

Thirty-Two Pages

Price Five Cents

The FARMERS MAIL AND BREEZE

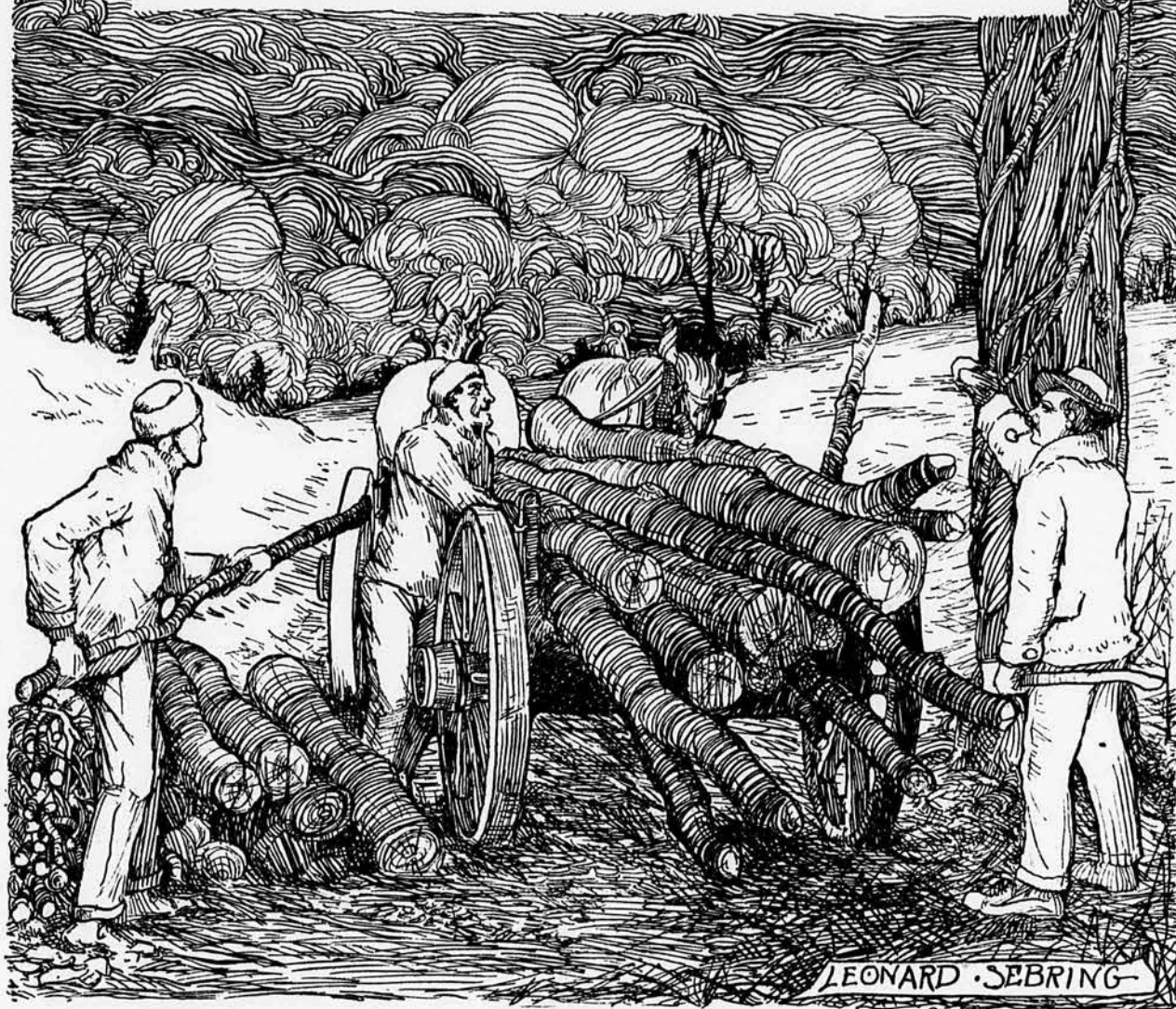
Vol. 45.

December 18, 1905

No. 51.

A-FORECAST

Soho! The breath of Winter's nigh,
And heavy snow-clouds ride the sky;
So heave her lively, Lads, I say,
For Winter's surely here to stay.



Will This Make Good?

Protect Our Good Name

GOODYEAR

Visitors to the Goodyear factories are always impressed with a framed sign which confronts them at every turn.

In every room in every Goodyear building, they encounter the same message: *Protect our good name.*

It hangs on the walls of all the Goodyear branches throughout the country, and is being adopted by tire dealers everywhere as an expression of the spirit in which their business is conducted.

We believe that the public will be interested in the analysis of this simple but striking sentiment which is published herewith.

The Goodyear Tire & Rubber Co., Akron, Ohio

H. D. Dribaling
President

STRIPPED to the waist, his huge torso streaming with sweat, a workman swings the heavy iron core to an iron table, and wrenches off a tire which has just come steaming from the heater.

