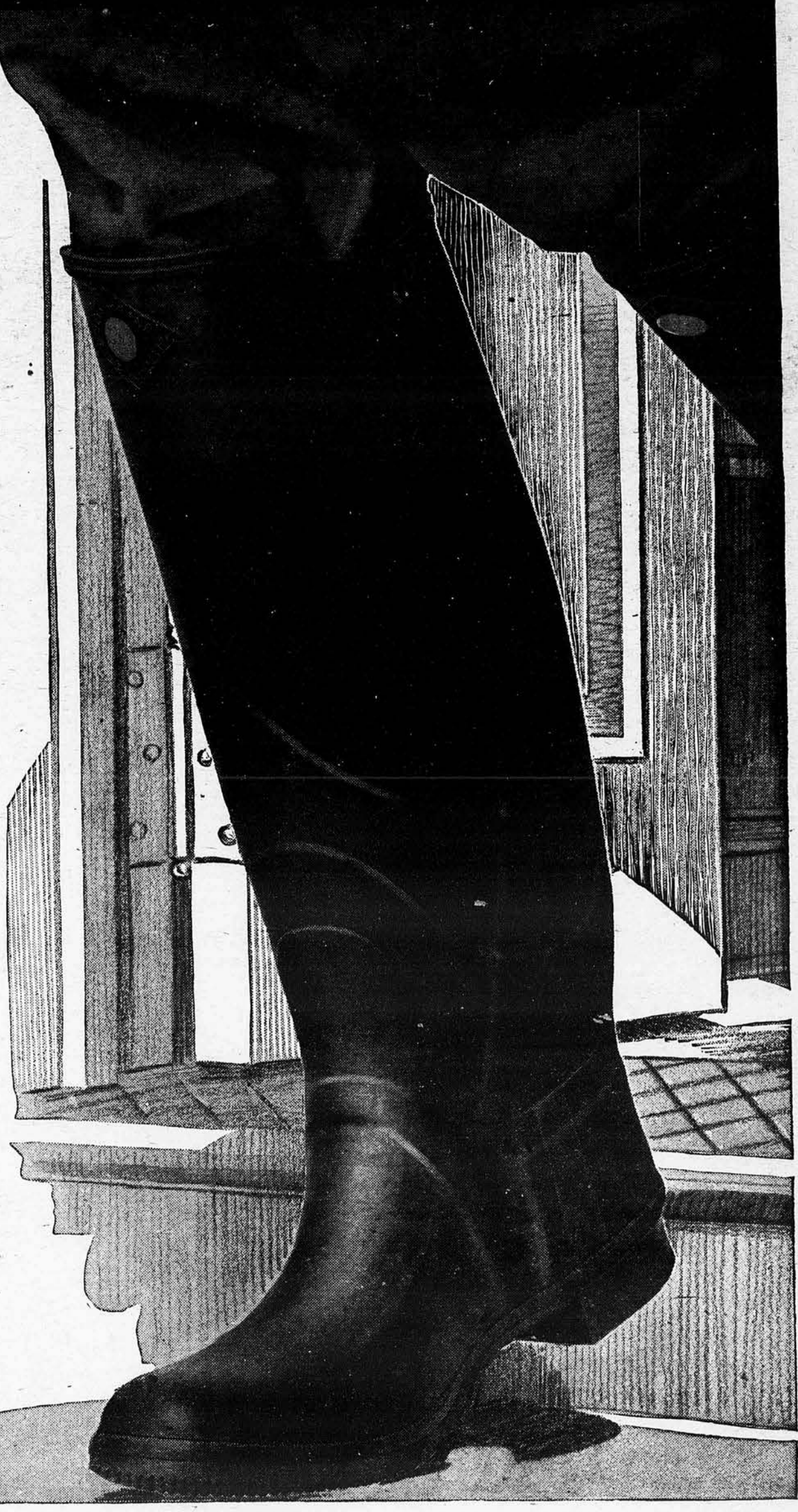
May Mischief has given birth to a calf every year since 1909, excepting 1915, when 15 months lapsed between freshenings. During 12 of the 15 months, she was making her world's record production of 25,329 pounds of milk, 895 pounds of butterfat. In 175 days she has produced 7,348 pounds of milk, 250 pounds of butterfat.

Not only has May Mischief proved a great producer, but her offsprings have inherited this characteristic. Her first five daughters born at Penshurst have official records, and her oldest bull now has six daughters in the Advanced Registry. For 10 years May Mischief has made an average return over the cost of feed of $317.30, the total return from milk being $4,548.83, and the cost of feed $1,375.77.

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, Kan.

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BIG BARGAINS

12 Concord Grapes 1 year $1. 12 Blackberries, $1. 20 Red or Black Raspberries, $1. 3 Bridal Wreaths, $1. 3 Rosebushes, $1. 12 Apple Trees, 4 feet average, $3.15. 100 Evergreen Seedlings, $2.50. 5 Snowberries, $1. Many other bargains in catalog.

Earl Ferris Nursery Co.
560 Bridge St., Hampton, Iowa

Middle West Plains News

BY SAMUEL H. BROWNING

Farmers at Great Bend Organize a Livestock Shipping Association and Elect Officers

ORGANIZATION of a livestock shipping association by farmers at Great Bend has just been completed. The association will handle shipments of cattle, sheep and hogs. Frank McKinney was elected president, Will Koopman, vice president and W. D. Essmiller, secretary-treasurer.

Knight County Agent in Gray

Louis M. Knight has been elected county agent of Gray county to succeed County Agent Stinson who resigned to become agent in Pratt county. The Gray County Farm Bureau elected officers as follows:

Sam Robins re-elected president; John Henderson, vice president; Howard Good, secretary-treasurer; John A. Johnson was chosen as delegate to the Kansas State Board of Agriculture meeting in Topeka and Howard Good will represent the bureau at the state farm bureau meeting at Manhattan.

Colorado's Champion Spud Grower

Fred Diller of Center, Colo., a member of the Saguache County Potato club, is the champion spud grower of the state. Fred grew some mighty fine potatoes in club demonstrations, and when the state seed show was held in Colorado Springs recently he was urged to enter in competition with other Colorado potato growers. His entry took sweepstakes over all Colorado growers at the show. Among the exhibitors who played "second fiddle" to Fred were such well known farmers as E. F. Diller, father of Fred who has been called the San Luis Valley potato king, and Lou D. Sweet who is known wherever potatoes are known. This is but another example of Colorado youngsters beating their fathers at their own game.

Makes Money With Cows

George Bedor of Hollis has just finished his modern dairy barn which has 16 stanchions. Mr. Bedor considers farm dairying a more paying farm enterprise than the continuous cropping system. During 1920 he had an income of $700 from nine Shorthorn milk cows in their heifer year. "This is very good," says Theodore Yost, the county agent, "considering this record was made during their first lacatation period. Farm dairying has the advantage of furnishing labor for the farmer during the winter when otherwise there would be no income during that time."

Prizes for Dairymen

The board of directors of the Kansas City Chamber of Commerce has appropriated $1,000 to be awarded in four cash prizes to the county farm bureaus or county cow testing associations in Kansas or Missouri that will complete the largest number of dairy records on individual cows in 1923.

It is the purpose of the contest to encourage better dairying and the improvement of dairy cattle in the two states. The contest starts January 1. All counties in Kansas and those in Missouri east of Schuyler, Adair, Macon, Randolph, Boone, Cole, Miller, Pulaski, Texas and Howell are eligible to enter.

J. B. Fitch and C. R. Gearhart, Kansas State Agricultural College; P. H. Ross, county farm agent supervisor for Kansas, and E. M. Harmon, dairy specialist, extension department of the University of Kansas, with G. W. Catts, agricultural commissioner of the Kansas City Chamber of Commerce, will form a committee of supervisors.

The county in either state having the largest number of cows completing the yearly record will receive $500, the first prize. Three other prizes of $250, $150 and $100 will be awarded. At least 20 counties must compete in the contest.

Jewell Plans Poultry Show

The Third Annual Jewell County Poutry Association show will be held in about two weeks. The date has not been definitely decided. Members of the association met recently and elected the following officers. President J. J. Metz; vice president, Robert Reystead; secretary treasurer, K. D. Thompson. All breeders of purebred poultry are urged to exhibit birds.

A Good Way of Rating Cows

BY J. H. FRANDSEN

RECENTLY at a farm sale we saw 26 grade cows sold. Fourteen of them were in cow-testing associations and their records were announced by the cow-tester as the cows were led into the ring. The remaining 12 cows had no records of production.

The cows with known records averaged $122.06, while those that had not been tested averaged $65.75. Here is at least one definite proof that it pays to know what your cows are doing. But after you join a good cow-testing association, you will quite likely find a lot of even better reasons why cow-testing work pays on every farm.

Whitewash That Will Last

From earliest times, the simple form of whitewash consisted of suspension of milk of lime. Within recent years there have been developed certain improved types of whitewash thru the use of other ingredients. One of the best known of these is the Lighthouse Whitewash, and within the last few months a very desirable formula has been developed by the Chemical Department of the National Lime Association and is given here. Three formulas follow, the last two of which are the more durable:

1. Ordinary Whitewash.—Place about 10 pounds of quicklime into a vessel with 2 gallons of water. Cover the vessel with a piece of carpet or burlap and let it stand for about an hour, stirring, if necessary, to prevent burning.

If too little water is used, the lime will not be completely slaked or hydrated, and besides it may burn. Burned or scorched lime is generally lumpy and the mix is transparent after enough water is added to bring it to brush consistency. Too much water, on the other hand retards the slacking by lowering the heat.

By the addition of 4½ pounds of common salt the whitewash is considerably improved in penetrating power and durability.

A simpler way in which to prepare this whitewash is to mix ordinary commercial hydrated lime with water until the proper brush consistency is obtained.

2. A More Durable Whitewash—For a more durable whitewash, especially for exterior use, combine 50 pounds of hydrated lime (or 38 pounds of quicklime), 3 pounds of sodium phosphate (or soda ash may be substituted), and 5 pounds of casein with 9½ gallons of water. It is best prepared by dissolving the casein in the solution of sodium phosphate and then add this composite to the cold milk-of-lime.

3. The Lighthouse Whitewash.—Make a thin paste of 50 pounds of hydrated lime in boiling water or slake ½ bushel of quicklime in about 7½ gallons of water, keeping the vessel well covered and stirring occasionally. Add 1 peck of common salt dissolved in hot water, 3 pounds of rice flour boiled to a thin paste and stir in while hot, ½ pound of Spanish whiting, and 1 pound of clear glue thoroly dissolved in boiling water. Mix well in the order given.

Before using, let the mixture stand for several days when application should be made as hot as possible with a brush or spray. This formula is more suitable for interior than for exterior use.

Two Prairie Chicken Stories

"Charlie Reno went chicken hunting recently," says the editor of the Satanta Chief, "and promised to trade the editor a wild chicken for a tame chicken, but we have been unable to complete the deal yet."

Frank Pinet tells us the best chicken story we have heard in several years. He says he was down in Woodson county recently; that Harry Ashley took his friends in charge, and led the way to a wild meadow where the party got seven prairie chickens. That should fill a lot of Kansas hunters with envy.

Capper a Farm Product

From the Buffalo Courier

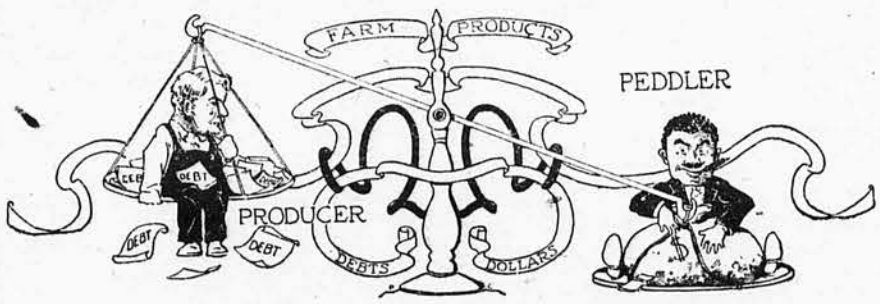
In 1884 a Kansas farmer boy, 18 years old, called at the office of the Topeka Daily Capital and applied for work. The next day he began to learn to set type. He now owns the paper; also another daily paper; five weeklies; also three semi-monthlies, and two monthlies.

He is a United States Senator, and is head of the Farm Bloc. A considerable achievement in 38 years. But it should be said that he had had the advantage of having been a printer's devil in a country printing office at 50 cents a week. And Senator Arthur Capper is still achieving, still pursuing, with a heart for any fate.

Cash For Farm Devices

Every farmer at some time has made with ordinary tools some valuable labor saving device in which all of our readers would be very much interested. For the five best devices submitted a prize of $1 in cash will be given and 50 cents apiece will be given for the second five best devices received. Send all sketches to Frank A. Meckel, Farm Engineering Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.

The Annual Farm Inventory



The Farmer Pays More Than His Share of Taxes While the Ignorant Foreign Peddler Dodges This Burden, Piles Up a Fortune and Buys Farm Mortgages



What's under the rubber?

—hidden weakness or rugged strength?

Get the inside story before you buy your boots

There's nothing mysterious about the wear of a boot—

You get just as much wear *out* of it as the maker builds *into* it.

What's built under the smooth rubber surface? Is it rugged strength or hidden weakness?

In the illustrations below we're making just as plain as diagrams can, what's "under the rubber" in a "U. S." Boot.

We've picked out the four points where boots get the hardest wear—ankle, back of the heel, instep and sole.

Notice the strong reinforcements built into U. S. Boots at every one of these points!

We've been making rubber footwear for 75 years. We don't just *buy* rubber—we actually produce on our own plantations the finest grade that can be grown. Our factories are manned by the most experienced boot makers in the country—craftsmen who know the importance of painstaking care. And we're proud of the results—and of the satisfaction farmers take in them.

Other Footwear in the big "U. S." line—all built to give the utmost service

You'll find every type of rubber footwear in the big U. S. line. There's the U. S. Walrus, the famous all-rubber overshoe—the U. S. lace Bootee, a rubber workshoe for spring and fall—U. S. Arctics and Rubbers—all styles and sizes for the whole family. Look for the "U. S." trademark whenever you buy—the honor mark of the oldest rubber organization in the world.

Trade



Mark



THE ANKLE—*Here the "U. S." Boot has an extra "collar" that runs all the way round the leg, and on top of that is vulcanized a heavy side-stay.*



THE INSTEP—*A series of graduated reinforcing layers in the instep combines unusual flexibility with surprising strength.*

United States Rubber Company



BACK OF THE HEEL—*Eleven layers of heavy duck and highest grade rubber make this one of the strongest points of the whole boot.*



Extra heavy flange sole

THE SOLE—*A thick, single layer of the finest, toughest high-grade rubber. Its flange shape means extra protection and wear. A rugged outside foxing unites the sole and the upper into one solid piece.*

Ask for "U.S." Boots



Rosy Cheeks *and* Sparkling Eyes—

GOOD health, the signs of which are so plainly written in looks and action, comes from within—the natural result of right food, such as Grape-Nuts.

Crisp, delicious and soundly nourishing—easily digested and quickly assimilated—Grape-Nuts brings happy smiles at the breakfast table and happy feelings afterward.

All the family will thank you for including Grape-Nuts in your grocery order today. It's ready to serve in a moment with cream or milk.

Grape-Nuts

—THE BODY BUILDER

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If you operate any Farm Light and Power Plant, you want to know about our special Battery Exchange Offer. We take your old, spent batteries, make you a liberal allowance for them and renew your plant with the famous Universals, specially designed for your particular plant. These time-tested long lasting batteries deliver a constant dependable flow of current. They make your lights burn brilliantly and steadily—no flickering—and provide abundant reserve power for heavy duty. As standard equipment on many of the best Farm Light Plants, thousands of them are now giving uniform satisfaction everywhere.

521 Experiments

Don't buy an unproven battery. Twenty years of successfully building batteries for every kind of use are behind every Universal. 521 costly experiments throughout these years, have developed these truly wonderful all-duty powerful batteries. Universal sealed glass jars are oversize, use low gravity acid, making plates last longer. Extra-size sediment space—no cleaning necessary. Universal Batteries come to you fully charged and sealed—ready to connect right up to your plant—no assembling.

We also make Radio and Automobile Batteries and Repair Parts For Any Make Battery.

Battery Guide Sent FREE

No matter what kind of Plant you have, this interesting book will show you just how to renew the system with Universal Batteries. The right size for every Farm Power and Light System made. It also lists Parts for all makes of batteries. "Care of Batteries" is another valuable treatise; will also be sent free with the new Universal Battery Guide. When you write, mention brand-name and age of your present batteries so that we can give you the correct allowance figure. Write today. (133)

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FIGARO CHEMICAL CO.
Dallas, Texas

Jayhawker's Farm Notes

By Harley Hatch

The Radio Set Installed on the Jayhawker Farm Picks Up Market Reports and Concerts

WE CAN recall many Christmas days during the last 40 years but none was as warm as the one just past. When the mercury stands at 68 above, as it did here Christmas day, one thinks more of early October than of late December. It is now well along in January and since Christmas, ice has scarcely formed in the water tanks. The last three years bring to my mind the three years from 1895 to 1897 inclusive when the mercury did not reach zero here; often in January of those years we had no fire in the house and often the door stood open.

Some say that a hard winter precedes a good crop and that a mild winter is almost certainly a sign of a poor one but that did not prove true in the late nineties and it did not prove true in 1920-21 or 1922. And for the satisfaction of those who think a cold winter a harbinger of a good crop I have only to say that we have January, February and March yet before us, so we cannot yet call this a mild winter.

Radio Set for Jayhawker Farm

Santa Claus brought to this farm a radio set which was immediately erected. Just as soon as the aerial was up and connected, we "tuned in" and got Schenectady, N. Y. the first thing. We listen by means of headsets but already planning has begun for "two stages of amplification" and all the rest that goes with it. The aerial is on 2 by 6 pine sticks 26 feet tall. This seems high enough, as there is nothing to interfere out here in the country. The stations that come in loudest are those of Kansas City and Emporia, of course, but we plainly hear concerts from Detroit, St. Louis, Atlanta, Davenport and many other places and twice we have "picked up" Havana, Cuba. These sets have considerable value besides providing entertainment as over ours we get all the markets several times a day besides several weather forecasts.

Board Likes Concrete Culverts

Our township board settled up their affairs this week preparatory to turning over the business to the new board next Monday. During the year we expended in round numbers about $8,000, a large proportion of it going for concrete bridges and culverts.

This concrete work is very substantial and no doubt will be giving service 100 years from now. We thought it better to put a larger proportion of our funds into concrete than into grading; our idea has been to fix the bad places first, for a low, muddy place in an otherwise good road is like a worthless link in an otherwise good chain. We did not run the township in debt for we turned over to the new board a balance of $46 in a local bank, $50 in the general fund and $200 in the poll tax fund in the county treasury.

It is not being honest with the taxpayers or with the new township board to handicap them with a debt which will take a large part of the next year's revenues to pay. Six years ago this township had a floating debt of $5,560 besides a bonded debt of $3,000 and it has all been paid and the township is free from debt with a small amount in the treasury. It is only fair to say, however, that the bonded debt was paid by a sinking fund raised over a series of years, so that the amount of $3,000 has not all been raised in the last six years.

An Unfair Tax Arrangement

One of the things which does not seem quite fair to me is the fact that villages of a few hundred people, called here in the West "cities of the third class" pay no township road tax at all yet they vote for, and often elect, officers who have the expending of this road fund. It would be quite possible for a village to elect the entire township board who would have sole charge of the expending of the road fund, not a dollar of which they had paid. In old times our forefathers fought because they had "taxation with representation" but today nearly all our Kansas villages have "representation without taxation." If the small towns pay no township road tax they should not be given the authority to spend the money and to say where it should be spent. This is something the new legislature should look after.

Changed from Beef to Milkers

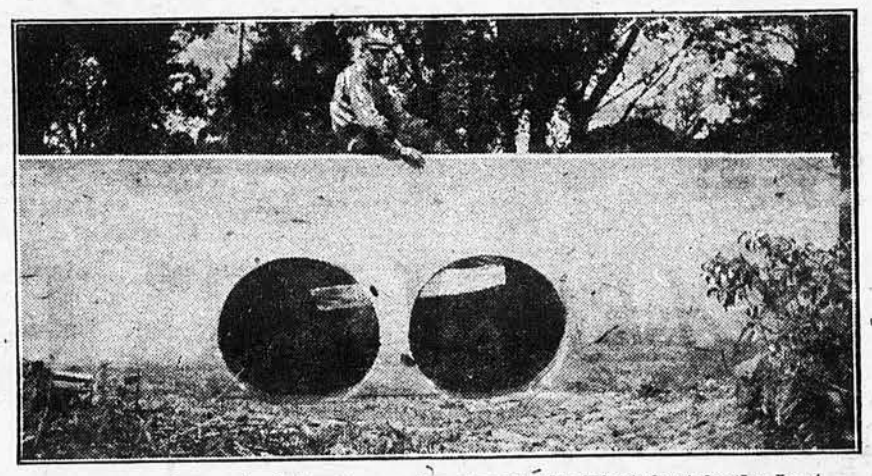
(Continued from Page 3)

foot driveway. The north addition is turned over to the cows. This section is equipped with steel stanchions, and cement troughs, gutters and floor. The cows face out, half one way and half the other. The stalls are 3 feet 6 inches wide, and 5 feet long. The floor of each stall is 1 inch lower at the front than at back to prevent the cows slipping. Between the two rows of cows is a driveway which is 3 inches lower than the floor on which the cows stand. This is to make the drainage better, and to make cleaning easier.

On a direct route from the barn to the hog houses is the milk house, and after the electrically driven separator has done its work, it is very little trouble to carry the skimmilk the few steps to the hogs. The light plant in one part of the milk house supplies power for separator, washing machine, iron, sweeper, and the lights which are to be found in every building on the farm. The 160-ampere storage battery makes it necessary to run the engine in connection with the light plant only once a week in summer and twice in winter. A pressure water system now is being installed, and soon there will be no more water to carry.

The Holsteins are helping Mr. Roney and son build, and they are going to see that the Holstein herd is well developed. "Anyone getting anywhere today with Holsteins must have production records," is the way they put it, "and we are working to have our herd records complete. Our aim is to have every cow in our herd with an Advanced Registry Record."

Even tho spring planting is best for fruit trees in sunny Kansas, that's no excuse for delaying the order for the nursery stock you need.



So Far as Concrete Culverts are Concerned, the First Cost is the Last, and They Always Endure For a Great Many Years

Farm Organization Notes

BY RURAL CORRESPONDENTS

County Agent Work Continues to Advance in Northern and Western States at Usual Rate

SHOULD county agent work continue to advance in the 33 Northern and Western states at the average rate it has maintained during the last 11 years, or since its beginning, every county in these states will have a resident agent within the next three years. Of the 1,616 agricultural counties in these states, 1,239 have agents, according to the report issued by the United States Department of Agriculture as Department Circular 244 entitled: "Status and Results of County Agent Work in the Northern and Western States, 1921."

Farmers Market Their Own Stock

At a meeting of the Walnut Shipping Association, of Walnut, Kan. recently, the business agent, J. H. Balla, reported that he had shipped 21 cars of livestock since February 7, 1922.

This stock was entirely consigned to the Farmers Union Live Stock Commission at Kansas City and consisted of 680 sheep, 281 cattle and 839 hogs. They were very satisfactorily handled by the Kansas City firm.

The farmers were paid a total of $22,001.20. Mr. Balla will continue as shipping agent and G. H. Beech was elected to help him in the future.

Cloud County Plans Club Work

Nineteen-twenty-three promises to be the best year for club work in Cloud county, says T. F. Yost, the county agent. M. H. Cor of the Club Department of the Agricultural College, was in the county two days recently, assisting the county agent in starting some livestock clubs. The high school boys at Simpson are interested in having a "Sow and Litter" club. At the present time there promises to be at least six of these clubs in the county, in addition to some clubs in pig feeding, baby beef, poultry and sewing for the girls.

Poultry Show in Topeka

Forty-eight members of the Topeka Poultry Breeders' Association assisted in entertaining the members of the Kansas State Poultry Breeders' Association at the 34th annual show of the organization which was held January 8 to 13 at the city auditorium in Topeka.

Twenty-five hundred birds of various breeds and sizes from all parts of the state and many adjoining states were on exhibition. A number of the birds have won prizes at other state and national shows.

Implement Men Meet January 16

The 34th annual convention of the Western Retail Implement and Hardware Association will be held in Kansas City, January 16-18 and will bring to Kansas City one of the largest assemblages of hardware dealers ever held in the Southwest.

The program is to be augmented by a large exhibit, which will include electrical goods, sheet metal products, stoves, furnaces, automobile accessories and similar goods.

Heads Stock Breeders

Anton Peterson, Shorthorn cattle breeder of Lindsborg, Kan., has been elected president of the McPherson County Breeders' Association. He succeeds B. R. Anderson, of McPherson. V. M. Emmert, county agent, was chosen secretary, and Edwin Holt, breeder, of Marquette, was elected treasurer.

Many Farm Loans Made

Placing loans in excess of 230 million dollars, the Federal Farm Loan System experienced its greatest period of expansion in 1922, Commissioner Lobdell, of the Federal Farm Loan Board, declared tonight in the New Year's greeting to American farmers. The year's record for extension of credit represents loans more than double the amount placed in any one year since the initiation of the system.

The expanded operations culminated in the declaration of dividends by six of the more prosperous farm loan banks aggregating more than 1 million dollars, Mr. Lobdell declared. The other land banks paid their regular dividends of 8 per cent, he reported.

"We believe this distribution to farm borrowers is a transaction without precedent in the history of agricultural finance," the commissioner said in a statement on behalf of the board.

Wheat Growers Distribute $300,000

A sum of approximately $300,000 in checks has been mailed to members of the Oklahoma and Texas Wheat Growers' Associations, according to an announcement by John Manley, secretary of the Oklahoma organization, which has headquarters at Enid, Okla.

Of this amount, more than $200,000 will go to members in Oklahoma and the remainder to Texas. This is a future payment on all wheat delivered prior to October 1, paid on basis No. 1 at 70 cents hard and soft wheat. This brings the total payment at the present time to 70 cents a bushel. Additional payments will be made from time to time as the pooled wheat is sold and money accumulated with which to make the payments. The year's average will be well over the dollar mark and show the members a profit over the old method, association officials declare.

Youngest Grange Officers in Kansas

Well posted observers declare the belief that Kansas this year has the youngest set of Grange executives of any state. Five officers, C. C. Gogswell of Kingman, William Cooke of Leavenworth, Ray Nickolson of Moline and Mrs. Doris York of Shawnee county, are all not yet 30 years old.

LET US PAY HALF YOUR COAL BILL

That's a mighty generous offer, isn't it? Yet we do more than that when we install a QUICK-HEAT BURNER in your home. The most remarkable HEATING and COOKING device ever invented. Burns coal, wood, briquets or any other solid fuel. Heats in a jiffy and saves half the fuel cost. Doesn't have to be installed—sits on top the stove. Eliminates dirt; is perfectly safe and costs but $3.75. Greatest home device invented since the vacuum sweeper. WRITE TODAY FOR FREE TRIAL OFFER. SUNAKER SALES CO., 734-B South Olive St., Los Angeles, Calif. County Representatives Wanted.





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Burn all kinds of coal. Also Wood and Coal Furnaces having 16x16 in. doors. 27 years on the market. Mail sketch of your building for full information.
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Worn by millions for their unusual service!

Goodrich "Hi-Press" Rubber Boots and Gaiters with the Red Line 'round the top—

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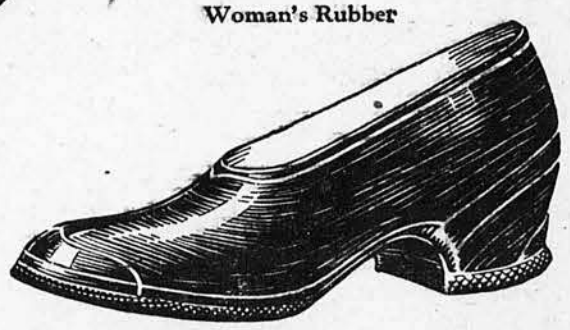
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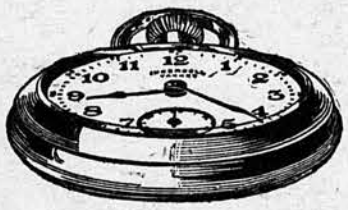
Ingersoll

Ideal for Farmers

HAVE you a good watch? If not, go see the Ingersoll line at any store that carries Ingersolls.

Ingersolls keep good time—and that after all is the real purpose of a watch. They are good-looking, but not fancy.

The prices range from $1.50 to $9.00. About half the models are Radiolites that tell time in the dark.



Models $1.50 to $9.00

GOOD FARMING PAYS

Every farmer wants to save labor, time, seed, horse-power, and raise bigger crops. The WESTERN, 3 machines in 1, will do all of this. It has proven it to thousands. It pulverizes and packs as deep as plowed, leaves a loose mulch on top, makes a perfect seed bed in one operation. Get 5 to 10 bushels per acre more by rolling winter wheat and other growing grain in the Spring, whether soil is loose or hard crusted and cracked. The WESTERN has no equal for this work or for covering clover and grass seed.

MADE IN 13 SIZES, 1 & 2 SECTIONS



Get our FREE Catalog. It proves our statements, explains construction and work, why it produces better results than any other roller. Contains letters from farmers using it and other valuable information. "Worth its weight in gold." Our low price direct will surprise you. Write today for book and price, freight paid.

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25¢ Dress Pattern FREE



Just send me your name and I will send you free and without obligation the pattern for this exquisite one-piece slip-on dress. A regular 25c pattern with full instructions for making and absolutely free! May be made of gingham, serge, taffeta, poplin or silk. Would cost ready made from $5.00 to $10.00. Make it yourself in two or three hours and save two-thirds. Stunning model with beautiful shawl color and wide sash tie. Collar, cuffs and large attractive pockets to be trimmed with contrasting material. Very easy to make. The season's leading style in a one-piece slip-on dress. Sent free for only your name and address. Sizes 36 to 44.

Book of Patterns FREE

I will also send you free and without obligation my latest book of new patterns just out showing over one hundred new Spring fashions, all patterns for which are given you free. Fashion book also contains hundreds of wearing apparel bargains for immediate and Spring wear.

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Scott & Bowne, Bloomfield, N. J. 22-48

When Radio Goes on Farms

Automobile Storage Batteries are Adapted to Use With Radio Receiving Sets

BY FRANK A. MECKEL

IT WILL not be long before the farm without a radio receiving set will be considered as isolated as the farm without a telephone or an automobile.

So rapid has the development of radio communication been that the supply of apparatus has not begun to catch up with the demand. Users of radio receiving sets who started out with the idea of indulging in a little extravagant amusement, have come to realize the tremendous value and utility of radio in their everyday programs.

It is not at all strange that the majority of this country's radio sets are at present owned by people living in the cities. The same was true in the early days of the automobile and every other modern convenience. Folks on the farm seem to be the last ones to take up these things, and there is perhaps a reason.

In the case of radio, the reason advanced by most farm folks for not installing radio sets is that there are but few farm homes electrically equipped. This reason seems perfectly logical to a person who knows very little about radio receiving apparatus, but it really is no reason at all when the actual working of a radio set is understood.

Storage Battery Essential

The small crystal receiver with its limited receiving range requires no batteries or electrical equipment of any kind, but its greatest drawback is the fact that with it, one can receive from no greater distance than 25 to 50 miles.

The audion, or vacuum tube receiving sets require electrical current for their operation. They require a 6-volt current to heat the filament in the vacuum tube, and they require a 22½-volt current for the plate in this tube. The latter current is supplied by a 22½-volt dry cell battery which presents no problem other than that this battery must be renewed about once a year, perhaps twice. This at a cost of from $1.75 to $3.

The 6 volt current is usually supplied by a storage battery which requires charging at intervals. On farms which have 32-volt farm electric plants, three cells of the battery may be used for the filament current on the radio set, and no other storage battery need be purchased.

On farms not so equipped with electric plants, a battery must be supplied, but this 6-volt current can very readily be supplied by the automobile starting and lighting battery, and while only 5 per cent of the farms in Kansas are electrically equipped, over 70 per cent have automobiles and most of the cars have 6 volt storage batteries.

The single tube radio receiving set, since it has but one vacuum tube to light, requires less than one ampere for operation. An 80-ampere hour battery will supply such a set with current for 80 hours or more without recharging, so that if a separate radio battery is used, it need not be charged more often than once every two or three months, and then at a cost of 50 cents in case it is taken to a service station in town.

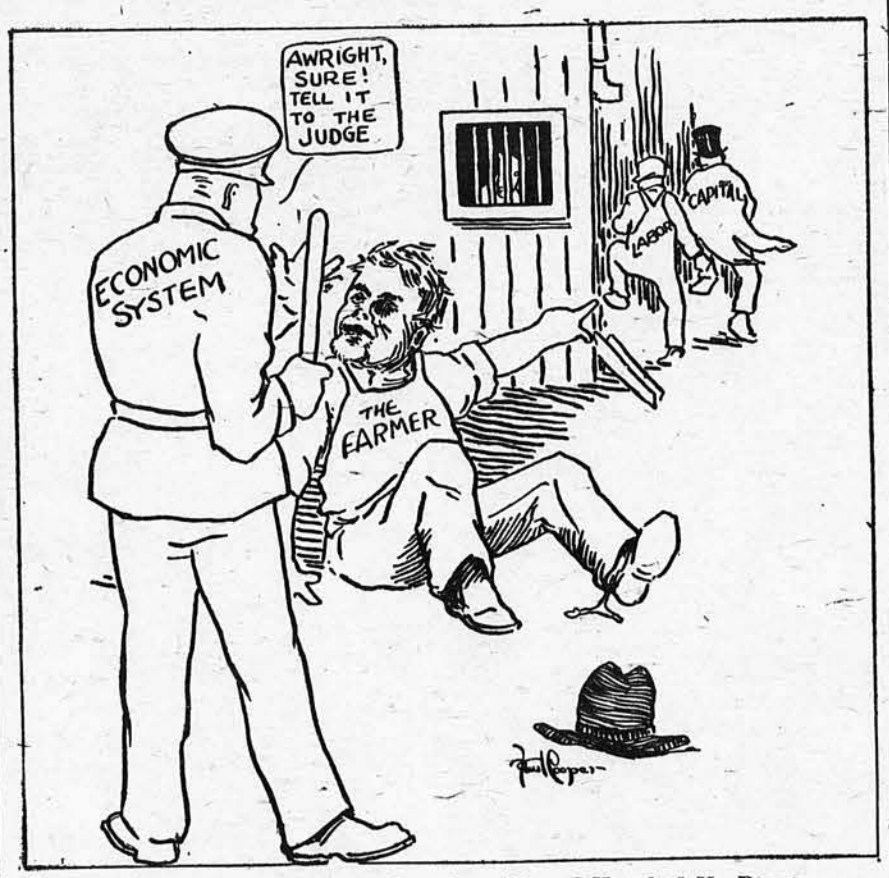
Cost of Charging Small

But what is more simple than using the regular automobile battery for your receiving set? If you find it too inconvenient to remove the battery from the car and carry it into the house for use on the radio set, why not run a couple of wires out of a window or thru the wall and attach clips at the ends of these wires? Then run the automobile close to the window and simply attach these wires whenever you wish to receive market news or a concert. The automobile is used enough to keep the battery pretty well charged, and the radio set will not consume enough current to discharge the battery appreciably.

There are the two alternatives on the farm which is not electrically equipped. The radio user may buy a special battery and have it charged at a service station about six times a year, or he may use the automobile battery. In the first instance, he will be obliged to pay about $3 a year for the charging, and in the second, he will pay nothing. Every farm with an automobile which has a storage battery will find the electrical problem very simple so far as radio is concerned. Every farm which has a 32 volt farm electric plant can use the

(Continued on Page 35)

Modern Justice A La Carte



Farmer—Those Two City Chaps Ran Over Me and Knocked Me Down. Policeman—Can't Help It. You're Pinched for Obstructing Traffic.

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Kansas Farmer and Mail & Breeze Good Stories Woman's Home Comp.	Club 124 all for **$1.95**
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The Wreckers

(Continued from Page 9)

May to stay and keep the office open while I could go down-stairs and get my dinner in the station restaurant, and he went off up-town—to the club, I suppose. After I'd had my bite, I let May go. Everything was moving along all right, so far as anybody could see. We had five extra fuel trains loading at the company's chutes at Coalville, and the despatcher was instructed to work them out on the line during the night, distributing them to the towns that had reported shortages. They were not to be turned over to the regular coal yards; they were to be side-tracked and held for emergencies.

Mr. Cantrell Was Loyal

Mr. Norcross came back about eight o'clock, and I gave him my report of how things were going on the line. A little later Mr. Cantrell dropped in, and there was a quiet talk about the situation, and what it was likely to develop. The Mountaineer editor was given all the facts, except the big one about Hatch's death-grip on us, and in turn Mr. Cantrell promised the help of his paper to the last ditch—tho, of course, he had no idea how deep that last ditch was going to be. I had a lot of filing and indexing to do, and I kept at work while they were talking, wondering all the time if the boss would venture to tell the editor about the depth of that "last ditch." He didn't. I guess he thought he wouldn't until he had to.

It was pretty nearly nine o'clock when the editor went away, and Mr. Norcross was just saying to me that he guessed we'd better knock off for the night, when we both heard a step in May's room. A second later the door was pushed open and a man came in, making for the nearest chair and flinging himself into it as if he'd reached the limit. It was Collingwood. He was chewing on a dead cigar and his face was like the face of a corpse. But he was sober.

I supposed he had come to make trouble with the boss on Mrs. Sheila's account, and I quietly edged open the drawer of my desk where I kept Fred May's automatic so as to be ready. He didn't waste much time.

"I saw you as I was coming away from Kendrick's last night," he began, with a bickering rasp in his voice.

"Did you go up against the gun I had loaded for you?"

Mr. Norcross cut straight thru to the bottom of that little complication at a single stroke.

"What Mrs. Collingwood said to me, or what I said to her, can have no possible bearing upon anything that you may have to say to me, or that I can consent to listen to, Mr. Collingwood."

The derelict sat up in his chair.

"But you've got to keep hands off, just the same; at Kendrick's and in this other business, too. If you don't there is going to be blood on the moon! Get me?"

The boss never batted an eye. "I'm taking it for granted that you are sober, Mr. Collingwood," he said. "If you are, you must surely know that threats are about the poorest possible weapons you can use just now."

"It's a plant, from start to finish!" gritted the man in the chair. "I haven't done a damned thing more than to cash a few checks for—for expenses, and turn the money over to Bullock. Now Hatch tells me that I was working with a spotter—his spotter—and that he can send me up for bribery. It's a lie. I don't know what Bullock did with the money, and I don't want to know."

"But you had orders to give it to him when he required it, didn't you?" Mr. Norcross cut in.

"That's none of your business. I want you to choke this man Hatch off of me!"

The boss had picked up his paper-knife. "I don't know why you should come to me for help," he said. "You have been hand-in-glove with these conspirators ever since you came out here. You have known what they were doing to destroy the railroad property and wreck our trains, and two days ago you knew they had set a trap for my special train on the Strathcona branch—a trap that was meant to kill me."

"Why Shouldn't You Be Killed?"

It was a random shot, and I knew that Mr. Norcross was just guessing at where it might land when he fired it. But it went home; oh, you bet it went home!

"Damn you!" gurgled the bounder, half starting to his feet. "Why shouldn't I want to see you killed? And what do I care what becomes of your cursed railroad? Haven't you done enough to me?"

"No!" And then: "As I told you in the beginning, we won't go into any phase of it that involves Mrs. Collingwood. Get back into your own boat. And you trying to tell me now that Hatch is threatening you?"

"He's played me for a come-on. He says he's got the whole business down in black and white, with affidavits. He had the nerve to tell me less than an hour ago that he'd burn me alive if I didn't toe the mark."

"What does he want you to do?"

"He wants me to stick around here so he can use me against you. He knows how you're mixed up with Sheila and that you can't turn a wheel without making it look as if you were going after me on your own personal account."

There was a silence for a little time, and the crackle of the match with which Mr. Norcross relighted his cigar smashed into the stillness like a tiny pistol shot.

"If you have come here with the idea that I can force Hatch's hand, you are much misled," said the boss. "Has he made it appear to you that he was merely trying to help you avenge your own fancied wrongs?"

"He said I ought to get you; that any man who would make love to a married woman ought to be got."

My chief was looking past the derelict and out thru the darkened window.

"You don't know me, Mr. Collingwood, but you do know your wife; and you know that she is as far above suspicion as the angels in heaven. Let that part of it go. Hatch was merely using you for his own ends. If he could persuade you to kill me off out of the way, it would be merely that much gained in the business fight. You haven't done it thus far, and now he is using your check-cashing excursion as a club with which he proposes to brain the entire railroad management, your uncle included, if we interfere with his plans."

Collingwood scowled up at the ceiling, shifting the dead cigar from one corner of his mouth to the other.

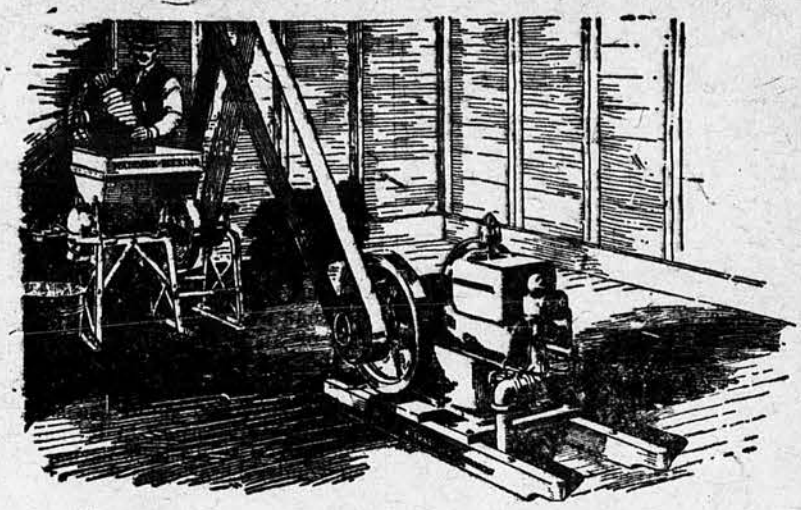
Milk Profits Boost Bank Deposits

PROFITS from the milk pail have been important, in sections where dairying is the chief agricultural industry, in increasing the volume of business in August, 1922, over the same month in 1921, according to Government reports.

In New York, the leading dairy state in America marketing more fluid milk than any territory of similar size in the world, Federal Reserve Bank clearings indicate a 20 per cent increase for mid-summer business this year over last.

In other agricultural sections of the United States where dairying has only meager foothold no increase is shown, or if any only slight in comparison to New York's figure.

Thruout the great Northwest where mixed farming is coming into more general practice a steady increase is shown from the lowest figure of 3 per cent up. The ultimate test of an industry's value to a nation is what effect it has on influencing the prosperity of all citizens.



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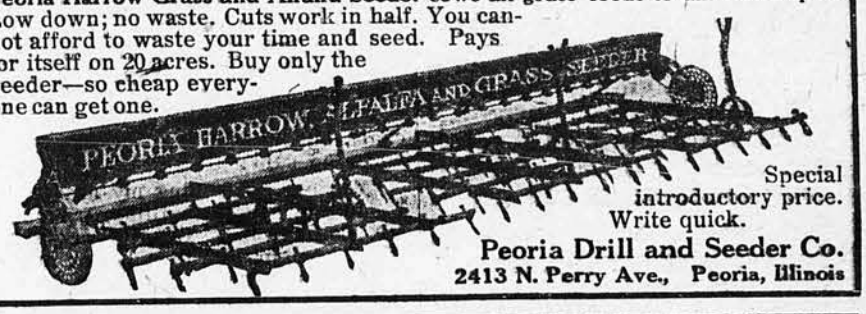
EVERY man who grows stock for profit should be equipped to grind the feed. It is not hard work when you have an International Kerosene Engine for power, and McCormick-Deering Shellers and Feed Grinders to do the work. A few hours on a rainy day now and then will give you a supply of nutritious stock food that will add many dollars to your year's profits.

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"So that's the way of it, is it?" he commented. "He was working for his own pocket all the time, and Uncle Breck stands pat and slips him the ace he was needing to make his hand a winner. Between you and me, Norcross, I believe this damned piker needs killing a few times, himself."

The boss sat back in his swing chair and I could just imagine that he was trying to get some sort of proper angle on this young fellow who, in addition to his other scoundrelisms, big and little, had wrecked the life of Sheila Macrae. I knew what he was thinking. He had a theory that no man that was ever born was either all angel or all devil, and he was hunting for the redeeming streak in this one.

When you looked right hard at the haggard face you could see something sort of half-appealing in it; something to make you think that perhaps, away back yonder before the spoiling began, there used to be a man; never a strong man, I guess, but one that might have been generous and free-hearted, maybe. I got a fleeting little glimpse of that back-number man when he turned suddenly and said:

"One night a few weeks ago when I was full up, Hatch got hold of me and told me you were out at the Kendrick place with Sheila. He made me believe that I ought to go out there and kill you, and I started to do it. Do you know why I didn't do it?"

"No," said the chief, mighty quietly.

"Well, I'll tell you. One night last spring up at the Bullard you slammed me one in the face and dragged me off to my room to keep me from making a bigger ass of myself than I'd already made. I haven't forgotten that. In all these crooked years, nobody else has ever taken the trouble to chuck me decently out of sight and give me a chance to brace. Drunk as I was, I remembered it that night when I was climbing up to a window in the major's house and trying to get a shot at you."

Mr. Norcross shook his head, more than half sympathetically, I thought.

"Let that part of it go and tell me about this other trouble," he said. "How badly are you tangled up in this political business?"

Collingwood a Money Carrier

"I've given it to you straight on the bribing proposition. Uncle Breck used me as a money carrier because—well, maybe it was because he couldn't trust Bullock. I didn't know definitely what Bullock was doing with the checks I cashed for him, tho I supposed it was something that wouldn't stand daylight. It was only a side issue with me. I was coming out here anyway. I knew Sheila had made up her mind—God knows she's had cause enough; but I had a crazy notion that I'd like to be on the same side of the earth with her again for just a little while. Then this—" he trailed off in a babble of maledictions poured out upon the man who had trapped him and used him.

The boss straightened himself in his chair, but he still was speaking gently when he said:

"You are not asking my advice, and I don't owe you anything, personally, Mr. Collingwood. But I'll say to you what I might say to a better man in like circumstances. You have done all the harm you can, but, as I see it, there doesn't seem to be any need of your staying here to suffer the consequences. Why don't you go back to New York, taking your wife with you, if she will go?"

Collingwood's smile was a mere teeth-baring grimace.

"Sheila made her wedding journey with me once, when she was just eighteen. The next time she rides with me it will be at my funeral. Oh, I've earned it, and I'm not kicking. And about this other thing: I can't duck. You know what Hatch is holding me for. He told me just a little while ago that if I stepped aboard of a train, I'd be arrested before the train could pull out."

It was a handsome little precaution on the part of the chief of the grafters. If a fight should be precipitated—if the boss should try to checkmate the C. S. & W. gobble—the arrest and indictment of President Dunton's nephew would serve bully good and well as a dramatic bit of side play to keep the newspapers from printing too much about the other thing.

"If you really want to go, I think it can be arranged in some way," Mr. Norcross put in quietly. "So far as our railroad troubles are concerned it will neither help nor hinder for you to stay."

As if the helpful suggestion had been a lighted match to fire a hidden mine of rage, Collingwood sprang to his feet with his dull eyes ablaze.

"No, by God!" he swore. "I'm going to make him come across with those affidavit papers first! You wait right here, Norcross. You think I'm all cur, but I'll show you. There isn't much left of me but hound dog, but even a hound dog will bite if you kick him hard enough. Lend me a gun, if you've got one and I'll——"

"Hold on—none of that!" the boss broke in sternly, jumping out of his chair to enforce the command. But before he could make the grabbing move the corridor door slammed and the madman was gone.

The Deserter

Mr. Norcross chased out and tried to overtake Collingwood, going as far as the foot of the stairs. I went, too, but got only far enough to meet the boss coming up again. The station policeman had seen the crazy rounder jump into a taxi and go spinning off up-town.

That settled the Collingwood business for the time being, but there was another jolt waiting for us when we got back to the office. While we were both out, Mr. Van Britt had blown in from his room at the foot of the hall and we found him lounging comfortably in the chair that Collingwood had just vacated.

"I thought maybe you'd turn up again pretty soon, since you'd left the doors all open," was the way he started out. "Sit down, Graham; I want to talk a few lines."

(TO BE CONTINUED.)

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The Sad Reason

Old Lady (to mendicant)—"But—my good man, your story has such a hollow ring."

"Yes, missis—that's the natural result of speaking with an empty stummick."

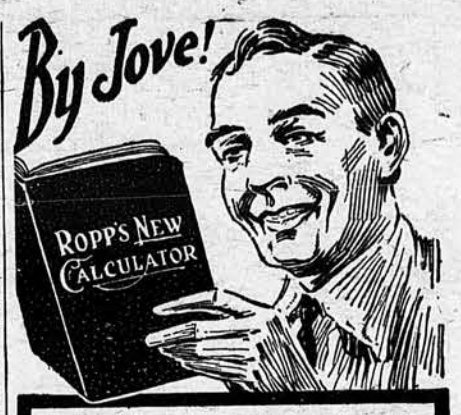
Profitable Pigs Never Stop Growing

RECENTLY in an exhibit entitled "Pork Production," shown by the United States Department of Agriculture at the International Livestock Exposition, Chicago, the Department gave the essential points for raising swine economically.

According to the Government authorities, good breeding stock, proper mating, and careful feeding of the brood sows are all important, but a point in hog raising that should receive more attention, because it is often neglected, is the necessity of keeping the young pigs growing continuously from the moment of birth to maturity.

Even before the pigs are weaned they should have access to corn in self-feeders as a supplement to the sow's milk. As soon as they are weaned the pigs should be kept on full feed, either by self-feeder or by hand. Approved types of self-feeders, hayracks, troughs, and watering fountains are shown in the exhibit. Proper feeds and exercise furnished to vigorous pigs of proper type result in hogs of market weight at about 8 months of age.

"The profitable pig is the one that never stops growing from farrowing to market" is a good slogan for every hog raiser.



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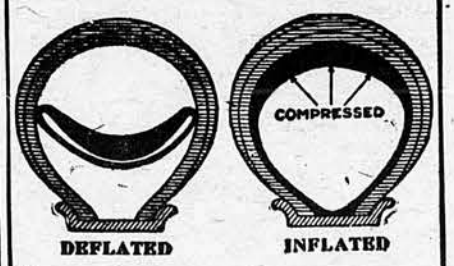
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Health in the Family

Frostbitten Hands and Feet Will Cause Much Trouble Unless Carefully Treated

BY DR. CHARLES H. LERRIGO

THE first treatment should begin as soon as the attack occurs. It consists in restoring circulation to the tissues by the gradual process of rubbing with snow or cold water rather than forcing it by the hasty process of artificial heat. In case of severe freezing this should be persisted in as long as necessary to obtain a good color and active circulation. While this is going on the patient should be made as comfortable as possible and should be strengthened and stimulated by hot drinks and by hot applications to other parts of the body. This gradual restoration of the circulation, bringing it back in the same way it went, restores vigor without injury to the blood vessels. Hasty restoration by application of artificial heat, breaks down blood vessels and causes death of tissue. Severe cases should always be given the advantage of a few days rest in bed to complete restoration.

Following frostbite the patient is always very sensitive to cold. Frostbitten hands or feet get chilled very easily. They become numb and tired. As the warmth returns to them they itch intolerably and very often the itching and burning that comes from getting warm in bed drives sleep away. In some cases ulcers develop and are hard to cure.

The ulcers of frostbite must be treated with great care to prevent infection, for the tissue is of poor quality, being feeble in circulation, and an infected ulcer is very slow in healing. It is best to give ulcerated tissues absolute rest until cured. Dressings must be changed daily and surgical cleanliness maintained.

The itching may yield temporarily to the application of cool water, or to a lotion containing camphor, tar or menthol. But the important thing is to build up the devitalized tissue and restore vigorous circulation. Daily massage will help. Bathing the affected parts frequently in cold water and following this with active rubbing is a good measure. Protection should be given by warm gloves for the hands and woolen stockings for the feet. Nothing tight should be worn to cramp the circulation.

To Prevent Thumb Sucking

My baby, 17 months old, is a thumb sucker. I have tried thumb and finger stalls and quinine put on the nails, but to no avail as he sucks any finger on either hand. Can you suggest anything? R. M. S.

Apply cuffs of pasteboard reaching from a little above the elbow well down toward the wrist. These cuffs will permit him to have free use of the hands and will not interfere with his play but as they prevent flexion of the elbows they will keep thumbs and fingers out of the mouth. Of course you must put them under his clothing or he will tear them off.

Contagious Diseases in School

In a school district having cases of scarlet fever is it not the duty of the county doctor to come out and investigate? If the teacher of the school tries to get the county doctor does he have to come or not? D. M.

The trouble often lies with the county commissioners, who have made the cheapest bargain possible with the doctor and paid no attention to the service they might expect. The doctor may use his own discretion about going. Your only recourse is thru the commissioners. A doctor who gets $100 a year for looking after the health of an entire county is not likely to serve very well. Any doctor who also does private practice is going to give his own practice first attention. Your commissioners should employ a health officer to give his whole time to the county work. Harvey county is large enough and rich enough to make this service nothing more than common sense.

Baruch Presents a Solution

(Continued from Page 7)

which would have to be properly inspected, with restrictions that would be applicable in the circumstances. Debenture for this purpose should run for as long as three years, but only notes or debentures having nine months or less before maturity should be discountable in the Federal Reserve Banks.

In the matter of credit for production, because here we do not have collateral of unquestioned value and marketability, as in the two other instances, we have more to consider the character and individuality of the farmer himself—what bankers call the moral risk. Heretofore, the country banks and merchants have provided this sort of credit.

Financial associations or corporations could be formed in localities so desiring, whose purpose would be to provide the necessary guarantees to the note of the farmer who asks and is entitled to obtain credit for the purchase of machinery or fertilizer—or for anything necessary to the productivity of his farm. These associations or corporations would be somewhat analogous to the Farm Loan Associations of our Federal Land Banks. They would be controlled by the farmers and others by whom the capital would be subscribed. Notes for productive purposes would be required to have the indorsement of the local organization, which would have the right to indorse and forward to a regional institution for sale an amount of notes equal to 10 times the local's capital.

The initial capital of the new system could be obtained out of the liquidation of the War Finance Corporation. The amount can be readily determined by an investigation to ascertain what are the annual credit requirements for the three purposes, necessary to supplement present sources.

The country should be divided into regions for the establishment of the regional loan institutions somewhat on the basis of the Federal Land Banks and the Federal Reserve System. Each suitable locality within each of these regions should form its own organization for the purpose of dealing with the regional institution.

What kind of papers do you find the most interesting and what particular features appeal to you the most? Would you like to see such articles in the Kansas Farmer and Mail and Breeze?

Keep Education Unimpaired

BY PRESIDENT HARDING

IT IS gratifying to know that in a time when public burdens have lain very heavy upon the people there has been everywhere a determined purpose to maintain education unimpaired, in order that the coming generation may be equipped, regardless of sacrifices in the present, for the increasing responsibilities which it must bear. * * *

The strength and security of the Nation will always rest in the intelligent body of its people. Our education should implant conceptions of public duty and private obligation broad enough to envisage the problems of a greatly distraught world. More than anything else, men and women need the capacity to see with clear eye and to contemplate with open, unprejudiced mind, the issues of these times. Only thru a properly motivated and generously inspired process of education can this be accomplished.



Had Your *Iron* Today?

Right Foods
—a Special Need on Farms

JANUARY meals on farms should be different from those served in May or April.

For these are work-months—at the plow and elsewhere. Men then take healthful exercise.

But January is more or less inactive, and so are men. That means some inaction of important organs of the body that mainly control health.



Another Luscious Way

Another way to get the benefit of raisins is to serve them stewed, with cream as a regular breakfast dish.

Try this way, too, and note the results in ten days.

Sun-Maid Raisin Bread

Three cups flour, 4 teaspoons baking powder, 1 teaspoon salt, ¾ cup sugar, 1 cup Sun-Maid Seeded Raisins cut in pieces, 1 egg 1 cup milk

Soak raisins in boiling water for 15 minutes. Drain and dry. Sift flour, baking powder, salt and sugar together. Add raisins. Mix beaten egg with milk and add to flour, stirring constantly. Pour into greased bread pans. Let stand for 10 minutes and bake in moderate oven for 40 to 45 minutes.

This makes two small loaves or one large loaf.

All measurements for this recipe are level.



Blue Package (Seeded) Best for pie and bread.

Then certain foods are needed to take the place of exercise.

Raisins are one of them.

The practically predigested, pure fruit sugar and the bulk and roughage of the skins furnish natural stimulation in a most delightful way.

Raisin foods—always delicious—are, therefore, ideal January foods.

Try in bread, or with oatmeal. Serve in pudding and in pie.

Make luscious stewed raisins your regular morning dish. Try it for ten days and note results.

In addition, raisins supply food-iron of the most assimilable kind—fine food for the blood.

You'll benefit in several ways, therefore, by serving more of this good fruit.

Sun-Maid Raisins

Insist on Sun-Maid Raisins, the kind you know are good.

Your retailer should sell you Sun-Maid Seeded Raisins for not more than the following prices:

Sun-Maid Seeded *(15 oz. blue pkg.)*—**20c**
Sun-Maid Seedless *(15 oz. red pkg.)*—**18c**
Sun-Maid Seeded or Seedless *(11 oz. pkgs.)*—**15c**
Seeded in Tins: *(12 oz.)*, **20c**; *(8 oz.)*, **15c**

Mail coupon for free book of tested Sun-Maid recipes.

Sun-Maid Raisin Growers
Membership 13,000
Dept. B-2401, Fresno, California.

CUT THIS OUT AND SEND IT

Sun-Maid Raisin Growers,
Dept. B-2401, Fresno, Calif.

Please send me copy of your free book, "Recipes with Raisins."

NAME.....

STREET.....

CITY.....STATE.....

Our Kansas Farm Homes

Mrs. Ida Migliario
~EDITOR~

How Preparedness Has Brightened Wash Day on Three Kansas Farms

I TRY to make wash day a day that will not be dreaded by the entire household, and, likewise a day that will not make itself evident by a disorderly house and poorly prepared and served meals. In order to accomplish this, I plan and prepare the day before as I have two babies to care for and several hired men to feed.

I usually wash on Tuesday, consequently on Monday I clean and put the house in order. Likewise, I plan and partly prepare my meals for the next day. Often during the winter season I roast a chicken, or piece of beef with dressing and vegetables in a self-basting roaster. A wash day dinnner prepared in this manner leaves the top of the range free, calls for little attention, and with a prepared dessert and salad or relish, may be finished in a few minutes.

Soaks Clothes on Monday Evening

On Monday evening sufficient fuel is brought in, the water pumped, the reservoir and boiler filled, and all the soiled clothing is collected and put to soak except materials that fade. I use warm water and plenty of homemade soap. On wash day morning I generally arise earlier than usual and prepare a simple breakfast while the water is heating. Also, before breakfast I wring the clothes from the water in which they were soaked, sort them for the different machines and rub soap on the soiled spots.

I then pick up and put things in order about the dining and living rooms. By the time breakfast has been served, the water to which has been added soap, ammonia and borax, is boiling. This is put in a hand-power washing machine, and all of the laundry rubbed in it except the better colored materials. These are only rubbed in the boil suds, then immediately rinsed and hung in the shade to dry. I always turn them wrong side out to prevent fading and bring them in as soon as dry.

Vacuum Plunger Helps

When the first machineful is rubbed I put the clothes in the boiler in warm water, add soap and allow them to reach the boiling point while the others are being rubbed. As these are removed from boiler cold water from the boil suds is added and other clothes put in. I boil all of the white materials.

An efficient helper is a vacuum puncher, which is used at frequent intervals while the clothes are in the boiler. After the wash is removed from the boiler it is put thru a clear water which I distinguished as the boil suds, and then into a blue water. Some of the colored articles which aren't boiled generally need a little rubbing on the board in the boil suds. By the time the white laundry from the boiler has been put thru this water it is a warm soap suds. I use a liquid bluing, prepared by myself from bluing powder and a small amount of oxalic acid. I use lump starch.

Usually I have time to wash the breakfast dishes while I'm waiting on a boiler of clothing. By doing my laundry work in such a manner and planning the day before, I am able to have my wash on the line, the kitchen and porch cleaned, and likewise myself bathed and dressed by noon.

I might add that I never wash the silks and better woolens with the regular laundry. For these I select a warm sunshiny day and wash in warm water and a mild soap, using the hand vacuum washer. All the woolens should be rinsed in a warm, mild soap suds and immediately hung in the sunshine to dry.

Wash Day Helps for Cold Weather

1. Warm clothes pins in oven.
2. Pin small articles such as handkerchiefs on a large piece.
3. Fold and arrange laundry in basket, suitable for hanging on the line in the house.
4. Do not allow good linens to freeze as it breaks the fibers.

Douglas County. Mrs. J. W. B.

When the Clock Strikes 10

(Second Prize)

Regularity and preparedness are my wash day slogans. The weather permitting, I have the same day in every week set aside for wash day. On the day preceding I prepare the wash day dinner as far as possible, then in the evening all soiled clothing is collected and sorted and all stains needing special treatment are given attention. Then two boilers are filled to the brim with water and the laundry fire is laid.

In the morning the fire is lighted and by the time the family has breakfast the wash water is hot. I use 1 tablespoon of lye to every boilerful of water to soften and clear it.

I use an electric motor to run my washer and it is started with the first consignment of clothing before the breakfast table is cleared. While the machine is running, I have ample time to do the necessary kitchen work.

After that the real work of wash day begins. The clothes are left in the machine 20 minutes, or 30 minutes for the men's heavier work clothing. They are then wrung from the machine and boiled briskly for about 5 minutes, then put into a tub of clean suds, looked over carefully and rubbed on a board if necessary. After a good rinse in a large tub of blue water, the clothing is ready for fresh air and sunshine.

How Ginghams are Washed

The ginghams are washed in the machine in warm—not hot—water then into the tub of fresh suds, given a blue rinse, and starched.

I do not soak the clothes, for the cold wet clothing cools the water of the machine too much, but if they are especially soiled I wring them out of warm water and soap them thoroly before placing in the hot water of the machine.

I prefer a good white soap, of which there are a number of equally efficient brands on the market. I do have a favorite, tho, because of the delightfully clean fragrance it leaves in the clothes. The liquid bluings are better, I believe, for they are not so likely to leave undissolved flecks of blue in the water. My favorite starch is a finely powdered form for it does not blow out nor freeze out as easily as many other kinds.

I lay the men's heavy overalls flat on a board and scrub them with a brush. This removes the grease and grime very easily.

My wash day work is usually all out of the way by 10 o'clock, then floors are scrubbed and the house put in order by noon. Mrs. H. E. T.

Washington County.

Finds Wash House a Convenience

(Third Prize)

Before I had my power washing outfit, wash day certainly was "blue Monday." Now I have a big washing on the line by noon, and do not feel "all fagged out" either.

My washer is of the wooden dolley type with a three position wringer, run by a three horse power gasoline engine. The washing is done in a small wash house near the house. The floor is cemented and the washer connnects with a tile drain so it is not necessary to carry any waste water. The well is also located in this house and I have to carry rinse water but two steps.

Cold Water Removes Some Stains

While waiting for the boiler to heat, the tub and wringer are wiped to rid them of any dust and the mechanism is carefully oiled. The clothes are now sorted and looked over for stains. Most fruit stains are removed by stretching the article tightly over a pan and pouring boiling water over it from a height. Machine grease can be removed by covering the spot with lard before putting the garment in the tub. Blood and milk or cream stains should be soaked in cold water.

I have found that one essential for snowy white clothes is plenty of soap. After the water is put on to heat I add 1 bar of laundry soap cut up fine and also 2 or 3 tablespoons of soap powder. In this way the soap is entirely dissolved when the water is put into the washer.

Clothes are Sudsed Twice

I put my washing thru two suds, the first one not quite boiling, but the water for the second rub must be boiling. I add one bar of soap cut up fine to the boiling suds. After the clothes have gone thru the first suds each garment is shaken thoroly to remove lint, and pillow cases, underwear, stockings and night gowns are turned wrong side out.

While the first tubful is being rubbed in the boiling suds I get the rinse off the clothesline, and if there are any dainty pieces or fancy ginghams, I wash these by hand. I use lump starch.

While the first tubful is being rubbed in the boiling suds I get the rinse waters ready. The clothes are wrung from the washer into a tub of clear, cold, hard water, and from this tub into the blue water. While this process is going on the second batch of white clothes is going thru the boiling suds. The clothes, especially soft absorbent materials, should not be allowed to remain in the blue water but a very few moments. After the clothes have gone thru the blue water they are starched and then are ready for the line.

In cold, stormy weather the washing is hung upstairs in a long hall. There is a door at one end and a window at the other. I put a row of nails in the casing above the window and door and put up several rows of clothesline. Mrs. F. A. S.

Shawnee County.

THERE wasn't a letter entered in our "How I Wash" contest that didn't have some good ideas in it. We wish we could print all of them, but of course that would be impossible. We could only find room for the three prize winning letters.

Every woman who makes good bread is proud of the golden brown loaves when she takes them from the oven. And she has a right to be for they represent lots of hard work. If you are one of these women, won't you tell us how you make your bread? Perhaps there are other women who would like to try your methods. How do you set your sponge? Do you make your own yeast? If so, how? Or do you use liquid yeast, dry yeast, compressed yeast, or a starter? What kind of shortening and flour do you use? Do you ever make hot rolls? How often do you bake, and how many loaves do you bake at a time? Where do you keep your bread?

We will pay $10 for the best letter on this subject, $5 for the second best, and $2.50 for the third best. Address the letters to Mrs. Ida Migliario, Farm Home Department, Kansas Farmer and Mail and Breeze, Topeka, Kan.

THE right girl is the best inspirer of success a young fellow can have, while the wrong kind is about as much help to a man trying to shin up the greased pole of success as a nice thick coating of lard on his fingers.—Take it from Dad.

A LITTLE peaceful home bounds all my wants and wishes; Add to this my book and friend —and this is happiness supreme.
—Michael De Montaigne.



Smart Models for Dress Up

Uneven Hemline Will Be Worn Next Season According to Advance Spring Styles

BY MRS. HELEN LEE CRAIG



1583—Women's House Dress. Every woman will agree that if her house garments are pretty as well as serviceable, housework never becomes a "humdrum." Sizes 36, 38, 40, 42, 44, 46 and 48 inches bust measure.

1588—Women's House Dress. This dress can be opened flat to iron. Sizes 36, 38, 40, 42, 44 and 46 inches bust measure.

1586—Women's Corset Cover. Sizes 36, 40, 44 and 48 inches bust measure. Transfer patterns No. 603 and 621 are 15 cents extra.

1589—Women's and Misses' Dress. Panels that swing gracefully at the side and hang below a skirt are popular. Sizes 16 years and 36, 38, 40, 42 and 44 inches bust measure. Transfer pattern No. 635 is 15 cents extra.

1578—Women's Dress. Left side closings are popular this season. Sizes 34, 36, 38, 40 and 42 inches bust measure.

1571—Girls' Dress. The drop shoulder and flare sleeve are exploited in this dress. Sizes 6, 8, 10, 12 and 14 years.

1572—Women's and Misses' Dress. In this style, crepe de Chine has used one of the popular printed crepes for a companion. Sizes 16 years and 36, 38 and 40 inches bust measure.

1566—Women's Coat Dress. Sizes 34, 36, 38, 40 and 42 inches bust measure.

1575—Girls' Dress. A semi-fitted basque lends distinction to this frock. Sizes 6, 8, 10, 12 and 14 years. Transfer pattern No. 602 is 15 cents extra.

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.

Women's Service Corner

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

For Beef Canning Time

Kindly tell me how to can beef. I prefer to can it after it is cooked if that can be done.—Mrs. M. M. M.

It is a good plan to cut the roasts into pieces small enough to go into the jars easily. Large pans of these are sprinkled with salt and pepper, a little suet is added and a little hot water. Put these into the oven and when they are well browned and about one-half cooked pack the meat into sterilized jars, put a piece of suet on the top of the meat and add some of the gravy—the meat need not be entirely covered. Adjust the rubbers, place the lids but do not tighten them. Boil in a water bath for 2½ hours. Remove jars and seal.

Steaks and ribs are treated in the same manner. It is easier to pack these if the bones are removed and they can be, quite easily, after the meat is partly cooked.

How to Make Soap

I see where you help a great many other persons and I wonder if you will help me, too? I have never made soap but want to try it this year. How is it done?—Mrs. K. R. K.

You will find the following recipe for soap very good. Pour 2 gallons of water into an iron kettle and empty 3 cans of lye into it. Let cool 1 hour. Then place it on the stove and add 14 pounds of cracklings, drippings or tallow. Let this boil until every particle is dissolved. Add 2 gallons more of water from time to time to keep mixture from boiling over. Then set aside to cool until the following day.

Next skim off the white crust and brown jelly together, leaving the sediment in the bottom. After throwing away the sediment and washing the kettle, put all back into the kettle again, place on the stove and boil two hours. Add hot boiling water until the soap becomes the consistency of thick honey when dropped from the stick. Be careful. Do not add too much water for that would require more boiling. Pour into molds or boxes. Cover the soap while it is cooling.

Can I help you in some other way? I will be glad to do so.

Making and Canning Hominy

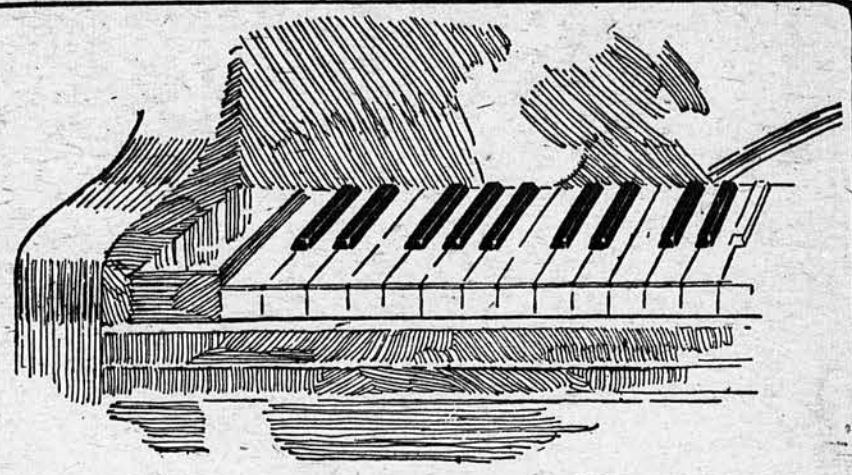
How do you make and can hominy?—Mrs. C. N. D.

Allow 2 ounces of concentrated lye to 1 gallon of water. Boil until lye is dissolved. Place corn in an enamel kettle, cover with lye solution and boil until the black eyes and skin loosen. Lift the corn from the lye and rinse in clear water. It requires many rinse waters and a great deal of careful work to get the lye thoroly washed from the corn. When washed and when the black eyes and hulls are removed, place the corn in a kettle, cover with water and cook until tender. Fill cans with hominy to within one inch of the top, cover with weak salt water and boil two hours in a hot water bath, or cook 60 minutes at 15 pounds of pressure if you use a pressure cooker. Remove jars, tighten lids.

Grass Stain on Organdie

How can I remove grass stain from a pink organdie dress?—E. D.

Make a paste of white soap and baking soda and spread on the stain. Leave for 3 hours then wash in tepid soft water.



"WASH"—
Don't Scour Teeth!

You Wouldn't Scour the Piano Keys

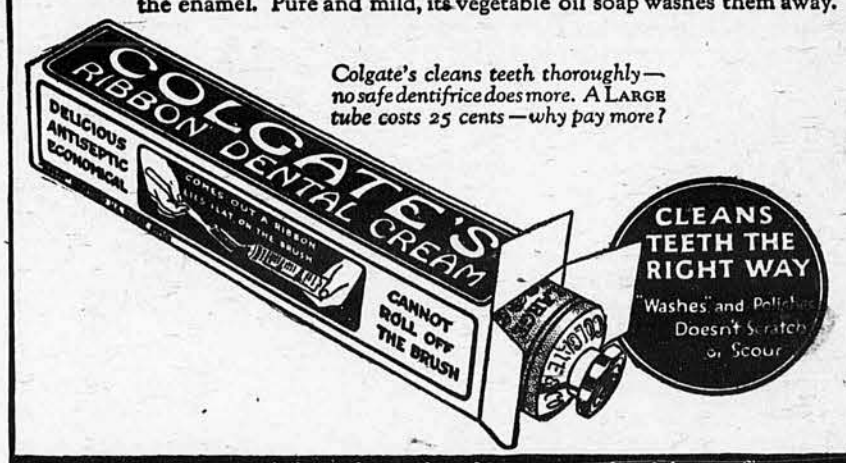
You would not use a grit cleaner on your ivory piano keys. You know what it would do to them. Ivory and teeth are first cousins—made of the same basic substance.

Every time you *scratch* your teeth, you remove part of the surface. You can use Colgate's Ribbon Dental Cream during a long lifetime without in the slightest degree injuring the delicate enamel of your teeth.

COLGATE'S CLEANS TEETH THE RIGHT WAY
"*Washes*" and Polishes—Doesn't Scratch or Scour

Gritty, soapless tooth pastes may show "quick results." If you scoured away your skin Nature could replace that. Silverware scoured with grit can also be restored if damaged. But Nature will not replace tooth enamel once it is worn away. It is better to use a *safe* dental cream now than suffer years of regret later on.

The most trustworthy tooth cleanser for habitual use is one that offers the combined action of fine, *non-gritty* precipitated chalk and pure soap. Thus, in Colgate's you get what modern science finds best. Its non-gritty precipitated chalk loosens clinging particles from the enamel. Pure and mild, its vegetable oil soap washes them away.



Colgate's cleans teeth thoroughly—no safe dentifrice does more. A LARGE *tube costs 25 cents—why pay more?*

Truth in Advertising Implies Honesty in Manufacture

Wonderful Resurrection Plant Free

The Resurrection Plant, Mentioned in the Bible as the "Rose of Jericho"


In Dry State


In Growing State

These rare and curious plants grow and stay green by placing them in water; will also grow in light drained soil. When taken out of water they dry and curl up and go to sleep. They will keep in this state for years and reawaken directly upon being put into water. It's an interesting and pretty house plant. To grow it, simply place the whole plant in water; it will open up and begin to grow in about twenty minutes; after that simply keep the roots in water; change the water every four or five days.

OFFER This Resurrection Plant will be sent free and postpaid with a one-year's subscription to Capper's Farmer at 25c, and 10c extra to pay for packing and postage (35c in all). Subscription may be new or renewal. **CAPPER'S FARMER, TOPEKA, KAN.**

Capper's Farmer Eight Months For 10c

Senator Arthur Capper's Washington Comment

One of the most interesting and instructive departments of Capper's Farmer is conducted by Senator Capper in Washington, D. C. In these articles you get the latest and most authentic news and comment on what should be, and is being, accomplished by our representatives.

CAPPER'S FARMER is edited by men who live on the farm. It is published in the heart of the greatest agricultural country in the world. It stands for a square deal for the consumer and fair profits for the producer thru eliminating grain gamblers, market jugglers, and other trusts and combines. *For the American farmers, who want to be progressive, there is no such favorite as Capper's Farmer.* There is a department for the women, boys and girls, marketing livestock, poultry, dairy, farm machinery, horticulture, health, etc.

In order to introduce Capper's Farmer—a farm paper that's different—the publisher agrees to enter a trial subscription—8 months for 10 cents. Send dime or stamps. **CAPPER'S FARMER, Dept. 100, Topeka, Kansas**

Boys! Boys! Girls, Too!

Do You Think You Can Spell?

See How Many Words You Can Make

This puzzle is a sure winner—everyone who joins the Club wins a prize. It's easy, try it. See how many words you can make out of the letters used in the word "Watermelons." A few of the words are: Toe, ate, ran, water, earn, etc. Don't use more letters in the same word than there are in the word "Watermelons." Only words that can be found in Webster's International Dictionary will be counted. This puzzle looks easy and simple, but if you can make as many as 20 words send in your list at once. The person winning first prize may not have that many. Be first to send in your list.





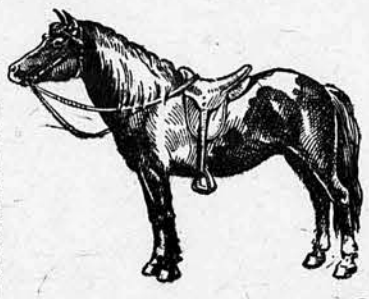
Culver Auto—1st Prize

A Real Gasoline Automobile

This is not a toy, but a real automobile, built especially for boys and girls. You can learn to run it in an hour's time. It will do anything a full sized car will do. You can run errands, take things to market, drive to school, go after the mail—all you have to do is to crank it, jump in and you are ready to go. Some boy or girl is going to be the proud owner of this Culver Racer—why not you? See how many words you can make out of above puzzle. Get an early start.

This Is "Prince"—2d Prize

How many little boys or girls would be proud to own a pony like Prince. The Pony is four years old, and about 40 inches high. It's a spotted pony with four white feet, some white in tail and mane. This does not show a very good picture of Prince, but he is a mighty pretty little pony and loves boys and girls. He wants a good home. We gave Prince's Brother away last month to a little girl just 9 years old, and I wish you knew how easy it was for her to get this pony. Don't fail to join my club. If you can spell see how many words you can make out of the above puzzle and write me TODAY.



Pencil Box, Extra Special Prize—Every Club Member Rewarded



How to Join the Club

Each one who sends in a list of words on this Spelling Club will receive 100,000 votes to start with. Just for fun see how many words you can make. We will also give 100,000 votes and a complete Pencil Box Outfit to all who join the Club. To the Club Member having the most votes at the close of the Club we will give the Culver Racer as first prize. To the second highest Club Member we will give the Shetland pony, Prince, and so on until we have awarded the fifteen grand prizes. You will receive a complete Pencil Box Outfit just for promptness in joining the Club. Anyone may enter this Club and there never was a better offer made, especially for boys and girls. Every Club Member gets a prize. If there should be a tie between two or more Club Members, each tying Club Member will receive prize tied for. Answer the Puzzle and send in your list of words to me TODAY. Be the first to get the Pencil Box.

BILLY BRUCE, 423 CAPPER BUILDING TOPEKA, KANSAS

WIN an Incubator or $150.00 Cash

Think You Can Spell

INCUBATORS

How Many Words Can You Make From "Incubators"? Try It! Win This Prize!

Think you can spell? Then how many words can you make out of the 10 letters in I-N-C-U-B-A-T-O-R-S? Try it! We will give a prize of **any standard Incubator, value up to $150, or $150 cash** to the person who complies with the rules of this contest and sends in the largest list of correct words made from the letters in "Incubators."

FREE

A Prize for Every List of 20 or More Words

If you make a list of 20 or more words and comply with rules, you may have choice of the following Prizes FREE: **10 Beautiful Post Cards; Clutch Pencil; 10 Flint Agate Marbles; Rag Doll; Army Police Whistle.** State choice.

Here are the Rules:

(1) Make as many words as you can from the letters in "Incubators." A few of the words are bat, cubit, bun. Do not use more letters in the same word than there are in "Incubators." A letter cannot be used more than once in the same word.

(2) To qualify for the Prize, every list of words must be accompanied by a remittance of 50 cents to cover a six months subscription to The Kansas Farmer and Mail & Breeze.

(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) Winners of former Kansas Farmer and Mail & Breeze spelling clubs may not enter this contest.

(5) Three disinterested persons will act as Judges. Their decision will be final.

(6) Webster's New International Dictionary will be used as authority.

The Chance of a Lifetime to Win an Incubator

The winner may have his or her choice of any standard Incubator, value up to $150.00, or may take $150.00 cash. This is the chance of a lifetime to win an Incubator and one you should not overlook. Contest closes March 31, 1923.

Our Guarantee

We guarantee that the winner of this contest will be awarded his or her choice of any standard Incubator, value up to $150, or $150 cash, three impartial judges judging the lists submitted. In case of a tie, the prize will be awarded to each of the tying contestants.

THE CAPPER PUBLICATIONS

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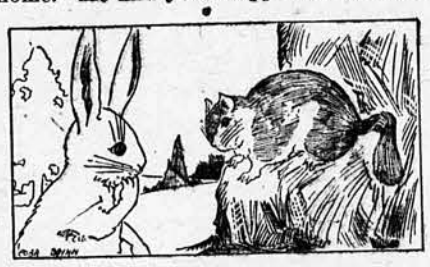
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For Our Young Readers

How Peter Rabbit Discovered Whether Or Not A Flying Squirrel Really Flies

PETER RABBIT had always lived near the garden, but he often heard the folks speak of the Flying Squirrel. Today he said to himself, "I'm going down into the forest and see if he has wings and can really fly," and away hopped Peter Rabbit toward the forest.

Peter Rabbit looked all day, but was not able to find a flying squirrel, so as it began to get dark he started for home. He had just stopped by the side



of a tree to rest when he heard something hit the tree by his side. Peter quickly looked around, and there, clinging to the side of the tree, was a little gray flying squirrel.

"Hello," said Peter. "Where have you been all day? I have been looking for you."

"Why, I have been asleep most of the day, way up there in my little house in the top of this tree."

"I wish you had let me know when you were going to fly down," said Peter, "because I wanted so much to see a flying squirrel fly."

"If you were so disappointed," said the little squirrel, "I will do it again."

"Oh, I wish you would!" exclaimed Peter.

So up the side of the tree scampered the little flying squirrel, and when he had reached the top limb he shouted, "Here I come," and the little squirrel spread out his four legs, and Peter could see the extension of skin along the squirrel's side, which connected its front legs and hind legs, making the under side of the body a broad, flat surface to the air. This enabled the squirrel to glide swiftly down a diagonal course. When he almost reached the ground where he wished to alight, he made a short turn upwards and lit lightly on the side of the tree by Peter Rabbit.

"Now," said Peter, "I can see why they call you a flying squirrel. But you don't really fly; you glide or sail, somewhat like a piece of cardboard I have seen the boys sailing up at the farm house."

Cobb X. Shinn.