His eye falls on the legend over his head, and he smiles.

Our good name is also his good name.

The two are intertwined.

He will protect the one, while he subserves the other.

His thoughts are—as they should be—chiefly of himself, of his little home, and of his family.

Their good name, his good name, our good name—his good work will stand guard over them all.

* * *

Two thousand miles away—in Seattle, we will say—the same thought, in the same simple words.

An irritating moment has arrived—the temptation to speak sharply to a customer, to fling a slur at unworthy competition.

The salesman, or the manager, or whosoever it may be, looks up, and the quiet admonition meets his eye.

Protect our good name.

In a twinkling it smooths the wrinkles out of his point of view.

He is himself again—a man with a responsibility which he could not escape if he would; and would not, if he could.

* * *

Back two thousand miles

again to the factories—this time to the experimental room.

An alluring chance to save—to make more profit by skimping, by substitution. No one will ever know. But—the silent monitor repeats its impressive admonition:

Protect our good name.

What chance to compromise with conscience in the presence of that vigilant guardian?

* * *

Thousands of men striving to keep a name clean.

And keeping their own names clean in the process.

* * *

We Americans, it is said, make a god out of business.

Let the slur stand.

Whether it be true or not—it is true that business is our very life.

Shall it be a reproach to us that we try to make business as good as business can be made?

* * *

Think of *this* business, please, in the light of its great animating thought: *"Protect our good name."*

We are thinking of you, always, when we say it—you American millions, and you other millions in the old world.

We think of you judging us, judging us—by what we are, by what we do, by what we make.

We think of tens of thousands of homes in which our name can be made to

stand for that which is worthy and worth while.

We must not lose your good will—we must not tarnish our good name.

* * *

You can call that anything you like.

You can call it business, or sentiment, or idealism, or nonsense.

It may be all of these.

It may even be that which our national critics call making a god of business.

But at least it gives to us a motive that is bigger and broader and deeper than money.

It makes thousands of men happier in their work and more faithful to it.

It has made of this business a democracy of united thought—a democracy of common endeavor—a democracy of purpose and principle.

* * *

And here is the oddest thing of all:—

The more we live up to this "impractical" ideal, the greater the business grows.

The more we labor for the future, the more we profit in the present.

The more we strive for character, the greater the reward in money.

The more we put into our product, the more we take out in sales.

Perhaps, after all, there is more than one sense in which it is good to make a god out of business.

We think so.

And we think you think so.

H. D. Dribaling, President
The Goodyear Tire & Rubber Co.



THE FARMERS MAIL AND BREEZE

An Agricultural and Family Journal for the People of the Great West



Volume 45
Number 51

TOPEKA, KANSAS, DECEMBER 18, 1915

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A Farmers' School

Boys and Girls are Educated Toward the
Land Not Away from It

By Vinton V. Detwiler

ONE OF THE best high schools in Kansas is managed by farmers, for farm children, and the course of study is arranged with the idea of being of practicable value to boys and girls who expect to live on the farm. I visited this school a few days before Thanksgiving this year, and what I could see in the one day I was there made me an enthusiastic advocate for township high schools. This school is in Sinclair township, Jewell county, Kansas. It is located at the edge of the little town of Lovewell, because that happens to be the center of the township. The school is only a little more than 2 years old, and this year there are 42 pupils enrolled. I got out and talked with as many persons as I could the day I was there, and everyone had a good word to say about the school. There may be someone in the township who is dissatisfied, usually there is, but I was unable to find him.

No one, least of all a busy farmer, has a great deal of respect for a cracker-box loafer. A great many Kansas farmers move to town every year, and degenerate into this sort of thing, so that their children may have the advantages of a high school. No one feels free to criticize such an action very much, because it is a fine thing to give children the best possible chance to get an education, but how much better it would be to have the high school out in the country. Other farmers send their children to town and pay their board for the school year, but it would be cheaper and better to have the high school in the country, so that the boys and girls could be at home every night. Boys and girls of that age should be under the influence and authority of their parents.

The Sinclair Township high school is one of the first to be started in Kansas. Now there are five or six successful schools of this kind in the state. The building is substantially built, and contains four large rooms. The cost was \$7,000. It was intended to start the high school in the fall of 1913. The building, however, was not completed until December. Will Baird was the principal that year, and he taught school in a church for the first four months. There were 13 pupils that year. Some of these students already had some high school work, and eight of them graduated from the four year course last year.

The most important part of the school is the man in charge. This is the second year that John S. McBride has been principal. He has built up the school with the idea of presenting practicable subjects in as interesting a way as possible. One of his ideas is to take the boys out to visit successful farmers. Livestock judging, grain judging, and good farming methods are studied on these trips. The boys from this school placed first in Jewell county in hog judging this year.

Manual training is taught in the school, and the boys make such useful things as wagon jacks, tool boxes, plate racks, magazine holders and cold

frames. They collect samples of woods that grow in the county, and identify them. They learn to use tools, and care for them properly.