A Word About Coins

Did you ever own a dollar and a penny? If you have, and I suspect you have, you've noticed that the edge of the dollar is cut in or "milled" around, haven't you? Did you ever wonder why this was, for when you notice the edge of the penny it is smooth? Years ago all coins were made smooth, but people who were dishonest began to cut away the edge of the coins, especially the more valuable ones and sell the metal. This, of course, was a form of theft from the Nation's money. So someone was wise enough to suggest "milling" the edges of the more precious coins so that now, if a person cuts away the edge, it can be told at once. Of course, one would not consider the copper or nickel worth his time, so the penny and nickel go unmilled. R. N.

When the Eggs Didn't Hatch

We had a turkey sitting and also a duck. The turkey's eggs didn't hatch so one day when the duck was away the turkey stole all of her eggs and in a couple of days they hatched. She cared for the little ducks as if they were turkeys.—A Reader.

Can a Horse Reason?

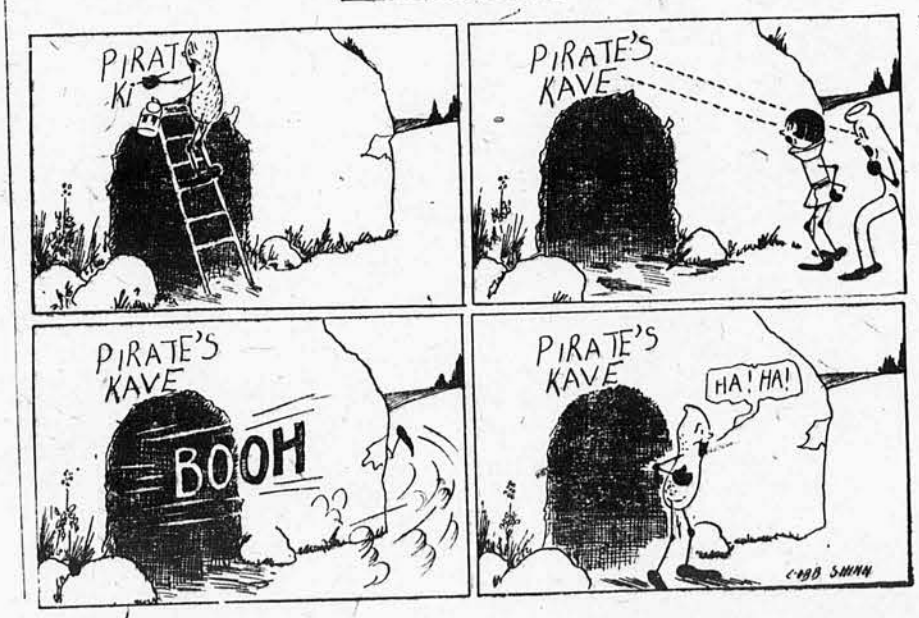
Once our old pet horse got shut up in a pasture where there was no water. We did not find him for several days. By that time he was very thirsty. We were afraid if we gave him all the water he wanted he would make himself sick, so we only pumped a little into the trough for him. When he had drunk that he took the pump handle in his teeth and worked it up and down, trying to pump more water.

Redmesa, Colo. L. Pinkerton.



Here is a puzzle for just the little folks. You will find what flower it is that calls children to school in the picture. Send your answers to the Puzzle Editor, the Kansas Farmer and Mail and Breeze, Topeka, Kan. There will be a package of postcards each for the first 10 boys and girls answering correctly.

More About the Teenie Weenies



Is It Harmful to Sleep In the Moonlight?

It was a beautiful moonlight night and the children had been playing "Hide and Seek" down in Pudding Lane. Simple Simon on his way home had stopped to say "Good Night" to his dear old friend, Mother Goose.

"There is something I've wanted to ask you," said Simple Simon. "That moon just made me think of it. Did



you ever hear that sleeping with the moon shining on you would make you go crazy?"

"Simple Simon, where did you get that idea?" asked Mother Goose.

"I've heard lots of people say it," replied Simon.

"If it were true," said Mother Goose, "just think of the thousands of animals and birds that sleep with the moon shining on them that would be affected. The idea is only the remnant of an old superstition. Moonlight is really a reflection of sunlight, and altho it is very feeble compared to the sun's brilliancy it is valuable just the same as sunlight."

The Poor Little Chicks!

The queerest thing I ever saw was once when a hen hatched some duck eggs. She took good care of the ducklings until they were about a week old. Then one day they came to a pond and the ducks all jumped into the water. Such a cackling as the hen set up! Finally the ducklings came out of the water and because the mother hen saw they were dry and hadn't drowned she took them to swim every day. Then later she hatched a batch of chicks and the first thing she did was to go down to the pond with them. They wouldn't go into the water, of course, so she pushed them in and they all drowned. Mildred Banks.

Loveland, Colo.

BALANCING A MATCH



TO MAKE this trick very easy to do secretly break off a small part of the match at the bottom. This will leave a number of prongs or slivers of wood. Then place the match on the forefinger and press it against the flesh so that the tiny slivers are imbedded very slightly. The match will stand as long as desired. Those who do not know the trick will find it very difficult, for they will fail to press the match into the finger.

Hen Wanted the Bunnies

Once we had a rabbit that had six little ones. When the mother rabbit would leave the nest an old hen would get into it and would fight the mother when she came back. So we had to lock the hen up in a wire pen.

Furley, Kan. Thelma Atkinson.

Midget Is a Cunning Pony

I have the cunningest pony. Her name is Midget. She is 3 years old and is black and white. We have a little colt which is brown. One day the colt got caught in the fence and yelled and yelled. The little pony heard it and came running from the barn a-yelling, too. We heard her and helped the little colt out of the fence. The pony ran back to the barn quite happy because she had gotten us to help the colt. Ella Winkler.

Rozel, Kan.

Citizens of No Man's Land

BY R. M. MONTGOMERY

Why is it that, altho we settle down
And live the lives we lived, a strange unrest,
A something, haunts us as we work or play—
A restlessness too vague to be exprest?

Is it that we who, out there, walked with Death
And knew the fellowship of Fear and Pain,
Are citizens for ay of No Man's Land,
And never shall be as we were again?

To those of us who played the Game out there,
And saw brave men, who failed to win, lose all
Where Fate was dealer, Life and Death the stakes,
Shall other games forevermore seem small?

'Tis true that home is dear, that love is sweet,
And pleasant are our friends to be among,
Yet something lacks, to us from No Man's Land—
Is it that no one here can speak our tongue?

We can not tell them what befell us there,
For well we know they could not understand,
So each sits quiet, by his own hearth fire,
And sees therein the sights of No Man's Land!

We have a secret way to judge of men—
It is a way we learned to judge out there.
But what, or how we learned it, none will tell—
It is a secret that we can not share!

See this rich fool, here, fling his new-got gold
While waiters fawn and bow and watch his hand!
Here he is king, but we look on and smile—
Gold could not buy your way in No Man's Land!

And this smooth orator who thrills the throng
With tales of noble deeds in No Man's Land,
If he had seen, as we saw, brave men die,
He'd have no rhetoric at his command.

They feel our strangeness, too—those at our side
Who chatter of the things of every day;
They mark our silences, our strange reserve,
"Ah, he is changed!" they shake their heads and say.

They say the dead return not, but I think
We know, who have come back from No Man's Land,
How ghosts must feel, to walk familiar ways,
And yet find no one there to understand!

The Boy We Like

The boy who says "No" when asked to do a wrong thing.—Boy's Life.



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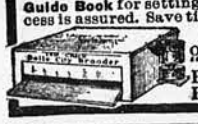
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Feeding for the Winter Eggs

Well Balanced Rations Will Increase Both Poultry Production and Profits

BY J. FARR BROWN
County Agent of Hodgeman County

TOO OFTEN on the majority of farms poultry is considered, if considered at all, as a very minor project in the business. This is a mistake often made when considering a project which returns a small but regular profit such as the laying hen. It is easy enough to realize the significance of the year's wheat crop when it is sold in a lump, the returns running into hundreds of dollars or the gross returns of the hog crop when several head are sold at once. But in the case of poultry when we sell a few dozen of eggs this week and a few more every other week, with numerous sales of spring chickens, broilers or old hens, not to mention, the amount consumed by the family, one is not likely to realize the magnitude of the yearly receipts.

Money Returns Continuous

Many a Western Kansas farmer has practically lived on the returns from the poultry and a couple of cows, when his wheat crop failed and more often has his wife received larger net returns from the poultry than he has from 100 acres of wheat. Because we often fail to realize this fact, the proper care of the poultry is frequently neglected. On many Kansas farms where the farmer takes a great deal of pride in feeding his calves and pigs taking especial care to provide them with sufficient protein in order to insure the best growth, we find him still wondering why the hens can't produce an egg composed largely of protein when fed corn or kafir, which is mostly starchy material.

The writer is not a professional poultryman and has no pet panaceas nor pet ideas on feeding poultry, other than giving the fowls the proper material from which to produce eggs. We wouldn't think of putting corn thru a mill and expecting to get a feed high in protein such as cottonseed cake; why then should we expect to put it thru a hen and produce lots of eggs which are equally as high in protein? If we only stop to consider that eggs are made up of a large percentage of protein while corn, kafir, and wheat are as low as 10 per cent in protein we can readily see that in order to gather the maximum profits from our hens we must feed a large amount of such protein supplement as bran and meat scraps. As plenty of exercise is essential to good health and a vigorous laying condition, we should encourage it by some such method as scattering the grain ration in straw for them to scratch out.

In addition to proper rations and plenty of exercise, the hen should have well ventilated quarters, plenty of room, lots of sunshine and must be protected from drafts. As a practical example of the possibilities which one may obtain from proper feeding and care, I wish to cite the case of a common farm flock belonging to H. B. Schnetzer of Hanston, Kan. Mr. Schnetzer started to put the following policy into practice the latter part of December in 1921, at which time he was getting only a few eggs from his mixed flock of 185 hens.

The Rations Used

The first thing in the morning he feeds a limited amount of corn, wheat, kafir or barley as a scratch grain, scattering it in the straw on the floor of the house. About 10 o'clock he gives them a wet mash composed of approximately 95 per cent bran and 5 per cent meat meal or meat scraps. This mash is fed hot in the winter by being moistened with hot water or milk. A dry mash is kept before them all of the time in a self-feeder. The flock of 185 consume on the average of about 15 pounds of mash, dry and wet together. They are not turned out until around noon and on real bad winter days are let run outside only for a short time.

Of course this causes a great deal of work and takes quite a little time, but Mr. Schnetzer says that he is satisfied it pays and the following egg record is what he bases his conclusions upon. When studying the egg record, remember that it starts with the first of the year while the improved management methods were inaugurated the latter part of December.

Some of the Egg Records

The record for January, 1921, starting with the first, and following in order was: 24, 17, 29, 26, 28, 32, 39, 39, 43, 51, 40, 51, 48, 46, 60, 50, 62, 46, 57, 58, 48, 56, 52, 63, 49, 60, 59, 51, 64, 49, 61. This shows an increase of 63 eggs for the first three days or about one-third an egg a hen for three days; and 174 for the last three or almost an egg a hen. This was almost trebling the rate of laying the first month. In February the increase continued, the record being: 60, 55, 60, 64, 68, 60, 70, 71, 76, 83, 81, 81, 80, 79, 80, 87, 74, 84, 73, 87, 81, 86, 63, 91, 98, 77, 93, 89. This shows an increase of from 192 for the first three days or a little more than one egg a hen to 259 or nearly one and one-half eggs for each hen for the last three days. The daily average for March rose to 100 and for April to 108.

Mr. Schnetzer had no more hens in 1922 than in 1921 but the cash returns he received for January and February in 1921 were only $20.29 and $17.94 respectively, while for the same two months in 1922 he received returns of $29.63 and $38.80. For the entire year of 1921 he sold only $180.37 worth of eggs compared to $322.87 up to December 6, 1922. His hens laid well until in October, when they started to molt. They resumed laying about the first of December.

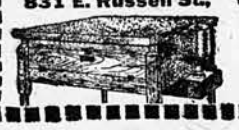
Increases Due to Proper Feeding

This increased egg production was due to better care and intelligent feeding which will apply to any farm flock. Mr. Schnetzer didn't have fancy buildings nor high priced chickens. The labor was, of course, more for the year 1922 but the increased cost of feed was not as high as the value of the increased egg yield. Only about 15 pounds of mash were fed daily which at present prices would amount to about 20 cents while at the same time a dozen of eggs would sell for 40 to 50 cents. If you compare the production of your flock of chickens with the above flock, be sure and remember that this was neither a large nor fancy flock but just a common farm flock of 185 hens.

The Kansas Farmer and Mail and Breeze would like to know with what success co-operative shipping associations have met in Kansas and Colorado this year. Write the Editor of the Farm Letter Department of the Kansas Farmer and Mail and Breeze about what has been done in your community. It will be of interest to everybody.

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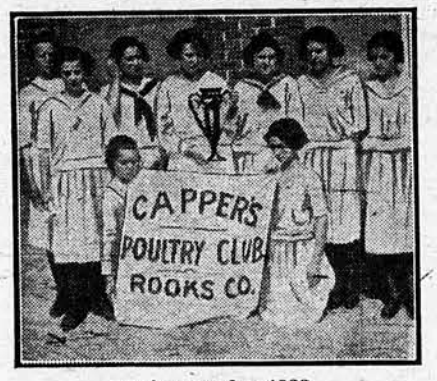
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BY RACHEL ANN NEISWENDER
Club Manager

IT IS an honor, the biggest honor that can come to a county team, to win the big silver pep trophy, and should not we congratulate most highly a team which can win this cup two successive years? It has seemed an impossibility, for competition is keen and workers are many, yet this honor has come to one Kansas county. The girls of Rooks county are the winners for 1922. Three cheers for them!

Need I tell you that these girls are happy? In a letter from Esther Evans, county leader written immediately



Winners for 1922

after she received the good news, she says, "Alice Hansen and I were out playing when papa called me to the telephone, and I could scarcely believe the message I heard—that we had won the cup again this year. Of course, we knew that we had a good chance after the trip to Topeka, but still we were uncertain for other counties were determined to keep up the fight. The other girls are just as delighted as I am. I intend to write to Senator Capper and thank him for having given us the opportunity of winning. How soon will the cup come? We can scarcely wait to see it."

"There's a Reason"

Why are the girls of Rooks county winners? Well, they worked. They had to in order to win, for other counties forced them to do so. Esther Evans was a good leader; she held her team together and led them to victory. But Esther did not win the cup. Every girl—and there are nine of them—and the two mothers gave ungrudgingly of their energy and that energy is rewarded. It was "the everlastin' team-work of every bloomin' soul" in the team that brought the cup to Rooks county for the second time. Hard work, team-work, loyalty, pep and enthusiasm won the cup.

How the Counties Rank

Well, we realize that "victory isn't all in winning," and not only do we take our hats off to the girls who did win the cup, but we give cheers to those who, defeated, are ready to make a fresh beginning. Here is the way the counties stand now:

Rooks	Esther Evans
Morris	Annie Laurie Edwards
Osage	Vera Smith
Linn	Elsie Morrell
Reno	Helen Elizabeth Dale
Cloud	Claire Jamison
Finney	Nina Will
Lyon	Bertha Bechtel
Republic	Erma Murphy
Wallace	Willa Swanson

Certainly no county deserves second place quite as much as does Morris county. With untiring energy and never-failing optimism Annie Laurie Edwards led her team-mates thru a most successful year. Altho but five in number, they worked hard.

Who would think that a team of four girls, all new in club work, could stand third in the final standing? It doesn't seem possible, but that is just what Osage county did, under the leadership of Vera Smith. They held peppy meetings, had a fine county paper, won lots of prizes on their chickens and did many other things to win points for their county. They are going to keep the other teams hustling this year to get the trophy cup.

Linn County Stands High

Again Linn county appears almost at the top of the list and who wonders at that? Linn county has done fine work with Elsie Morrell as leader and the help of nine girls and eight mothers, not to mention the assistance of the fathers, for they have helped, I know.

The pep race in 1922 brought forth many new and original ideas for club meetings. Joint meetings of the pig and poultry clubs in the same county and neighboring counties were very successful. Some very clever programs were planned and worked out. Rain interfered with the meetings planned by Reno and Cloud counties but regardless of the weather man they made fine showings. I wish I might tell you about the meetings and various things done by Reno, Cloud, Lyon, Republic, Finney and Wallace counties, but I'm afraid I would not get home tonight if I did that.

Line Up Now for '23!

"Now, then, Mary," said the teacher, "I want you to tell me what an egg is."

"Yessum," answered Mary, "an egg is a chicken not yet."

That is what our county clubs for 1923 are, "a chicken not yet." We need farm girls and boys to join, for we want 1923 to be the best year ever and we want some peppy teams that will be prize winning "chickens" and "pigs" when the contest is over this year. Fill in the application coupon and mail it to the club managers today.

Capper Pig and Poultry Clubs

Capper Building, Topeka, Kansas
Raymond H. Gilkeson, Pig Club Manager
Rachel Ann Neiswender, Poultry Club Manager

I hereby make application for selection as one of the representatives of

.....county in the Capper

.....Club.
(Write pig or poultry club)

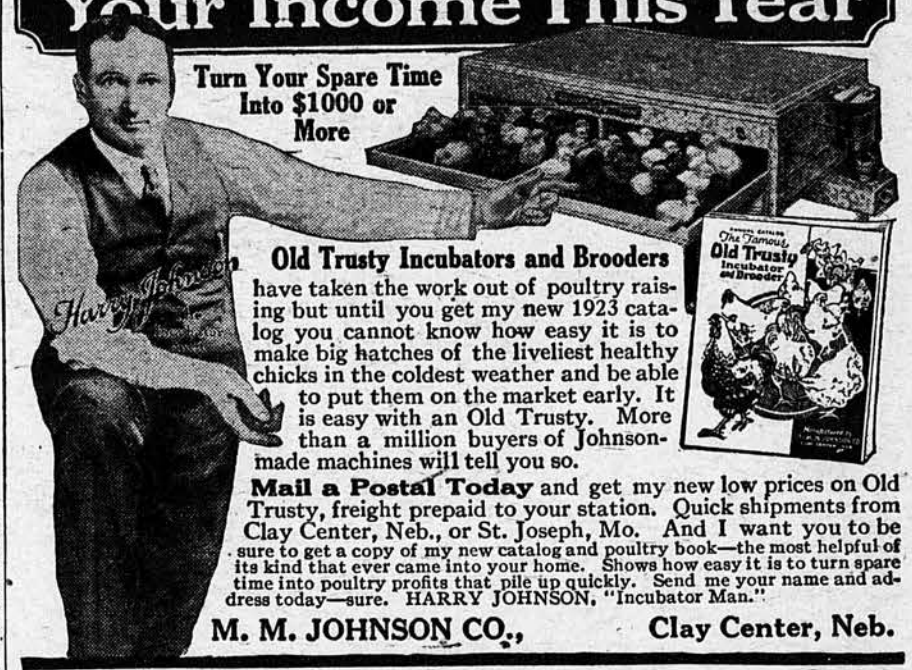
I will try to get the required recommendations, and if chosen as a representative of my county I will carefully follow all instructions concerning the club work and will comply with the contest rules. I promise to read articles concerning club work in the Kansas Farmer and Mail and Breeze, and will make every effort to acquire information about care and feeding of my contest entry.

Signed..... Age.....

Approved.....Parent or Guardian

Postoffice.....R. F. D.....Date.....
Age Limit: Boys 12 to 18; Girls, 10 to 18

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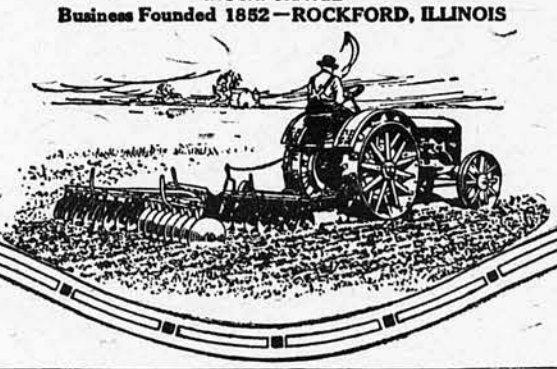
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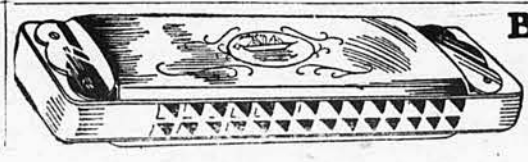
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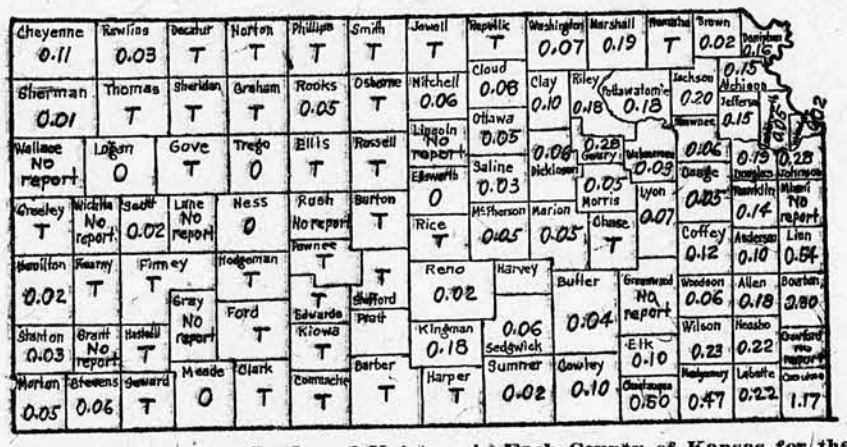
Wheat Needs More Moisture

December Was an Unusually Dry Month and January Thus Far Has Been No Better

BY JOHN W. WILKINSON

BRIGHT sunshiny weather with mild temperatures prevailed last week and the greater part of this week over most of Kansas. In fact, temperatures were scarcely below freezing at nights in the eastern counties and not much lower in the western. On several afternoons the thermometer reached 50 degrees or higher in most sections. The most distressing feature has been the absence of rains or snows of any consequence.

December was an unusually dry month and, according to a recent report of S. D. Flora, state meteorologist of the United States Weather Bureau, more than three fourths of Kansas failed to receive 1-10 inch of moisture from rain and snow during the month of December. A great many central and western counties had no measurable amount at all. The snowfall was the lightest for 10 years. Only light flurries fell, except in some of the northeastern counties, which had from ½ inch to 1 inch. The distribution of moisture by counties is shown in the accompanying map.



Map Showing the Distribution of Moisture in Each County of Kansas for the Month of December. Several Sections Reported No Precipitation

High Winds Cause Damage

This makes the sixth successive dry week that Kansas has experienced. Wheat, of course, would be benefited by a heavy rain or a thick blanket of snow but so far has stood the dry weather well in the eastern two-thirds of the state as it was well supplied with moisture from rains that fell near the middle of November. It has matted down and made little or no growth for some time, but has provided some pasture. In the western third very little of the crop is showing above ground and in the southwest counties some has not sprouted yet. Wheat that is up in the eastern counties is at a standstill from lack of sufficient moisture. High winds did considerable damage on one or two days this week by blowing the soil.

H. M. Bainer, manager of the Southwestern Wheat Improvement Association, believes that the wheat crop of Kansas is in a more or less precarious condition, owing to the lack of moisture thruout the state. "Development of wheat which was planted last fall," he says, "has been retarded by the dry winter until it is far behind what it should be at this time of the year. In the eastern portion of the state where there is more moisture than in the western portion, the wheat has sprouted, but has not provided much in the way of winter pasture.

"There are large areas in the western portion of the state where the seed is still lying ungerminated in the ground, and will lie there until there is moisture to assist it.

Bainer Still Hopeful

"The wheat crop of the state isn't lost, however, by any means," says Bainer, "but it will take a good deal of moisture this winter and next spring if a good crop is to be made."

The rainfall of 38.41 inches for 1922, including melted snow, was less than 2 inches above the yearly normal. June, August and December were unusually dry, March and April were months of the largest excess of rainfall, altho on May 25 about 2.02 inches fell.

Normally, 20 inches of snow falls yearly, but in 1922 the amount was only 7 inches. There were 85 days on which rain or snow fell, nearly 10 days less than the average. The average monthly run of wind was 7,917 miles, whereas the normal is 10,023 miles.

Corn gathering is practically done. Only a few fields here and there remain unhusked. Some plowing was done in the last 10 days in the eastern counties as a result of the abnormally mild weather.

The open winter has left livestock in excellent condition and generally there is an abundance of rough feed and winter pasture for it. Stock water, however, is becoming scarce in several eastern counties.

Special County Conditions

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

Anderson—All kinds of livestock are looking fine, as the weather, during most of the winter thus far, has been exceptionally mild. Roads are in splendid condition. Taxes are somewhat lower this year. Good seed oats are scarce and many inquiries are being made about them. Not many sales are being held at present. Rural market report: Corn, 70 to 75c; hay in stack, $4 to $5; eggs, 36c; butterfat, 54c.—J. W. Hendrix.

Barton—We now are having fine weather. The first snow of the season has not yet made its appearance. Altho some subsoil moisture remains in the ground, more moisture is needed. Livestock is doing well on wheat pasture. Rural market report: Wheat, $1.03; corn, 65c; shorts, $1.60; bran, $1; cream, 48c; eggs 34c; hens, 15c; springs, 12c; geese, 5c; ducks, 8c.—A. E. Greenwald.

Bourbon—We have been having some real winter weather for more than two weeks, but it remains dry and plowing can be resumed as soon as the frost is out of the ground. The cold weather proved a hardship to the late sown wheat but early wheat is looking fine. This winter so far has been very favorable for livestock. Milk cows and poultry bring high prices at public sales. Rural market report: Wheat, 95c; corn, 65 to 70c; eggs, 42c; butterfat, 50c; hens, 16c; ducks and geese, 13c; hogs, $7 to $7.50.—Robert H. Smith.

Chautauqua—We are having the finest weather I have ever seen at this time of the year. All feeds are high in price but the prices still are advancing. Stock cows are worth practically nothing and fat stuff is worth very little more. Wheat is in a satisfactory condition. Rural market report: Corn, 85c; shorts, $1.65; bran, $1.50; eggs, 30c; butterfat, 48c.—A. A. Nance.

Crawford—The weather is fine. Wheat is not looking very well because of a poor stand. Stock is in excellent condition. Corn shucking is finished and the yield is better than was expected. Much winter plowing has been done. Many public sales are being held, but prices are unfair.—H. F. Painter.

Cherokee—The subsoil is very dry as we have not recently had any moisture. Wheat is small but of good color. Much plowing is being done. Rural market report: Hay, 25 to 40c a bale; corn, 70c; oats, 45c; good work horses, $25 to $50 each; chickens, 10 to 15c; butter 45c; milk cows are very low in price.—L. Smyres.

Clay—Corn husking is practically finished. The crop was light in weight. Cutting wood, hauling feed and caring for livestock claims most of the farmer's time. Wheat is beginning to need moisture. Rural market report: Wheat, $1.01; corn, 65c; bran, $1.30 cwt.; shorts, $1.40 cwt.; hogs, $7.25; butterfat, 50c; eggs, 29c; butter, 50c.—P. R. Farslund.

Cloud—A few reports have been made to the effect that some damage has been done to wheat by blowing. Wheat is small and backward. The weather still is dry and mild but colder since the new year. Corn is practically all husked and is being sold to feeders. Cattle are doing well tho feed is none too plentiful. Many cows are coming fresh. Hens have declared a holiday season and eggs are scarce. A few unsatisfactory public sales are being held. Most of the wheat crop has been marketed at $1.10. Rural market report: Corn, 65c; eggs, 30c; cream, 47c; hogs, $7.25.—W. H. Plumly.

Dickinson—Moisture is needed but wheat is in excellent condition. Corn shucking is practically finished. Farmers are getting their winter's wood supply. Wolf hunts are getting rid of many jack rabbits and a few coyotes. All kinds of livestock are thriving on wheat pasture and roughness. Much home butchering is being done. Prices paid for farm products are satisfactory.—G. E. F.

Doniphan—Fine winter weather has enabled most of the farmers to finish their corn shucking. They now are kept busy plowing and cutting wood. Many cattle and hogs are being fed. The wheat acreage is normal. Several orchards will be set out in the spring. Rural market report: Hogs, $8.20; corn, 65c; chickens, 14c; cream, 52c; potatoes, 90c; sweet potatots, $1.—Boyd Ellis.

Ellis—We still are having warm, dry weather. Prospects for next year's wheat crop are not encouraging at this time. Farmers are hoping for moisture soon. Very little old wheat is going to market and very little remains in the farmers' possession. Rural market report: Wheat, $1.05; corn, 70c; barley, 50c; eggs, 35c.—C. F. Erbert.

Ford—We recently had a real dust storm. No moisture has fallen since November 4, and the ground is very dry. Wheat will go thru winter in poor condition if moisture is not received soon. Wolf and rabbit drives are being held. Farmers are butchering. Many cattle are being marketed. Cars for wheat are not so scarce as formerly. Rural market report: Wheat, $1.05; corn, 65c; cream, 47c; butter, 50c; eggs, 35c.—John Zurbuchen.

Gove and Sheridan—The weather is nice and pleasant but is very dry as no snow has fallen. Corn shucking is the order of the day. Considering conditions, the holiday business was good. No public sales are being held. Livestock is doing fine. Feed and coal are plentiful with the present brand of weather but if it gets snowy and cold there will be a scarcity of both. Much wheat and some cane seed is being marketed.—John I. Aldrich.

Graham—December was a month of exceptionally fine weather. Moisture would be very beneficial to the growing wheat, some of which hardly shows above the ground. Corn husking is about finished and the weather for it has been ideal as no snow has fallen and we have had very little bad weather. Some short fed cattle have been shipped out but the returns have been unsatisfactory. The most hopeful farmers still are waiting for prosperity. A few cattle losses have been reported from pasturing corn stalks. All livestock is in good condition. Rural market report: Hogs, $7.30; eggs, 36c; cream, 44c; wheat, $1.05; corn, 60c.—C. L. Kobler.

Gray—We still are having fine weather but we would much appreciate some moisture. The wheat is all right but much of it still is lying dormant. Many fields do not show up green, but moisture from the subsoil keeps it from dying. On New Year's Day we had a dash of snow which covered the ground but was too light to do any good. Rural market report: Corn, 65c; wheat, $1.05; cream, 45c; eggs, 50c.—A. E. Alexander.

Greenwood—No rain of any consequence has fallen for several weeks. Drilling operations for oil are shutting down because of the scarcity of water. The ground is a little too hard to do good plowing. Wheat does not look extra well because of the lack of moisture. Some hay is being baled and shipped. Rural market report: Corn, 75c; kafir, 75c; wheat, $1; eggs, 46c.—A. H. Brothers.

Greenwood—The weather is very dry and warm for this time of the year. Much plowing is being done. Stock is doing well and no feed is being wasted. Very few farm sales are being held. Farmers are well along with the farm work. Rough feed will be plentiful.—John H. Fox.

Harper—Wheat was not injured by the dry freeze. Stock is doing well. Everything is dull in price but the price of wheat is better. A few cases of influenza have been reported.—S. Knight.

Harvey—Fine weather and fine roads continue. The open moist ground makes plowing possible. The mild weather is very favorable to livestock and feed is plentiful. Rural market report: Wheat, $1; corn, 75c; oats, 65c; butter, 40c; eggs, 33c; hens over 4 pounds, 15c; under 4 pounds, 11c.—H. W. Prouty.

Haskell—Prospects for next year's wheat crop are not encouraging. Wheat is lying in the ground as dry as when sown. The acreage is considerably smaller than last year. The winter so far has been very mild and open. Grain cars now are plentiful and considerable wheat is moving to market. Rural market report: Wheat, $1; corn, 65c; barley, 48c.—F. A. Soverign.

Haskell—Many grain cars now are being loaded. Farmers are hauling wheat and kafir. We have had no moisture recently. Row crops are being threshed and farmers are busy with their winter work. Livestock is in fair to good condition. No public sales are being held. Rural market report: Wheat, $1.05; barley, 45c; eggs, 35c.—H. E. Tegarden.

Jackson—Wheat is looking well altho the ground is frozen about 10 inches deep. The weather has been nice, which has greatly facilitated corn husking. All kinds of stock are in very satisfactory condition. The public sale season is about ended. All stock, except horses, bring fair prices. Rural market report: Hogs, $7.50; corn, 62c; wheat, $1.10; alfalfa, $12.50.—F. O. Grubbs.

Jewell—The weather the last 10 days has been ideal and farmers are well caught up with their work. All kinds of livestock are in excellent condition. Very few public sales are being conducted. Prices for horses and mules are very unfair and unsatisfactory. The farmers in general are opposed to the proposed County Unit plan.—U. S. Godding.

Labette—Stock is doing well and wheat looks fine. Much plowing is being done. All farmers should burn over as much ground as possible because with this mild weather too many bugs will live thru the winter. Even the roots of the grass in the meadows is infested with them. Rural market report: Shorts, $1.65; wheat, $1.12; corn, 70c; flour, $1.85.—J. N. McLane.

Lane—Warm, windy, dusty weather has recently been prevailing. Wheat cars are coming in now. Wheat is badly in need of moisture. Hay is scarce and stock still is on pasture. There has been very little change in markets. Cotton cake sells for $55 a ton from the car.—S. F. Dickinson.

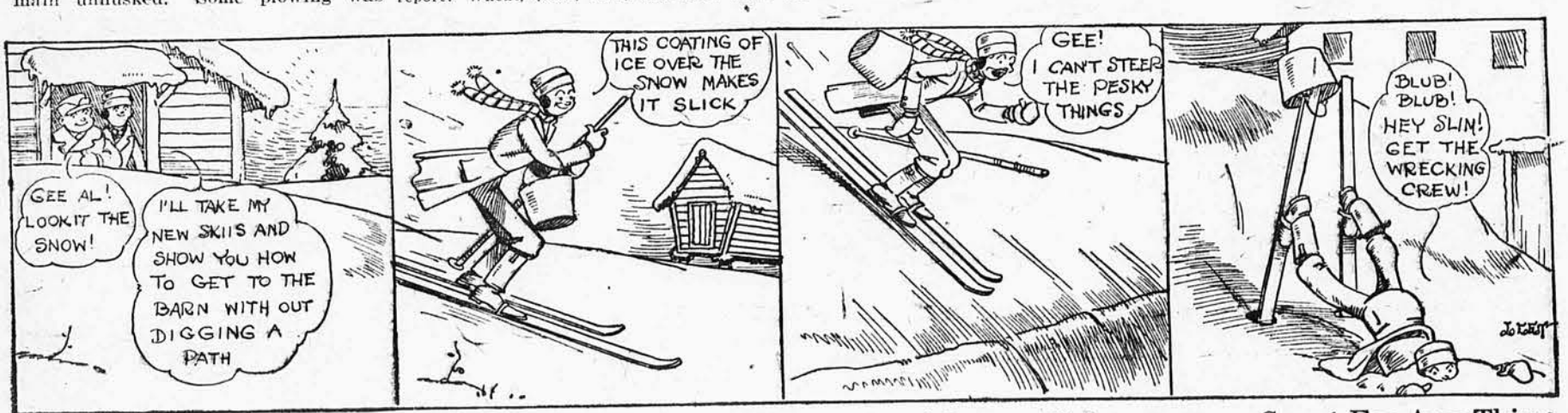
Leavenworth—Wheat is in good condition. Some fields are being pastured. Most of the corn crop is gathered and the yield was very even. The weather is excellent for outside feeding. Rural market report: Butterfat, 50c; skimmilk, 40c a cwt.; corn, 70c; eggs, 45c.—George Marshall.

Linn—Farmers are busily engaged in getting their winter's fuel, cleaning up the barnyards, building, repairing, painting and papering. The weather is ideal. Roads are in splendid order as they are kept up. Much stock has recently gone to market. The ground is frozen and that prevents plowing. Cows are doing well and they sell for from $40 to $50. Rural market report: Hogs, $7.50; cattle, $4 to $6; potatoes, $1; chickens, 15c; eggs, 41c; flour, $1.80c.—J. W. Clinesmith.

Osage—High winds have prevailed this month. There is a scarcity of stock water. Roads are in excellent condition. The county has the appearance of being very prosperous but bank notes and interest are coming due. Only a small amount of kafir and corn remains in the fields. Coal is $1 a ton cheaper as many farmers now are digging it. Corn is selling in wagon load lots at 75 cents a bushel.—H. L. Ferris.

Ottawa—Fine open weather makes it ideal for getting up the wood supply. It also permits a great saving in feed. It is too dry to husk corn out of shock. Gumbo roads north of Salina are being treated with a coating of sand. Much home butchering is being done and porkers are fat and sleek. Rural market report: Wheat, $1.02; hogs, $7.45; milk cows, $45 to $50.—W. S. Wakefield.

(Continued on Page 35)



The Activities of Al Acres—Al Must Have Been Derailed Good and Proper If Appearances Count For Any Thing

Best Feeds for Dairy Cows

Well Planned Rations and Good Quarters Insure Larger Milk and Butter Production

BY J. H. FRANDSEN

DAIRYMEN are feeding milk cows with two objects in mind: First, to get economical maximum production; second, to get this production at the time of year when they may expect best prices for their dairy products. To attain these objects means, of course, that some attention must be paid to more winter dairying and to kinds and quantity of feed to be used. A good feeder always endeavors to get a good understanding of the individual needs of the cows of his herd, and of the composition and palatability of the available dairy feeds.

Amount to Feed

Dairy feeders speak of the "ration of maintenance." By this they simply mean the amount of feed needed to provide heat and energy, and to permit rebuilding of worn-out tissues. The amount of feed necessary to supply actual body needs for the cow is about the same, whether she is milking or dry, and it must be borne in mind that every pound of milk produced by her requires that much additional feed. Roughly speaking in the case of good dairy cows, one-half of the ration fed goes to take care of these body needs, and perhaps the poor feeder makes no more serious mistake than to neglect to supply the cow with the additional feed that she would use entirely for milk production if she had the chance. This should explain the old saying that economic production means liberal, tho not wasteful, feeding. In planning the feeding program, there are some essentials that should be given consideration. Among these are the use of such feeds as will provide a commonsense balance of feeds rich in protein and feeds rich in energy constituents. However, for satisfactory results, this ration must be neither too concentrated nor too bulky. It must have sufficient variety so that the cow does not tire of the ration and lose her appetite. It must be palatable, for it is only when the feeds appeal to the cow that she will consume enough to give the best results. The ration also must be juicy and succulent. Succulent feeds, such as silage or root crops, not only act as a conditioner to keep the cow's digestion in good shape, but they render other feeds more palatable and digestible.

Feed all roughage, such as alfalfa, clover or other hay, fodder and corn silage that the cow will eat up clean. Too much importance cannot be laid on the importance of having part of the roughage of a succulent nature, as corn silage, mangel wurzel or root chops. Generally a dairy cow will eat daily a little more than 3 pounds of silage and about 1 pound of hay, or its equivalent, in addition to silage, for every 100 pounds of live weight. At present prices, the dairyman cannot afford not to feed grain. The cow should be fed about 1 pound of grain mixture daily for every 3½ pounds of milk she gives.

Some Desirable Rations

Considering present prices of homegrown feeds, corn and oats should be used as the principal constitutents of this winter's dairy ration. One good combination consists of 2 parts cornmeal, by weight and 2 parts ground oats.

This ration gives good results with the ordinary farm cow where maximum production is not sought.

Another good winter feed consists of 2 parts corn, by weight, 2 parts oats and 1 part oilmeal.

This ration will prove more satisfactory than the first ration when fed to high producing cows which are unable to get sufficient protein out of bulky feed like alfalfa.

A third feed is made up of 2 parts corn chop, by weight, 2 parts wheat bran, 1 part cottonseed or oilmeal, and 1 part ground oats.

This ration should yield good results where the cows must depend for roughage on silage, mixed hay, corn fodder and kafir.

A fourth feeding of mixture consists of 2 parts cornmeal, by weight, 1 part ground oats, and 2 parts wheat bran.

Some General Suggestions

Good feeders must be familiar with the composition of available feeds. Roughly speaking, for every part of protein the cow gets, she should have 5½ parts of energy constituents. Rations should be slightly laxative in effect. Feeds which have a laxative tendency are oilmeal, molasses feeds, alfalfa, roots and pasture grasses, and corn silage. Those having a constipating effect are cottonseed meal, corn stover and millet hay.

The following brief and simple rules will aid in determining the amount of feed required by each cow:

First—Feed all the rouhage, such as alfalfa and corn silage that the cow will eat up clean.

Second—Feed approximately 1 pound of grain for every 3½ pounds of milk produced per day.

Third—Give the cows as much feed as they will consume without gaining in weight.

Fourth—Feed some succulent feed, such as corn silage or roots, to make the ration more palatable.

Dairying is Always Profitable

BY K. L. HATCH

NO MATTER what trials beset agriculture, dairying is and will always continue to be one of its profitable and its most secure ventures. The reasons are not far to seek. Ever since the days of primitive man the human race has used large proportions of animal food. As population presses, meat is partially replaced by vegetables in the diet. Nowhere, however, has animal food been entirely abandoned. Since the dairy cow is the most economical producer of human food from the grain and roughages of the farm, the increased consumption of dairy products is coincident with the increase of human population. This is one vital reason why dairying must continue.