There are five district schools in the township, and McBride gives an illustrated lecture at one of them almost every week. He gets good crowds out to the country schools for these stereopticon lectures, too. As soon as the lantern is paid for, these lectures will be free. At present a small charge is made. These evening entertainments keep the high school before the people of the township.

The high school is used to some extent as a community center, and McBride is making an effort to develop this idea. The building belongs to the farmers of the township, and it is the best possible place for them to hold meetings. A movable school from the Kansas State Agricultural college, for the men and women of the township, was held from November 29 to December 4 this year. The high school is the meeting place of the local farmers'

club work. In Jewell county this year there were clubs in corn, sorghums, pigs, poultry, tomatoes, gardening and canning, cooking, square rod gardening and sewing. Members of the Sinclair Township high school were entered in several of these clubs.

Contests were arranged for the Farm Home and School day, December 4, following the five days devoted to the movable school. Generous prizes were awarded. Ten boys and girls won trips to Manhattan, for Farmers' Institute week, the last of December. Cash and merchandise prizes also were given.

Many of the boys and girls did not know that they could sing, or that they cared much for music, before McBride insisted that there should be some musical training in the school. They bought a piano last year, gave two or three entertainments, and now it is almost paid for.

It is necessary to go rather slow in buying equipment for laboratory work. Quite a little can be done with very modest equipment, however. The boys bring samples of soil from their homes, and conduct tests on it. It is not difficult to find out how much moisture different kinds of soil will hold. Some soils will draw water up from below much more readily than others. In fact there are a number of mighty interesting experiments dealing with the action of water in soils, that can be performed with a limited equipment. Farm boys are delighted with such work. Their interest in farming is greatly increased by just such little things as this.

Insect pests come in for their share of study, too. Hessian flies were under observation this fall and winter. Volunteer wheat was badly infested, and the boys examined conditions in all the fields they could plan to visit.

Of course only part of the time is devoted to these interesting and practicable farm subjects. Mathematics, history, English, and such subjects come in for their share of the time. The fact remains, however, that this school educates boys and girls toward the farm, not away from it. The boy who gets interested in stock judging because of what

he learns in school, is likely to keep on studying stock until he is one of the best stockmen in the community. Possibly if he had not learned in school that farm life holds as many interesting problems as you care to solve, he might have gone off to the city and been a barber or a grocery clerk.

In no state do farmers take more interest in schools than in Kansas. A great many country high schools will be built in the next five years. Will your township have one? Talk it over, and vote for it.



The High School Building Cost the Farmers of Sinclair Township, Jewell County, \$7,000. There are 42 Students Enrolled this Year.

institute and is the voting place for the township.

McBride has one assistant, Miss Nora S. Dahl. Miss Dahl has a well equipped domestic science and sewing room. The girls of this school won first in the biscuit baking contest for the county last year, and this year they won a prize for serving the best meal to four persons for \$1. An up to date home canning outfit is one of the things added to the equipment this year.

McBride is a tireless worker in boys' and girls'



The Boys in the Sinclair Township High School Take a Keen Interest in Stock Judging of All Kinds. They Learn to See More in Farm Life than a Daily Grind of Hard Work.

DEPARTMENT EDITORS
 Field Editor.....F. B. Nichols
 Farm Doings.....Harley Hatch
 Mgr. Livestock Advertising.....Frank Howard

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SPECIAL TO ADVERTISERS.

Changes in advertisements or orders to discontinue advertisements must reach us not later than Saturday morning, one week in advance of the date of publication. We begin to make up the paper on Saturday. An ad cannot be stopped or changed after it is inserted in a page and the page has been electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.

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ARTHUR CAPPER, Publisher.

CHARLES DILLON, Managing Editor.

T. A. McNEAL, Editor.

A. L. NICHOLS, Associate Editor.

E. W. RANKIN, Advertising Manager.

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Women's Pages.....Mabel Graves
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 Poultry.....G. D. McCluskey

No liquor nor medical advertising accepted. By medical advertising is understood the offer of medicine for internal human use.

ADVERTISEMENTS GUARANTEED

WE GUARANTEE that every advertiser in this issue is reliable. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue, that it is reported to us promptly, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "I saw your advertisement in the Farmers Mail and Breeze."

Passing Comment--By T. A. McNeal

Travelers' Rest Room

The town of Delavan is not much of a town so far as population goes. The fact is that its leading business men make the modest claim that the town has a present population of only 100. It is 7 miles east of Herington on the Missouri Pacific and the old Santa Fe trail. But just the same the little town of Delavan is known in nearly every state in the Union and what is best about this notoriety is that it is favorably known.

It all came about this way: The old Santa Fe trail is the best known and perhaps the best kept transcontinental highway running through Kansas. Last summer was the high water mark for transcontinental travel. Literally tens of thousands of persons made the trip in automobiles to the Pacific coast. They started from everywhere in the eastern and middle states but most of them crossed the state of Kansas in their journey. Not all of them traveled on the old trail road but a large per cent of them did. Last summer was about the worst season for automobile traveling through the central states that has ever been since the automobile was invented.