The cow has been most appropriately designated "the foster mother of the human race." Childhood's dependence upon milk for its normal growth and healthy development is so absolute, and so vital to our national welfare that dairy farming is rapidly coming to be the one indispensable industry.





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THAT every cow owner in the country may know the benefits of Bag Balm, the great healing ointment, we are sending ABSOLUTELY FREE to NEW USERS a liberal trial package. Just clip and mail this ad, giving dealer's name and your name and address.

Bag Balm keeps teats and udder normal and free from cuts, scratches, chaps, bruises and sores. Heals any inflammation, congestion or hardened tissue. Quickly relieves Caked Bag. Valuable in treating Bunches and Cow Pox.

General stores, druggists and feed dealers sell the big 10-ounce package at 60c. Sent direct if dealer is not supplied. Ask for useful free booklet, "Dairy Wrinkles."

Dairy Association Co., Inc., Dept. W, Lyndonville, Vt.

Big 10 oz. Can 60¢

Write for Book Today



FARM WAGONS

High or low wheels—steel or wood—wide or narrow tires. Steel or wood wheels to fit any running gear. Wagon parts of all kinds. Write today for free catalog illustrated in colors.

ELECTRIC WHEEL CO., 30 Elm Street, Quincy, Ill.

$24.95 Upward ON TRIAL

American FULLY GUARANTEED CREAM SEPARATOR



A SOLID PROPOSITION to send new, well made, easy running, perfect skimming separator for $24.95. Closely skims warm or cold milk. Makes heavy or light cream. Different from picture, which illustrates larger capacity machines. See our easy plan of

Monthly Payments

Bowl a *sanitary marvel*, easily cleaned. Whether dairy is large or small, write for free catalog and monthly payment plan.

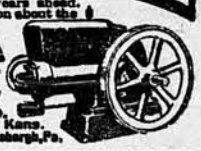
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AMERICAN SEPARATOR CO. Box 3092 Bainbridge, N. Y.

1923 MODEL INTRODUCTORY SALE

Wonderful new engine—5 years ahead. Get full information about the

OTTAWA



Throttle Governor Kerosene Engine. Sold direct, at Factory Prices. Free Book—Write today!

OTTAWA Mfg. CO. 551-S King St., Ottawa, Kans. Dept. 551-S Magee Bldg., Pittsburgh, Pa.

Chinese Good Luck Ring



Are you lucky? If not, get a Good Luck Ring. This mystic Chinese symbol of good luck, health, long life, happiness and prosperity has been looked upon with the deepest reverence by the Chinese for centuries. Oriental superstition, of course, is not accepted as facts, but thousands of wearers believe this ring brings them good luck. It is odd, attractive, beautiful, made of solid sterling silver, and worn by rich and poor. Every man, woman, boy or girl should have one. It is the fad of the hour the country over.

Send No Money! We are going to give away thousands of these Chinese Good Luck Rings FREE and POSTPAID. Be the first in your locality to have one—just send me your name and address and I will send you postpaid four packages of high grade postcards in Holiday, Best Wishes, Greetings and other designs to give away free on our big liberal 25c offer. A couple of hours' easy work among your closest friends brings this Good Luck Ring to you. Write today. A postcard will do. Just say, "I want a Chinese Good Luck Ring." Give size of ring you wear.

GOOD LUCK RING, Dept. 53, Topeka, Kansas

Blatchford's CALF MEAL



Write for chart No. C-29, "How to Feed Calves," giving important authoritative information for farmers. Sent you *FREE*.

BLATCHFORD CALF MEAL CO. Waukegan *In business over 123 years* Ill.

25 Marbles Free!

The Marble season will soon be here. How would you like to have a sack of 25 Flint Agates, all different colors? Imagine yourself kneeling down to a game of "Boston" with a hand full of Marbles that would attract the eye of every boy. They will all be wanting the chance to win some of your Marbles, and the minute the game starts they will be anxious to get a shot at your Marbles first. There is not a pottery in the bunch. Each Marble has a variation of several different colors. Just the right size for accurate shooting.



Not a Pottery in the Bunch

SEND NO MONEY

I want every boy reader of this paper to have a sack of Marbles. Just send your name and address on a post card, and I will tell you how to get a sack of Marbles without a cent of cost. A few minutes on our liberal offer will bring you a sack of 25 Flint Agates.

M. Berry, Marble Dept. 60, Topeka, Kan.

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.

TABLE OF RATES

Words	One time	Four times	Words	One time	Four times
10	$1.00	$3.20	26	$2.60	$ 8.32
11	1.10	3.52	27	2.70	8.64
12	1.20	3.84	28	2.80	8.96
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
18	1.80	5.76	34	3.40	10.88
19	1.90	6.08	35	3.50	11.20
20	2.00	6.40	36	3.60	11.52
21	2.10	6.72	37	3.70	11.84
22	2.20	7.04	38	3.80	12.16
23	2.30	7.36	39	3.90	12.48
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

WE PAY $200 MONTHLY SALARY, FURnish rig and expenses to introduce our guaranteed poultry and stock powders. Bigler Company, X671, Springfield, Ill.

BIG PROFITS WITH EXCLUSIVE TERRItory—$50 to $100 weekly easy. More has been made repeatedly in one day's work. Wonderful invention delights householders. Automatic hot and cold water bath outfit without plumbing; only $7.50. Eager buyers everywhere. Send no money. Terms. Write today. Allen Manufacturing Co., 697 Allen Bldg., Toledo, Ohio.

MALE HELP WANTED

MAN FOR DAIRY FARM WITH SOME money. Box 457, Ellsworth, Kan.

SERVICES OFFERED

PANEL, PLEATING, HEMSTITCHING. Mrs. M. J. Mercer, 800 Topeka Blvd., Topeka, Kan.

BUSINESS OPPORTUNITIES

SELL US YOUR SPARE TIME: WE WANT a reliable man or woman in every community to work for us in their spare time. You will like our plan. Many people receive liberal checks from us each week. You can do the same. Write to the Circulation Manager, Capper Publications, Topeka, Kansas, and simply say, "Tell me how to turn my spare time into dollars."

WE WANT AT ONCE A RELIABLE MAN or woman in each town in Kansas to look after new and renewal subscriptions for the Capper Publications. Work either full time or part time. If you are now doing house to house soliciting, take our work on as a side line and increase your income materially. For full particulars write at once to Desk 200, Capper Bldg., Topeka, Kansas.

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.

EDUCATIONAL

FINLAY ENGINEERING COLLEGE, K. C., Mo. Electricity, Steam, Armature Winding, Auto-Electric, Drafting. 6 weeks to 2 years. Day and night. Enroll now. Write for catalog.

GET U. S. GOVERNMENT JOBS. MEN-women, $100-$195 month. List positions obtainable free. Write immediately. Franklin Institute, Dept. N15, Rochester, N. Y.

FOR THE TABLE

PEANUTS—10 QTS. $1.00, POSTAGE PAID. W. A. Morrison, Hagerman, Texas.

5½ POUNDS FULL CREAM CHEESE $1.65 postpaid in Kansas. Roy C. Paul, Moran, Kan.

COLORADO PINTO BEANS SPLIT IN threshing and recleaned, per 100 pound sack $3.25. Jackson's Seed House, Woodward, Okla.

$3.50 FOR 100 POUNDS BEAUTIFUL clean white new crop table rice in double sacks, freight collect. Safe delivery guaranteed. J. Ed. Cabaniss, Box 90, Katy, Tex.

WANT TO BUY

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.

We sold our outfit the first week after the ad was put in. Do not run any longer.—L. B.

PATENT ATTORNEYS

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

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.

PATENTS — BEFORE SUBMITTING INvention, write for information concerning procedure, cost, and ability of attorney. These promptly furnished. References to clients in your state. B. P. Fishburne, Registered Patent Lawyer, 381 McGill Bldg., Washington, D. C.

MILLIONS SPENT ANNUALLY FOR ideas! Hundreds now wanted. Patent yours and profit. Write today for free books—tell how to protect yourself, how to invent, ideas wanted, how we help you sell, etc. Patent Dept. 402, American Industries, Inc., Washington, D. C.

PATENTS PROCURED — TRADE MARKS registered. A comprehensive, experienced, prompt service for the protection and development of your ideas. Preliminary advice gladly furnished without charge. Booklet of information and form for disclosing idea free on request. Richard B. Owen, 34 Owen Building, Washington, D. C.

PATENTS—WRITE TODAY FOR FREE instruction book and Evidence of Conception blank. Send sketch or model for examination and opinion; strictly confidential. No delay in my offices; my reply special delivery. Reasonable terms. Personal attention. Clarence O'Brien, Registered Patent Lawyer, 743 Southern Building, Washington, D. C.

TOBACCO

TOBACCO — KENTUCKY'S PRIDE, RICH, mellow chewing, ten pounds $3; smoking, ten pounds $2; twenty pounds $3.50. Farmer's Club, Mayfield, Ky.

KENTUCKY TOBACCO — THREE YEAR old leaf. Pay for tobacco and postage when received. Chewing 5 lbs. $1.65; smoking 10 lbs. $1.50. Farmers' Grange, D110, Hawesville, Ky.

NATURAL LEAF TOBACCO. CHEWING 5 pounds $1.75; 10 pounds $3.00; 20 pounds $5.00. Smoking 5 pounds $1.25; 10 pounds $2.00. Pay when received. Tobacco Growers' Union, Paducah, Ky.

HOMESPUN TOBACCO, CHEWING, 5 pounds $1.75; 10 pounds $3.00; 20 pounds $5.00. Smoking, 5 pounds $1.25; 10 pounds $2.00; 20 pounds $3.50. Send no money; pay when received. Co-operative Tobacco Growers, Paducah, Ky.

HONEY

PURE EXTRACTED HONEY, 2½ pounds 60c; 5 pounds $1.10; 10 pounds $2.00, prepaid. Frank Van Haltern, Wathena, Kan.

FINEST LIGHT EXTRACTED HONEY 28 lb. can $3.50; 60-lb. $6.50; 120-lb. $12.00; here. Frank H. Drexel & Sons, beekeepers, Crawford, Colo.

TYPEWRITERS

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

SEEDS—PLANTS—NURSERY STOCK

SHAWNEE WHITE SEED CORN. J. A. Ostrand, Elmont, Kan.

STRAWBERRY PLANTS $3.00 PER 1,000. List free. J. Sterling, Judsonia, Ark.

KANOTA OATS, RECLEANED, $1.25; smut-treated, $1.35. Taylor & Sons, Chapman, Kan.

SEED SWEET POTATOES, 16 VARIETIES. Write for prices. Johnson Bros., Wamego, Kans.

KANOTA OATS, PURE BRED, RE-cleaned, sacked, $1.00. Harry Haynes, Grantville, Kan.

CERTIFIED SEED, KANOTA OATS $1.35. Three varieties corn $2.00. Laptad Stock Farm, Lawrence, Kan.

SWEET CLOVER, RICH, PERMANENT luxuriant pasture. Seed farmers' prices. Information. Write John Lewis, Virgil, Kan.

DO YOU NEED PASTURE? SWEET CLOver, permanent, nutritious, heavy yielding, cheap. Information. John Lewis, Virgil, Kan.

WANT TO BUY 25 BUSHELS OR MORE Sudan grass seed. Must be good. Send sample and price. T. C. Goff, Pawnee, Okla., Box 132.

KANOTA OATS $1.25; PRIDE OF SALINE, Freed's White Dent, Kansas Sunflower corn $2.00; Blackhull Kafir, $1.75. Bruce S. Wilson, Keats, Kans.

CANE SEED WANTED. WRITE QUANtity, kind and price. Will look at 600 bushel or more in field. The L. C. Adam Merc. Co., Cedarvale, Kan.

WANTED — SWEET CLOVER DIRECT from farmers. Anywhere from a bushel to carload lots. Top prices. Cash with order. Address Box 42, Hilltop, Kan.

FOR SALE—CERTIFIED SEED OF KAFIR, Sorgo, Milo Maize, Corn, Sudan Grass and Kanota Oats. For list of growers write the Kansas Crop Improvement Association, Manhattan, Kan.

DEPENDABLE FRUIT AND SHADE trees, shrubbery, small fruits, roses, vines, perennials, plants, bulbs and supplies. 48 page catalog free. Hutchinson Nurseries, Kearney, Neb.

SWEET CLOVER SEED, WHITE OR YELlow. Recleaned, hulled $7 bushel. Unhulled 8 cents lb. Alfalfa $6.00 bushel. Sacks 35 cents each. Robert Snodgrass, Augusta, Kan.

FRUIT TREES, GRAPE VINES, PLANTS, and roses—grown by experts. Buy direct from growers at wholesale bargain prices. Everything guaranteed. Write for big free catalog. Bradley Brothers, Makanda, Ill.

FOR SALE—MILLIONS OF STRAWBERRY and other plants. Standard varieties. Everbearing Strawberries, Raspberries and Blackberries; Asparagus roots, Shrubs, Roses, etc. Alexander Co. Nurseries, McClure, Ill.

PLANT KUDZA FOR HAY, PASTURE. More nutritious than alfalfa, yields more. Thrives on poor soil without lime or fertilizer. Never has to be replanted. Write for information. Cherokee Farms, Monticello, Fla.

FREE—SEND FOR FREE BOOK ON hardy trees, plants, shrubs, vines, and Seeds, from the heart of the Ozarks. Ideal for reference. Lists hundreds of varieties at low prices; directions for planting; special offers, etc. Book free; write today. Arkansas Seed & Nursery Co., Dept. G2, Fayetteville, Ark.

QUALITY TREES AND PURE SEEDS FOR spring planting. Our trees are thrifty, whole rooted, free from disease, and priced at reduced wholesale prices. Northern grown quality seeds that grow and satisfy. Send today for our catalogue and price lists which are full of valuable information to the planter. Wichita Nurseries and Seed House, Box B, Wichita, Kan.

SEEDS—PLANTS—NURSERY STOCK

GOLDMINE SEED CORN, $2.00 PER BUSHel. Samples free. J. F. Feigley, Enterprise, Kan.

FOR SALE: CHOICE KAFIR SEED. Blackhull, Pink, Sunrise $2.25 bu. 100 bushel lots $2.00 bu. L. C. Walbridge, Russell, Kan.

KODAK FINISHING

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

BUILDING SUPPLIES

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

HAY

FOR SALE: THREE CARS PRAIRIE HAY. Phil Heigele, Wilsey, Kan.

MACHINERY FOR SALE

GOOD MINNEAPOLIS 36x56. Price $400. H. O. Fleischer, Ingalls, Kan.

BIG CAPACITY, NEARLY NEW SANDwich hay baler, $250. Jacob Friesen, Box 575, Meade, Kan.

EIGHT ROLL MAYTAG SHREDDER; 28x48 steel Rumely Separator, both nearly new. Ira Emig, Abilene, Kan.

FOR SALE—ONE SINGER SHOE REPAIR machine, in A-1 shape. Price $30.00. S. M. Wyatt, Atlanta, Neb.

MISCELLANEOUS

FOR SALE CHEAP: BURROUGHS ADDing machine. F. Weeks, Belleville, Kan.

CONTAGIOUS ABORTION PREVENTED. R. Harold, 1006 Houston Street, Manhattan, Kan.

CATALPA POSTS: CAR LOTS, SOUND, well seasoned; grades one and two. Harry Oldfather, 412 W. Second St., Wichita, Kan.

TELL THREE NEIGHBORS WE TRADE phonograph records and player rolls, giving new for old. Send their names and 12c and we will send you prepaid, eight games complete. Fuller Phonograph Exchange, Wichita, Kan.

AUTOMOBILE MECHANICS, OWNERS, garagemen, repairmen, send for free copy America's Popular Motor Magazine. Contains helpful instructive information on overhauling, ignition, wiring, carburetors, batteries, etc. Automobile Digest, 622 Butler Bldg., Cincinnati.

DOGS AND PONIES

PURE BRED AIRDALE PUPPIES. $15.00 each. Lewis Bauer, Lawrence, Kan., Route 9.

ENGLISH SHEPHERD PUPS; NATURAL workers. Clarence Harris, care of Paul Croft, Fairfield, Neb.

COLLIE SHEPHERD PUPPIES, FROM natural heeler. $2.00 and $4.00 each. Homer Irwin, Leroy, Kan.

SHETLAND PONIES FOR CHILDREN; also for breeding purposes. D. B. Grutzmacher, Westmoreland, Kan.

FOR SALE: SHETLAND PONIES. WRITE for description, ages, prices. Reducing herd. W. I. Swain, Swain Ranch, Dwight, Kan.

SHEPHERD PUPS FROM NATURAL heelers. Excellent stock and watch dogs. Males $8.00; females $6.00. Frank Lott, Danville, Kan.

GERMAN SHEPHERD; AIREDALES; COLlies; Old English Shepherd dogs; puppies. 10c illustrated instructive list. W. R. Watson, Box 31, Macon, Mo.

FOR SALE: PURE BLOOD CROSS, RUSsian Wolf Hounds, English Grey Hounds, eighteen months old. Female $16.00, male $22.00 f.o.b. Dwight, Kan. Send express or postal money order. Reference, bank. W. I. Swain, Swain Ranch, Dwight, Kan.

FARMERS' CLASSIFIED AD

USE THIS FORM—IT SAVES DELAY

Mail This to

Kansas Farmer and Mail & Breeze

Topeka, Kansas

Rate: 10 cents a word on single insertion; 8 cents a word each week if ordered 4 or more consecutive weeks. Minimum charge is $1.

Count initials or abbreviations as words

Fill This, Please!

Your Count of ad.....Words

No. times to run.....

Amount enclosed $.....

Place under heading of.....

(Your Name) Route

(Town) (State)

NOTE: Count your name and address as part of advertisement.

STRAYED NOTICE

TAKEN UP BY JULIUS HEPTIG OF POTtawatomie County, Kan., on January 2, 1922, 1 red steer calf about 6 months old, no marks or brands. J. B. Claywell, County Clerk, Westmoreland, Kan.

TAKEN UP BY W. H. McANINCH OF Blue township, Pottawatomie county, Kan., on December 26, 1922, one Red Duroc Jersey sow, weight about 250 pounds, undercut in left ear. Mrs. J. B. Claywell, County Clerk, Pottawatomie county, Westmoreland, Kan.

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

EXTRA FINE DARK ANCONA COCKERels $2.00. Mrs. Chas. Kiser, Mankato, Kan.

SHEPPARD STRAIN ANCONA COCKERels, Bantams, $2.00 each. Ray Springer, Stockdale, Kan.

EXTRA GOOD DARK ANCONA COCKerels $1.00 up. Satisfaction guaranteed. Julia Ditto, Newton, Kan., Route 7.

QUALITY SINGLE COMB ANCONAS. Champion winners, great layers. Sheppard's direct cockerels, eggs, baby chicks. Discount 500, 1,000. Oak Grove Ancona Farm, Dannebrog, Neb.

ANDALUSIANS

PURE BRED ANDALUSIAN COCKERELS and pullets $2.00 each. Chas. C. Miller, White City, Kan.

BRAHMAS

LIGHT BRAHMA COCKERELS $2.50 EACH. Johanna Meier, Prescott, Kan.

LIGHT BRAHMA COCKERELS, $3, $5 each. Eggs in season. Mrs. Harry Hayman, Formoso, Kan.

BABY CHICKS

BABY CHICKS, LEADING VARIETIES, booking orders now. Clanin's Hatchery, Jewell, Kan.

QUALITY CHICKS. EARLY SPRING DElivery. Ten varieties. Jenkins Poultry Farm, Jewell, Kan.

BABY CHICKS. THIRTEEN VARIETIES. Send for illustrated catalogue. Smiley's Hatchery, Seward, Neb.

HOLLYWOOD STRAIN WHITE LEGHORN baby chicks $15.00 per 100. Huff's Leghorn Farm, Chapman, Kan.

WHITE WYANDOTTE BABY CHICKS, strictly Keeler strain, 14c each, postpaid. Mrs. Geo. Dowine, Lyndon, Kan.

BABY CHICKS, HIGH QUALITY STUFF. Priced right. Delivery guaranteed. Windsor Hatchery, Box B. M., Windsor, Mo.

BABY CHICKS. S. C. WHITE LEGHORNS, heavy winter layers. Book your order now. Queen Hatchery, Clay Center, Kan.

ROSE COMB WHITE MINORCA COCKerels. Baby Chicks, low prices, pure bred, 10 varieties. Nead's Hatchery, Westphalia, Kansas.

75,000 CHIX. PRICED RIGHT. POPULAR varieties. 11th season. Free catalog. Devil's Glen Poultry Farm, Bettendorf, Iowa, Box 2.

YOUNKIN'S CHICKS — FOR FEBRUARY and March delivery, 12c up. Write for prices. Younkin's Hatchery, Wakefield, Kan.

BABY CHICKS, STRICTLY PURE BRED. 12 popular breeds. Lowest prices. Circular free. Missouri Chickeries, Box MX, Clinton, Mo.

200,000 BABY CHICKS TO SELL. YOU buy the best for the least money, guaranteed alive, from Colwell's Hatchery, Smith Center, Kan.

BABY CHICKS—HEAVY BREEDS 17c, Leghorns 15c. Pure bred stock. Live delivery guaranteed. L. L. Allen Hatchery, Box 498, Clay Center, Kan.

SINGLE COMB WHITE LEGHORNS FROM heavy winter laying strain; pure bred. Get prices; February delivery; prepaid. Myers Hatchery, Clay Center, Kan.

PURE BRED BABY CHICKS, LEADING varieties, 9c up. Catalog free. Compare our quality and prices with others. Brewer's Hatchery, Minneapolis, Kan.

BABY CHICKS—BARRED ROCKS, REDS, White Wyandottes, Anconas, White Legborns, mixed breed; 10c up. Cochrane Hatchery, 3149 Sutton, Maplewood, Mo.

HIGHEST QUALITY BABY CHICKS—ANY variety. Prices reasonable. Breeding stock for sale. Write for catalog. Parsons Poultry Farm Hatcheries, Parsons, Kan.

BABY CHICKS: ROCKS, REDS, ORPINGtons, Leghorns. Orders filled year round. Reasonable prices. Ivy Vine Hatchery, Floyd Bozarth, Manager, Maple Hill, Kan.

CHICKS AS HARDY AS MISSOURI MULES. Pure bred flocks carefully culled by specialist. Quality guaranteed. Nine varieties. Premium Hatchery, Warrensburg, Mo.

BABY CHICKS FROM HEAVY EGG PRODucing strains. Live delivery guaranteed. Fifteen leading pure breeds. Catalog free. Smith Brothers Hatcheries, Mexico, Mo.

BABY CHICKS—PURE BRED, LEADING varieties, lowest prices, quality and live delivery guaranteed, postpaid. Catalogue. Calhouns Poultry Farms, Montrose, Mo.

BABY CHICKS: ROSE COMB REDS, Buff Orpingtons, White and Barred Rocks, Barron Leghorns. Leghorns $10; others $12-100. S. F. Rowe, Scranton, Kan.

CHICKS: ALL KINDS. STRICTLY PURE bred. Lowest prices. Large illustrated catalog and poultry book free. Send for your copy today. Comfort Hatchery, Windsor, Mo.

CHICKS. PURE BRED-TO-LAY. LEADING varieties. Low prices. Our instructive catalog free. We hatch our own chicks. Hubers Reliable Hatchery, Dept. A, Hiawatha, Kan.

STERLING QUALITY CHICKS FROM 14 varieties pure bred certified stock. Prices right. P. F. Clardy, Mammoth Hatchery, Highland View Poultry Farm, Box 2, Ethel, Mo.

ROSS BABY CHICKS, 350,000 FOR THIS season. Ten standard breeds. Write for catalog and prices. First hatch last of February; two hatches a week thereafter. Ross Hatchery, Junction City, Kan.

BABY CHICKS

BABY CHICKS. 15 LEADING VARIEties. 2½ million for 1923. The kind that lay early. Large, vigorous, fluffy kind. Lowest prices. Send for large catalog. D. T. Farrow Chickeries, Peoria, Ill.

BABY CHICKS, POPULAR VARIETIES. Pure bred pens and small flocks, scientifically mated. All chicks acclimated before shipped. 100% delivery guaranteed. H. R. Hatchery, Box B. M., Windsor, Mo.

BABY CHICKS. 20 VARIETIES. 50,000 weekly. From Hogan Tested Flocks. Miller Baby Chicks are shipped via prepaid parcel post. Safe delivery guaranteed. Over 10,000 pleased customers. 20th season. Big catalog free. Miller Poultry Farms, Box 611, Lancaster, Mo.

BABY CHICKS — SINGLE COMB WHITE Leghorns—25,000 weekly. English and American. 180 to 250 Egg Strain. Via prepaid parcel post. Safe delivery guaranteed. Catalog free. 6th season. Miller-Matlick Hatchery, 821 Franklin St., Kirksville, Mo.

BABY CHICKS, BARRED AND WHITE Rocks, White and Brown Leghorns, Buff Orpingtons, White Wyandottes and Black Langshans; also eggs. Write for circular. All chicks are pure breed, hatched right, and from farm range flocks. Earl Summa, Gentry, Mo.

GUARANTEED CHICKS AND HATCHING eggs. Winter Egg Strain, English S. C. W. Leghorns highest and pedigreed egg line, big type, finest equipped poultry farm and the largest breeders in many states. Beautiful catalog ready, pictures of home plant and stock. Complete description. Get acquainted with us. Grandview Poultry Farm, Decatur, Iowa.

BABY CHICKS: PURE BRED, BARRON strain, English White Leghorns from extra selected heavy producing farm range stock. Excellent winter layers. $13.00 and $15.00 per 100. We also hatch Rocks, Reds, and White Wyandottes. Catalog. Johnson's Hatchery, 109 Buchanan Street, Dept. A, Topeka, Kan.

DAY OLD CHIX—WHITE WYANDOTTES, Buff Orpingtons, Buff Rocks, Rose and Single Comb Reds; Buff, White and Barred Rocks; Black Langshans; Anconas; Buff, White and Brown Leghorns, 11c to 17c. 25 or more delivered alive by prepaid parcel post. Hatched right, by the electric way. Edward Steinhoff & Son, Leon, Kan.

CAMPINES

FINE SILVER CAMPINE COCKERELS. Three $5.00. Della Wood, Milan, Kan.

DUCKS AND GEESE

WHITE CHINESE GEESE, $2.50, $3.00. Herb Wilson, Holton, Kan.

WHITE PEKIN DUCKS AND DRAKES, $1.50 each. M. S. Freeberg, McCune, Kan.

FINE BUFF ORPINGTON DRAKES $3.00 each. Mattie Johnson, Grantville, Kan.

PURE BRED EMBDEN GANDERS $3. ONE Bronze Tom $8.00. Mrs. Laura Lewis, Walnut, Kan.

WHITE PEKIN DRAKES, 9 LB. $2.00. Fancy Toulouse Geese, 16 lb. $3.00. Charles Sigle, Lucas, Kan.

INDIAN RUNNER DRAKES, FAWN AND White, $2.50 to $5.00 each. Sent on approval. H. A. Dressler, Lebo, Kan.

GEESE: TOULOUSE, AFRICAN, EMBDEN. Ducks: Pekin, Rouen, Runner, Muscovey. Price reasonable. John Hass, Bettendorf, Ia.

INDIAN RUNNER DUCKS, FAWN AND White. Best laying strain. Drakes $2.50, Ducks $2.00. Mrs. Helen Romary, Olivet, Kan.

PURE BRED WHITE AND FAWN INDIAN runner ducklings and baby chicks. Live arrival guaranteed. Superior Duck Farm, Box M&B, Windsor, Mo.

HAMBURGS

COCKERELS; SILVER SPANGLED HAMburgs direct from certified flock, $2.00. Mrs. J. E. Torrance, Kingsdown, Kan.

LANGSHANS

BIG BLACK LANGSHAN COCKERELS, March-April hatched, laying strain, utility and show stock. Osterfoss, Hedrick, Iowa.

LEGHORNS

ROSE COMB BROWN LEGHORN COCKERels $1.00. Robt. Burns, Pomona, Kan.

BARRON'S S. C. WHITE LEGHORN COCKerels. Otie Cunningham, Formoso, Kan.

S. C. LIGHT BROWN LEGHORN HENS, pullets. Cecil McMahon, Marysville, Kan.

ROSE COMB WHITE LEGHORN COCKerels $1.00. Uriah Siabach, Conway, Kan.

CHOICE SINGLE COMB WHITE LEGHORN cockerels $1.50. Albert Williams, Portis, Kan.

FERRIS LEGHORNS; COCKERELS $1.50, pullets $1.00. Sarah E. Rollins, Gretna, Kan.

PURE BRED ROSE COMB WHITE LEGhorn cockerels $1.25. Fred Dyker, Greeley, Kan.

SINGLE COMB BROWN LEGHORN COCKerels $1.00 each. Mrs. G. V. Barr, Harper, Kan.

PURE BRED SINGLE COMB WHITE LEGhorn cockerels $1.25. A. S. Royse, Udall, Kan.

SINGLE COMB DARK BROWN LEGHORN cockerels $1.00. Mrs. Leslie Dalton, Virgil, Kans.

R. C. BUFF LEGHORNS, PULLETS, HENS and cockerels. Mrs. Perry Myers, Fredonia, Kan.

CHOICE ROSE COMB WHITE LEGHORN cockerels $1.50 each. Mrs. Elsie Gilmore, Leroy, Kan.

PURE SINGLE COMB BUFF LEGHORN cockerels $1.00 and $1.50. Barney Kramer, Baileyville, Kan.

PURE ROSE COMB BROWN LEGHORN cockerels $1.25 each. Mrs. Art Johnson, Concordia, Kan.

ROSE COMB LEGHORN HENS (YOUNG) $15 dozen. Kulp strain. Mrs. Ethel Wagner, Kinsley, Kan.

PURE BRED S. C. B. LEGHORN COCKerels, priced for quick sale. J. E. Lockhart, Meade, Kan.

BARRON LEGHORNS, SHEPHERD ANcona cockerels; culled. Classified by Burke expert culler. 200, 250, 300 egg capacity. $2.00 up. Edw. Mast, Hutchinson, Kan.

LEGHORNS

25 IDEAL S. C. BUFF LEGHORN COCKerels $1.50 each if taken soon. W. R. Nelson, Ellsworth, Kan.

WORLD'S BEST WHITE LEGHORN Chicks, 10 to 20 cents. Clara Colwell, Smith Center, Kan.

PURE FEBRUARY SINGLE COMB BROWN Leghorn pullets $15.00 per doz. H. W. Dickson, Quenemo, Kan.

SINGLE COMB DARK BROWN LEGHORN cockerels $1.00 each; 6 for $5.00. Gust Allen, Maple Hill, Kan.

SINGLE COMB WHITE LEGHORN COCKerels $2.00, $1.50; pullets 75 cents. Mrs. Paul Crow, Plymell, Kan.

SINGLE COMB WHITE LEGHORN COCKerels $2.00 each; six for $10. Mrs. H. Peterson, Mahaska, Kan.

PURE CHOICE ROSE COMB DARK brown Leghorn cockerels $1.25. Mrs. Chas. Line, Haddam, Kan.

PURE ROSE COMB BROWN LEGHORN cockerels $1.25; hens and pullets $1.00. Albert Stahl, Louisburg, Kan.

PURE BRED SINGLE COMB WHITE LEGhorn cockerels $1.00 each. Barron strain. Agnes Wilson, Grantville, Kan.

ROSE COMB BROWN LEGHORNS. COCKerels from selected winter layers, $1.25 each. W. Giroux, Concordia, Kan.

S. C. BUFF LEGHORN COCKERELS, NICEly marked, bred to win, lay and pay, $1.50 to $2.50. A. J. Wempe, Frankfort, Kan.

ROSE COMB BROWN LEGHORN COCKerels, pure bred, $1.00. Eggs for hatching. Elmer A. Thompson, Route 3, Harper, Kan.

QUALITY ROSE COMB BUFF LEGHORN eggs. Exhibition and utility. Fine layers. Mrs. Anna Frank Sorensen, Dannebrog, Neb.

FERRIS SINGLE COMB WHITE LEGHORN cockerels. Early hatch, strong vigorous birds. $1.50 each. Nettie Dain, Harveyville, Kan.

PURE BRED ROSE COMB WHITE LEGhorn cockerels, 11 years breeding, $6.00, $7.00. Mrs. Sadie Supple, Michigan Valley, Kan.

SINGLE COMB WHITE LEGHORN COCKerels, graded from 200 to above 300 egg production, $2 to $4 each. C. G. Cook, Lyons, Kan.

SINGLE COMB DARK BROWN LEGHORN cockerels. Everlay strain direct. $2.00. Satisfaction guaranteed. Mrs. Harvey Crabb, Bucklin, Kan.

PURE BRED SINGLE COMB WHITE Leghorn cockerels. March, April hatch, $1.25, dozen, $12.00. Irwin McCutchan, Wamego, Kan.

KOCH'S SINGLE COMB WHITE LEGhorns, 300 egg strain; breeding birds scored 92 points. Cockerels $4.00. E. G. Koch, Alden, Kan.

ROSE COMB GOLDEN BUFF LEGHORN cockerels, hens, pullets. Winter laying strain. $2.00 each while they last. H. A. J. Coppins, Arnold, Kan.

12 S. C. BUFF LEGHORN COCKERELS, 1922 State certified, $5.00 each. A few certified hens and pullets $2.00 each. Mrs. C. H. Dear, Riverdale, Kan.

CHOICE ROSE COMB DARK BROWN Leghorn cockerels from sweepstakes prize winning stock, $1.50 each while they last. Mrs. Ada Cowan, Americus, Kan.

BARRON'S ENGLISH STRAIN SINGLE comb White Leghorn cockerels $2.00. Baby chicks $15.00. Eggs $5.00. Elizabeth Green, Concordia, Kan., Route 1.

PURE BRED BARRON STRAIN ENGLISH White Leghorn cockerels. Extra selected heavy producing stock. $1.00 each; 6—$5.00. Mrs. Albert Heisel, Morland, Kan.

IMPORTED ENGLISH BARRON S. C. White Leghorns. Trapnested, bred to record 303 eggs. Cockerels, eggs, chix, guaranteed. Geo. Patterson, Richland, Kan.

FOR SALE — FINE WHITE LEGHORN cockerels, heavy laying strain. Book orders for baby chicks, February delivery; also eggs for hatching. Harvey County Hatchery, F. J. Mileham, Mgr., Newton, Kan.

SINGLE COMB DARK AND LIGHT BROWN Leghorn cockerels and pullets, $1.50 to $3 each. These birds will improve your flock in laying and quality. Bred by me for 17 years from heavy laying stock. Satisfaction guaranteed. Egg and chick orders booked now. G. F. Koch, Jr., M. R. "A" Ellinwood, Kan.

SPECIAL SALE BUFF LEGHORN COCKerels. Cheapest in America, quality considered. Don't compare my cockerels with others. They're not in the same class. They're real Leghorns. Highest exhibition egg bred quality. They'll put color, type, and egg breeding in your flock. $3.00, $5.00, $7.50 up. Also pullets. Herb Wilson, Holton, Kan.

MINORCAS

BLACK MINORCA COCKERELS $2.00. John Carroll, Lewis, Kan.

SINGLE COMB BLACK MINORCA COCKerels $2.50. Sarah Peters, Rt. A, Utteyville, Colo.

POULTRY EDITION

Our annual poultry number this season will be the last week in January. Be sure that your advertising is ordered to include this special number, for it is almost a directory of Kansas poultry breeders. Copy for the Poultry Edition must be in our office January 20.

January 27

ORPINGTONS

BUFF ORPINGTON COCKERELS, 7 TO 9 lbs., $3, $4, $5. Walter Brown, Perry, Kan.

BUFF COCKERELS FROM CERTIFIED stock, $1.00-$2.00. May Deyo, Leroy, Kan.

PURE BUFF ORPINGTON COCKERELS $2.50 each. Mrs. Fred Moser, Mankato, Kan.

BUFF ORPINGTON COCKERELS $2.00 each; pullets $1.50. Clarence Crosley, Pratt, Kan.

PURE BRED SINGLE COMB BUFF Orpington cockerels $2.50 each. Mrs. George McAdam, Holton, Kan.

LARGE, HEAVY BONED BUFF ORPINGton cockerels. Good color. Price $2.00. Edw. D. Krause, Hillsboro, Kan.

CEDARGATES FARM BUFF ORPINGTON cockerels, large, vigorous, good laying strain, $2, $3.50. R. D. Wyckoff, Luray, Kan.

LARGE BUFF ORPINGTON COCKERELS from especially selected stock. $2.50 and $3.00 each. Mrs. Vera H. Haynes, Grantville, Kan.

A FEW LARGE PURE BRED DARK BUFF Orpington cockerels $2 and $3 each. Nelson Hartman, R. R. 3, Atchison, Kan.

CLEARANCE SALE. FINE, VIGOROUS Buff Orpington cockerels, Owen strain, $3.00, guaranteed. Donald Lockhart, Howard, Kan.

OWEN FARRIS STRAIN BUFF ORPINGton cockerels, all sires direct, $5.00. Satisfaction guaranteed. Mrs. Harry Steele, Wamego, Kan.

OWENS SINGLE COMB BUFF ORPINGton cockerels. From heavy laying strain. Hogan tested. $2.00 and $4.00 each. Mrs. Wm. P. Reiss, Plains, Kan.

60 BUFF ORPINGTON COCKERELS AT 5 and 10 dollars each. Satisfaction guaranteed. J. M. Clevenger, Lawrence, Kan. Pair Stag Hound pups, 5 months old, price $20.00.

MAMMOTH S. C. BUFF ORPINGTON cockerels; Byer strain; $3.50 each. Free range birds out of hens from Owen's, Sunswick and Martz stock direct. Mrs. Ida Sheridan, Carneiro, Kan.

SINGLE COMB BUFF ORPINGTON COCKerels, Byers strain. I have a few bred direct from his champion exhibition matings at $10 each weighing 11 lbs. Others $2.50 to $5.00. Two good cock birds at $5.00 each. Satisfaction guaranteed. Pleasant Hill Poultry Farm, M. R. "A," Ellinwood, Kan.

Please stop my White Wyandotte ad. Shipped the last ones this morning.—E. W.

PLYMOUTH ROCKS

WHITE ROCK COCKERELS, CHOICE $2. Verna Bowser, Abilene, Kan.

PURE BUFF ROCK COCKERELS, $2.00. C. H. Donovan, Gardner, Kan.

WHITE ROCK COCKERELS $2.00 to $4.00. W. T. Blackwill, Quinter, Kan.

FINE BUFF ROCK COCKERELS $1.50. Katie Tankhauser, Madison, Kan.

BARRED ROCKS, 87 PREMIUMS. MATtie A. Gillespie, Clay Center, Kan.

WHITE PLYMOUTH ROCK COCKERELS, $1.75 each. C. W. Postler, Inman, Kan.

PURE BRED WHITE ROCK COCKERels. Mrs. Ed Barkyoumb, Olsburg, Kan.

PARK'S BARRED ROCKS, COCKERELS $3; four $10. Rena DeBusk, Macksville, Kan.

ROSE COMB RHODE ISLAND RED cockerels $2.00. A. Diller, Sun City, Kan.

PURE BRED WHITE ROCK COCKERELS $1.50. Mrs. B. O. Sager, Brewster, Kan.

BARRED ROCK COCKERELS, LARGE and choice. Mabel Weller, Holton, Kan.

PARK'S 200 STRAIN BRED-TO-LAY COCKerels. Eggs in season. R. B. Snell, Colby, Kan.

BUFF ROCKS—PULLETS, HENS, COCKerels. Choice stock. Della Wood, Milan, Kan.

PURE BRED BARRED ROCK COCKERels $3.00. Mrs. J. D. Unruh, Peabody, Kan.

EXTRA GOOD WHITE ROCK COCKERELS, Fishel strain, $3 and $5. Al Basye, Coats, Kan.

BUFF ROCKS FOR 14 YEARS. COCKERels $2.00, $2.50. J. H. Mellenbruch, Morrill, Kan.

BARRED PLYMOUTH ROCK COCKERELS $2.00 and $3.00 each. James Kesl, Belleville, Kan.

CHOICE BARRED ROCK COCKERELS $2; five for $9. Mrs. Albert Phillips, Haviland, Kan.

BUFF ROCK COCKERELS, BAKER strain, $2.00 each. Chauncey Wood, Solomon, Kan.

SELECTED WHITE ROCK COCKERELS $2.00 each. Anton E. Peterson, Morganville, Kan.

PURE WHITE ROCK COCKERELS, FISHel strain, $2.00 each. W. H. Nelson, Minneapolis, Kan.

COCKERELS — ARISTOCRAT BARRED Rocks. Good ones, $2.00-$4.50. M. Morss, Cheney, Kan.

RINGLET BARRED ROCKS, HEAVY LAYing strain, cockerels $1.50-$3.00. Mrs. Helen Romary, Olivet, Kan.

PURE BRED BARRED ROCK COCKERels, $2.50. Farm raised. Mrs. J. G. Stephens, Corning, Kan.

LARGE VIGOROUS WHITE ROCK COCKerels on approval, $2.00, $3.00, $5.00. Carl Keesling, Neodesha, Kan.

BARRED ROCK COCKERELS, LAYING strain, $2.50. Eggs in season. Mrs. Annie Galbraith, White City, Kan.

PURE BRED BARRED ROCK COCKERELS, Parks 200 egg strain, $3-$5. Catalogue. Gem Poultry Farm, Haven, Kan.