Then the thought came to some enterprising and kindhearted citizen of the little town of Delavan that it would be a great boon to the weary and mud-spattered tourists if they had some place to stop, put up their machines and wait for the skies to clear. All the citizens of Delavan with whom I talked are too modest to claim the credit for originating this idea but some of them say that Mr. Ray is entitled to a good share of the credit. Mr. Ray is a good roads enthusiast. Most of the time when he is not busy with his regular business he is talking good roads.

But if Mr. Ray is entitled to the credit for suggesting this free resting place the other business men of the little town are entitled to their share of the credit for helping to put it into execution. So these business men of this little town chipped in and built a substantial house perhaps 16 by 32 feet in size. This of course, is a guess, as I did not measure the building or think to ask for exact information.

At any rate, there is a comfortable room at one end fitted up with a desk, telephone, table, sanitary couch and small oil burner cook stove. At the other end is a garage room with cement floor large enough to house two large automobiles. On top of the building is a large sign board on which the following words are painted in letters large enough to be read at a good distance: "Delavan Free Camp House for Old Santa Fe Trail Tourists."

It so happens that this is the only camp house of this kind so far as is known, between the oceans. It is built just beside the trail and at the intersection of it and the road leading up to the town of Delavan. Here the tourists are free to stop, put their machines in the garage, use the desk and table for letter writing and spreading their lunches upon. They also have the privilege of using the stove to boil their coffee or tea. There is also a small oven in which they may bake biscuits if they wish.

Here during the summer more than a thousand automobiles stopped, some for an hour or two, some putting up for a night, and in at least one case a party of tourists stayed for three days during a long-continued rain.

A book is provided in which the tourists can register. The Daily Capital comes every day to the table in the rest house so that the tourists can get the news while they rest. This register is one of the most interesting records I ever saw.

Those who registered came, as I have said, from nearly every state in the Union and a good many of them have taken the trouble to express their appreciation for the free accommodations supplied by the people of this little town. All these persons declare they have found nothing like it anywhere else on their travels. I will also venture the assertion that wherever they live they are talking about it yet. In each of 35 or 40 states somebody has a kindly memory for the little town of Delavan, on the old Santa Fe trail.

Southwestern Kansas

If you have tears to shed you needn't waste them on southwest Kansas this year. That section of the state is not calling for tears. I believe it is no exaggeration to say that it is the most prosperous

part of Kansas. I stopped over night at the new town of Montezuma in the southern part of Gray county.

A good many years ago a man by the name of Soule decided to spend some money in western Kansas. Soule was reputed to be a millionaire with money to burn and the western Kansas boomers were entirely willing to assist at the conflagration.

The first big project undertaken by Soule was the digging of a great irrigation ditch out in the vicinity of Dodge City. The only thing that ditch lacked of being a successful irrigating ditch was water. Otherwise it was all right. However, Soule was not so much of a sucker as he seemed. As a matter of fact, instead of putting his own hard-earned millions into it, he bonded the ditch for several millions and sold the bonds to persons in the East who had more money than sense. They still have the bonds.

Soule also decided to build a college or university out at Dodge. A stately building north of the townsite of Dodge still may be seen. It was erected as the first of the group of buildings of the university which was to be, but never was.

Soule was also persuaded to build a railroad southwest from Dodge City to develop the great Southwest. The road was constructed for about 30 miles and at the terminus was located the town of Montezuma. That was a high sounding name. It called up visions of a once magnificent but now destroyed civilization; when in the marble pillared walls of the palace of the Montezumas, the Aztec emperors ruled in gorgeous state and plenitude of power.

At first the new town of Montezuma flourished like a green bay tree. It had a newspaper and a commercial club and all the other accompaniments of a country metropolis but hot winds and drouths came. The real estate agents folded their tents like the Arabs and stole away. Some of them also stole before they went away. After a while the trains ceased to run on the railroad. Finally the rails and ties were taken up and hauled away and all that was left of the railroad was the right of way.

The town of Montezuma faded along with the railroad until the last house was gone and the town of Montezuma was numbered with the dead. Years rolled on until finally the Santa Fe railroad decided to build a line down to the southwest corner of the state. This line followed closely the old line built in the '80s which terminated at the town of Montezuma. The old townsite is now a cattle pasture but a mile or two away a new town was laid out and that is the Montezuma of today.

I do not know the name of the man who platted the new town but he has been the exciting cause of a great deal of fervent profanity. He seems to have conceived the idea of laying out a town after the similitude of a crazy quilt. The streets run catawampus neither north and south nor east and west. As a result, on some streets the houses face one way and on other streets which ought to be parallel they face another way.