PURE BRED WHITE ROCK COCKERELS from prize winning stock. Satisfaction guaranteed. $3.50 each. Minnie Snider, Piedmont, Kan.

BARRED PLYMOUTH ROCK COCKERELS and hens, $2.00 and $4.00 each. Thompson strain. Satisfaction guaranteed. Mrs. Gus Brune, Lawrence, Kan.

WHITE ROCKS; 25 LARGE, FANCY shaped, snow white cockerels. Nice show birds, S. 9 and 10 lbs., $3.00, $4.00 and $5.00 each. Also hens and pullets. Chas. C. Fair, Sharon, Kan.

PURE BARRED ROCKS, BRADLEY strain. Bred for size, barring, eggs. Cockerels $2.50, $4.00. Pullets $1.50. Mrs. S. Van Scoyoc, Oak Hill, Kan.

PLYMOUTH ROCKS

WHITE ROCK COCKERELS. F. L. HUNT, Anthony, Kan.

IMPERIAL RINGLET COCKERELS, stock direct from Thompson, $3.00. Lloyd Stahl, Burlingame, Kan.

RHODE ISLANDS

LARGE DARK RED R. C. REDS. GUARanteed. Highland, Hedrick, Iowa.

SINGLE COMB DARK RED COCKERELS $2.50. Otto Seacat, Greensburg, Kan.

CHOICE DARK RED ROSE COMB COCKerels $3.00. C. R. Ekblad, Cleburne, Kan.

LARGE, DARK RED ROSE COMB COCKerels $3.00. Mrs. Clarence Martin, Rt. 10, Emporia, Kan.

HOGANIZED SINGLE COMB R. R. COCKerels $2.00 each. Mrs. Sylvia Sherwood, Concordia, Kan.

LARGE DARK ROSE COMB RED COCKerels, priced reasonable. Ross J. Land, Waukarusa, Kan.

R. I. REDS, EITHER COMBS, LARGE AND dark, $1.50 to $3.00. W. E. Richardson, Box 128, Barnard, Kan.

GLOSSY RICH REDS, ROSE COMBS, $3, $5. Satisfaction guaranteed. Alice Clinkenbeard, Wetmore, Kan.

EXCELSIOR ROSE COMB RHODE ISLAND White cockerels. Price $1.50 and up. Mrs. John Henry, Hoxie, Kan.

DARK BRILLIANT, LONG BACK, LOW tail, R. C. Red cockerels $2.50-$3.00. Charles Sigle, Lucas, Kan.

ROSE COMB REDS, WELL MARKED VIGorous birds from good strain, $3.00. Mrs. Wesley Gill, Piedmont, Kan.

CHOICE ROSE COMB R. I. WHITE COCKerels, also few single combs, price $2.00. Helen Davis, Pendennis, Kan.

ROSE COMB RED MALES. $2.25, $3.25, $5.00 and $8.00 sires, $5.00 to $15.00 males. W. R. Huston, Americus, Kan.

PURE BRED ROSE COMB RED COCKERels, good colors. Standard weight, $2, $3, $5. E. A. Bryan, Emporia, Kan.

SINGLE COMB RHODE ISLAND RED cockerels. Rich dark red. $1.50, $2.00. Mrs. O. L. Naughton, Hazelton, Kan.

SINGLE COMB RHODE ISLAND RED cockerels. Well built; high production; $3.00 to $5.00. Theodore Lorimor, Sterling, Kan.

MY ROSE COMB REDS WON FIRST PEN state show three years straight. Cockerels $3.00 to $7.50. Morris Roberts, Hoisington, Kan.

ROSE COMB COCKERELS, EVEN RED, long back, from heavy laying strain, $2.50 and $3.50; six for $12 and $18. G. H. Meier, Alma, Kan.

SOME ESPECIALLY FINE SINGLE COMB Red cockerels hatched from carefully mated pens, $2.50. Mrs. Sophia Lindgren, Dwight, Kan.

STANDARD DARK REDS, EITHER COMB, yearling cocks, cockerels, pullets; two to ten dollars. Eggs, mated pens. Chas. Doering, Burlington, Colo.

HARRISON'S IMPROVED STANDARD bred Reds. Either comb. Cockerels, eggs, and chicks. Get Red Breeders' Bulletin. Harrison Red Farms, College View, Neb.

BRED TO LAY S. C. REDS. FINE LARGE hardy, hen hatched, free range, heaviest winter layers. $3.00 to $5.00. Satisfaction guaranteed. Belmont Farm, Topeka, Kan.

S. C. RHODE ISLAND REDS. 200 PURE bred cockerels for quick sale. The large dark red, the kind you want; $2.50, $3.00, $3.50. Henry Schuler, Route 3, Wathena, Kan.

RHODE ISLAND REDS, LONGFIELD strain, large dark red. Cockerels 3 to 5 dollars; pullets $1.50. Eggs and baby chicks in season. A. R. Hoffman, Haddam, Kan.

PRIZE WINNING, LARGE BONE, LONG, broad back, brilliant red rose comb cockerels. From trapnested hens, heavy egg laying strain. Mrs. James Gammell, Council Grove, Kan.

S. C. R. I. R. COCKERELS, HOGANIZED, Ellis & Ricksecker strain. Deep red, big bone, high egg type. $2, $3, $5. Guaranteed breeders. Mrs. Geo. W. Wharton, Agenda, Kan.

ROSE COMB RED COCKERELS FROM high egg producing pen; selected by licensed poultry judge for high egg type, size, color and shape. $2.50, $3.50, $6.00. Mrs. Arthur Woodruff, Miltonvale, Kan.

STANDARD PURE BRED ROSE COMB Reds. Winners, Kansas City, Topeka, Hutchinson, other shows. Large boned, dark red, from selected, bred-to-lay, heavy producing strain cockerels; $3.50, $5.00 up. Pen Pullets; $5.00 up. Satisfaction guaranteed. Mrs. G. H. Lowder, Waverly, Kans.

STANDARD BRED SINGLE COMB RHODE Island Reds; cockerels, pullets from high egg laying strain. Line bred for color, type, egg production. These birds are sired by son of Missouri Champion and "Luck," 305 egg hen, and are selected by state poultry judge for high egg production. Cockerels $2.00, pullets $1.50, yearling hens $1.25. John Little, Rt. 2, Concoordia, Kan.

TURKEYS

BOURBON RED TOMS $10 EACH. JOSEPH Starr, McAllaster, Kan.

PURE BRONZE TOMS $9.00; HENS $5.00. Alice Clark, Oakley, Kan.

PURE LARGE BOURBON RED TOMS $7.00. Ray Gustin, Copeland, Kan.

PURE BRED BOURBON RED TOMS $10. Walter Passmore, Hollis, Kan.

MAMMOTH GOLDBANK BRONZE TOMS, $15.00. A. Hays, Jetmore, Kan.

MAMMOTH BRONZE TURKEY HENS $7. Clinton DeBusk, Macksville, Kan.

MAMMOTH BRONZE TOMS, 25 LBS., $9. Schweizer's Dairy, Caldwell, Kan.

PURE MAMMOTH BRONZE TOMS $10.00. Mrs. Roy Ellis, Coldwater, Kan.

GIANT BRONZE TOMS $10, HENS $8. John Hooper, Smith Center, Kan.

NARRAGANSETT TURKEYS. TOMS $10; hens $7. Ida Walker, Overbrook, Kan.

Please discontinue my advertisement with next week's issue. My season closes then. Have sold my entire output thru the advertisement in Mail and Breeze. Will surely be with you again next season.—H. R. M.

TURKEYS

PURE BOURBON RED TURKEYS. $8.00 and $5.00. John Carroll, Lewis, Kan.

LARGE PURE BOURBON TURKEY TOMS $10.00. Emma Lovgren, Winkler, Kan.

PURE NARRAGANSETT TURKEYS, TOMS $10. J. E. Mitchner, Stonington, Colo.

PURE BRED BOURBON TOMS $8.00 AND $10.00. Chas. Gresham, Bucklin, Kan.

MAMMOTH BRONZE TOMS $10 TO $20; hens $5 to $12. Mabelle Collett, Liberal, Kan.

WHITE HOLLAND HENS $6.00; TOMS $10.00. Rose Alexander, Pierceville, Kan.

PURE BRED BOURBON RED TURKEYS: toms $7.00-$8.00. B. P. Way, Canton, Kan.

PURE BRED MAMMOTH BRONZE YOUNG toms $10.00. Emil Osburn, Chapman, Kan.

MAMMOTH WHITE HOLLAND TURKEY toms $10. D. B. Cooper, Greensburg, Kan.

PURE BRED BOURBON RED TOMS, MAY hatched, $8.00. Mrs. F. E. Tonn, Haven, Kan.

GOLD BANK BRONZE TURKEY HENS, $8-$9; toms $12-$15. E. Gaughan, Earleton, Kan.

PURE BRED BOURBON RED TOMS $9 and $10; hens $6. M. E. Noonan, Greenleaf, Kan.

PURE GOLDBANK—BRONZE. 2-YEAR tom $15.00. Mrs. Albert Phillips, Haviland, Kan.

WHITE HOLLAND TURKEYS. THE BIG kind. Toms $10.00. Hens $8.00. M. E. Burt, Offerle, Kan.

BETTER BRONZE TURKEYS—MONEY back guarantee. Descriptive folder. Mrs. Burg, Lakin, Kan.

FINE PURE BRED BOURBON RED TURkeys. Hens $6.00, toms $8.00. Frank Drake, Rozel, Kan.

PURE BRED BRONZE AND BOURBON Red Turkeys. Toms $7; hens $5. Anna Fick, McAllaster, Kan.

MAMMOTH GOLDBANK BRONZE, WHITE Hollands, Bourbon Reds; $6, $9, $10. E. V. Eller, Dunlap, Kan.

PURE BRED MAMMOTH BRONZE TURkeys sent on approval. Mrs. M. E. Kavonaugh, Belleville, Kan.

PURE BRED MAMMOTH BRONZE, GOLDbank strain. Toms $10, 40-lb. sire. Mrs. Maude Ewing, Wilmore, Kan.

MAMMOTH GOLDBANK BRONZE TURkeys. Toms $10 and $12.50; hens $7. Chas. W. Johnson, Trousdale, Kan.

TEN WHITE HOLLAND TOMS. 2¾ IN. bone, pink legs, healthy, vigorous. $12.00 each. C. A. Cary, Edna, Kan.

PURE BRED NARRAGANSETT TURKEYS; toms $10.00 and $12.00; hens $8.00 and $10.00. Mrs. C. C. Dillon, Warsaw, Mo.

MAMMOTH BRONZE TURKEYS. GOLDbank strain. Toms $12 each, pullets, $7 each. Mrs. R. J. Hefling, Burrton, Kan.

FANCY MAMMOTH BRONZE TOMS $12.00-$10.00. Orders booked now for eggs 75c each. Robert Chambers, Hiawatha, Kan.

PURE BRED NARRAGANSETT TOMS. Large boned, well marked. Price $10.00. Mrs. Lydia Ecton, Route 2, Lamar, Colo.

PURE BRED MAMMOTH BRONZE TURkeys: toms $10.00, $12.00. Guaranteed breeders. Mrs. Geo. Wharton, Agenda, Kan.

PURE BRED GIANT BRONZE TURKEYS, utility and exhibition stock. Satisfaction guaranteed. Eliza Owen, Macksville, Kan.

FINE BIG BOURBON RED TURKEYS. Well marked and healthy. Limited number. Order now. Rena Gilchrist, Peabody, Kan.

PURE BRED BOURBON REDS FROM State Show prize winning sires. Toms, $9.00; hens, $6.00. Mrs. Jake Royer, Gove, Kan.

PURE BRED BOURBON REDS FROM EXtra large boned dark color tom. Toms $10.00, pullets $7.00. J. M. Kearney, Belpre, Kansas.

LARGE PURE BRED BOURBON RED toms. Tails all white except dots, $10.00. Others $8.00 each. Mrs. Walter Dixon, Severy, Kan.

MAMMOTH BRONZE TURKEYS FROM 40 lb. tom and 22 lb. hens. Goldbank strain. Toms $10, pullets $7. Mrs. Artley Gardner, Leoti, Kan.

MAMMOTH BRONZE GOLDBANK STRAIN turkeys from a 41-lb. tom; 20 to 22-lb. hens. Prices reasonable. Isabelle Randall, Ransom, Kan.

PURE BRED MAMMOTH BRONZE TURkeys, sires from Madison Square Garden prize winning stock. Toms $10.00; hens $7.00. Geo. A. Meyer, Park, Kan.

MAMMOTH BRONZE TURKEYS; TOMS well marked, vigorous, the large kind, 25 pounds $12.50. 30 pounds $15.00. Old Tom $20.00. Fred Buck, Coats, Kans.

MAMMOTH GOLDBANK BRONZE TURkeys. From Madison Square and Chicago show stock. Healthy, vigorous. Bargain prices. E. Bidleman, Kinsley, Kan.

LARGE BONED PURE BRED WHITE Holland Turkeys from prize winning stock. Toms $10.00 to $15.00. Hens $8.00. Bigger and better than ever. Laura Shupe, Pratt, Kan.

MAMMOTH BRONZE TURKEYS, GOLDbank strain. Pullets 15-17 lbs., $8.00; toms 23-28 lbs., $12.50. Satisfaction guaranteed. Turkey Track Poultry Farm, Wilmore, Kan.

MAMMOTH BRONZE TURKEYS. TOOK first Topeka State Show 1921. First cock, first cockerel, first hen, first pullet, first pen Hutchinson State Show 1922. Minnie Snider, Piedmont, Kan.

IDEAL MAMMOTH BRONZE. STATE prize winners. Goldbank large boned, vigorous, unrelated stock. Toms 20-28 lbs., $10-$20; pullets 12-16 lbs., $7-$10. Guaranteed. W. S. Linville, Lamar, Colo.

WYANDOTTES

PURE WHITE WYANDOTTE COCKERELS $2.50. John Ross, Delphos, Kan.

WHITE WYANDOTTE COCKERELS $2.00. Ira Taylor, Westmoreland, Kan.

PURE WHITE WYANDOTTE COCKERELS $2.00 each. Alice Clark, Oakley, Kan.

GOLDEN WYANDOTTE COCKERELS, early hatch. M. M. Donges, Belleville, Kan.

COLUMBIAN WYANDOTTE COCKERELS, $2 and $3. Henry Groening, Hillsboro, Kan.

CHOICE SILVER WYANDOTTE COCKerels $3.00 up. A. Bretthaner, Bird City, Kan.

LARGE WHITE WYANDOTTE COCKERels $2.50 each. H. C. Johnson, Garison, Kan.

WYANDOTTES

WHITE WYANDOTTE COCKERELS $1.50. E. Frische, Freeport, Kan.

SILVER LACED WYANDOTTE COCKERels, pure bred, $2.50. John Lacey, Randall, Kan.

PURE WHITE WYANDOTTE COCKERELS $2.50. Rose comb. Don McCormick, Zeandale, Kan.

PREMIUM PARTRIDGE WYANDOTTE cockerels $3, $5. Rena DeBusk, Macksville, Kan.

PURE BRED WHITE WYANDOTTE COCKerels $2.00 each. George W. Williams, Portis, Kan.

PURE BRED SILVER WYANDOTTE cockerels $2.00 each. Mrs. Will McEnaney, Seneca, Kan.

BARRONS ENGLISH WHITE WYANDOTTE cockerels $2.50 each. Mrs. Ethel Wagner, Kinsley, Kan.

WHITE WYANDOTTE COCKERELS, Keeler strain. John Robson, Route 1, Mayetta, Kan.

FOR SALE WHITE WYANDOTTE COCKerels, Martin strain. J. H. Brown, Clay Center, Kan.

LARGE SILVER LACED WYANDOTTE cockerels $1.75 each. Mrs. A. Girard, Madison, Kan.

PURE WHITE WYANDOTTE COCKERELS, Regal strain, $2.00 each. W. H. Nelson, Minneapolis, Kan.

WHITE WYANDOTTE COCKERELS FROM fine laying strain, $2.00. Mrs. Jerry Melichar, Caldwell, Kan.

GOLDEN LACED WYANDOTTE COCKERels from my B Grade prize winners. Bert Schroder, Edna, Kan.

100 CHOICE WHITE WYANDOTTE COCKerels; Martin-Kellers direct, $2.50. H. O. Collins, Fontana, Kan.

WHITE WYANDOTTE COCKERELS, Martin & Keller strain. $2.00 to $4.00. G. G. Wright, Kinsley, Kan.

CHOICE SILVER LACED WYANDOTTE cockerels, early hatch, prize winners, $2.50. D. Norton, Herington, Kan.

CHOICE SILVER LACED WYANDOTTE cockerels from pen tested heavy layers, $2.50. Mrs. Elizabeth Crabb, Bucklin, Kan.

PURE BRED WHITE WYANDOTTE EGGS for sale. $2.00 for 15; $3.75 for 30; $10 for 100. Donald V. Ricketts, Fontana, Kan.

KEELER STRAIN PURE BRED ROSE Comb White Wyandotte cockerels, $2.50 and $3.50 each. Sadie Springer, Manhattan, Kan.

PLOCK'S WHITE WYANDOTTE FARM, Clay Center, Kan. Eggs from three grand matings and range flock.

WHITE WYANDOTTE COCKERELS, Keeler strain, $2.50 each. Mammoth Bronze tom turkey, $8.00. Mrs. C. R. Williams, Parkerville, Kan.

WHITE WYANDOTTES, BARRON'S LAYing strain, from trapnest stock; cockerels $2.50 to $5.00 each. Sent on approval. H. A. Dressler, Lebo, Kan.

FIFTY SILVER LACED WYANDOTTE cockerels, early hatched, from prize winners, $2.50-$3.50. Several exhibition grade $5.00. Young hens $2.00. George Phegley, Lincoln, Kan.

POULTRY PRODUCTS WANTED

HEAVY CAPONS, HENS AND SPRINGS wanted. Coops loaned free. "The Copes," Topeka.

PREMIUM PRICES PAID FOR SELECT market eggs and poultry. Get our quotations now. Premium Poultry Products Company, Topeka.

HATCHING EGGS WANTED. WE CAN use your output in any of the old breeds such as Houdans, Polish, Cornish, White Minorcas. Write us at once. Chick Hatchery, Dept. 2, Shelbyville, Ill.

SEVERAL VARIETIES

1949 COCKERELS, 49 VARIETIES. HATCHing eggs. Free Book. Aye Bros., Blair, Neb., Box 5.

GOLDEN WYANDOTTES, BUFF LEGhorns, reasonable prices. Write for circular. C. N. Bunds, Wetmore, Kans.

SINGLE COMB RHODE ISLAND RED cockerels, $3-$5. Black Jersey Giant cockerels, $5. Mrs. Roger Sullivan, Effingham, Kan.

68 VARIETIES FINE PURE BRED CHICKens, ducks, geese, turkeys, stock eggs, chicks. Large catalog 5c. A. A. Ziemer, Austin, Minn.

500 BREEDERS CHEAP; ALL VARIETIES. Chickens, ducks, geese, turkeys, and guineas. Address Becker Poultry Co., Ackley, Iowa.

CHOICE SILVER LACED WYANDOTTE cockerels, early hatch, $2.00 and $3.00. Buff Orpington Drakes $2.50. Herbert Kruger, Seneca, Kan.

12 BUFF LEGHORN COCKERELS, ROSE Comb, from Nabob Hatchery, $1.50; 6, $7.50. Three White African Guineas, $1.50. Mrs. O. O. Richards, Beverly, Kan.

352 TOULOUSE GEESE; 337 BARRED AND White Rocks; 276 Rose and Single Comb Reds; 242 Brown and White Leghorn cockerels. Aye Bros., Blair, Neb., Box 5.

MANY VARIETIES PURE BRED POULtry, baby chicks and pigeons at low prices. 100-page book in colors describes them. Mailed for 5 cents. Frank Foy, Box 9, Clinton, Iowa.

PURE BRED COCKERELS AND PULLETS: Rocks, Reds, Wyandottes, Leghorns, Langshans, Brahmas, Orpingtons, Bantams, Ducks, shipped on approval. We pay return express. Shenandoah Poultry Farms, Shenandoah, Iowa.

POULTRY SUPPLIES

MASTER BREEDER CHICK BOXES FOR shipping live chicks. Shipped from Lincoln stock at interesting prices. Schwarz Paper Co., Lncoln, Neb.

LOUSY HENS WON'T LAY. BUY "COLwell's Sure Death to Lice." $1.00 worth kills every louse and nit on 200 chickens for months to come. Order from Colwell's Hatchery, Smith Center, Kan.

I am well pleased with results of advertising in your paper. The ad has just run one week and I have sold all my turkeys. I was sure surprised at getting so many orders so quick.—M. C.

Dry-Cured Pork is Good

Young, smooth hogs of light or medium weight are of the most convenient size to supply the meat for use by the average family. Meat from hogs of this size is most easily cured. Only healthy hogs should be killed and these are better if fed in a way to produce a good carcass of firm flesh without an excess of fat.

Hogs intended for slaughter are better if held off of all feed for 18 to 24 hours before killing, allowing them all the fresh water they will drink during this time. This gives time for the elimination of the usual waste matter from the stomach and intestines and makes butchering easier and cleaner.

Good hog killing weather is when the temperature is such that the carcass can be easily cooled without refrigeration and when it is not so cold that the surface will freeze before the animal heat is driven out of the entire carcass.

When cool, cut the carcass preparatory to curing, being careful to trim all pieces neatly and smoothly and save the trimmings for lard and sausage. Rub the surface of the meat with dry salt and allow it to drain, flesh side down, for 6 to 12 hours and then put in the cure.

The dry cure for meat has proved more satisfactory in this section. A good formula for the dry cure is made by using the following ingredients.

8 pounds of salt,
2 1-2 pounds of sugar or molasses which has been slightly warmed,
2 ounces of saltpeter,
3 ounces of black pepper,
2 ounces of red pepper.

Do not leave out the saltpeter. Mix the ingredients well and then rub each piece of meat thoroly, being especially careful to force the mixture into the hock ends of the bones and into the joints. Pack the pieces into a box or barrel. In three days tear up and repack and then leave it until the cure is completed, which takes about two days for each pound of weight of the individual pieces of meat. A 10-pound ham will require 20 days in the cure.

Arkansas. T. Roy Reid.

A Row Between A and B

Tom McNeal gets an average of more than a dozen legal questions every day from readers of Kansas Farmer and Mail and Breeze. Many of these begin by telling of a row between A and B—who seem to be in an unsettled state. This is a service of which the editorial department is very proud—for exact information on any point of law is supplied free, and we know that it has saved many lawsuits, with the consequent expense. We hope the work involved in this service will grow, and it doubtless will.

But many times one desires an immediate answer to some legal point, without the delay of writing to Topeka. The Vest-Pocket Lawyer, a book which Mr. McNeal recommends highly, has all ordinary legal information in compact form, so you can refer to it quickly. If you will get a copy you will be in a position to work out the answer to legal points at once as they come up, perhaps to your own advantage. The price of this book is 50 cents postpaid; address Book Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.—Advertisement.

One hundred and twenty vehicles a minute was the rate at which motor vehicles passed an observing station on a trunk-line highway in Massachusetts, according to the Bureau of Public Roads of the United States Department of Agriculture. This rate was kept up from noon to 10 p. m.

From 19 to 35 cents an hour is the range of wages for common labor on Federal-aid roads east of the Rocky Mountains, with a few exceptions, where as high as 43 cents is paid.

Paint and grease on farm implements over the winter may or may not be as good protection as an implement shed—but at any rate they are effective and cheap.

A Good Cow Tester's Creed

I'll try to be useful
To Dairymen every day
In promoting the industry
And making dairies pay.

I'll keep up the records
Of production and feed,
And send in reports
That will indicate speed.

The Farmiscope

Cynical Reporter

"His friends could give no reason why he should have committed suicide. He is single."—The Stamford Advocate.

Profit and Loss

Those who would annex Mexico should first make sure that the value of the oil will exceed the cost of the broil.

Why It's Free

Young Thing—"I wonder why they call it free verse?"

The Poet—"That's simple. Did you ever try to sell any?"

Very Simple

Professor—"I'm sorry to tell you, madam, that your daughter is hopeless. She has no talent."

Mrs. Lowell Brow—"Huh! I thought I was paying you to give her some."

Going Some

A Georgia lawyer to a wealthy client he desires to impress:

"I played Hamlet once."

"Indeed! Did you have much of a run?"

"About 6 miles, as I remember it."



"There's one thing about it, we are getting well acquainted with the waves."

"Yes, I am able to recognize more than half of them as the same ones that went by here yesterday."

A Difference

"What!" said Lord Coleridge once to a puzzled cabman, "you a London cabby and don't know where the Law Courts are?"

"Oh! the Law Courts, is it? I know them; but you said the Courts of Justice!"

Obituary for a Herring

"Fresh; W'y, mum, it breathed its last when it saw yer coming."

Customer (sniffling)—"And wot a breath it had!"

As the Symptoms Indicated

"I can't imagine why Bertie is so brainless; can you?"

"Why, of course. There's a theory that he was brought up on a vacuum-bottle."

Classification Needed

At the present terrific rate of divorce cases, we shall soon need a new reference-book—"Who's Whose."

Common Complaint

"Democrats Need Money."—Headline. And a lot of Republicans, Socialists, and Prohibitionists are in the same fix.

It Was Unanimous

A jury recently met to inquire into a case of suicide. After sitting thruout the evidence the 12 men retired, and after deliberating returned with the following verdict: "The jury are all of one mind—temporarily insane."



"This coin you gave me yesterday has a hole in it."

"Well, don't get mad about it. I didn't get mad when I found the hole in the doughnut you sold me for it."

The Real Estate Market Place

RATES
For Real Estate Advertising on This Page
45c a line per issue on 4 time orders.
50c a line per issue on 1 time orders.

There are 10 other Capper Publications that reach over two million 100,000 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 orders 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.

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.

KANSAS

SO. EAST KAN. FARMS $35 acre up. Free list. **A. M. Cole Land Co., Independence, Ks.**

IMPROVED and unimproved land in Kearny and Grant Co. A bargain. **Box 645, Lakin, Ks.**

CHASE CO. valley and upland farms $45 A. up. **E. F. McQuillen & Co., Strong City, Kan.**

NORTHEAST KAN. Bottom and upland farms. **Melvin Ward, Holton, Jackson Co., Kansas.**

ABOUT 11 ACRES adjoining Ellsworth. Good house and barn, $6000. Half cash. **Edward Artas, Ellsworth, Kansas**

40, 60 OR 160 A. of good farm land, direct from owner, immediate possession if taken this mo. **R. E. Mariner, Fredonia, Kan.**

CREEK BOTTOM FARM, 240 acres, well located, 5 room cottage, large barn, timber, only $52.50 per a. **T. B. Godsey, Emporia, Ks.**

240 A. 4 mi. K. U., well improved. Good silo. All alfalfa and wheat land, cheap. Small farms all sizes, 10 to 160 A., bargain prices. **Clawson, Wilson & Kurtz, Lawrence, Kan.**

WELL IMPROVED Eastern Kansas farms for sale, good bargains. Write for prices and descriptions. **Ricketts & Collins, Fontana, Kansas**

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.**

80 A. $50 PER A., 120 A. $75 per A., 160 A. $60 per A., 160 A. $75 per A. All good imp. farms, extra good terms. **Spangler Land Co., Ottawa, Kan.**

HALF SECTION good farm land. 200 acres cultivation, 120 pasture. Fenced and cross fenced. Well improved. Good water. **Box No. 131, Hill City, Kansas**

80 ACRES IMPROVED. $65 per acre. $1,000 cash. 160 acres improved, $67.50 per acre. $1,000 cash. **The Allen County Investment Co., Iola, Kansas.**

320 ACRES WHEAT FARM, adjoining Lane County town, highly improved, 200 acres wheat, $50 acre, attractive terms. **Mansfield Investment & Realty Co., Healy, Kansas.**

80 ACRES IMPROVED, $6,800; 40 Acres, Improved, $3,200; 160 Acres, Improved, $16,000. All near Ottawa. Offered at bargain prices. Write for description and list. **Mansfield Land Company, Ottawa, Kansas**

80 ACRES, 7½ miles of Ottawa, Kansas. 3 miles of LeLoup, all tillable, real good improvements, fine location. Price $75 per acre. $1500 cash, remainder 5 years time. **Ottawa Realty Company, Ottawa, Kansas.**

400 ACRES bottom land, no improvements, a good stock farm 40 rods from shipping station; running water; 125 acres plowed; 100 acres timber, 75 acres pasture. $75 per acre. Write for information. **F. O. Clark, 725 Houston Street, Manhattan, Kan.**

GOOD HOME: 40 acres, Allen County, 3 room house, small stables, never failing well, on good auto road. Near town. School house on land. Price $3,400; terms $800 down, balance on time. Great sacrifice. Possession March 1. Address **The Allen County Investment Co., Iola, Kan.**

750 ACRE beautiful level farm, adjoining town in Lane county, Kansas; it's one of the finest bodies of land in county; 2 story, 7 room house, 2 large barns, granaries, other outbuildings; nearly 400 acres fine wheat; abundance water; real snap, owner non-resident; $45 per acre; attractive terms. **Mansfield Land & Loan Company, 415 Bonfils Bldg., 10th & Walnut, Kansas City, Mo.**

SANTA FE RAILROAD LANDS

The Santa Fe Railroad has just completed a new road in Southwest Kansas, which opens up a fine farming territory, and selling their lands along this road at $15 to $20 per acre on terms of one-eighth cash, balance easy payments, long time, six per cent interest. No better lands, and a great opportunity for farmers with small means. Write for circular.
Howell-Rhinehart & Co., Selling Agents, Dodge City, Kansas.

ARKANSAS

WOULD YOU BUY A HOME? With our liberal terms? Farms of all sizes for white people only. Write for our new list. **Mills & Son, Booneville, Arkansas.**

COLORADO

SALE TERMS or rent for cash, 160 acres summer fallowed, 125 in wheat bal. ready for crop. No waste land. New house, plenty soft water, 28 mi. east Denver, 2 mi. west Bennett on U. P. Main Line and Victory Highway. Consolidated school, rural route, phone. Immediate possession. **T. C. Shomber, Owner, 3233 Vallejo, Denver, Colo.**

IRRIGATED CROPS NEVER FAIL

220 A. finest soil, full water right in excellent new system. Improved and all cultivated. Get in on ground floor at $100 per acre.

40 A. Alfalfa. Fine land. Full water right. $200 per acre.

Finest dry lands in half sections, improved and unimproved at bottom prices.

Write for particulars.
Will Keen, Realtor, Pueblo, Colorado.

CALIFORNIA

FARM BUREAU wants American farmers on irrigated lands. If interested write **C. T. Fox, Sec., Cottonwood, Calif.**

FLORIDA

WE OWN thousands of acres fertile prairie land in Palm Beach county; black soil 8 to 10 feet deep; splendid drainage and best of markets; suitable for trucking, general farming, dairying, stock and poultry farming; no trees or stones on land; write today for full particulars and illustrated booklet. **H. G. Geer & Co., 147 P. O. Bldg., West Palm Beach, Fla.**

MISSOURI

LISTEN, 40 acre imp. farm $1200. Good terms. Other farms. **McGrath, Mountain View, Mo.**

IMP. 120 A. farm, strong land, 60 A. tame grass. Bargain. $20 with $800 cash. **Box 206, Buffalo, Mo.**

132 ACRES all in grass and cult. 8 room modern house, large barn, good orchard, all bldgs. good; price $100 per acre. **Mansfield Land & Loan Co., Lawrence, Kan.**

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.**

NEW JERSEY

Farm Catalog Just Out

Free upon request. Describes many farm bargains in Southern New Jersey. Photos and Map of State. Write today. **Vineland Farm Agency, 549 -TT- Landis Ave., Vineland, N. J.**

OKLAHOMA

GOOD FARMS WELL IMPROVED

Located all section Oklahoma. Offered at forced sale prices and on very liberal terms. Only small cash payment necessary. Have farms of all sizes from 40 acres to 960 acres. Wonderful opportunity to double your money in short time. Tenants can become land owners. Farms will never be as cheap again. Act quickly while I have 100 farms for you to choose from. Write immediately for booklet fully describing these farms.

R. S. Randerson,
307 Southwest National Bank Bldg., Oklahoma City, Oklahoma

Farms for Sale

GOOD FARMS, well improved, located all sections Oklahoma, offered at forced sale prices and on very liberal terms. Only small cash payment necessary. Have farms of all sizes from 40 acres to 960 acres. Wonderful opportunity to double your money in short time. Tenants can become land owners. Farms will never be as cheap again. Act quickly while I have 100 farms for you to choose from. Write immediately for booklet fully describing these farms.

V. H. Stevens
307 Southwest National Bank Building, Oklahoma City, Oklahoma

WASHINGTON

THE PUGET SOUND country of Washington has a delightful climate. 5 to 20 acres in small fruits and vegetables, combined with dairying, assures comfortable living. Easy terms. Send for free book describing opportunities. **E. C. Leedy, Dept. G, Great Northern Railway, St. Paul, Minn.**

SALE OR EXCHANGE

TRADES—What have you? List free. **Bersie Farm Agency, El Dorado, Kansas.**

FARM BARGAINS. Eastern Kansas, for sale or exchange. **Sewell Land Co., Garnett, Kan.**

FOR SALE OR TRADE, relinquishment in Hamlin Valley, Utah. **Roy O. Murphey, Friend, Kan.**

HAVE YOU FARMS, merchandise, residences, or any property to exchange for other property? **Kysar Realty Co., Wakeeney, Ks.**

TELEPHONE EXCHANGE. Will take part in good income property. Write for particulars. Price $16,000. **L. Newsom, Elkhart, Kan.**

WELL IMPROVED 80 acres, 4 miles from West Plains, Mo. Price $6,000. Want Western Kansas land or income property. Also other farms for exchange. **Howell County Land Company, West Plains, Mo.**

LAND—VARIOUS STATES

SELL YOUR PROPERTY QUICKLY for cash, no matter where located, particulars free. **Real Estate Salesman Co., 515 Brownell, Lincoln, Neb.**

GROW ORANGES, Grape Fruit, Pecans, Truck, on the Gulf Coast. 5 to 20 acre tracts. $25.00 per acre and up. Address **Magnolia State Land Co., Iola, Kan.**

REAL ESTATE WANTED

WE HAVE BUYERS for a number of farms. Price must be right. Describe full in first letter. **Central Land Bureau, New Franklin, Mo.**

CASH YOUR PROPERTY QUICKLY. Location immaterial. Give best price. **Universal Sales Agency, Box 43, N. Topeka, Kans.**

CASH BUYERS want Kan. and Colo. farms, spring delivery. Don't wait, write now. **R. A. McNown, 329 Wilkinson Bldg., Omaha, Neb.**

FARMS WANTED: Give full description and cash price. Quick sales. **Leaderbrand Sales Agency, B-30, Cimarron, Kansas.**

WANT TO HEAR from party having farm for sale. Give particulars and lowest price. **John J. Black, Capper St., Chippewa Falls, Wis.**

FOR SALE OR RENT

FOR SALE OR RENT, 160 acres farm land, 49 acres under cultivation, rest in hay and pasture land. Located 18 miles south of Topeka. Write Dr. J. C. Bunten, Augusta, Kansas.

LOANS AND MORTGAGES

Farm Loans
Kansas and Missouri
Very lowest rates. Liberal option. 5-7-10 and 20 years. Annual or semi-annual interest.
THE DAVIS WELLCOME MORTGAGE CO.
Topeka, Kansas.

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.

Real Estate Advertising Order Blank

(New Reduced Rates)

KANSAS FARMER and MAIL & BREEZE
Topeka, Kansas

RATES
50c a line for 1 time
45c a line per issue on 4 time orders

Enclose find $..... Run ad written below ..... times.

Name. . . .

Address. . . .

COPY

Six ordinary length words make a line.

Business and Markets

By John W. Samuels

MUCH cause for satisfaction is found by stockmen in making a survey of the past year's business in the livestock industry. Viewed from every angle 1922 was a big year in livestock. Recovery from the liquidation in the cattle industry which began in 1920 and continued thru 1921 was steady and fairly satisfactory.

This is indicated by the substantial increase during the first 10 months of 1922 in the number of cattle on farms, according to data compiled by the United States Department of Agriculture.

The number of cattle estimated on farms January 1, 1922 was 65,352,000 head. The average for the last 10 years was 63,199,200 head, the 1922 estimate showing an increase of 2,152,800 head or 3.4 per cent over the 10-year average. On January 1, 1913, the total number of cattle on farms was 56,527,000, making the net increase for the 10 years 8,825,000 cattle or an average annual increase of 882,500 head.

Big Increase in Cattle

On November 1, 1922, the estimated number of cattle on farms in the United States amounted to 68,881,000 head, compared with 68,932,000 on the corresponding date for 1921 and with 67,321,000 on November 1, 1920. These figures indicate a net increase in two years of 1,560,000 head. Stating it differently, during the first 10 months of 1922 the number of cattle estimated on farms increased 5.4 per cent compared with an increase of 5.1 per cent during the corresponding period of 1921 and of 0.3 per cent in 1920. Furthermore, the estimated number of cattle on farms November 1, 1922, was 321,000 head more than the high figure of January 1, 1919.

Marketings of meat animals at Kansas City, Chicago, Omaha, St. Louis and St. Joseph in 1922 were normal, but were not up to war-time records. At these markets there were 1,776,099 more cattle and 1,173,725 more hogs received in 1922 than in 1921. Receipts in sheep showed a decrease of 1,495,699 head.

Larger Receipts of Meat Animals

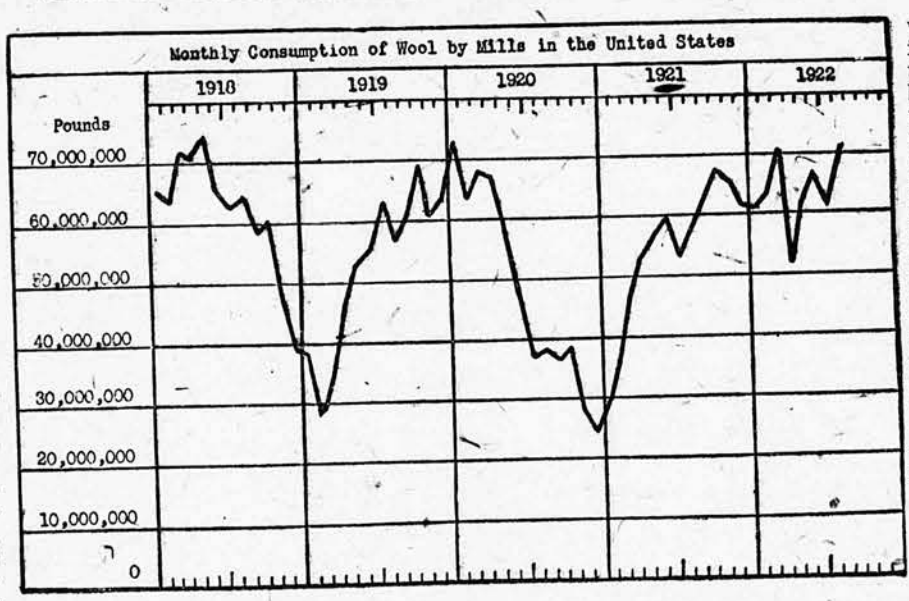
Kansas City alone received 7,250,556 head of livestock in 1922 which is 765,809 head more than was received in 1921. Of this number Kansas City packers slaughtered 4,958,558 head of meat animals. This included 1,094,294 cattle, 312,888 calves, 2,552,367 hogs, and 999,009 sheep.

Prices for livestock showed marked improvement during the year and big advances over those prevailing in 1921. Crop values were also better for 1922. In fact crop value was 34 per cent larger in 1922 than 1921, and crop prices show an increase of 24 per cent on December 1, 1922 as compared with December 1, 1921. The mass of crop production in 1922 exceeds that of 1921 by about 8 per cent.

Crop Values Jump 2 Billions

The December 1 farm value of 29 principal crops constituting the bulk of crop production in the United States is estimated at $7,483,326,000 by the United States Department of Agriculture for 1922. These crops in 1921 had a farm value of $5,630,781,000, and in 1920 a value of $8,998,820,000. The 1922 figures are subject to revision, but the 1920 and 1921 figures are final.

"Crops," says Henry C. Wallace, Secretary of Agriculture, "have been good on the whole. Prices of the major crops are as a rule considerably higher. While there has been a corresponding advance in the prices of the things the farmer must buy, the total sum which farmers will receive for the crops of this year is greater by a billion and a half dollars or more than that which they received for the crops of last year. This will certainly mean better times on the farm, and farm folks will be able to ease up a little on the grinding economy they were forced to practice the preceding year."



One factor that will be a great help to farmers and stockmen in 1923 is the improved marketing facilities and advantages they will obtain thru the various marketing associations that have been organized. The National Livestock Producers' Association is now functioning in a highly satisfactory manner. Several of the terminal commission companies that are a part of this association will hold their annual meetings this month. The board of directors of the National Livestock Producers' Association will hold its regular quarterly meeting in Chicago on January 24 and at that time officers will be elected for 1923.