However, the new town of Montezuma is flourishing in spite of the idiosyncrasies of its founder. It has two grain elevators both doing a rushing business. Already this season they have shipped out 175 cars of wheat and a car of wheat I am told now means about 1500 bushels. In other words more than a quarter of a million bushels of golden wheat has been shipped out of the little, new town of Montezuma this season. That means a good deal of ready cash to scatter about in one community. Some of the wheat in the vicinity of Montezuma yielded 35 bushels to the acre. Besides the wheat the farmers near Montezuma raised a magnificent crop of kafir and feterita. They have not begun to ship this seed crop out to any extent.

Two years ago land in the vicinity of Montezuma sold for \$10 an acre or less, now you can't buy it for less than \$25 or \$30. That looks high but within a year it will sell for \$40.

There are two lumber yards in the town selling an average of two cars of lumber a week. The town has just built a four room brick school building and sold the old school building to the Methodist brethren for a church. The leader in building up both the church and school by the way, is a former Topeka man, Hon. F. J. Davis, who twice represented Gray county in the legislature. Mr. Davis after making a success as a farmer down in that section of country sold his farm and decided to devote the

rest of his life to the ministry. He has organized a congregation at Montezuma and looks after an outside charge or two.

Near Montezuma there are several prosperous colored farmers and I was told that they are among the most respected farmers in that locality and also among the most prosperous—which proves what I always have contended, that with fair opportunity a large proportion of colored men will make good.

They're Prosperous

Barring the localities which were hit by hail storms last summer, western Kansas seems to be enjoying unusual prosperity. Land prices are going up and one hears mighty little grumbling.

Here however, is a somewhat peculiar condition which at first might seem to contradict the statement that there is a large degree of prosperity in this part of the state. In some of the small towns I have visited I found that the merchants are complaining that collections are very slow, even slower than they were in the dry, lean years of 1911 and 1913.

Some of the bankers also tell me that deposits are running down and it is hard to supply all the money the demand calls for. The bankers have had to rediscount a good deal of paper in order to get funds and have run their reserves down to the lowest point consistent with safety.

The merchants also complain that they are having trouble to meet their own bills because their best customers do not square up accounts. However, the reason for this is because practically all the farmers in the western part of the state, more especially in the central part of the western third, are holding their grain for better prices. They say to the merchant: "We have the stuff, you know that, but wheat is going up and we want to wait for the raise."

That sort of talk doesn't pay the merchant's bills, but what is he going to do about it? If he presses collections he drives his customers away and there are too many of them patronizing mail order houses now. So he has to look pleasant and stand off his creditors somehow until his farmer customers sell their wheat. Furthermore, the facts seem to justify the farmers in holding their wheat. The price of wheat jumps 3 cents in one day and the dollar a bushel is just in sight. You can't blame the farmer for hanging onto his wheat.

Good Corn This Year

I never have regarded western Kansas as a corn country and don't now, but this happens to have been one of the years when the western Kansas farmers who planted corn were in luck.

This is written from Ness county. The bottom lands in this county, which were planted in corn this year made a yield of from 50 to 70 bushels to the acre and it is cracking good corn, too. That fact, however, ought not to make western Kansas farmers foolish about corn. I have watched western Kansas for 30 years and know that corn will be either mighty poor or an entire failure four years out of five. This year was one of the few when corn was a success.

A State Hail Fund

This has been the worst year for hail in the history of the state. The loss in some of these western counties has been enormous and the worst of it is that a great many of the farmers who thought they were protected by insurance discovered that they were not, after they had lost their crops.

The trouble was that a number of local mutual hail insurance companies started and wrote insurance that hadn't much of anything back of it and when the losses came there wasn't much in the treasury of the company to pay losses with.

If our Constitution would permit, a state hail insurance fund could be built up with very little cost to the wheat raisers. I have not the figures at hand so that I can speak from the book but my recollection is that there were over 9 million acres in wheat. A special tax on all the wheat sowed in the state last year of 5 cents an acre would produce a fund of \$450,000. I do not know the entire number of acres of wheat destroyed by hail but I apprehend that even in this, the worst sea-

son the state ever had, the total number of acres would not exceed 45,000. A fund of \$450,000 would pay \$10 an acre for 45,000 acres.

Of course all the wheat fields hit by the hail were not totally destroyed. In some cases half the crop was destroyed and in other cases less than that. A fund of \$450,000 would therefore pay the losses on a good many more than 45,000 acres.

Would any wheat raiser object to paying a special tax of 5 cents an acre if he could be satisfied that in case his wheat was destroyed by hail he would draw from the state treasury \$10 an acre in case of a total loss and \$5 an acre if half of his crop was destroyed? I think not. The difficulty in the way of this plan is that it probably could not be carried out under our present Constitution.

Really the state of Kansas ought either to have a brand new Constitution or the present Constitution ought to be amended so that the state could be of more service to the people.

The Missouri Pacific

I have been traveling for a few days along the line of the Missouri Pacific and while there are a good many heartless jeers and jibes cast at the Missouri Pacific I must say that the main line of that road gives pretty good service.

Of course the track isn't equal to the tracks of the Atchison, Topeka and Santa Fe or the Union Pacific but the trains run pretty nearly on time and, as "Muskogee Red" once remarked to me about the Kansas jails, they are good enough. "Red" gave it as his mature opinion after having lodged at various times in practically all of the Kansas jails, that any man who wasn't satisfied with a Kansas jail should keep out of the state.

The Missouri Pacific also employs the finest looking conductor I have seen on any line in the state. His name, I think, is Beer. That name may not sound very good to a Kansas man but Conductor Beer is only bibulous in name. I think he is a very temperate man in fact. He is, I would say, roughly speaking, about 6 feet, 4 inches tall, and built like a Norman horse or a Clydesdale. I never saw a better built man. I should guess his weight to be about 240 pounds.

They tell a story about Conductor Beer, who is a good natured giant, but at the same time, rather a dangerous person to aggravate. One day he was conducting an excursion train to Pueblo. A party of young men got on at Hoisington, or some other Kansas station. They had been looking on bootlegger whiskey when it was red and also sampling it. They were noisy and using language not fitted to polite society. One of the crowd was especially demonstrative.

Conductor Beer came to him and remonstrated quietly. He called the attention of the passenger to the fact that there were women on board, who did not like to hear that kind of language, and requested the passenger to subside. The passenger resented the gentle admonition. He had paid for his ride and would talk as much as he pleased.

"I would advise you to pay attention to what I say," continued Beer with deadly quietude. "I am hired to run this train and keep order. You will have to obey the rules."

The passenger replied with a whoop and an oath. Then something happened. The big conductor's arm drew back. Then a fist nearly as big as a small packing house ham hit the bibulous passenger on the jaw. He suddenly went to sleep. He took the count and then several more counts. In fact it was a half hour before he recovered full consciousness. But he "whooped" no more. During the remainder of the journey he would have made Mary's little lamb seem by comparison like a raging lion. The other youths in the party also took the hint. They were quiet, too.

The Kansas Climate

This is a bully time to visit western Kansas. Just now the wind is taking a rest and the air is as exhilarating as good wine. At this time of year my opinion is that no place in the world is better for the "lunger" than western Kansas.

I saw a man yesterday who came out here about 30 years ago for his health. The doctor said he might possibly live a year or two if he would go out to western Kansas or Colorado. He is living yet and looks as if he might live 30 years longer.

This country is really lovely when the wind doesn't blow. I have even heard enthusiastic boomers declare that they had got used to the wind. I think they were liars. Nobody gets used to the wind.

Three Cents a Mile

I have just had a ride over the entire length of a railroad I believe is one of two in Kansas which by special permission of the utilities commission collects fare at the rate of 3 cents a mile.

The Colorado, Kansas and Oklahoma line extends from the town of Scott City at the southern end to the town of Winona at the northern terminus. It is 50½ miles long, I gather from the fact that I had to dig up \$1.52 for the privilege of riding on it from one end to the other.

This line was built as an independent venture by the same man who constructed the line from Garden City to Scott City. That line was sold at a profit

to the Atchison, Topeka and Santa Fe. Encouraged by his luck the builder started to build another line north, with the somewhat pretentious title of "The Colorado, Kansas and Oklahoma." I believe he took in a partner in the venture and with the financial backing of a St. Louis Trust company, built 51 miles of road connecting Scott City with Winona.

Then came the dry year of 1913 when there wasn't much to haul out in western Kansas and no other railroad company was found anxious or even willing to take the road off the hands of the builders. So it went through a receivership, which, judging from other receiverships in Kansas, must have been an expensive proceeding and was taken over by the St. Louis Trust company.

It can scarcely be said that the Colorado, Kansas and Oklahoma is flourishing like a green bay tree. It is rather flourishing like a stunted cottonwood on a high prairie although times have changed this year and last in western Kansas and there is more stuff to haul than there was in 1913.

The day I went over the line I was the only paying passenger from Scott City to Russell Springs. There was another man on the train. He was the local or general attorney for the road and traveled on a pass. It was the only time in my life when I occupied the position of being the entire financial support for the passenger department of an entire railroad system. It was considerable of a responsibility to pile on one bald headed man but I humped my back and bore it.

The equipment of the Colorado, Kansas and Oklahoma consists of one somewhat antiquated and asthmatic engine and one passenger coach. The engine also pulls what freight is shipped over the road. As there is no danger of head on or rear end collisions unless some ambitious bovine of the male variety should conclude to dispute the right of the engine to the track or some cow should conclude to stroll in at the rear end and bite a passenger, the train goes about as it pleases. At that it makes as good time as the Missouri Pacific from Topeka to Fort Scott.

The Millet King

The town of Winona has added another member to the royalty of the world. We have had wheat kings and apple kings and cattle kings and alfalfa kings in Kansas but it remained for Winona to supply the millet seed king of the world.

Last year L. A. Jordan, a grain buyer of Winona, made a deal with the owner of some land lying near the town to break it and put it in wheat. Jordan was to have the proceeds of the summer crop preceding the wheat crop, for breaking the land.