This week the livestock market at Kansas City showed a healthy and satisfactory tone. Cattle and hogs were higher, and while lamb prices fluctuated some they closed the week with practically no net change. Hogs are in the highest position of the last two months and $1.50 higher than a year ago, and fat steers are $2 to $3 above opening prices in 1922. Lambs are $2.50 to $3.25 higher than in the first week in January last year. Demand in all lines is large and offerings are clearing readily.

Receipts this week were 32,955 cattle, 5,423 calves, 60,250 hogs, and 23,300 sheep, compared with 22,750 cattle, 3,025 calves, 41,585 hogs and 17,500 sheep last week, and 30,150 cattle, 4,100 calves, 36,950 hogs and 19,150 sheep a year ago.

Prices for fat steers this week advanced 25 to 35 cents. Normally trade in fat cattle in the opening week of the new year is dull at lower prices, but general demand now is large and the market is in a firm position at the advance. Choice steers sold at $9.75 to $10.75 and the good to choice kind $8.25 up. The warmed up classes brought $7.25 to $8. A few Southwest and mountain grass fat steers sold at $6.25 to $7.80. Colorado and Western Nebraska sugar beet pulp steers sold at $7.50 to $8.35. Cows and heifers were 15 to 25 cents higher. Because of the improved quality in the offerings killers are giving she stuff more consideration. Prime steers and heifers mixed sold at $9.75 and $10. Veal calves were 75 cents higher and the top was $11. Early in the week prices for thin cattle advanced 25 cents and the gain was well maintained up to the close. Half fat steers are finding a ready feeder outlet and a good many lighter weight steers are being bought to rough thru to grass.

Hogs are 15 Cents Higher

Hog prices fluctuated within a narrow range this week and closed 10 to 15 cents higher than a week ago, with the top price $8.55 and bulk of sales $8.25 to $8.50. Packing sows are bringing $7.50 to $8.25. Prices now are the highest for some time past and demand is large. It is the general opinion that prices will not go much higher this month.

Lamb prices are 25 cents lower, and sheep are 25 cents higher than a week ago. In the last two days, quality of the offerings has been plain and heavy weights predominated. The best lambs here brought $14.25. Strictly prime light weights would have brought $14.65 or better. Fat ewes are selling up to $7.75 and wethers up to $8.50.

Horses and Mules

Trade in horses and mules is hitting a larger stride and prices for the week on better classes are up $10 a head. Larger demand and increased receipts are expected next week.

The following quotations are given at Kansas City:

Drafters weighing 1,500 to 1,700 pounds, $100 to $150; fair to good drafters, $60 to $100; good chunks, $75 to $125; medium chunks, $50 to $75. Mules, 13½ to 14 hands high, $50 to $90; 14 to 14½ hands high, $75 to $100; 15 to 15½ hands high, $110 to $150; 15½ to 16 hands high, $100 to $175; extra big mules, $150 to $225.

Wool, Hides and Furs

Reports from Eastern markets indicate an early revival of the wool trade. Foreign markets are all strong with an advancing tendency. No particular change is noted in hides and furs. The following quotations are given at Kansas City:

Wool—Kansas, Nebraska and Oklahoma bright medium, 35c; dark medium 30c; light fine, 36c; heavy fine, 25 to 30c; Colorado, New Mexico, Utah and Texas light fine good staple, 30 to 35c.

Furs—Skunk, $3 to $5 apiece; raccoon, $6 to $8; mink, $4 to $5; muskrat, $1 to $1.50; Red Fox, $2 to $8; Gray fox, $1.50 to $2; cats, 10 to 40c.

Hides—No. 1 green salted hides, 11c; No. 2 hides, 10c; side brands, 8c; bulls, 8c; green glue, 5c; dry flint, 16c; horse hides, $2.50 to $4.50 apiece; pony hides, $2.50.

Dairy and Poultry

Heavy supplies of eggs caused a drop of 1 cent a dozen. Heavy hens advanced 1 cent a pound, but other kinds of poultry remained unchanged. Not much change was reported on dairy products.

The following quotations are given at Kansas City:

Eggs—Firsts, 37c a dozen; seconds, 25c; selected case lots, 45c; No. 1 storage, 35c; No. 2 storage, 33c.

Live poultry—Hens, 20c; broilers, 20c; springs, 17c; stags, 12c; roosters,

(Continued on Page 34)

Another Case—Famous Last Words



Experience is Often a Dear School, But Some Folks, It Seems, Can't Learn in Any Other Way No Matter What Happens

What's New in Livestock

BY OUR FIELDMEN AND REPORTERS

Application for New Stallion Licenses Should be Made Without Delay

WITH the breeding season of 1923 right at hand, stallion owners are urged to obtain their 1923 licenses immediately. If the application for license is not sent in until just before March 1, 1923, there may be considerable delay in receiving license, due to the fact that there are a great many applications coming in at that time. Licenses will be issued in the order in which the applications are received.

All advertisements, bills and posters used must give the new license number and the breeding of the stallion. The stallion owner who gets his license now and starts advertising his stallion early will have a good season. When your stallion is licensed the stallion lien law is effective.

Application blanks have been mailed to the owners of stallions licensed in 1922. New owners of stallions can get application blanks upon request, addressing Kansas State Livestock Registry Board, Manhattan, Kan.

Good Year for Herefords

More cattle were registered by the American Hereford Association in 1922 than in any other year since the organization was founded. The total number of Hereford registrations during 1922 was 108,430, or approximately 17,000 more than the registration by any other beef breed association.

Transfers of registered Herefords during 1922 totaled 69,800, which is 4,000 more than were made in 1921, and approximately 30,000 more than the number of transfers recorded for 1922 by any other beef breed. This increasing volume of business in registered Herefords has brought renewed confidence and optimism to breeders.

Hereford Men to Organize

A call for a meeting of Kansas Hereford breeders has been sent out by B. M. Anderson of the Animal Husbandry Department of the Kansas State Agricultural College. The meeting is to be held at Manhattan, Kan., February 8, which is during "Farm and Home Week" at the college.

The plan back of this sensible movement for a new state organization has been discussed for some time among those who are unselfishly interested in seeing state-wide co-operative effort among the breeders of Herefords. The plan includes the organizing of local Hereford associations covering from one to several counties each in such a way that they will keep directly in touch with the state association and take an active part in molding its policy and directing its activities. Much of the real "Grass-roots" work will be done by the local associations, and the state association will be their servant as well as their guide or coordinating machines. Hereford breeders should bring their ideas to this meeting.

Christening a Pig

The letter printed below gives results from a rather novel plan as applied to livestock advertising. Mr. Walkington, who wrote it, advertised, in connnection with his announcement of a coming public sale, that he wanted a name for a new herd boar. The advertisement described the boar, and stated that a weanling gilt would be given to the person suggesting the best name. As the boar to be named will be a factor in the sale to which attention is thus being called, the unusual number of inquiries secured undoubtedly are of considerable business importance.

This is what Mr. Walkington has to say:

"Enclosed find my check for advertisement of December 15.

"I am sure getting results, receiving all the way from 25 to 40 letters a day in answer to my advertisement.

Bartley, Neb. —R. E. Walkington."

Kansas Hogs to California

J. A. Denslow, the well-known shipper of livestock, billed to Los Angeles, Calif., recently the biggest car of hogs ever shipped from Meade, Kan. The car was a double-decker, and the consignment consisted of 177 hogs averaging in weight from 200 to 350 pounds apiece. The shipment will be unloaded at Dalhart, Tex., and culled and reloaded and then sent on to Los Angeles. This is the third double-decker car of hogs shipped from Meade to Los Angeles within two months.

All Aboard for the Chicken Special

FARMERS in Kansas last year found that poultry and eggs returned profits when many other products showed losses and this fact should stimulate a greater poultry production in the state for 1923. More chickens, ducks, turkeys and geese should be produced on every farm and the Kansas Farmer and Mail and Breeze desires to get all of its readers interested in this proposition.

The issue of January 27 will be the Special Poultry Edition of the Kansas Farmer and Mail and Breeze and in that issue we wish to have as many of our readers as possible tell us what success they have had in raising chickens and in marketing poultry and eggs. We hope you have kept records so that you can tell us how your poultry profits compare with those from other farm operations. Mention what special branches of the business you are following, whether it is the production of purebred breeding stock, eggs for hatching, baby chicks, or just the production of eggs and stock for market purposes. Write us also about your experiences in raising and marketing other kinds of poultry such as ducks, geese, turkeys, pheasants and guineas. Discuss any kind of poultry you wish but mail your letter so that it will reach us not later than January 18.

For the best letters submitted on each group of topics mentioned below the Kansas Farmer and Mail and Breeze offers the following cash rewards: First prize, $2.50; second prize, $1; third prize, 50 cents.

The Farm Flock for Profit—Send us a brief letter giving your profits on your farm poultry flock last year. Mention methods used and submit records as far as possible. State what breeds of poultry you have found satisfactory.

Incubators and Brooders—Tell us about your experiences and success in handling incubators and brooders and how long you have used them in your poultry work.

Day Old Chicks—Have you tried purchasing day old chicks and found this plan as satisfactory as setting and hatching eggs produced on the farm? Give facts and figures to support your statements.

Money from Turkeys, Ducks and Geese—What luck have you had with turkeys, geese, ducks, guineas or pheasants as sidelines in the poultry business and to what extent have they proved profitable?

Closing Date for Contest—All letters intended for this contest should reach us on or before January 18. Address all communications to I. B. Reed, Poultry Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan.

Cedarbank Poland Sow Sale

York, Nebraska

SIZE

Friday, Feb. 2

40 HEAD, THE BIGGEST OF THE BIG —5 TRIED SOWS, 15 FALL YEARLINGS, 20 TOP SPRING GILTS

Spring gilts are the tops of sixty head and sired by PRIVATEER, CEDARBANK CHECKERS and CEDARBANK DESIGNER. Fall gilts by PRIVATEER and VICTORY GIANT. Sows are picked out of the herd and go in as special attractions. None better bred. Everything bred for early farrow to boars mentioned and our young boar, SENSATION CHECK, selected and bought especially to nick with our kind of sows and gilts. Write now for catalog and mention this paper. If unable to attend let Mr. Johnson buy for you.

Peter J. Tisserat & Sons, York, Nebraska

Auct., Col. A. W. Thompson. Fieldman: Jesse R. Johnson.

Get the Catalog and Come to

The Seventh Kansas National Exposition

Wichita, Kan., Jan. 22-27

SHOWS AND SALES—Shorthorns, Herefords, Holsteins, Polands, Durocs, Percherons, Jacks, Jennets, Mules, Carlot Cattle

Farmers and livestock men of the Southwest, by all means attend this, the most unique of all livestock exhibitions.

10th Annual Convention Kansas Livestock Association Jan. 24-26

For catalog or other information, address, mentioning Kansas Farmer and Mail and Breeze—

Horace S. Ensign, Manager

Kansas National Livestock Exposition, Wichita, Kan.

CHESTER WHITE HOGS

Springdale Farm Chester Whites

Spring boars all sold. We are offering a few bred gilts at reasonable prices. We also breed Red Polls and offer some choice young bulls. W. E. ROSS & SON, SMITH CENTER, KAN.

Silver Leaf Herd

Two tried sows, 1 Feb. gilt bred to Cary's Alfalfa Prince for Feb. farrow, $40 to $65. Aug. boars, $15 each. Big type. Popular blood lines. Shipped on approval.

C. A. CARY, EDNA, KANSAS

CHESTER WHITE HOGS

$40 buys 250-lb. choice bred gilts. Gilts to farrow in March and April, out of 600-lb. sows. Fall pigs, 40 to 50 lbs., $15. Immuned.

H. C. KRAUSE, HILLSBORO, KANSAS

Chester Whites for Sale

Bred gilts for early spring farrow, from best of bloodlines. Wildwood Prince Jr. and Model Giant breeding predominate. Immuned by double treatment and certificates furnished. Write

E. M. RECKARDS, 817 Lincoln St., TOPEKA, KAN.

10 O.I.C. Boars, 40 Fall Pigs

HARRY HAYNES, GRANTVILLE, KANSAS

Choice Chester White Weanling

Boar pigs $12 each. Chas. Mills, Plainville, Ks.

O. I. C. PIGS $10.00 EACH

Bred sows. E. S. ROBERTSON, Republic, Mo.

MARCH GILTS SAFE WITH PIG

$30 to $40. Fall gilts and tried sows $40 to $50. No Yorkshires. Immune; registered, guaranteed. Two Grand Champion boars in service. The old reliable

Henry Murr, Tonganoxie, Kansas.

CHESTER WHITE BOARS AND GILTS for sale. Best blood lines. Priced reasonable.

W. H. Lynch, Neosho Rapids, Kansas.

90 O. I. C. 10 TRIED SOWS, 30 spring gilts, 30 fall gilts, 20 fall boars.

Geo. T. Bartlett, Stockton, Kansas

SPRING GILTS by Neb. Giant and Albino and bred to a son of Aviator, 1st in class 1920 Iowa fair. First class. Priced to sell. E. E. Smiley, Perth, Ks.

SHEEP

Maple Hill Farm Shropshires



Ewes from 1 to 5 years old. $20 to $25 as to quality, good type, wooled from nose to toes. Bred to imported Buttar 42 (018179R). All registered in American Shropshire Ass'n, LaFayette, Ind. Ewes sired by Imp. Nock Buttar 523, Cooper and Simon rams.

Clarence, Lacey, Phone 260, Meriden, Ks.

375 HIGH GRADE SHROPSHIRE EWES

For sale. Bred. Mostly twos and threes. Shear about 10 lbs. Will sell all or part. Price $8.00 to $12.00.

F. M. Giltner, Winfield, Kansas.

HAMPSHIRE HOGS

Paramount Stock Farm



The home of Gen. Pershing 55787 grand champion at 12 State Fairs and the National Swine Show 1919-1921. His get won grand champion at State Fairs, National Swine and International Livestock Show 1922.

Public Sale January 24, 1923. 60 head bred sows and gilts. Write now for catalog.

C. I. Ward, Box B, Cameron, Mo.

For Sale, 300 Hampshire Bred Sows



and gilts.; 25 spring boars; fall pigs. All bred to or sired by the same boars that sired grand champion carload Fat Hogs over all breeds at American Royal Livestock Show, Kansas City, Mo. Write for free Private Sale Lists, also catalog of Feb. 16 sale. WICKFIELD FARMS, F. F. Silver, Prop., Box 8, Cantril, Iowa.

Whiteway Hampshires Shipped on Approval

Winners at the American Royal and the Chicago International. Choice spring gilts, big stretchy kind, weighing 300 lbs., either by or bred to grand champion boars. Fall pigs, pairs and trios.

F. B. WEMPE, FRANKFORT, KANSAS

Hampshire Boars Ready for Service

Priced to sell. Leslie Yeagley, Marion, Kan.

BRED AND OPEN GILTS

Messenger bred, etc. Reasonable.

W. F. Dreasher, Emporia, Kansas.

Nebraskans Are Good Buyers

If you are suitably located for shipping into Nebraska and have the quality and numbers to justify advertising outside your own state, there is one thing sure—

The Nebraska Farm Journal

is outstandingly the best medium for cultivating the Nebraska trade on purebred cattle, hogs, jack stock, horses or sheep. It has many times more Nebraska readers than most advertising mediums, and about 50 per cent more than the next largest Nebraska farm paper, altho its rate is lowest. It leads in livestock interest and information as well as in advertising. See J. W. Johnson or J. T. Hunter, the Kansas Farmer fieldmen, about it, or write direct to

THE LIVESTOCK SERVICE

Capper Farm Press, Topeka, Kan.

Poland Chinas "What Am"

Ross McMurry and J. W. Costin, whose sales are advertised herewith, have built up high class herds, superior to many of the Poland herds presenting offerings to buyers this season. Discriminating buyers will note that well known representatives of the most popular families are in use in these herds.—J. T. Hunter.

McMurry Delivers Poland Chinas Free

Ross McMurry's Poland Sale

Burrton, Kan., Monday, Jan.29

55 head—5 tried sows, 7 spring yearlings, 15 fall yearlings, 25 spring gilts, 2 spring boars, 1 herd sire.

Tried sows by Charter's Giant, Sterling Timm, Sterling Buster, Gerstdale Major, etc. Spring yearlings by grandsons of Buster King and Highland Ranger. Fall yearlings by Mc's Jayhawker. Spring gilts by Mc's Jayhawker, Sterling Timm and Sterling Buster. Also selling Mc's Jayhawker and two spring boars by him.

The offering is sired by or bred to the following herd boars: **Sterling Buster** by Wonder Buster by Disher's Giant, **Dunndale Prospect** by Dunndale Giant, **Mc's Jayhawker** by The Jayhawker. The sale offering is a crossing of Big Bob and Buster blood lines—the best possible crossing. These females will farrow healthy, lusty litters that will grow big.

FREE TRUCK DELIVERY
We deliver free
1 hog — 8 miles
2 hogs—15 miles
3 hogs—25 miles
4 hogs—40 miles

Will deliver hogs over 40 miles at very reasonable expense to buyers. Get your neighbors to come with you to the sale and get some good seed stock delivered at your door at little or no expense to you.

Please mention Kansas Farmer. Send all mail bids to J. T. Hunter who will represent Kansas Farmer.

For a catalog, write

Ross McMurry
Burrton, Kansas

Elmer Gardhouse, Auctioneer
J. T. Hunter, Fieldman

Disher's Giant and Liberator Blood Blended

J. W. Costin's Poland Sale

Wichita, Kan., Tuesday, Jan. 30

1½ miles west of Derby, Kan., or 10 miles south of Wichita, Kan., on Hillside.

20 large young tried sows that have had one litter by **Morton's Chief** and **Costin's Chief** by Morton's Chief.

16 spring gilts by Costin's Chief and **Costin's Giant.**

4 spring boars by Costin's Chief. Females bred to **Kansas Liberator** by Liberator out of Giant Lady 2nd.

Here is an unusually noteworthy offering. Every one of the offering is by a Disher's Giant sire. Disher's Giant bred Polands are large and thick. Disher's Giant was a 1000-pound boar. His son, Morton's Giant, was one of the largest boars of the breed in Kan. weighing over 1,000 pounds, and Costin's Giant by Morton's Giant actually weighs over 950 pounds in breeding condition and can easily be made weigh 1,050 pounds.

These females are all bred to Kansas Liberator by Liberator, the sire of four world's champions and more first prize winners at leading shows than all other sires of the breed combined.

It is only reasonable to expect extra good litters out of these females, especially so when the dams themselves are good individuals. Write for catalog. Please mention Kansas Farmer. Address

J. W. Costin
Route 6, Wichita, Kan.

Send mail bids to J. T. Hunter who will represent Kansas Farmer at the sale.

Boyd Newcom, Auctioneer.
J. T. Hunter, Fieldman.

Giant Liberator Sale

A Double Event—Afternoon and Night

Scribner, Nebraska, Wednesday, January 24, 1923

90 HEAD bred to GIANT LIBERATOR, Giant Revelation and Matchless Invader. **Some Special Attractions:** THE GRAND CHAMPION SOW OF THE TOPEKA, KANSAS fair will sell. Many good show prospects carrying their first litters to these great boars will sell in both sales. Come and attend both. Buyers unable to attend, send their orders to R. A. McCartney, Fieldman for Capper Farm Press, in our care. Address for Catalog of both sales

H. C. McGath & Sons, Ames, Neb.
and Harry Dahl, Ames, Neb.

J. C. Price, Auct.; R. A. McCartney, Fieldman

Poland China Bred Sow Sale

Bendena, Kansas, Wednesday, Feb. 7

Our sale offering is bred to the great boars **BENDENA GIANT, OPPORTUNITY, BENDENA BOB.** Catalog tells all the particulars. Write for it NOW.

H. B. Walter & Son, Bendena, Kansas

Business and Markets

(Continued from Page 32)

10c; turkey hens, 27c; old toms, 22c; geese, 15c; ducks, 13c.

Butter—Creamery, extra, in cartons, 53 to 55c a pound; packing butter, 28c; No. 1 butterfat, 50c a pound; No. 2 butterfat, 47c.

Central markets are now getting accumulations of wheat from country elevators and export trade has been moderate and indifferent. These tendencies as might be expected have caused a considerable sagging tendency in the grain market. May wheat closed the week with losses of 4 to 5 cents while July wheat lost 3 cents. September wheat trading started with discounts of 3 to 3¾ cents under July quotations.

Cash Grain Quotations

Hard wheat at Kansas City this week was for the most part unchanged on the cash market. Dark hard wheat is in fair demand and unchanged while red wheat is unchanged to 1 cent higher.

The following quotations are reported at Kansas City:

No. 1 dark hard wheat, $1.17 to $1.21; No. 2 dark hard, $1.17 to $1.21; No. 3 dark hard, $1.16 to $1.20; No. 4 dark hard, $1.15 to $1.19.

No. 1 hard wheat, $1.13 to $1.19; No. 2 hard, $1.12 to $1.19; No. 3 hard, $1.11 to $1.18; No. 4 hard, $1.08 to $1.17; No. 5 hard, $1.06; sample hard, $1.04.

No. 1 red wheat, $1.28 to $1.30; No. 2 red, $1.26 to $1.29; No. 3 red, $1.20 to $1.27; No. 4 red, $1.14 to $1.18; No. 5 red, $1.12.

No. 2 mixed wheat, $1.12; No. 3 mixed, $1.12; No. 4 mixed, $1.10 to $1.12; sample mixed, $1.05.

Corn and Other Cereals

Corn is quoted as unchanged to ½ cent higher. Oats are unchanged while kafir is about 1 cent to 2 cents higher. The following quotations are given in Kansas City:

No. 2 white corn, 70c a bushel; No. 3 white, 69c; No. 4 white, 68½c; No. 2 yellow corn, 70½c; No. 3 yellow, 70c; No. 4 yellow, 69½c.

No. 2 white oats, 44½c; No. 3 white, 43½c; No. 4 white, 43c; No. 2 mixed oats, 44c; No. 3 mixed, 42 to 43c; No. 2 red oats, 50 to 60c; No. 3 red, 45 to 55c; No. 4 red, 40 to 48c.

No. 2 white kafir, $1.63 a cwt.; No. 3 white, $1.63; No. 4 white, $1.62; No. 2 milo, $1.85; No. 3 milo, $1.84; No. 4 milo, $1.82.

Alfalfa Hay is $1 Higher

This wek at Kansas City the better grades of alfalfa hay sold 50 cents to $1 a ton higher, but other kinds of hay were comparatively unchanged. The following quotations are reported at Kansas City:

Selected dairy alfalfa hay, $28 to $30 a ton; choice alfalfa, $26 to $27.50; No. 1 alfalfa, $24 to $25.50; standard alfalfa, $20.50 to $23.50; No. 2 alfalfa, $17 to $20; No. 3 alfalfa, $14 to $16.50.

No. 1 prairie hay, $12 to $13; No. 2 prairie, $10 to $11.50; No. 3 prairie $8 to $9.50; packing hay, $7 to $7.50.

No. 1 timothy hay, $15 to $16; standard timothy, $13.50 to $14.50; No. 2 timothy, $12 to $13; No. 3 timothy, $9.50 to $11.50.

Light mixed clover hay, $14.50 to $15.50; No. 1 light mixed, $12.50 to $14; No. 2 light mixed, $9.50 to $12; No. 3 light mixed, $9.50 to $11.50; straw, $7 to $8.

The following prices are quoted at Kansas City on millfeeds:

Bran, $1.17 to $1.20 a cwt.; gray shorts, $1.35 to $1.40; brown shorts, $1.20 to $1.25; corn chop, $1.44 to $1.45; linseed meal, $57 to $62 a ton; cottonseed meal, $51; tankage, $70 to $75.

Broomcorn and Seeds

The following quotations are given on broomcorn at Kansas City:

Fancy whisk brush, $440 a ton; fancy hurl, $390 to $425; choice Standard $375 to $400; medium Standard, $350 to $380; medium Oklahoma Dwarf, $350 to $380; common Oklahoma Dwarf, $330 to $350.

The following prices are quoted on seeds:

Alfalfa, 10 to $16 a cwt.; bluegrass, $15 to $26, according to quality and quantity; clover, $14 to $16; cane, $2.75; flaxseed, $2.31 a bushel; millet, $1.75 to $2.50; Sudan grass, $7.50 to $9.50 a cwt.; timothy, $4.50 to $6.50.

POLAND CHINA HOGS

Hill's Big Type Quality Poland Chinas
Bred gilts for March and April farrow, sired by Giant Liberator by Liberator; Hill's Col. Jack by Col. Jack; The Colonel; Clan's Bob and Liberty Bob. They are bred to Prairie Pete by Peter Pan; Giant Liberator and Royal Bob. Immunized, guaranteed and ready to ship.
W. H. HILL, MILO, KANSAS

Loy's Big Type Polands
Large stretchy gilts sired by King Rainbow, Prairie Pete and Giant Liberator 2nd. Bred to Loy's Royal Flush, the largest big type boar in Kansas for his age. Immunized and guaranteed.
G. E. LOY, BARNARD, KANSAS

Gage Co. Grand Champion Polands
Bred sow sales Feb. 21 and March 7. Write for catalog. Few extra choice March boars left, from $40 to $60. Guaranteed to please and sent C. O. D.
September pigs $25.00.
G. A. WIEBE & SON, Box M, BEATRICE, NEBR.

Loy's Big Type Polands
Large spring gilts for sale, sired by L's Yankee and Liberty Bob and bred to Wonder Cicotte, Loy's Peter Pan and L's Yankee. August pigs for sale also. Immuned and guaranteed.
C. F. LOY & SONS, MILO, KANSAS

Fairview Poland Chinas
Choice tried sows, fall yearling and spring gilts, bred to Model Jones and Peacock Jr. for March and April litters. Also serviceable boars and fall pigs. All immuned and priced to sell quickly.
P. L. WARE & SON, PAOLA, KANSAS

$35 Apiece or Three for $100
Gilts and boars; no relation; immuned; recorded in buyer's name. By Wittum's King Kole, Gerstdale Orange, King Checkers and W. Ranger. Crackerjacks, too. First check gets choice. F. E. WITTUM, Caldwell, Kan.

Schoenhofer's Immuned Polands
Serviceable aged boars, $25; bred sows and gilts, fall pigs, priced right.
Geo. J. Schoenhofer, Walnut, Kan.

DEMING RANCH POLANDS
Bred gilts, fall yearlings and spring boars by our Grand Champion Ranch Yankee and Latchnite.
H. O. Sheldon, Supt. Hog Dept., Oswego, Kan.

SPRING YEARLING SOWS AND FALL boars. Sows by or bred to Austin's Yankee Giant, M's Pride, and son of Liberator, priced right. Miles Austin, Burrton, Kansas.

SPOTTED POLAND CHINA HOGS

25 Big Growthy Spring Boars
The tops of 50 head. Immunized and shipped on approval. Also bred gilts. Also purebred August and September pigs at $12.50 each. Grandsires Arch Back King 11419 and Leopard King 6339. Also three white Scotch Collie pups. Write to
T. L. Curtis, Dunlap, Kan., Morris Co.

$35.00 Buys Spotted Spring Gilts
By the Emancipator, a son of the International grand champion at Chicago, and Marshal's Giant. Bred for March litters to Bluegrass Giant, son of the grand champion Missouri State Fair and Singleton's Giant.
G. C. ROAN, ETHEL, MACON CO., MO.

Weddle's Bred Gilts, Boars, Fall Pigs
This includes over 50 choice gilts bred to Weddle's Spotted Aristocrat. Priced reasonably. THOS. WEDDLE, Valley Center, Kan.

SPOTTED POLAND CHINA BOARS
35 head large spring boars, big husky fellows, well marked, all immune. Satisfaction guaranteed or money refunded. Priced to sell. $25 and $35, first check or draft gets choice. Don't delay if you want a bargain. Also bred sows and gilts, priced reasonable.
Tom F. McCall, Carthage, Mo.

GREENLEAF'S SPOTS. Extra fancy bred gilts $35. Weanling pigs $15. Reg. Immune.
J. O. Greenleaf, Mound City, Kansas

SPOTTED POLAND SOWS AND GILTS
Bred for March farrow, immuned and registered. Write Taggart Bros., Olpe, Kansas.

LIVESTOCK AUCTIONEERS AND SALE MANAGERS.

BOYD NEWCOM, Auctioneer
219 Beacon Bldg., Wichita, Kan.

LAFE BURGER
Livestock and Real Estate Auctioneer
WELLINGTON, KAN.

M. C. POLLARD, CARBONDALE, KAN.
Purebred Stock Sales. Terms $25 and expenses. I sell all breeds. Ref.—Breeders for whom I have worked.

Jas. T. McCulloch, Clay Center, Kan.
My reputation is built upon the service you receive. Write, phone or wire.

Homer Boles, Randolph, Kan., Purebred Stock Sales, land sales and big farm sales. Write or phone as above.

Oklahoma Needs Livestock
To advertise most economically to the largest number of prospective Oklahoma and Texas buyers of purebred hogs, cattle, horses and sheep, use

The Oklahoma Farmer
It is read on 130,000 farms and ranches of that territory; leads in the advertising and news of the livestock business; has the best editorial standing and excels in results. J. W. Johnson or J. T. Hunter, the Kansas Farmer fieldmen, will be glad to tell you about the Oklahoma Farmer or take your orders for it, or you can write direct to
THE LIVESTOCK SERVICE
Capper Farm Press, Topeka, Kan.

When Radio Goes on Farms

(Continued from Page 16)

plant battery for a radio battery. Every farm which has high voltage current available from a line, can for a nominal amount install a rectifier which can be attached to 110 volt alternating current fixtures and which will rectify or change the alternating current into a direct current for charging a storage battery, and every farm which has no electricity or automobile can have the radio battery charged for about $3 a year. When more farmers know these things, there will be more radio sets used on farms.

The folks who have no access to radio receiving sets are missing a great deal in the way of education, information and recreation. Every day and every night the air is filled with lectures, market news, crop reports, weather forecasts, news items and splendid musical programs. The speakers and performers are made up of the best talent the country can produce, and it is a privilege to listen to many of the programs broadcasted. There are big broadcasting stations within hearing distance of any point in the country, and there are no admission charges nor gate fees to attend any of these things. You get them in the comfort of your own fireside, and if it happens to be a "bum show" you can always ring off without hurting the feelings of anyone.

Wheat Needs More Moisture

(Continued from Page 26)

Osborne—The winter weather is nice for farm work but it is very dry and windy. Wheat is in an unsatisfactory condition as some of it did not get above the ground Nearly every farmer on the divide is hauling water for his stock. Stock is doing well. Rural market report: Wheat, $1; corn, 60c; hogs, $7.50.—W. F. Arnold.

Republic—The weather is fine but it is very dry. The ground remains unfrozen and a few farmers are plowing. Others are cutting wood and doing various kinds of winter work. Several public sales are being held and things bring good prices. Rural market report: Cows, $50 to $60; wheat, $1.09; corn, 61c; butterfat, 46c; eggs, 33c. At a sale one span of mules brought $430 and a span of geldings sold for $240.—C. M. Kelly.

Rooks—The weather is exceptional for this time of the year. Some ice has been put up. Growing wheat shows very little life. There is a small shortage of feed. Members of the Farmers' Union are saving 25 per cent on the price of their groceries by having them here in bulk. Rural market report: Wheat, $1; corn, 60c; oats, 45c; hens, 10c; eggs, 42c; butterfat, 42c; bran, $1.25; turkeys, 24c; hogs, $7.50. —C. O. Thomas.

Sumner—Winter so far has been ideal and stock is doing fine on wheat pasture. Wheat is in excellent condition. Corn has all been gathered. It was a fair crop. Some wheat and kafir is being threshed. Rural market report: Wheat, $1; oats, 45c; corn, 78c; butter, 40c; butterfat, 46c; eggs, 35c.—E. L. Stocking.

Stafford—The weather has been very dry for some time and wheat is badly in need of moisture. Stock is doing well on wheat pasture. Corn is about all husked and is bringing a satisfactory price on the market. Wheat marketing conditions still are very unsatisfactory because of the car shortage. —S. E. Veatch.

Stevens—Threshing is about finished. Moisture is badly needed for wheat. Wheat prospects are unsatisfactory. A few public sales are being held but very litle land is changing hands. Rural market report: Wheat, $1; kafir and milo, $1.40 cwt.; corn, 50c; butterfat, 52c; eggs, 55c.—Monroe Traver.

Trego—Weather still is dry. Wheat is not in a satisfactory condition as some of it has curled up under the crust. Feterita, kafir and cane seed are scarce and high in price. Rural market report: Feterita, 85c; kafir, $1.10 to $1.50; cane, $2; corn, 60 to 80c; wheat, $1 to $1.05; eggs, 30c; country butter, 40 to 45c.—C. C. Cross.

Wabaunsee—The weather during the Christmas season has been exceptionally mild. Cattle are doing fine and a number of farmers are pasturing their wheat. Wood cutting is the order of the day as the high freight rates forced the price of coal beyond the reach of most farmers. Rural market report: Eggs, 35c; butter, 35c; corn, 65c; flour, $3.20 cwt.; wheat, $1.07.—G. W. Hartner.

Wallace—The winter so far has been especially fine and open. We have had but two light snows. All kinds of livestock are doing well. Much corn remains to be shucked. It is corn shucking that now keeps the farmers busy and shuckers are wanted at 8c a bushel. There is no scarcity of roughness. Corn sells to feeders for from 50 to 60 cents a bushel. Rural market report: Eggs, 40c; butterfat, 45c; barley, 50c; wheat, $1.—Mrs. A. B. Stetler.

Washington—This county thus far has had no snow this season. Fine weather has prevailed the last two weeks Farm sales are bringing good prices. The ground is extremely dry on top but the wheat looks fine. Rural market report: Wheat, $1.05; corn, 70c; butterfat, 45c; eggs, 35c.—Ralph B. Cole.

Woodson—The frost is about out of the ground and the weather is ideal for farm work. Altho, moisture is neded in the soil but few farmers are in need of water for their stock. Roughness for livestock is plentiful. Much kafir has been threshed this fall and several carloads have been shipped. Many cars of hay are being sold for from $7.50 to $9 a ton. No public sales are being held at present, but horses and mules are in better demand. Rural market prices remain the same.—E. F. Opperman.

Colorado Crop Report

Weather conditions in Colorado have thus far been favorable. Temperatures have been mild and range conditions are fairly good, but more moisture is needed, especially for winter wheat. Farmers are now prepared for winter even if severe cold weather should come. Local conditions are shown in the following county reports:

Lincoln—Crop conditions continue to be satisfactory. Numerous light snows have kept the soil in a moist condition. Corn husking is about finished and much of it now is being shelled. Rural market report: Ear corn, 50c; shelled corn, 55c; wheat, 90c; rye, 55c; barley, 56c; cattle, $6.50; hogs, $7.75; cream, 43c.—Burton Rice.

Washington—No moisture has fallen for six weeks in this locality. The weather continues fair and pleasant for this time of the year, making it ideal for stock. Feeders report very satisfactory gains on both cattle and hogs. Markets seem to be satisfactory aside from the plainer kinds of cattle which meet with little consideration on the local or terminal markets. The car shortage has been permanently relieved and much wheat is moving to market. Rural market report: Wheat, $1; corn, 55c; barley, 50c; hogs, $7.25; eggs, 30c; butterfat, 43c.—Roy Marple.

Cheyenne—We recently had 4 inches of snow and several days of zero weather, the coldest being 10 degrees below zero. Corn husking is practically finished. There has been considerable loss of cattle from corn stalk disease. Because of the lack of moisture in the ground the wheat is in a very dangerous condition.—J. W. Adams.

Masa—Cars for shipping are plentiful and many cattle are moving, as are also hogs and sheep. Money is quite scarce here. The weather has been fine and we recently had a light snow. Belgian hares sell for 25c a pound. Market report, Los Angeles, California: Dressed chickens, 20c; turkeys, 30c; butter, 50c; eggs, 55c.—George Rand.

Otero—Snows on the Arkansas water shed have ben quite heavy the last 10 days. There has been very little wind but snow is 4 feet deep in some localities. The bids of Japanese tenants for farming lands are not as strong as they were last year. These tenants will be limited to a smaller acreage of cantaloupes.—J. A. Heatwole.

White's Annual Duroc Bred Sow Sale

On Farm Five Miles Northeast of Town

Lexington, Neb., Tuesday, Jan. 23

50 Head—All Immune and by Far Our Best Offering—10 Tried Sows, Including

One daughter of Great Orion Sensation, one by Great Sensation, one by King Sensation, one by Real Sensation, one by Sensation Major, one by Top Sensation Jr., one by Great Orion Sensation.

These are all young sows and high class producers and go in this sale as attractions. They are all bred to **Sensation Pathfinder,** one of the best boars ever produced by the Sensation-Pathfinder cross. He sired the boar that won first in under year class at Kansas state fair last year and was second at Lincoln in strong class.

25 Fall yearlings and 15 early farrowed gilts all by SENSATION PATHFINDER, and bred to one of the best sons of **BIG SENSATION.** His dam was a **PATHFINDER sow.** We are cataloging for this sale what perhaps is one of the outstanding offerings of the year. We own them so we can afford to take what they bring. Not a poor one will be sold and any purchases or selections made by Mr. Johnson can't help but please. Write for catalog and mention this paper.

C. T. White & Son, Lexington, Nebraska

Col. W. M. Putman, Auct. Send bids to Jesse R. Johnson in our care at Lexington, Neb.

Missouri Purebred Buyers

Have come more into Kansas the past five years than for fifty years before. If you have the goods you can interest them. One big reason is the fact that all Missouri railroads lead to Kansas City, the gateway to this state. But you must use

The Missouri Ruralist

to reach the largest possible number of prospective buyers at lowest cost in proportion to service. It has about four times the circulation of the next largest Missouri farm paper and is read on 100 times as many Missouri farms as the average of the breed papers. No advertising starts to "cover" Missouri on a livestock basis, unless it includes the Missouri Ruralist. Ask John W. Johnson or J. T. Hunter, the Kansas Farmer fieldmen, about it, or write direct to

THE LIVESTOCK SERVICE
Capper Farm Press, Topeka, Kan.

BERKSHIRE HOGS

BERKSHIRES—Large type bred gilts, cholera immune; also a few good bred sows for sale. **L. M. Knauss, Garnett, Kansas.**

FOR SALE! Twenty-nine brood sows, fifteen tried sows, fourteen gilts, bred for March farrowing.
HUGH McCLAIN, Rt. 4, McPherson, Kansas

HORSES AND JACK STOCK

A Few Choice Jacks
For sale or trade for mules.
A. W. AHLFELDT, DIGHTON, KANSAS

GREAT SHOW AND BREEDING JACKS
Priced right. Hineman's Jack Farm, Dighton, Kan.

FOR EXCHANGE—one large fine registered jack to exchange for good draft stallion.
W. E. Dustin, Rt. 1, Topeka, Kansas.

REGISTERED PERCHERON STALLION for sale; also Registered Kentucky Jack.
Danner Bros., Manchester, Kan.

DUROC JERSEY HOGS

Attention Late Boar Buyers
I have a few very choice spring boars of the herd boar kind. Bargains if taken now.
Annual Bred Sow Sale Feb. 22
J. J. SMITH, LAWRENCE, KANSAS

Taskmaster Bred Sow Sale Feb. 15
A few good boars for sale, $25 per head. First check gets the choice. Also, send us your name for our catalog.
Wooddell's Duroc Farm, Winfield, Kan.

Larimore Bred Gilts
Some bred to Orion Commander 1st prize son of Commander, 1922 champion of Neb. Kan. Okla. Some bred to a son of champion Major Sensation Col.
J. F. LARIMORE & SONS, GRENOLA, KAN.

The Quality Herd of the West
We are offering some especially good spring boars at very moderate prices. Everything immuned and descriptions guaranteed. Address
Brauer Purebred Duroc Co., Rt. 1, Colo. Spgs., Colo.

Zink Stock Farms Durocs
Spring boars by Great Sensation Wonder, Proud Pathfinder, Uneeda High Orion 2nd. Fall boars by Great Pathmaster by Pathmaster. Dams richly bred also.
ZINK STOCK FARMS, TURON, KANSAS.

E. G. Hoover's Durocs
Nothing for sale at private treaty. Send for my catalog of Feb. 3 sale.
E. G. HOOVER, WICHITA, KAN.

Walnut Hill Stock Farm Durocs
Yearling boars, spring boars and spring gilts for sale. Real hogs at fair prices.
D. C. ASHER, LAWRENCE, KANSAS

Replogle's Extra Good Durocs
Gilts by Jack's Great Orion and Orion the Great. Out of dams by Pathfinder, Great Orion, General Sensation. Bred to Royal Sensation by Royal Pathmaster by Pathmaster. Immuned, registered.
S. B. REPLOGLE, Cottonwood Falls, Kan.

35 Duroc Bred Gilts and Boars
Photos of spring boars by Smooth Sensation. Sows and gilts bred to Smooth Sensation and son of Pathfinder Jr. Cholera immune. Registered and guaranteed. Describe your wants. **Homer Drake, Sterling, Ks.**

Boys, Here Is Your Chance
We are taking orders now for weanling pigs and giving a year to pay; also boars ready for service.
STANTS BROS., HOPE, KANSAS

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.**

Bred Sow Sale Feb. 24
We have a few fall gilts at the RIGHT price.
OVERSTAKE BROS., ATLANTA, KANSAS

Spring Gilts and Boars
Priced to sell. Have a lot of good ones.
R. C. WATSON & SONS, ALTOONA, KAN.