He decided to try millet on 230 acres of the ground. The result astonished everybody else in the community and nobody more than Jordan himself. That millet threshed out 35 bushels of seed to the acre, making a total crop of 8,050 bushels. Mr. Jordan says that if he could have saved all the seed that grew on the 230 acres he would have had another thousand bushels. That much of the seed was lost in harvesting and threshing. His crop will fill nearly 20 cars and will net him more than 50 cents a bushel.

A Chicago seed paper says that this crop probably makes Mr. Jordan the largest producer of millet seed in the world. In addition to the seed crop Mr. Jordan has enough bright millet straw to winter a large herd of cattle.

The owner of the land during his leisure moments kicks himself with earnest violence for having permitted his renter to clean up more than \$4,000 in cash while he, the landowner got nothing. However, it was a fair bargain.

It might be said that only the lack of teams and plows to prepare the ground prevented Mr. Jordan from having in 300 more acres of millet.

The President's Message

President Wilson is perhaps as scholarly a man as ever occupied the office of Chief Executive of this nation. It may be that he is the most scholarly. He also has a peculiar facility in framing sentences. Few men can turn phrases as well as President Wilson.

In a way, the last message of the President to Congress comes up to his usual standard so far as the elegance of the language is concerned. But it seems to me that the American citizen who reads the message delivered last week to Congress must feel considerably disappointed. Somehow or other it lacks consistency, logic and clearness.

I have not been able to agree with Theodore Roosevelt for sometime. I do not agree with him now. His preachments about war disgust me. But I must say that I agree in part with Roosevelt's criticism of President Wilson's message. Roosevelt says that he has not been able to tell from reading the message what the President means. If a man of the acute mind of Roosevelt cannot tell what the President means it is not to be wondered at that a man like myself cannot tell.

It may be an ungracious thing to say about the President of the United States but I cannot read that message without a feeling that the President was trying to write so as to satisfy the war jingoes and at the same time please the advocates of peace and opponents of war preparation.

What does he mean by advocating in one sentence a large increase in the regular army and in the navy and also the organization of a reserve citizen army of 400,000 and in another sentence de-

claring that we will not have an army larger than is necessary for purposes of peace?

It seems to me that such language is neither frank nor clear in meaning. If we are to have an army, part regular and part reserve of 600,000 it is for purposes of war and not for purposes of peace. As a matter of fact, the only excuse for maintaining an army or navy at all is for war purposes. If we were assured of peace there would be no need of any army or navy.

Part of the message reads as if the President wants to be ready to take the part of other nations when they have been unjustly attacked but other parts read as if he considered it our duty to keep strictly aloof from other people's troubles. In short, that message reads as if it had been prepared carefully so that every man could get out of it what might suit him.

There is a clear cut issue here. We must either continue to be opposed to military preparation in the way of great armaments or we must take the other road which leads to the militarism found in Europe.

If President Wilson's argument that the citizens of this country should be trained in military matters so that they may be able to defend themselves then his plan for a citizen army of 400,000 is far from sufficient. The logic of his argument is compulsory military service. Why train only 400,000 when every able bodied citizen should be trained so that he may be immediately available for military duty?

Most of President Wilson's messages seem to me to have been strong. This one reads to me like "sounding brass and tinkling cymbals." It is full of fine phrases which appear to mean little and which in many cases are inconsistent one with another. It does not have the ring of sincerity such as previous messages have had. It reads like the message of a candidate who is bidding for the support of both sides. As a result he is likely to lose the confidence of both.

Seeing Red

When Secretary of War Garrison, was appointed to that place there was a general impression that he was of Quaker origin and opposed to war. At the present time however, and of course barring Roosevelt, Secretary Garrison seems to be seeing red worse than almost any other public man. He seems to have become obsessed with the notion that some nation or maybe a combination of nations is preparing to attack us in the near future and therefore we must arm ourselves at once. We need, he says, an army for defense of at least 600,000 men and if we don't get 'em right away we will have to resort to conscription.

If Secretary Garrison is correct in his first proposition that we are in imminent danger of attack then compulsory military service is the thing. If we are in such dire danger as Garrison would have us believe then compulsory military service is the thing. If the citizens, as he says should be prepared to defend the country at a moment's notice then all the citizens should be so prepared. It is manifestly unjust that four-fifths of the able bodied men should be prepared. It is manifestly unjust that four-fifths of the people of military age should stay at home while one-fifth does the fighting and preparing to fight.

Garrison apparently has come under the hypnotic spell of the army clique that sort of dominates Washington society. Evidently also, the munition makers have gotten next to his starboard ear and poured their military folly into the recesses of his brain.

From a Mormon

Editor The Farmers Mail and Breeze—Can you furnish me with information on the following points?

1. What is the Mormon church capitalized for?
2. In what are the Mormon church's funds invested and what do the dividends amount to each year?

3. Why does not the church make public for the benefit of the members how much the church is worth as an organization, and how much the church officials receive for their services? The money paid in for tithes in 1914 was \$1,887,920.