DUROC BOARS OF SERVICEABLE AGES
$25 each. Good bone, colors, and well bred. 180 to 200 lbs. Bred gilts $30. Pigs, either sex, about 50 lbs., $10 each. Other sizes in proportion. About 15 years a breeder. Write your wants or send check.
J. E. Weller, Holton, Kansas.

Originator

We Sell 40 Big, Stylish Sows, Queens of the Breed, Mated to This Great Boar

Jan. 31--Belle Meade Farm--Jan. 31

Near Kansas City, Missouri

This is the Big Colonel boar that won First at Topeka, Hutchinson, Muskogee, Oklahoma City, and Dallas.

Put Size and Finish Into Your Herd With ORIGINATOR blood. We want you to have our catalog and a six generation pedigree of ORIGINATOR. Automobiles at Kupper and Dixon Hotels day of sale.

Belle Meade Farm, K 328 Ry. Exch. Bldg. Kansas City, Missouri
Col. F. M. Holtsinger, Auct.
C. L. Carter, Fieldman at Sale

We guarantee satisfaction on all bids sent to Carter.

J. W. Johnson and J. T. Hunter will advise with you regarding ORIGINATOR.

The Greatest Group of Duroc Sows Ever Mated to

GIANT SENSATION

Sale at Norfolk, Neb., Jan. 31

Send buying orders to R. A. McCartney in my care. Address for catalog—
W. H. Rasmussen, Box K, Norfolk, Neb.

BONNY GLEN DUROCS

40 Sept. gilts sired by a son of the Grand Champion Rainbow Sensation and out of Pathfinder bred dams. Crated light $20 each, two for $35. Farm located on state line 9 miles south of town.
JOHNSON & DIMOND, Fairbury, Neb.

Blood of the Champions
VALLEY SPRINGS DUROCS
Sensations, Pathfinders, Orions, Cols. Boars all ages. Sows and gilts for spring farrow mated to son of Stilts, Pathfinder, Scissors, Great Orion Sensation, Pathfinder Paramount, Stilts Model, etc. Reasonable prices; immuned; pedigrees; year's time.
E. J. BLISS, BLOOMINGTON, KANSAS

Boars and Bred Gilts
A selection of big type gilts bred for March and April farrow, from the best Pathfinder, Orion, and Sensation breeding. Fall boars and gilts, $15. Immuned.
ERNEST A. REED, LYONS, KAN.

Shepherd's Duroc Boar Bargains
A half dozen extra good ones to move quickly. By Sensational Pilot, 1921 Topeka g. c., out of Great Orion Sensation dams, and by Sensational Giant by Big Orion Sensation out of Orion Cherry King dams. Priced to sell. Write immediately. **G. M. Shepherd, Lyons, Kan.**

40 Bred Duroc Jersey Gilts
New breeding, improved type and best blood lines obtainable. Good big growthy spring boars. Immunized.
FRANK HAYNES, GRANTVILLE, KANSAS

OCTOBER PIGS, either sex, by Pathfinder's Victory and Scissors 2nd; 75 lbs.; $12 each. Satisfaction guaranteed. **Conrad Knief, Sublette, Kansas.**

Good Values in the Marsh Duroc Sale

Paul N. Marsh Sells Durocs at Auction

Sedgwick, Kansas, Wednesday, January 31

There will be forty tried sows, bred and open gilts and some boars. Chief herd sires: LONG SENSATION by Echo Sensation by Great Sensation, out of Premier Queen Again. (This boar is considered by many to be one of the greatest Duroc boars in the state. His sire, Echo Sensation, was one of the heaviest boned Durocs in the state.); INTENSE CHIEF 1st by Intense Orion Sensation by Great Orion Sensation, 1919-21 world's grand champion, out of Pathrion Girl; and LEADER'S MODEL by Sensation Leader Jr. Additional sires to which females in the offering have been bred or by which they have been sired include such boars as Sensation Leader Jr., Pathrion 2nd, High Sensation, Mammoth Gano Sensation 3rd, Pathrion Sensation, and Smooth Wonder. If it is profitable production of live stock you are striving for you will find the right kind of seed stock at the Marsh Duroc sale. These Durocs have inherited the maximum of the breed's best qualities. You will be favorably impressed with the good blood lines and individuality of this offering. Plan to attend the sale. For a catalog write

Please mention Kansas Farmer. If unable to attend send all mail bids to J. T. Hunter who will represent Kansas Farmer at the sale.

Paul N. Marsh, Sedgwick, Kansas

Boyd Newcom, Auctioneer. J. T. Hunter, Fieldman.

Sale in heated pavilion 3 miles southwest of Sedgwick, Kan.

Massengill's Initiatory Offering of Durocs

Caldwell, Kan., Thursday, Feb. 1

A first class offering of 40 Durocs picked from a large unpampered herd made up of good well bred individuals.

14 tried sows, 22 gilts, and 4 boars by **PATHFINDER.**

Females are by Pathfinder Chief 2nd, **GREAT PATHRION,** 1920 Kansas grand champion; Scion's Wonder by Great Wonder I Am, the sire of Great Sensation; Intense Orion Sensation by Great Orion Sensation, 1919-21 world's grand champion, and they are bred to the herd sires: REAL SENSATION MODEL by Great Orion Sensation, and L. R.'s MODEL, a grandson of Great Wonder I Am.

The Massengill herd won a majority of the best premiums at the 1922 Sumner county hog show. This sale includes the first prize futurity litter at the Sumner county show; 2 gilts and 2 boars. They are choice Durocs, too.

The Massengill farm is 1 mile southeast of Caldwell, Kan. For a catalog write

L. R. Massengill, Caldwell, Kansas

Boyd Newcom, Auctioneer. J. T. Hunter, Fieldman.

Please mention Kansas Farmer. Send mail bids to J. T. Hunter.

W. R. Huston of Americus Sells at Emporia

Duroc Sale, Emporia, Kan. Pavilion, Friday, Feb. 2

60 head: 20 sows, fall and spring yearlings, 25 spring gilts, 12 fall gilts, 3 fall boars. By Peerless Pathfinder, Victory Sensation 3rd, Giant Orion Sensation, Greatest Sensation, etc., and bred to a trio of great boars: WALTEMEYER'S GIANT by Mahaska Wonder, GOLDFINDER GIANT by Greatest Sensation, and LONGVIEW STILTS by Stilts Wonder 4th by Stilts. Most of the spring gilts are by Waltemeyer's Giant. This offering is by and bred to top boars of the breed. It is excellently bred for crossing on your Sensations, Pathmasters, Pathfinders, and Orion Cherry Kings. I have bred Durocs for years and have used the best obtainable sires and dams. 60 head of real high class Durocs comprise this offering. Write for a catalog. Please mention Kansas Farmer. Address

W. R. Huston, Americus, Kansas

If unable to be present send mail bids to J. T. Hunter who will represent the Capper Farm Press. Parties from a distance stop at Mitway Hotel as our guests.

Auctioneers, Wood & Crouch. Fieldman, J. T. Hunter.

Ralston Stock Farm Duroc Sale, Benton, Ks., Friday, Feb. 2

40 bred sows and gilts SIRED BY: Great Sensation 2nd, by Great Sensation; Orion's Sensation Wonder by Greater Orion's Sensation, out of a daughter of Great Sensation; Great Pathrion and Long Pathfinder 3rd, by Pathfinder Chief 2nd; Kansas Pathfinder by Pathfinder; and Constructor. They are BRED TO Long Pathfinder 3rd; Sensation Excel, a great fall yearling by Great Orion Sensation; and Orion's Sensation Wonder. This will be a good useful offering of immuned sows and gilts bred for March farrow. Write for catalog. Please mention Kansas Farmer.

A. E. Ralston, Manager, Towanda, Kansas

Note that the sale will be near Benton at the R. P. Ralston Stock Farm.

High Lights on Hoover's Duroc Offering

E. G. Hoover's Duroc Sale, Saturday, February 3

20 tried sows, 20 fall yearlings, 5 spring gilts, 3 fall boars. HIGH LIGHTS:

(1) One of the greatest brood sow herds in the Duroc belt. Foundation was tops from best Iowa, Nebraska and Kansas herds.

(2) Females farrowed on the farm are not bred until well grown. This is important if breeders expect to increase size of their hogs.

(3) ORCHARD SCISSORS and GOLD MASTER, boars that any breeder would be proud to own, are in service in this herd. The former by Scissors, 1917 world's grand champion, is remarkably superior in show and breeding qualities. The latter, by Pathmaster, out of a daughter of Great Orion Sensation, 1919-21 world's grand champion, has all the qualifications in blood lines and individuality to make him a great sire. Without exception every son of Pathmaster in Kansas is proving himself a good sire. COLLOSS by Superior Sensation is the pick of 37 of the best March boars kept back to complete the Hoover herd sire trio.

Everything desired by the breeder will be found in the Hoover offering: Top sows, splendid daughters, sired by and bred to great boars growing in popularity.

Sale at Hoover Orchards 3½ miles west of Wichita on Central Avenue. Bus at Pacific Hotel every half hour after 10 a. m. Heated pavilion. Write for catalog. Please mention Kansas Farmer. If unable to attend send mail bids to J. T. Hunter who will represent Kansas Farmer.

Auctioneers, Newcom, Herriff, Horn. Fieldman, J. T. Hunter.

Public Sales of Livestock

Carlot Feeders

Jan. 23—Kansas National Livestock Exposition, Wichita, Kan.

Percheron Horses

Jan. 18—Breeders' Sale at Newton, Kan.
Jan. 27—Kansas National Livestock Exposition, Wichita, Kan.
Feb. 27—Mitchell County Percheron Breeders, Beloit, Kan.

Jacks and Jennets

Jan. 27—Kansas National Livestock Exposition, Wichita, Kan.

Mules

Jan. 27—Kansas National Livestock Exposition, Wichita, Kan.

Shorthorn Cattle

Jan. 16—Breeders' Forenoon sale at Newton, Kan.
Jan. 20—Wm. Nye, Harper, Kan.
Jan. 20—W. M. Nye, Harper, Kan.
Jan. 25—Kansas National Livestock Exposition, Wichita, Kan.
Feb. 1—E. M. Phillips & Sons, Beverly, Kan.
Feb. 2—Saline Valley Shorthorn Breeders, Lincoln, Kan.
Feb. 12—Orley R. Cassell, Republican, Neb.
Feb. 15—Short Grass Shorthorn Breeders' Association, Morland, Kan.
March 12—J. W. Neff, Ulysses, Kan.
March 15—Sherman County Shorthorn Breeders' Association, Topeka, Kan.
March 27, 28, 29—Central Shorthorn Breeders' Ass'n., Kansas City, Mo.
April 10—North Central Kansas Shorthorn Breeders, Beloit, Kan.
April 11—Northwest Kansas Shorthorn Breeders' Assn., Concordia, Kan.
April 14—Riley, Pottawatomie, Wabaunsee Tri County Sale, Manhattan, Kan.

Polled Shorthorns

April 20—J. C. Banbury & Sons, Pratt, Kan.

Hereford Cattle

Jan. 16—Breeders' Sale at Newton, Kan.
Jan. 24—Kansas National Livestock Exposition, Wichita, Kan.
Feb. 2—Saline Valley Breeders, Lincoln, Kan.
April 23—Northern Kansas Hereford Breeders' Association, Blue Rapids, Kan.

Holstein Cattle

Jan. 26—Kansas National Livestock Exposition, Wichita, Kan.
Feb. 12—Missouri and Kansas Breeders, Kansas City, Mo.
Feb. 16—A. E. Helm, Glen Elder, Kan.
Feb. 28—J. P. Halsell and A. R. Taylor and others, Parsons, Kan. Combination sale at Parsons, Kan.
Mar. 1—Wm. M. England, Ponca City, Okla.
March 20—Kansas Holstein-Friesian Breeders' Ass'n of Kansas, free fair grounds, Topeka, Kan.

Angus Cattle

Feb. 2—Saline Valley Breeders, Lincoln, Kan.

Jersey Cattle

Feb. 20—Vencil Borovicka, Valley Falls, Kan.

Shropshire Sheep

Feb. 14—C. T. White & Son, Lexington, Neb.

Duroc Jersey Hogs

Jan. 15—Geo. Briggs & Sons, Clay Center, Neb.
Jan. 16—Jas. M. Ulin, Hunter, Kan.
Jan. 17—Breeders' Forenoon sale at Newton, Kan.
Jan. 23—C. T. White & Son, Lexington, Neb.
Jan. 25—Kansas National Livestock Exposition, Wichita, Kan.
Jan. 31—P. N. Marsh, Sedgwick, Kan.
Jan. 31—W. H. Rasmussen, Norfolk, Neb., night sale.
Feb. 1—L. R. Massengill, Caldwell, Kan.
Feb. 2—Saline Valley Breeders, Lincoln, Kan.
Feb 2—Ralston Stock Farm, Benton, Kan. A. E. Ralston, Mgr, Towanda, Kan.
Feb. 2—W. R. Huston, Americus, Kan. Sale at Emporia, Kan.
Feb. 3—Jewell County Breeders, Mankato, Kan.
Feb. 3—H. G. Hoover, Wichita, Kan.
Feb. 5—L. J. Healy, Hope, Kan.
Feb. 5—G. M. Shepherd, Lyons, Kan.
Feb. 6—Ross M. Peck, Gypsum, Kan.
Feb. 6—Wm. Fulks, Langdon, Kan.
Feb. 6—L. L. Humes, Glen Elder, Kan.
Feb. 6—F. H. Preston, Burchard, Neb.
Feb. 6—B. F. Hendricks, Diller, Neb.
Feb. 7—Zink Stock Farm, Turon, Kan.
Feb. 7—E. E. Norman, Chapman, Kan.
Feb. 8—Woody & Crowl, Barnard, Kan.
Feb. 8—S. D. Shaw, Williamsburg, Kan.
Feb. 8—Stafford Co. Duroc Breeders' Association, Stafford, Kan.
Feb. 9—Mitchell county breeders, Beloit, Kan.
Feb. 9—J. F. Martin, Delevan, Kan.
Feb. 9—Frank J. Schaffer, Pratt, Kan.
Feb. 10—Pratt Co. Duroc Association, Pratt, Kan.
Feb. 10—S. and R. Cooley, Plymouth, Kan. and Will Albin, Saffordville, Kan. Sale at Emporia, Kan.
Feb. 12—H. G. Eshelman, Sedgwick, Kan.
Feb. 13—B. W. Conyers, Severy, Kan., and E. O. Hull, Reece, Kan. Sale at Severy, Kan.
Feb. 14—O. G. Criss, Agricola, Kan.
Feb. 14—W. D. McComas, Wichita, Kan.
Feb. 15—Wooddell & Danner, Winfield, Kan.
Feb. 15—Ottie McBride, Parker, Kan.
Feb. 15—Geo. Dimig, York, Neb.
Feb. 19—G. O. Cleaves, Valley Center, Kan.
Feb. 26—Earl Babcock, Fairbury, Neb.
Feb. 16—W. T. McBride, Parker, Kan.
Feb. 16—J. F. Larimore & Sons, Grenola, Kan.
Feb. 16—Putman & Son, Tecumseh, Neb.
Feb. 16—L. D. Spence & Sons, Tecumseh, Neb. (3 P M)
Feb. 17—R. C. Smith, Sedgwick, Kan.
Feb. 19—Andrew McMullen, Gibbon, Neb.
Feb. 19—M. R. Peterson, Troy, Kan., sale pavilion, Bendena, Kan.
Feb. 20—Katy Moser, Sabetha, Kan.
Feb. 20—Overstake Bros., Atlanta, Kan.
Feb. 20—A. B. Holmburg, Gibbon, Neb.
Feb. 20—C. J. Fear, Bala, Kan.
Feb. 21—H. E. Labart, Overton, Neb.
Feb. 21—D. Arthur Childears, Emporia, Kan.
Feb. 21—Stuckey Bros., Wichita, Kan.
Feb. 21—R. E. Kempin, Corning, Kan.
Feb. 21—Enoch Lungren, Osage City, Kan.
Feb. 22—J. J. Smith, Lawrence, Kan.
Feb. 22—J. J. Smith, Lawrence, Kan.
Feb. 22—M. I. Brower, Sedgwick, Kan.
Feb. 22—Dr. C. H. Burdett, Centralia, Kan.
Feb. 22—Archie French, Lexington, Neb.
Feb. 23—R. W. Newcom, Benton, Kan.
Feb. 24—Poland—Boeckenstette—Woodbury, Comb. Sale, Sabetha, Kan.
Feb. 24—H. W. Flook & Son, Stanley, Kan.
Feb. 24—Glen Blickenstaff, Oberlin, Kan.
Feb. 26—Breeders' Sale, Concordia, Kan.
Feb. 27—Reno County Duroc Association Sale at Hutchinson.
Feb. 28—Lock Davidson, Wichita, Kan. (Sale at Caldwell, Kan.)
March 3—Marcy & Critchfield, Fall River, Kan.
March 6—D. S. Sheard, Esbon, Kan.
March 7—Earl J. Anstett, Osage City, Kan.
Mar. 7—W. H. Rasmussen, Norfolk, Neb.
March 7—L. A. Poe, Hunnewell, Kan.
March 10—Johnson & Dimond, Fairbury, Neb.
March 10—E. W. Nickel, Dodge City, Kan.
March 17—John Hern, Wamego, Kan.
April 20—Heiber & Hylton, Osawatomie, Kan. Sale at Paola, Kan.
April 21—Homer Rule, Ottawa, Kan.
April 26—Laptad Stock Farm, Lawrence, Kan.

Spotted Poland China Hogs

Jan. 18—Breeders' Forenoon Sale at Newton, Kan.
Jan. 20—F. J. Zlab, Hubbell, Neb.
Feb. 7—Lyon Co. Spotted Poland Breeders' Association. Sale at Emporia, Kan.
Feb. 10—Pottawatomie County Spotted Poland China Breeders Association, Onaga, Kan.
Feb. 20—Henry Field, Shenandoah, Ia.
March 5—Jas. S. Fuller, Alton, Kan.
Mar. 20—Henry Field, Shenandoah, Ia.
Apr. 17—Henry Field, Shenandoah, Ia.

Poland China Hogs

Jan. 19—F. P. Bradfield, Wichita, Kan.
Jan. 17—Breeders' Sale at Newton, Kan.
Jan. 13—H. T. Hayman, Formoso, Kan.
Jan. 24—Kansas National Livestock Exposition, Wichita, Kan.
Jan. 24—H. C. McGath & Sons and Harry Dahl, Ames, Neb. Sale at Scribner, Neb.
Jan. 24—Joe Tucker, 140 S. Belmont, Wichita, Kan. Sale at Forum.
Jan. 29—Ross McMurry, Burrton, Kan.
Jan. 30—J. C. Costin, Wichita, Kan.
Feb. 2—Saline Valley Breeders, Lincoln, Kan.
Feb. 2—Peter J. Tisserat & Sons, York, Neb.
Feb. 5—Mr. and Mrs. W. McCurdy, Tobias, Neb.
Feb. 7—H. B. Walter & Son, Bendena, Kan.
Feb. 12—A. L. Wiswell & Son, Ocheltree, Kan.
Feb. 12—Orley R. Cassell, Republican, Neb.
Feb. 14—C. S. Nevius & Sons, Chiles, Kan.
Feb. 15—Deming Ranch, Oswego, Kan.
Feb. 15—Breeders' Sale, Concordia, Kan.
Feb. 17—C. B. Schrader, Clifton, Kan.
Feb. 19—Snyder & Caswell, Broughton, Kan.
Feb. 21—W. A. Prewett & Sons, Asherville, Kan. Sale new sale pavilion, Beloit, Kan.
Feb. 22—W. A. Davidson, Simpson, Kan.
Feb. 24—Chas. Krill, Burlingame, Kan.
Mch. 6—Kennedy, Nicholson & Baker, Blue Mound, Kan.
March 8—J. E. Baker, Bendena, Kan.
March 9—Reno County Poland Breeders' Association. Sale at Hutchinson, Kan.
March 9—Logan Stone, Haddam, Kan.
March 12—J. W. Neff, Ulysses, Kan.
April 26—Laptad Stock Farm, Lawrence, Kan.

Chester White Hogs

Jan. 30—Henry and Alpha Wiemers, Diller, Neb.
Jan. 31—Wm. Buehler, Sterling, Neb.
Feb. 16—Morton Bros., Oberlin, Kan.

Hampshire Hogs

Feb. 5—W. F. Dreasher, Emporia, Kan.
Feb. 13—T. C. Hendricks, Diller, Neb. Sale at Beatrice, Neb.
Feb. 16—Wickfield Farms, Cantril, Ia.
Mar. 14—Wickfield Farms, Cantril, Ia. Sale at Sioux City, Ia

Notes From the Field

BY J. W. JOHNSON

Woody & Crowl's Duroc Sale

Woody & Crowl, Barnard, Kan., breeders of high class Duroc Jerseys, will hold their annual bred sow sale at the "Roadside Farm" close to Barnard, February 8. It is one of the strong offerings of the year and High Giant and Climax Sensation are the two great boars featured in the sale. There will be nice things in the sale by these boars and a large part of the offering is bred to them. Kansas Giant, shown at Topeka this year, and the only Kansas bred pig that got in the money is surely a winner. A lot of the best things in the sale are bred to him. The sale will be advertised in the next issue of the Mail and Breeze. They sell the fourth sale in the Central Kansas circuit the second week in February. The sales will all be advertised in the next issue of the Mail and Breeze.—Advertisement.

H. B. Walter & Son's Poland China Sale

Bendena Giant, the grand champion Poland China boar of Kansas in 1921, was the sire of a lot of the 1922 winners. Opportunity is a Giantess bred boar but is different from a lot of Giantess bred boars. He is a very large boar with wonderful feet and legs. Bendena Bob is a son of Bendena Giant and is one of the longest, tallest, heaviest boned boars produced in 1922. These are the great sires that the great offering of H. B. Walter & Son, Bendena, Kan., is bred to. Some of them will stand out as the greatest individuals offered in any sale anywhere during the winter. Featured in this sale are a few tried sows, a nice string of tried yearlings that have raised fine fall litters and a few splendid spring gilts. The catalog tells you the whole story. Write for it at once and mention the Mail and Breeze. —Advertisement.

W. H. Hill's Poland Chinas

W. H. Hill, Milo, Kan., Lincoln county, had expected to hold a bred sow sale again this spring, but because he does not have as many as last spring he is selling about 20 wonderful gilts at private sale. The Poland China gilts that Mr. Hill offers are as good in blood lines and individually as any you will find anywhere this season. He has in his herd a combination of blood lines that should please anyone wanting the best and most popular breeding. These gilts are by Giant Liberator by Liberator; Hill's Col. Jack by Col. Jack; The Colonel, Clan's Bob, and Liberty Bob. They are bred to Prairie Peter by Peter Pan, Giant Liberator and Royal Bob. All are immunized and ready to ship at prices that are very reasonable. For further information, address W. H. Hill, Milo, Kan.—Advertisement.

Tomson Brothers' Shorthorns

Shorthorn people, particularly those in the market for young herd bulls, will be watching the information put out on the coming Kansas sales at Newton and Wichita. In the case of the latter, in which the Shorthorn sale is held in connection with the Kansas National Livestock Show, the consignment of Tomson Brothers of Dover and Carbondale, Kan., is of interest, as it comes from the state's leading Shorthorn herd. The three young bulls consigned by Tomson Brothers are up to standard for herd headers, being of very desirable Scotch breeding; two sired by Jealous Dale and one sired by Marshal's Crown. From similar foundation stock come four heifers of this consignment. Two of these will be in

calf to Marshal's Crown and one is sired by that bull. The advertisement in this issue tells how to get the catalog. Be sure to specify the breed in which you are interested when writing for catalog.—Advertisement.

G. E. Loy's Polands

G. E. Loy, Barnard, Kan., offers big, stretchy Poland China gilts by well bred boars and bred to Loy's Royal Flush, a boar of great size and promise, bred by L. R. McClarnon of Braddyville, Ia. This boar was farrowed March 22, 1922, and stands 38 inches high, 68 inches long and has a strong 10 inch bone. Write to Mr. Loy if you want big type bred gilts.—Advertisement.

Gordon & Hamilton's Herefords

Gordon & Hamilton, Horton, Kan., Brown county, change their copy in the Hereford section of the Mail and Breeze this week. They offer five young bulls of serviceable ages that are good ones, their mates having been made steers some time ago. They also have their second crop of calves among which is a choice lot of young bull calves. At the head of the Gordon & Hamilton herd of Herefords are two herd bulls, either one of which is worthy of mention anywhere good Herefords are desired. Battle Mischief, a favorite son of old Beau Mischief, is the senior herd bull and Pretty Stanway, a bull that has been bred back by Gudgell & Simpson for five generations. These young bulls are by both bulls while a string of fine young cows and heifers by Battle Mischief and bred to Pretty Stanway are offered. For a while they thought of holding a sale but prefer if possible to sell their surplus at private sale at prices less sale expenses at least. It is a matter of reducing their herd and they will sell you about anything you want in the Hereford line at very reasonable prices. Write them at once for descriptions and prices. Look up their advertisement in the Hereford page.—Advertisement.

E. M. Phillips & Sons' Shorthorn Sale

E. M. Phillips & Sons, Beverly, Kan., and V. A. Plymot, Barnard, Kan., will hold a public sale of Shorthorns at the Phillips farm 1 mile east and 3½ miles north of Beverly, Thursday, February 1. There will be 40 head in the sale and included are several big Scotch cows with nice pedigrees. There will also be a nice lot of Scotch topped cows, most of them bred to imported bulls. They are also selling 20 young bulls, eight of them being sired by Imported White Edwin. A few weeks ago I was on the Phillips farm and was shown the cattle that go in this sale and they are an excellent lot of real Shorthorns. While I did not get to see the cattle that Mr. Plymot is selling I was assured that they were cattle of good quality, and as Mr. Plymot has been breeding Shorthorns for a good many years it goes without saying that his part of the offering will be good. Imported White Edwin was one of the very best bulls imported by J. C. Robison. He is a Cruickshank Butterfly with the best bulls in Scotland in his pedigree. Imported Herald was sired by a son of Mr. Duthie's Max of Cluny who sired Collyne King Lavender, Cluny Proud Augustus and many other famous bulls. The Scotch topped animals in this sale have enough Scotch sires in the tops of the pedigrees to make them practically 100 per cent Scotch. Such bulls as Avondale, The Lad for Me, Villager, Whitehall Sultan, St. Valentine, Collynie, Lord Cowslip, Craven Knight and other famous bulls are represented. This is a real opportunity for farmers, beginners and breeders to buy at auction good cattle that will strengthen their herds or prove profitable for foundation herds. Following this sale the Saline Valley Purebred Stock Breeders' Association will sell Shorthorns and other beef breeds and two or three breeds of hogs in an association sale at Lincoln, Kan. Lincoln is about 10 miles west of Beverly. The sale is advertised in this issue of the Mail and Breeze. For the catalog address either E. M. Phillips & Sons, Beverly, Kan., or S. F. Kirk, Wichita, Kan. —Advertisement.

BY J. T. HUNTER

J. A. Reed & Sons, Lyons, Kan., write that they have an extra fine bunch of gilts bred for March and April farrow and that they can furnish over 60 head, offering very attractive prices in lots of considerable number. Reeds have always kept the best of breeding in their herd. They change their advertisement this issue. Read it to get the breeding of the gilts and boars they offer. Write them, mentioning Kansas Farmer.—Advertisement.

Ernest A. Reed of Lyons, Kan., is changing his Duroc advertisement in this issue. Mr. Reed now offers big type Duroc gilts bred for March and April farrow. Also fall boars and gilts. Look up his advertisement.—Advertisement.

Thomas Weddle, Valley Center, Kan., has a lot of Spotted Polands and is offering summer and fall boars, a few open gilts, and gilts bred to Weddle's Spotted Aristocrat that was a prize winner at the last Missouri state fair. Weddle's Spotted Polands have gone out all over the state and west and have given satisfaction. Just write Thomas Weddle and ask about the class in which you are interested and he will tell whether he can fill your order to your satisfaction. Mention Kansas Farmer. —Advertisement.

Cary's Silver Leaf Chester Whites

C. A. Cary, Edna, Kan., is offering Chester Whites as follows: 2 tried sows, 1 February gilt and August boars. Prices quoted in the card in this issue. By good son of Wildwood Prince Jr., Alfalfa Wonder, Chief Justice 2nd, and Cary's Alfalfa Prince. Good quality and priced reasonably. Shipped on approval.—Advertisement.

Who Sells Herefords at Wichita?

Hereford cattle will be consigned to the Kansas National sale at Wichita, Kan., January 24, by the following breeders: Robt. H. Hazlett, Eldorado, Kan.; Ken-Caryl Ranch, Littleton, Colo.; D. C. Moss, Valley Center, Kan.; G. L. Mathews & Son, Kinsley, Kan.; John G. Kuhlmann, Chester, Neb.; Paul Junod, Jr. & Sons, Vermillion, Kan.; F. H. Hull & Son, Eureka, Kan.; and W. L. Yost, Independence, Mo. Write Horace S. Ensign, Mgr., Wichita, Kan., for catalog.—Advertisement.

Kansas National Holstein Consignors

Holstein cattle have been consigned to the Kansas National sale, Wichita, Kan., January 26, by the following breeders: Mark Abildgaard, Mulvane, Kan.; Geo. and F. P. Bradfield, Derby, Kan.; A .C. Cline, Rose Hill, Kan.; C. L. Goodin and Chas. High, Derby, Kan.; C. L. Somers, Wichita, Kan.; Arthur Mosse, Leavenworth, Kan.; Geo. Appleman, Mulvane, Kan.; J. C. Dulaney, Winfield, Kan.; State Training School, Winfield, Kan.; W. R. Crow, Hutchinson, Kan.; and Arkansas Valley S. and L. Co., Holly, Colo. Write W. H. Mott, Mgr., Herington, Kan., for catalog.—Advertisement.

Poland Buyers Please Note

See January 6 issue of Kansas Farmer and Mail and Breeze for advertisement of the Joe Tucker, 140 S. Belmont, Wichita, Kan., Poland sale at the forum, Wichita, Kan., January 24, under auspices of Kansas National Livestock Exposition. It will be a great offering from one of the greatest Poland herds of Kansas of the Southwest. Real aristocrats carrying individuality and hand picked from a good herd. Get the issue carrying the advertisement and see for yourself that it is a wonderfully well bred offering. You may yet have time to get a catalog. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

The Wichita Percheron Sale

Percheron horses are reported consigned to the Kansas National sale at Wichita, Kan., January 27; by the following breeders: Ira Rusk, Wellington, Kan.; C. W. Ogden, Bayneville, Kan.; L. E. Fife, Newton, Kan.; R. C. Kennedy, Wichita, Kan.; J. T. Schwalm, Baldwin, Kan.; Fred Beeson, Arkansas City, Kan.; Ed Nickelson, Leonardville, Kan.; D. F. McAlister, Topeka, Kan.; C. R. Seward & Son, Baldwin, Kan.; W. K. Rusk, Wellington, Kan.; T. B. Bowman & Sons, Boone., Neb. and J. Blaine Adams, Sexton, Kan. Write Horace S. Ensign, Mgr., Wichita, Kan., for catalog.—Advertisement.

Durocs and Polands at Wichita

Hogs will be consigned to the Kansas National Sales January 24 and 25 by over a dozen Poland China and Duroc Jersey breeders as follows: Polands—Joe Tucker, Wichita, Kan.; Kay County Poland China Association, Blackwell, Okla.; H. B. Scherger, Valley Center, Kan.; Dr. E. C. Allmon, Midlothian, Tex.; John Hazen, Protection, Kan.; J. W. Costin, Wichita, Kan. Durocs—H. H. Glen, Newton, Kan.; Means Bros., Arkansas City, Kan.; E. J. Wagner, Mulvane, Kan.; C. W. Cole, Renfrow, Okla.; S. B. Replogle, Cottonwood Falls, Kan.; E. G. Hoover, Wichita, Kan.; and Overstake Bros., Atlanta, Kan. Write Horace S. Ensign, Mgr., Wichita, Kan., for catalog.—Advertisement.

Robert Campbell's Ayrshire Bulls

Robert P. Campbell, Attica, Kan., has one of Kansas' largest and best Ayrshire herds. His sale last fall at Harper proved conclusively that not only did he have good Ayrshires but that parties all over the middle West are wanting better Ayrshires and they bought a lot of Mr. Campbell's. With this issue Mr. Campbell changes his advertisement to announce that he invites inquiries concerning the good young bulls he has for sale now. Howie's Dairy King and Jean Armour breeding as well as other breeding, will be found in his herd. A letter of inquiry will bring information concerning what he has for sale. Please mention Kansas Farmer when you write him.—Advertisement.

Shepherd's Boar Bargains

G. M. Shepherd, Lyons, Kan., has a half-dozen slashing big spring Duroc boars for sale. They are by Sensation Pilot, 1921 Topeka grand champion out of Great Orion Sensation dams and by Sensation Giant by Big Orion Sensation out of Orion Cherry King dams. They are priced to move quickly because Mr. Shepherd needs the room these fellows are taking up. He has a big crop of fall pigs and his bred gilts and sows to care for and he means just what he says when he offers to let these boars go at much less than they are really worth. They are not cut-backs but real sire prospects and some parties needing Duroc boars are going to get bargains. Are you going to be one of the bargain getters? Better get a letter off to Mr. Shepherd right now and grab one of these boars. Mention Kansas Farmer when you write.—Advertisement.

35 Guernsey Cows and Heifers Sell at Newton

There is an ever increasing demand for Guernsey cows and heifers. The demand far exceeds the supply. When Frank Kirk

WHERE TO WRITE OR TELEPHONE

About Livestock Advertising

Following are the addresses of the men who handle livestock advertising for the Kansas Farmer-Mail and Breeze and also the Oklahoma Farmer, the Missouri Ruralist and the Nebraska Farm Journal:

John W. Johnson, fieldman for northern Kansas, 820 Lincoln St., Topeka, Kan.

J. T. Hunter, fieldman for southern Kansas, 427 Pattie Ave., Wichita, Kan.

Stuart T. Morse, fieldman for Oklahoma, 631 Continental Bldg., Oklahoma City, Okla.

O. Wayne Devine, fieldman for northern Missouri, 1407 Waldheim Bldg., Kansas City, Mo.

Charles L. Carter, fieldman for southern Missouri, 1407 Waldheim Bldg., Kansas City, Mo.

Jesse R. Johnson, fieldman for southern Nebraska, 227 South 13th St., Lincoln, Neb.

R. A. McCartney, fieldman for northern Nebraska, 227 South 13th St., Lincoln, Neb.

W. J. Cody, officer manager, or T. W. Morse, director, care address below.

Notice: Orders for starting or stopping advertisements with any certain issue of this paper, should reach this office on or before Saturday, seven days before the date of that issue.

Instructions mailed as late as Friday evening on advertising to appear the following week, should be addressed direct to

THE LIVESTOCK SERVICE,
Capper Farm Press, Topeka, Kansas.

HOLSTEIN-FRIESIAN SHOW-SALE

Wichita, Kan., Friday, January 26

Held Under the Auspices of the Kansas National Livestock Show

A number of cows and heifers with County Testing Ass'n Records.
Ten cows with A. R. O. Records; four cows with Semi-official Records..
Six daughters of Sir Augustine Hengerveld.
Four daughters of Sir Aaggie Colantha Pontiac.
Four daughters of Korndyke Moensje Canary.
One daughter of Pabst Korndyke Elder.
One cow with yearly record of over 16,000 lbs. milk and 635 lbs. butter.
Six serviceable bulls from A. R. O. dams and high record sires. Extra individuals.
These good cattle come from some of the best herds of Kan. and Mo.
Nearly all herds represented are accredited or under federal supervision.
All cattle sold with the usual 60 to 90 day retest privilege.
This is the time to buy Holsteins.
Write today for catalog, mentioning this paper. Address

W. H. Mott, Sales Manager, Herington, Kan.

GUERNSEY CATTLE GUERNSEY CATTLE

Cows and Bred Heifers

Registered and High Grades In Great Combination Auction

Newton, Kan., Thursday, Jan. 18

Geo. Newlin, Hutchinson, Kan., Secretary of the Kansas Guernsey Breeders' Association, consigns 35 head consisting of registered cows and heifers with splendid producing pedigrees; 26 excellent high grade two-year-old bred heifers. All sired by registered bulls; their dams all sired by registered bulls, and all of them bred to registered bulls.
This is the best lot of Guernsey cows and heifers you will have a chance to buy at your own price this winter.

Keep in Mind We Sell

50 Shorthorns at 9 a. m., Jan. 16; **50 Herefords** at 2 p. m., Jan. 16; **50 Durocs** at 9 a. m., Jan. 17; **50 Polands** at 2 p. m., Jan. 17; **50 Spotted Polands** at 9 a.m., Jan. 18; **25 Percherons** and **35 Guernseys Thursday afternoon, Jan. 18.**
If you want to buy some high class breeding animals at reasonable prices—come.

F. S. Kirk, Sales Manager

GUERNSEY CATTLE

RANSOM FARM GUERNSEYS
Bulls—Calves to serviceable age by 1919 world's grand champion out of record breaking dams.
Ransom Farm, Homewood, Kansas

JERSEY CATTLE

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.
R. A. GILLILAND, DENISON, KANSAS

DO YOU WANT JERSEYS?
If so, write us. We have them in all ages, either sex, one or a carload. Kindly state the number and ages you want to buy when writing. No commission charge to buyer.
KANSAS JERSEY CATTLE CLUB
R. A. Gilliland, Secretary, Denison, Kansas.

15 JERSEY HEIFERS, 6 months to 2 years old. Financial breeding. Some bred to calve soon. **J. G. Condon, R. 3, Hiawatha, Kan.**

BULLS: Calves to serviceable age. $30 to $75. High producing dams. Chief Raleigh's Sultan, Fontaine's Red Chieftain's Muriel's Masterpiece breeding. Fed, accredited herd. **Albert Knoeppel, Colony, Kan.**

IF YOU WANT TO BUY A CAR LOAD of Registered Jerseys, write to
B. N. Linton, Denison, Kansas, Jackson Co.

REG., CRATED JACOBA IRENE BULLS. Yearling fifty; line-bred sucklings twenty dollars. **F. SCHERMAN, R. 7, Topeka, Kan.**

GALLOWAY CATTLE

Reg. Galloways, Bulls, Cows, Heifers

FASHION PLATE, SILVER LAKE, KAN.

HOLSTEIN CATTLE

Valley Breeze Holsteins

A bull bargain. A nice young fellow ready for service. Sired by V. B. Homestead De Kol, whose dam Hydepark Lady De Kol is the only cow in Kansas with this combined record. Milk 669.9 lbs., butter 32.52 lbs. in seven days. This is production and individuality combined. Write for price.
O. R. BALES, LAWRENCE, KANSAS

Bonaccord Holsteins Are Productive

They are large, prolific, pure bred and desirable. Our herd is multiplying so fast we must sell something. Herd federal accredited. Write us your wants. We believe we can please you.
LOUIS KOENIG, SOLOMON, KAN.

Holstein Bulls

We have them any age from calves to bulls ready for heavy service. Sired by King Frontier Pontiac and from cows with records up to twenty-five lbs. Priced reasonable. Write us.
O. E. RIFFEL & SON, STOCKTON, KAN.

BRAEBURN HOLSTEINS. Only young bull calves, and two cows, or heifers.
H. B. Cowles, 608 Kansas Ave., Topeka, Kan.

REG. HOLSTEIN BULLS FOR SALE. One ready for service and several calves. Priced reasonable. Write **Hugh Wright, Onaga, Ks.**

HOLSTEIN CATTLE

Bradfield's Reduction Sale

Holsteins, Polands. At farm 3 miles N.W.

Derby, Kan., Friday, Jan. 19

3 full aged A. R. O. cows: dam of Lady Wayne, Ladoga, Kan., 7 and 30 day g. c., a sister to g. c., and another high producing cow. 3 two-yr.-old heifers, 2 yrlg. heifers, 1 heifer calf and 1 bull calf. All out of A. R. O. dams. Breeding age females with calves or in service to King Korndyke Canary Homestead and King Rachael Gewina Homestead, 1,000 pound bulls. 10 high producing grades, milkers and springers. 8 reg. Poland sows and gilts bred to a Liberator boar to farrow in March. For catalog write mentioning Kansas Farmer-Mail & Breeze. Address
F. P. BRADFIELD, Rt. 6, Wichita, Kan.
Boyd Newcom, Auctioneer.
J. T. Hunter, Fieldman.

Registered Holstein Bull

Dutchland Creamelle Vale Johanna. Kind and sure breeder. Nearly white. Individually one of the best. Five years old. Has 7 yearly record dams averaging 1040 lbs. Dam 24 lb. four-year-old daughter of Colantha Johanna Lad. His sire Field's Creamelle Bull with four 1000 lb. daughters. His dam 1082. Her dam 1155. Her dam 1000. Herd mostly his daughters reason for selling. Price $250.00.
O. S. ANDREWS, GREELEY, KANSAS
(Anderson County)

Mott's Sale Calendar

Holstein Sales

Jan. 25—Kansas Assn., Show Sale, Wichita, Kan.
Feb. 12—Missouri and Kansas breeders, Kansas City, Mo.
Mar. 1—Wm. M. England, Ponca City, Okla.
Mar. 20—Holstein-Friesian Breeders' Association of Kansas, Topeka, Kan.
If you want to buy write to Mott.
If you want to sell write to Mott.
Address **W. H. MOTT, Herington, Kansas.**

Shungavalley Holsteins

Bulls up to 7 mos. of age, from high record cows, both in short and long time test. Some from our Sr. Konigen herd sire and some from Konigen daughters and sired by our junior herd sire, whose dam holds State record for butter for a year as a junior 3-year-old and was 6th in the U. S. last year. This is the best lot of bulls we ever raised both in individuality and production.
IRA ROMIG & SONS, TOPEKA, KAN.

Registered Holstein Cows and Heifers

Twelve A. R. O. cows, five bred heifers, also two young bulls for sale, sired by and bred to highest record bulls in Kansas. Prices very reasonable.
R. E. STUEWE, ALMA, KANSAS

Kansas National Official Shorthorn Auction

Creditable Cattle, Dependable Guarantees and Prompt Delivery of Papers Assured; The American Shorthorn Breeders' Ass'n in Charge. Sale follows Judging of the Big Shorthorn Show at

Wichita, Kansas, January 25

Among Those Consigning Herds Are the Following:

Carpenter & Ross, Mansfield, O.; J. A. Alderson, Nash, Okla.; W. A. Swingle, Byron, Okla.; Tomson Bros., Carbondale, Kan.; J. C. Robison, Towanda, Kan.; J. H. Kennedy, Perth, Kan.; W. T. Hargiss, Pittsburg, Kan.; J. W. McDermott, Kahoka, Mo.; W. A. Forsythe & Son, Greenwood, Mo.

Be sure to send for the catalog. Next to the book itself an idea is best gained from the above list of consignors. It is of interest also to note that the following bulls will be represented: Marshal Joffre, Marshall's Crown, Dale's Renown, Cumberland Gift, Morning Star, Imp. Ironclad, Beaver Creek Sultan, Butterfly Collynie, and some of the leading Carpenter & Ross herd bulls. All the desirable families will be found in these sales from the old time unexcelled Cruickshank Secret to the Nonpareils, Jilts, etc., of most recent importation.

This sale is being held in connection with the Kansas National Livestock Show in the Fireproof Forum covering a city block in Wichita, Kan. Address all inquiries for Shorthorn catalogs to

W. A. Cochel, Sale Mgr., Baltimore Hotel Kansas City, Mo.

40 Registered Shorthorns

At Auction, on the Farm of E. M. Phillips & Son, Beverly, Kan. Farm Located One Mile East and Three and One-half Miles North of Beverly

Sale at 10 a. m., Thursday, February 1, 1923

BIG FREE LUNCH AT NOON FOR EVERYBODY

A splendid offering of dual purpose Scotch and Scotch Top Shorthorns.

They are real double-deckers—big, thick fleshed, easy feeding, quick maturing cows of true Shorthorn type—the kind that give enough good rich milk to grow their calves and furnish abundance of milk and butter for the family.

The farmer's kind that produces both the best of beef and the richest of milk.

The blood of Imported Grand Champion Villager thru Villager Junior, one of his very best breeding sons. The blood of Imported Grand Champion Whitehall Sultan, thru his sons, Avondale and Barron Sultan. The blood of the Grand Champion St. Valentine, thru his son, The Lad for Me, an International Grand Champion.

SALE INCLUDES 19 Scotch and Scotch Top cows, several with calves at foot; three splendid yearling heifers;

20 excellent young bulls, including 7 beautiful roans, sired by Imp. White Edwin.

7 cows bred to Imported Herald; 5 cows bred to Auburn Dale 2nd.

The records show an enormous shortage of all kinds of meat producing animals, especially of cattle. With high priced feed no one but a millionaire can afford to feed scrubs. Good cattle will make you money and scrubs will lose you money.

This entire offering will be sold in good breeding condition-and you can buy them worth the money. It will be bargain day for you. Be sure you attend. FREE SALE CATALOGS WITH BREEDING AND DESCRIPTION MAILED ON REQUEST.

E. M. Phillips & Son, Beverly and V. A. Plymat, Barnard, Owners

F. S. KIRK, Sales Manager

Auctioneers: James T. McCulloch, L. S. Ruggles, Earl Ruggles J. W. Johnson, Fieldman, Mail and Breeze

Note: The Saline Valley Purebred Livestock Breeders' Association sell Shorthorns and other breeds the day following our sale.

W. M. Nye Reduces Shorthorn Herd

40 Scotch and Scotch Topped Shorthorns—Sale Pavilion

Harper, Kansas., Saturday, January 20, 1923

40 head—22 tried females, 11 young females, 7 bulls. A number sired by Bapton Corporal, Rosewood Dale, Victor Archer, Choice Echo, and Violet Goods out of Duchess of Gloster, Marsh Violet, etc., dams. Some bred to or sired by BUTTERFLY SULTAN by Baron Sultan by Whitehall Sultan. 7 cows with calves at side. Students of Shorthorn pedigrees will readily see that this sale offers choice breeding. The offering is close up in the blood of the greatest sires and dams of the breed and is directly by or out of well known sires and dams. An offering of good breeding Shorthorns in ordinary flesh. It's the wrong time of year to sell to get the most money but I must reduce my herd because of lack of feed now and reduced pasture next spring and summer. POSITIVELY NOT A SLUFF-OFF SALE—IT'S A SURPLUS SALE.

Send for Catalog—Mention Kansas Farmer and Mail and Breeze.

W. M. Nye, Harper, Kansas

Auctioneers, Newcom, Bowman, Davis. Fieldman, J. T. Hunter

SHORTHORN CATTLE

Tomson Shorthorns

20 attractive herd bulls of best Scotch breeding.

Sired by **Village Marshal, Marshal's Crown, Jealous Dale.**

20 heifers suitable for calf clubs or foundation stock. Can furnish females and herd bulls not related.

Entire herd under federal supervision.

Tomson Bros.

WAKARUSA, KAN, or DOVER, KAN.

2 Yr. Old Roan Bull

Sired by Imp. Lawton Tommy. Weighs nearly a ton. A good individual and a good breeder.

Paul Borland

Clay Center, Kansas

POLLED HEREFORD CATTLE

Polled Herefords

Herd bull for sale, Polled Louis No. 770248. Also some fine young Polled bulls.

WM. C. MUELLER, Rt. 4, HANOVER, KAN.

RED POLLED CATTLE

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.

AYRSHIRE CATTLE

ROBT. CAMPBELL'S AYRSHIRES

Breeders interested in buying young Ayrshire bulls are invited to ask for particulars. We have Jean Armour and Howie's Dairy King, etc. breeding. Address

ROBT. P. CAMPBELL, ATTICA, KANSAS

PROSPERITY'S GOOD GIFT

A choice herd bull whose full sister now holds state championship in her class for milk and butterfat production. **GLEN PARIS, DIGHTON, KAN.**

AM DISPERSING my entire Ayrshire herd. Ayrshire cows and heifers at low prices for quick sale. **Ray Felton, Dwight, Kansas.**

started to assemble the entries for the big sale at Newton he addressed every Guernsey breeder in Kansas and could not find a single breeder that wanted to spare any females. He persisted and kept insisting that now was the time for the Guernsey breeders to get before the public with a good offering, as there have been more inquiries regarding Guernseys than any other breed. Mr. Kirk finally interested George M. Newlin, secretary of the Kansas Guernsey Breeders' Association, and for the good of the breed Mr. Newlin has consigned 35 excellent cows and heifers, including both registered and high grades to the sale at Newton. They sell Thursday, January 18. See advertisement elsewhere in this issue.—Advertisement.

Shorthorns in the Kansas National

Shorthorn cattle consignments to the Kansas National sale at Wichita, Kan., January 25, are listed for the following breeders: Fremont and Clarence Leidy, Leon, Kan.; J. A. Anderson, Nash, Kan.; Ben H. Bird, Protection, Kan.; E. H. Goodwin, Larned, Kan.; Carpenter & Ross, Mansfield, Ohio; W. L. Warnock, Loveland, Colo.; John Regier, Whitewater, Kan.; W. A. Swingle & Sons, Byron, Okla.; Haskins & Ogden, Republican City, Neb.; A. W. Jacobs, Valley Center, Kan.; W. A. Forsythe & Sons, Greenwood, Mo.; J. H. Kennedy, Perth, Kan.; Bluemont Farms, Manhattan, Kan.; J. W. Wartick, Wellington, Kan.; Meade T. Hargiss, Wichita, Kan.; J. C. Robison, Towanda, Kan.; J. W. McDermott, Kahoka, Mo., and Maxwell-Miller Cattle Co., Littleton, Colo. Write W. A. Cochel, Mgr., Baltimore Hotel, Kansas City, Mo., for catalog.—Advertisement.

Raising Herefords and Flying High

One day four years ago an airplane landed on the K. R. Garver, Attica, Kan., Hereford ranch. When the aviator took off again he invited Mr. Garver for a ride. The next week Mr. Garver bought an airplane and learned to operate it. Today, he has a big hangar at the ranch and operates two Curtis and one Laird planes. Some months ago he opened a school of aviation and recently graduated two fliers. Several students have enrolled for the next tern beginning January 15. The airplanes have double controls. When the student advances sufficiently far in his ground work he is permitted to fly the airplane with Mr. Garver in charge of the other control. When he shows sufficient ability to control the plane he is then permitted to do solo flying. Landing, rather than flying, is the most difficult thing for the novice. Mr. Garver has been running his Hereford ranch for the last 10 years and has a good registered herd. He starts a card in the Hereford section of this issue of Kansas Farmer and Mail and Breeze. Raising good Herefords and managing his flying school keeps him pretty busy.—Advertisement.

He Says Little But Raises Good Durocs

L. R. Massengill, Caldwell, Kan., lives a mile southeast of Caldwell, Kan. He has a large herd of registered Durocs and will hold his first auction sale at his farm Thursday, February 1, at which time he sells 14 tried sows, 22 gilts, and 4 boars. This issue of Kansas Farmer carries an advertisement of his offering. It will give you a good idea of the breeding. Mr. Massengill does not pose as a breeder, altho he does have the breeder's kind. His is a herd from which you may select good foundation stock. Among other good things in the sale will be his first prize futurity litter at the 1922 Sumner county hog show. The two gilts and two boars in this litter will sell. The Massengill herd took a majority of the best ribbons at that show and a number of the Durocs in the sale will be some of those he had at the show or of same blood lines. Send for a catalog. In it you will find some choice breeding and very likely just what you will want. Write Mr. L. R. Massengill, Caldwell, Kan., for a catalog. Please mention Kansas Farmer. Send your mail bids to J. T. Hunter who will represent Kansas Farmer at the sale.—Advertisement.

The Newton Percheron Sale

Along with a half dozen other important auctions at Newton, Kan., the week of January 15 to 20, will be held on Thursday, January 18, a sale of about 20 Percheron stallions and 12 to 15 mares. Some of the best Percherons in the state will be sold in this sale, which includes sons and grandsons of the $40,000 Grand Champion Carnot. It also includes 10 mares, all sired by or bred to sons or grandsons of Carnot. The sentiment among the farmers has changed a great deal during the last few months regarding the value of horses. It is true, horses have been selling very cheap, but it is also true that everybody realizes the immense shortage of horses that is sure to come within the next few years. It is the farmer who looks ahead who is now in the market for good brood mares and good stallions, for it is general belief that horses will advance more in price during the next few years than any other kind of livestock on the farm. If you would like to buy stallions, brood mares or fillies, write for catalog of the Percherons to be sold at Newton, mentioning this paper and addressing Frank S. Kirk, at Wichita, Kan.—Advertisement.

Paul Marsh Offers Good Durocs January 31

Paul Marsh, Sedgwick, Kan., has been raising Durocs for several years and holds his first auction sale at his farm Wednesday, January 31. There will be 40 sows and gilts and a few boars. Display advertisement in this issue gives general description of the offering. The three herd sires are all good breeding boars but special mention should be made of one of them. Long Sensation by Echo Sensation is an especially well got up boar. He is considered by many to be one of the best Duroc boars in Kansas. A good sow or gilt bred to the boar will be a profitable purchase. In addition to the breeding mentioned in the advertisement special mention might be made of a few of the best in the sale: High Lena by High Sensation, Pathrion Queen by Pathrion 2nd, Smooth Maid by Smooth Wonder, Crimson Lass by Crimson Winner, 4 gilts by Pathrion Sensation, 3 gilts by Sensation Leader Jr., and 3 gilts by Mammoth Gano Sensation 3rd. Sale will be in a heated pavilion at the Marsh farm 1 mile west and 3 miles south of Sedgwick or 4 miles west and 2½ miles north of Valley Center. Will meet trains and interurban at Sedgwick and Frisco train at Coleman. Write for catalog. Please mention Kansas Farmer. Send all buying orders to J. T. Hunter who represents Kansas Farmer at the sale.—Advertisement.

W. R. Huston Sells 60 High Class Durocs

W. R. Huston, Americus, Kan., will hold his annual spring Duroc sale at Emporia, Kan., sale pavilion Friday, Feb. 2. Sale is held at Emporia because of better railway facilities. 60 head will likely be the largest number of hogs sold in any one sale in the state. Offering comprises 20 sows, fall and spring yearlings, 25 spring gilts, 12 fall gilts, and 3 boars. Herd sires are Waltemeyer's Giant by Mahaska Wonder by Great Wonder out of Giant Belle by Giant Invincible. Mr. Huston selected this boar as the best boar in the Jake Waltemeyer herd and later Mr. Waltemeyer conceded that this was the best boar in the herd. Goldfinder Giant by Greatest Sensation by Shepherd's Orion Sensation is out of a daughter of Pathfinder's Image. Longview Stilts is by Stilts Model 4th by Stilts out of a Pathfinder dam. These are not tail end boars out of good families but are exceptinally good individuals. The Huston herd was the earliest herd of Durocs to be established in Lyon county. Mr. Huston bought two of the best bred sows he could find and has carefully built up his herd from that source. He will have Waltemeyer's Giant at the sale for visitors to look at. Parties from a distance will go to Mit way Hotel as the guests of Mr. Huston. The catalog gives detailed description better than does this reader and advertisement in this issue. Write for a catalog. Please mention Kansas Farmer. Send all mail bids to J. T. Hunter who will represent Kansas Farmer.—Advertisement.

Orchard Scissors and Goldmaster Sale

E. G. (Ed.) Hoover, Wichita, Kan., bought top females at Iowa, Nebraska and Kansas sales for herd foundation. He got good ones. Then he looked around for the best boars he could find for sires. He has two surpassingly fine ones: Orchard Scissors by Scissors, 1917 world's grand champion, and Gold Master by Pathmaster, and has picked out a son of Superior Sensation, Colloss, for his third sire. This fellow is a March pig, the pick out of 37 of the best boars sired this spring on the Hoover farm. The advertisement in this issue gives necessary information concerning the Hoover sale Saturday, February 3. Here are a few statements not incorporated in the advertisement: 7 sows are bred to Gold Master, including 2 by Valley Sensation, 1 by Colonel Critic, 1 by Cherry Orion, 1 by Giant Originator, 1 by Orion Critic, 1 by Col. Pathfinder. 9 sows are bred to Orchard Scissors, including 1 by Peerless Pathfinder, 1 by Perfect Wonder, 1 by Pathrion 2nd, 1 by Pathrion 3rd, 1 by Pathfinder Jr., 1 by Giant Orion 6th, 1 by Jack's Orion King, 1 by Pathfinder Chief 2nd, and 1 by Great Sensation 2nd. Last week's issue carried a field note describing some of the buildings erected at the Hoover farm and some in process of erection. Sale will be in heated pavilion. Read the advertisement in this issue. Write for a catalog. Attend if possible. If you cannot attend send all mail bids to J. T. Hunter who will represent Kansas Farmer at the sale. Sale at Hoover Orchards 3½ miles west of Wichita on Central Avenue. Bus leaves Pacific Hotel every half hour beginning 10 a. m.—Advertisement.

Disher's Giant and Liberator Blood

J. W. Costin lives 1½ miles west of Derby, Kan., or 10 miles south of Wichita, Kan., on Hillside. His postoffice address is Route 6, Wichita, Kan. Tuesday, January 30, he offers 40 Polands at auction. The display advertisement in this issue of Kansas Farmer gives description of the offering. Noteworthy statements that might be made concerning the offering is that it is a richly bred Disher's Giant offering, females of which are in service to Liberator bred sire. Some few years ago an Eastern breeder deliberately set out to produce an extraordinary large boar by mating some large females and sires of good blood lines and in turn their large sized get were mated. After several matings of large, well made Polands Disher's Giant was produced. This boar was large, weighing in the 1,000-pound class. Along with his large size came prepotency in that respect. Morton's Giant, Giant Lunker, and Big Lunker were two large sons of that boar in service for some time in Kansas. Morton's Giant was the largest of the three mentioned. A son of Morton's Giant heads the J. W. Costin herd. We weighed that boar and found that he weighed 920 and in just fair breeding condition. He can easily be made weigh over 1,050. And it takes a large boar to weigh 900 pounds. The females in the offering are all sired by Disher's Giant boars. They are all bred to a son of Liberator that has produced more grand champions than all other boars of the breed. It is not too much to expect great litters from the females in the Costin offering.

Write Mr. J. W. Costin for a catalog. Please mention Kansas Farmer and Mail and Breeze. Send mail bids to J. T. Hunter if unable to attend.—Advertisement.

McMurry Saves Delivery Expense for You

Seldom does a young breeder at his first auction sale have so exceptionally strong a group of herd sires as Ross McMurry, Burrton, Kan., will have to show buyers when they come to his sale at his farm 7 miles south of Burrton, Kan., Monday, January 29, at which time he will sell 55 Polands. Note the good breeding: McMurry's Jayhawker, by The Jayhawker, by The Rainbow; Dunndale Prospect by Dunndale Giant by Dunndale Pilot, 1920 Iowa grand champion. That is not all. Lockridge Giantess that sold for $2,000 in the Glover dispersion was shipped to the home of Dunndale Giant and bred to that good boar, the sire of the McMurry boar, Dunndale Prospect. Sterling Buster, by Wonder Buster by Disher's Giant, completes the trio of boars at the McMurry farm. This boar, Sterling Buster, is well and favorably known all over Kansas and altho in the 1,000-pound class, is as active as a pig. The tried sows and the yearling and spring gilts are well bred as the advertisement in this issue shows. Practically all the younger females are by, or bred to, the sires just mentioned. You cannot beat the Big Bob and Buster cross, and everything points to the fact that these litters that will come from the females to be sold will be exceptionally desirable. One of the things that will interest all prospective buyers who read this, is the feature of free delivery. Mr. McMurry will deliver absolutely free as follows: 1 hog, 8 miles; 3 hogs, 15 miles; 3 hogs, 25 miles; 4 hogs, 40 miles; and will deliver hogs over 40 miles at very reasonable expense to buyers. At this time of high freight and express rates, this feature means a saving. Discuss this feature of the sale with your neighbors and get them to come with you and buy good seed stock in sufficient numbers together to get free delivery or nearly so. Write Mr. Ross McMurry, Burrton, Kan., at once for catalog and any further particulars. Please mention Kansas Farmer and Mail and Breeze. Those unable to attend may send mail bids to J. T. Hunter in Mr. McMurry's care.—Advertisement.

BY JESSE R. JOHNSON

Sows Bred to Grand Champions

Geo. J. Dimig, the man who developed and exhibited and still owns the National grand champion Duroc Jersey boar, Constructor, will hold his annual bred sow sale at York, Neb., on February 15. W. M. Putman & Son, the men who bred, developed and exhibited The Commander, the boar that was grand champion of Nebraska, Oklahoma and both Kansas fairs the past year will sell on the day following at Tecumseh, Neb. Kansas breeders in the market for the best should plan to attend both of these sales. Write any time for catalog and mention Kansas Farmer and Mail & Breeze.—Advertisement.

Tisserat's Great Poland China Offering

One of the really great offerings of big type Poland Chinas of the winter will be the Cedarbank sale to be held at York on February 2. For this sale Peter J. Tisserat and the boys have picked out twenty big spring gilts that are the tops of the sixty head on the farm, and will be weighing 375 pounds sale day. A big factor in this sale will be that part of the offering bred to the great young boar Sensation Check, a spring boar that stands 38 inches tall, has 9-inch bone and weighs 375 pounds in ordinary flesh at 9 months old. The Tisserats are also cataloging 5 of their best tried sows for this sale. They include 2 half sisters to the herd boar Privateer, 2 of the fall gilts by Privateer are out of the great sow Bob's Beauty and out of a litter that produced 4 boars good enough to head good herds. Watch later issues for dope on this sale, but write now for the catalog and mention this paper.—Advertisement.

C. T. White & Son's Duroc Sale

There will be no better place to buy Durocs. One of the January bred sow sales to be held in Nebraska that should attract buyers from Nebraska and adjoining states is the C. T. White & Son sale to be held on farm near Lexington on January 23. This firm, in order to put up a really great offering, is cataloging ten of their best sows—not old, worn-out sows that lie on the pigs and can't hear, but big motherly young sows that have already proven themselves great producers and mothers. They are daughters of Great Orion Sensation, Great Sensation, Top Sensation Jr., King Sensation and other noted boars of the breed. They include the great sow, Crimson Sensation, by Top Sensation 2nd. This sow was second in mature sow class at Denver. This great line of big matrons will be bred for early farrow to what is one of the best breeding boars in Nebraska. His name is Sensation Pathfinder. He was sired by Orion Great Sensation by Great Sensation and his dam was a Pathfinder sow. This boar has sired many outstanding Durocs. One of them won first at Kansas state fair last fall and was second at Lincoln in a mighty strong class. The get of this boar has won wherever shown, even at the best county fairs pigs by this boar have always been strong winners. The 25 big fall gilts and the 15 early farrowed spring gilts that sell are all by him. Tney must be seen to be appreciated. They will be bred to one of the heaviest boned young boars we have seen. He is a son of Big Sensation, a littermate to Great Orion Sensation. Write at once for catalog and either attend or send bids to Jesse R. Johnson in care of White & Son, Lexington, Neb. Ask J. W. Johnson about the offering.—Advertisement.

BY C. L. CARTER

Belle Meade Farm Duroc Sale

I don't know who started the cry for outcross boars. There are too many "outcrosses" in existence already. What we need and what constructive breeders are doing, is to utilize the simon pure foundation of the breed—the blood that made the Duroc such a favorite with the farmer, feeder and packer. Belle Meade Farm is a place where Durocs are improved. It is a breeding plant. Because of their practical and scientific way of producing modern hogs they have at the head of their herd a boar that knocked 'em to their knees this year on the show circuit and that is siring a class of stock several years ahead of most of them. This is Originator, a Colonel boar. Without Colonel and Protection blood there would be no real Durocs; mark that on your calendar. Originator was sired by the great Stilts (a Walt's Top Col. bred boar) out of a dam of King the Col. and Defender breeding. In Originator they have a boar that represents the epitome of the breeder's art of the present time. By combining these blood lines Originator is the result of the fusing of the blood of the only two Orion Chief 13333 sows ever mated to King of Col.'s, often referred to as the daddy of the breed. Belle Meade Farm had this pedigree tabulated in the six generation form and will gladly mail one to every reader of the Kansas Farmer and Mail and Breeze who will write for it. Mention the Kansas Farmer and Mail and Breeze. January 31 Belle Meade will sell mated to this great boar some of the very best sows ever sold. Sows that are true herd quality. It is in such auctions that the buyer secures real herd improvement. Be sure to attend this sale.—Advertisement.

Hereford Breeders of Kansas

Our Foundation Stock

Came from the noted Pickering Farms and from the Wm. Acker herd. Herd headed by Beau Avondale 9th, sire by Prince Rupert 8th, dam by Bonnie Brae 8th. Lord Dandy, sire by Beau Picture, dam by Beau Dandy. Some good young bulls for sale.
VAVROCH BROS., OBERLIN, KANSAS

Mc Mischief, Son of Beau Mischief

and 40 splendid herd cows of fashionable blood lines is the foundation I am building on. Just choice bulls for sale from 12 to 24 months old. Also Poland China hogs of quality and breeding. Write for further information. Address
J. R. Houston, Gem, Kan., Thomas County

Elmdale Farm Herefords

125 head in our herd of excellent Herefords. Herd bulls: **Beau Stanway**, by Choice Stanway; **Beau Delightful** and **Heir's Anxiety 5th**. Visitors welcome at all times. Annual sales in Phillipsburg.
JANSONIUS BROS, Prairie View, Kan., Phillips Co.

HEREFORD HOME FARM HEREFORDS

Our herd, headed by **Dandy Lad**, by Dandy Julius. **Gollorum**, by Bon Lad 4th. 80 head in herd. Good bulls, serviceable ages, and cows and heifers to sell.
H. Hitchcock, Bellaire, Kan., Smith County.

SOLOMON VALLEY HEREFORD FARM

In service, Doctor Mischief 3rd, by Doctor Domino by Domino, and out of a Beau Mischief dam. 75 head in the herd. For sale: 10 large yearling heifers, good. They are open but of breeding age. Nice crop of young bulls.
FRED TETLOW, Downs, Kan.

THE BLOOD OF BONNIE BRAE

Excelled in recent shows. Anxiety and modern blood lines. Some choice yearling and 2-year-old heifers. Some choice young bulls. Address,
Naber Bros., Basehor, Ks., Leavenworth Co.

Klaus Bros. Show and Breeding Herd

Herd headed by Beau Onward 86th. Ten yearling heifers by Beau Onward 19. Always headquarters for herd bull material and Herefords of quality. Address
KLAUS BROS., Bendena, Kan.

Latham Fairfax—Woodford Lad

200 Herefords in our herd. For sale: Two or three choice 2-year-old bulls; 20 yearling bulls; bred cows and heifers and yearling heifers up to a car load. Come and see our herd—write for descriptions and prices.
S. W. TILLEY & SONS, Irving, Kan.

Hereford Park Herefords

Young bulls up to 2 yrs. old, linebred Anxiety. Herd bulls in service, Sir Stanway, a double Domino and Bright Stanway; Matador, a Beau Beauty and Beau Brummel 10th bred bull. My cows are all of Anxiety breeding. **J. F. SEDLACEK, BLUE RAPIDS, KAN.**

Blue Valley Herefords

DELIVERED FREE. 12 heifers and bull, $1,000. Bulls $100; calves $75. Herd established over 30 years. Best of Anxiety 4th breeding. If you want good cattle buy Blue Valley Herefords. Satisfaction guaranteed.
COTTRELL & MONTAGUE, IRVING, KAN.

1886—1922 Steeleway Herefords

Barnes, Kansas

300 Reg. Breeding Cows FOR SALE

100 of them bred to good bulls. 50 yearling and 2-year-old heifers. 125 long yearling heifers. For sale in single or car lots. 700 head in the herd.
MILTONVALE CATTLE COMPANY, Miltonvale, Ks.
W. H. Shroyer, Manager, Miltonvale, Kan.

Anxiety 4th Herefords

Sires in Service, Lord Stanway by Bright Stanway. Alex Mischief, grandson of Beau Mischief. Cattle for sale of both sexes at all times.
J. H. Miller, Woodston, Kan., Rooks County

Mischief Donald by Beau Mischief

125 head in the herd. A strong herd of breeding cows, many of them by Repeater 7th. Bred cows and heifers for sale and some very choice young bulls of serviceable ages. Address,
FRANK HUG & SONS, Scranton, Kan., Osage Co.

Sixty 2-Year-Old Heifers, Bred

Sired by Sir Dare and Domineer 566433. Bred to Don Balboa 596021 and Domineer 566433. Choice stock, priced to sell. Also 20 yearling heifers and 100 cows, same breeding. Farm 1½ miles west city limits on West 6th and 10th St. roads.
LEE BROS., Topeka, Kan.

SYLVAN PARK STOCK FARM

Fairfax-Anxiety Herefords headed by Stephen Fairfax and Quinto by old Domino. Herd bull material. A car load of yearling bulls. Bred cows and heifers. Also Spotted Polands.
Miller & Manning, Council Grove, Kan.

Maple Shade Hereford Farm

Offers 10 head choice yearling heifers. Good quality, popular breeding, priced right.
Fred O. Peterson, Route 5, Lawrence, Kan.

BEAU SIMPSON

By Beau Randolph, dam by Beau Dandy, also Battle Mischief, a good son of Beau Mischief, are the herd bulls I use. Choice Anxiety cows. Nothing but choice stuff offered. **Arthur McCray, Rt. 4, Hiawatha, Kan.**

Sires That Have Influenced Kansas Herds—7



PRIME GROVE (2101) 369871

The short history of Prime Grove and his achievements as a Polled Hereford sire should be of interest to Hereford breeders. His record places him in the ranks of the great Polled Hereford sires. He is credited with having made many converts to the Polled Hereford standard. The record of prices for his get at a time of comparatively low prices denotes the popularity of his offspring and his value in bringing Polled Herefords into prominence. —Livestock Editor.

Prime Grove (2101) 369871 while one of the greatest Polled Hereford bulls, was so close to the foundation of double standard Polled stock that he might well be classed both with the foundation material of the breed and with its finished product. Prime Grove, calved January 16, 1911, was bred by W. Andrews & Sons who sold him to H. J. Smith for $1,025, a remarkable price at the time. His great grandsire, and the first polled animal of record in his pedigree, is Giant 101740 and number 1 of the Polled Hereford Record. Mated with Hannah Ernst, number 11 of the polled record, he produced Polled Admiral 2nd (43) 230299, that sired Echo Grove (297) the sire of Prime Grove and, with Prime Grove, one of the great improvers of the breed.

It is remarkable that the four ancestors just named are the only Polled animals in Prime Grove's pedigree, a pedigree rich in the best horned Hereford strains of the periods covered; Horace, Grove, Garfield and Anxiety blood, the last named coming thru three crosses of the famous bull, Boatman, by Don Carlos. Yet Prime Grove had a typical polled head and sired a good per cent of polled calves, transmitting also his qualities of exceptional docility, and thrift. The possession of characteristics having such a strong appeal to farmers as these naturally would, his excellence of form and his ample bone and scale made a Polled Hereford missionary out of Prime Grove wherever he went. H. J. Smith of Nebraska, who owned him longest, credits this bull with having converted his neighbors of Butler county to the Polled Hereford standard. Our illustration gives a fair idea of this individuality, tho not revealing the exceptional thickness and accuracy of the hind quarters.

Few of Prime Grove's get sold at less than $500 each. In the Smith sale of 1918 six sons, daughters, grandsons and granddaughters of Prime Grove sold for an average of $1,275. In the Smith sale of 1920, nine daughters of Prime Grove averaged $916, and five sons averaged $1,345. In this sale Prime Grove, nine years and weighing 2,400 pounds, sold for $3,500, to Kelleher Brothers of Iowa, who got nearly two years use of him. Among notable progeny are Prime Grove 6th, now in service in the Smith herd; Clifford Grove sold for $2,700. Antoinette Grove sold for $1,000, Princeps Grove sold for $985, Nellie Grove sold for $1,035, and Franklin Grove sold for $1,000. While these were sold during a time of comparatively easy prices, they are high enough to show the relative esteem for this breeding.

Mr. Smith says his best breeding cows are daughters of Prime Grove. He now has in his herd the get of Prime Grove, also of his sire, and of a son and a grandson; four successive crosses in line; a good illustration of how leading Polled Hereford breeders have fixed the qualities of the better sires, as they proved themselves of this class.—T. W. Morse.

No Richer Breeding Exists

among the descendants of Anxiety 4th than that carried by DON ACTOR 501941, senior herd sire of Gilmorelands. Cow herd made up of granddaughters of Beau Dandy, Beaumont, Bright Stanway, Prince Rupert 8th, Dale and Brigadier. Yearling bulls for sale. $125 up. **GILMORELANDS, FREDONIA, KAN.**

5 Bulls Ready for Service

By Battle Mischief by Beau Mischief, and **Pretty Stanway,** bred back five generations by Gudgell & Simpson. Splendid young cows and heifers by Battle Mischief and bred to Pretty Stanway priced reasonable.
GORDON & HAMILTON, HORTON, KAN.

Old Cottonwood Stock Farm

Cows with calves, open or bred heifers, serviceable aged bulls. Herd sire, PLUTO DANDY 4th, grandson of Beau Dandy.
ELMER DUKELOW, HUTCHINSON, KAN.

Cows, Heifers and Bulls

Some cows are granddaughters of Lamplighter, a number with calves at side, 2-year-old and yearling heifers and bulls. Main sire BEAU BALTIMORE 13th.
JOHN CONDELL, ELDORADO, KANSAS

75 Closely Bred Anxiety Females

Cows, 2-year-olds, yearlings by or bred to present herd sire, Modest Domino Jr. and Echo Lad 85th. Serviceable aged bulls.
Lone Tree Ranch, K. R. Garver, Attica, Kan.

Hazford Place Modern Herefords

Breeding stock, all ages and classes by and out of our well known sires and dams that are closely descended from great Anxiety 4th bulls. Each animal we sell is of our own breeding. **Robt. H. Hazlett, Eldorado, Kan.**

Cows, Heifers and Young Stock

Sires: WOODLAND LAD 2nd by Onward Lad, and HAZFORD 20th by grand champion Bocaldo 6th.
W. H. TONN, HAVEN, KANSAS

Grand Champion Regulator and Repeator 126th

Cows with calves; young stock, both sexes, by or bred to these great sires. Dams are of excellent breeding also.
G. L. MATTHEWS & SONS, Kinsley, Kan.

Excellent Herd of Reg. Herefords

10 cows, 6 heifers, including granddaughters of Repeater. Herd sire also for sale. Closing out to give full time to dairying. Priced to sell. **S. F. LANGENWALTER, Halstead, Kan.**

For Sale—Heifer Calves and Bulls at $50.00

Fairfax and Bill Royal breeding.
SCHLICKAU BROS., HAVEN, KANSAS

Heifers and Underyearling Bulls

By DIRIGO 15th and DIRIGO 17th, out of Anxiety 4th dams. Federal accredited herd.
W. C. CUMMINGS, HESSTON, KANSAS

Polled and Horned Herefords

Good young bulls, double Beau Brummels, Perfection Fairfaxes, and Polled Platos. Main sire, MONARCH FAIRFAX.
G. E. SHIRKY, MADISON, KANSAS

140 Line Bred Anxiety 4th Breeding Cows

Six first class well bred herd sires in use. All classes, both sexes for sale any time. We have just what you want.
DR. G. H. GRIMMELL, HOWARD, KAN.

HERD BULL BARNSTORMER 557926

Calved July 4, 1915. A linebred Anxiety bull. A really great sire and a good individual for sale. We want to keep his heifers.
H. D. PLUMMER, LONGTON, KANSAS

Cows, Heifers, Bulls

By or out of Buddy L. and Willey Fairfax by Ridgeland Fairfax by Perfection Fairfax. Junior sire, Brummel Fairfax. Offering one or a carload.
PAUL WILLIAMS, MARION, KANSAS

POLLED HEREFORDS

POLLED HARMON POLLED HEREFORDS

A very select herd of 85 breeding cows. A few very choice young cows, bred, and some young heifers for sale. Bulls, real herd header material, from 12 to 18 months old. Write to
GOERNANDT BROS., Aurora, Kan.

GOODVIEW STOCK FARM HEREFORDS

Improver Prince, senior herd bull. **Polled Plato, Jr.,** junior herd bull. 200 Polled Herefords in this herd. For sale: Bred cows and heifers; cows with calves at foot and bulls from 8 to 20 months old. Write for descriptions and prices.
GEO. BINGHAM, Bradford, Kan., Wabaunsee County

Advertisers in This Section

Are joining forces to keep before the farm and pasture owners of Kansas and Colorado the many nearby sources of the blood which has proven so adaptable to their conditions. Write for particulars about this service.

JAN 12 1923

Imported Belgium Melotte

Saves a Quart of Cream from Five Gallons of Skimmed Milk

"A month ago you shipped to me by express Frt. C. A. R. R. one Melotte cream separator. We have used it every day since. We separated 5 gallons of milk on a separator which we used three years. We then took the separated milk and ran it through the "Melotte Machine" and we got more than a quart of good heavy cream from the separated milk. We are well pleased with the Melotte."—
James Cantrell, R. R. No. 2, Waynesville, Ill.

Will Never Haul Whole Milk Again
I want to express my appreciation of the Melotte Cream Separator. I delivered my first cream to creamery May 13th and for that month got $13.73 more than for whole milk sent in April. Our net gain for the month was $27.44, and only used the separator 18 days; before that we had hauled the whole milk, but never again.
F. E. Foster, Albert Lea, Minn.

Creamery Couldn't Find Any Cream in Milk
We are very much pleased with our Melotte, and think it is best in the country. The neighbors all envy us. We sent a bottle of skimmed milk to the creamery and they said they couldn't find one particle of cream in it and said they didn't see how we could get it so clean and have such a high test of cream. Albert Snell, Augusta, Mich.

Boy Two Years Old Can Start It
We sure are well pleased with our Separator. It works just as well today as the first day, almost a year ago, that we bought it. Our little boy two years old, can start it and get it nearly to full speed. A good many who have turned our separator say it is the easiest running machine they ever turned.
Fred C. Peters, Dawson, Iowa

Saves Enough Each Month to Pay for Itself
We have given your machine a fair trial and find it very satisfactory. We feel that we are saving enough each month on this machine to pay for it.
David Roache & Son
Iron Mountain, Mich., R. Box 62

Could Not Make Skim Milk Show Butterfat
I think that I told you in my last letter that I would have the skim milk tested. I took a pint to the station where we sell cream and he tested it and could not find a trace of fat in it. He is also agent for the —— machine and he put in a double amount of skim milk and twice as much acid to try and get it to show up some fat, but could not make it. My cream is testing between 40 and 45 per cent.
Christ Prummer
Faulkton, S. D.

Remarkable Close Skimming
As I agreed to let you know as to the test of your separator, will say that the skimmed milk tested 1/100 of one per cent, and cream test was 44 per cent. Which is remarkable close skimming.
P. D. Lang, Ashland, Ohio

20c a Year to Run a Melotte —Report 51 Farmers

The first 51 Melottes, sold eight years ago, have averaged less than 20c a year for repairs. A booklet containing the 51 reports will be sent to you on request.

A few Rubber Rings the Only Repairs
I have used the Melotte Separator I bought from you eight years and have bought only a few rubber rings for bowl and one new receiving chamber rubber.
Willard Young, Collbran, Col.

In Use 8 Years and No Repairs
On an average, we have milked about ten cows every year for the last eight years, and the machine is as good as new.
Modest Martell, Beaverville, Ill.

Eight years in use, $1.50 for Repairs
In regard to the Melotte Separator which I purchased eight years ago, it is the best separator on the market to the best of my judgement and have been to the least expense for repairs which has not exceeded $1.50 in the eight years.
Mine is a six hundred pound capacity machine and it turns easier than a four hundred pound I owned before I bought the Melotte.
R. S. De Moss, Baldwin, Iowa

Spent $1.00 for Repairs Since 1913
I have used a Melotte Separator since 1913 and have not been out $1.00 for repairs and have nothing to complain about yet.
S. S. Gilbert, Lebanon, Kans.

Nine Years in Use, $1.00 for Repairs
The Separator I bought from you nearly nine years ago is still doing good work and I would not have any kind other than the Melotte. In the nine years, I have not had to spend $1.00 for extras.
A. B. C. Jensen, Yost, Utah



Caution! U. S. Bulletin 201 shows that vibration of the bowl causes *cream waste!* The Melotte bowl is *self-balancing.* Positively cannot get out of balance therefore cannot vibrate. Can't remix cream with milk.

$7.50 After 30 Days Free Trial

We will send an imported Belgium Melotte Cream Separator direct to your farm for a 30 days' Free Trial. *No Money Down—Small Monthly Payments—Duty Free.* Use it just as if it were your own machine. Test it in every possible way. Compare it with any other separator. The Melotte turns so easily that the bowl spins 25 minutes after you have stopped cranking it, unless the brake is applied. No other separator has or needs a brake. It is easy to keep clean and sanitary because it has only half as much tin-ware as other separators. After you have tried it for 30 days and you know absolutely that it is the separator you want to buy, pay $7.50 down and the balance in small monthly payments. The greatest offer ever made by any separator manufacturer.

Self Balancing Bowl

The wonderful Melotte (made in Belgium by Jules Melotte, the Edison of Europe) the winner of 264 Grand and International Prizes —the world's most perfect skimming separator—has this exclusive self-balancing bowl and single bowl bearing. Bowl hangs down and spins like a top. Always in balance. Easiest running separator made.

15 Year Guarantee

Every Melotte Cream Separator is sold under an iron-clad fifteen year guarantee —a guarantee written in plain English, so that everyone can understand it — a guarantee that is 100% stronger than any other separator guarantee ever made. Absolute protection to the purchaser.

Write

Mail coupon for catalog giving full description of this wonderful cream separator, and booklet containing reports from 51 Melotte owners. Do not buy any separator until you have found out all you can about the Melotte and heard the details of our 15-year guarantee. Don't wait—be sure to mail the coupon TODAY!

Melotte Separator, *H. B. Babson, U. S. Manager*
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2445 Prince Street, Berkeley, Cal.

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2843 West 19th Street, Dept. 9971 Chicago, Ill., 2445 Prince St., Berkeley, Cal.

Without cost to me or obligation in any way, please send me the Melotte catalog which tells the full story of this wonderful separator and M. Jules Melotte, its inventor, also 51 reports of American Farmers— owners of Melotte.

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