I want to know, as a member of said church, about the investments and dividends. How much does it take to pay the president and higher-ups in the church? If you can furnish this information I would thank you. If you cannot give me the desired information please publish my letter and maybe someone else can. My husband was desirous of knowing about the church's condition and wrote to the mission office. As a result he is out of the church. They said his letter indicated the spirit of the adversary.

Springfield, Mo. B. V. L.
If anyone can give the information desired, send it to the Farmers Mail and Breeze. I do not know where the facts can be obtained.

Has Right to Will Half

Editor The Farmers Mail and Breeze—If a man and wife have no children can the man will half of his property to some relative in the old country? If the wife dies first can he keep all the estate or will her heirs get her share?

SUBSCRIBER.
1. Yes.
2. Under our law the interest of the wife in her husband's estate is what is called an inchoate interest—that is, it does not ripen until after the death of the husband; therefore in case of her death without children before the death of her husband the whole estate would become his to do with as he pleased.

All Crops Need Water

Where Good Returns Were Obtained by Pumping the Underflow

By F. B. NICHOLS, Field Editor



Black Hulled White Kafir on the Garden City Station in 1915; This Variety is Giving Excellent Results in Southwestern Kansas.

A SPECIAL effort is being made on the Garden City Experiment station with the crops work. A great deal of attention is being given both to the dry land and to irrigation farming, with the idea of getting the relative costs and profits for the best methods under both conditions. The results have indicated to M. C. Sewell, the superintendent, that good crops can be produced under dry land conditions, and also that the pumping of water on rather high lifts will pay.

The work in dry land farming, which has included varieties of all of the common crops, has indicated forcefully the importance of getting varieties well adapted to that section. It does not pay to try to make crops drouth resistant—the best plan is to get good varieties at the start. Especially good results have been obtained on the Garden City station with the Black Amber and Red Amber sorghums, Black Hulled White Kafir, Sudan grass, Dwarf milo and feterita.

In dry land farming, after drouth resistant varieties are obtained it is important that the weeds should be killed and that the soil should be kept in a good condition to catch the rainfall. Cultivation after these ends have been obtained as a rule does not pay. A feature of the work on the Garden City station has indicated forcefully the great importance of good cultivation before the crop is planted—one of the best kafir fields on the farm in 1915 was cultivated three times before planting and but once after this. The results indicate the supreme importance of eliminating the weeds, which do a great deal most years to reduce the yields on many of the dry land fields of the western part of the state.

While a good profit has been obtained from the dry land work the best returns were from irrigation. Some very fundamental work in irrigation on the high lifts has been done at this station, which indicates the results which can be expected on the high lifts on other farms. The Garden City Sugar and Land company, by the way, has 12 deep wells not far from the station farm, and according to F. A. Gillespie, the secretary, more deep wells will be sunk. The well on the station farm is 176 feet deep, and the draw down after the pump is started is 130 feet. In 1914 the cost an acre foot of the water used on this station was \$5.56—but little irrigation was required in 1915. But \$2.35 of this was for fuel and oil—an excessive repair bill for this year run the costs up. It is believed that the average cost will not be more than \$5 an acre foot.

The investment in the pumping outfit at the station is \$6,225, and the interest on this amount at 6 per cent is

\$373.50. Of the total investment, \$2,470 is the cost of the engine and pump, and a 10 per cent depreciation charge on this amounts to \$247. This makes an overhead charge of \$620.50. According to Mr. Sewell, a plant of this kind, which discharges 760 gallons a minute, should be able to irrigate 125 to 150 acres, although that much land has not been covered so far. A plant must be run to its maximum capacity if the overhead charges are to be kept down to the lowest point of course, and this must be considered when a man installs a plant of his own. If the overhead charges are figured on a basis of 125 acres it makes an acre charge of \$4.96, or practically \$5 an acre.

In making a comparison of the profits in the dry land and irrigation work the costs were figured on the basis of \$5 an acre foot for operating and \$5 an acre for overhead cost. This certainly is high, and it makes a much heavier charge than is required on most farms on the high lifts, and of course far in excess of the costs on the lower lifts. The comparison of costs was on the 1914 season; in telling of this recently Mr. Sewell said:

"We had but 10 inches of rainfall during the year. In computing the costs of production, a fixed wage of \$2 a day for a man and \$1 a day for a horse was used. To this was added all costs, such as seed, taxes and interest on the investment in the land at 8 per cent on a valuation of \$20 an acre. The price of the crops is figured in the shocks, and it is taken on a basis of 70 cents a bushel

for wheat, 30 cents for oats, and 40 cents for milo and kafir."

The wheat grown under dry land conditions produced a yield of 11.4 bushels, which had a value of \$7.98. The production cost was \$6.58, which left a profit of \$1.40. The wheat which received 12 inches of water gave a yield of 32 bushels, which had a value of \$22.40. The production cost was \$17.28, which gave a net profit of \$5.12.

The oats produced 13.1 bushels under dry land conditions, which had a net value of \$3.93. It cost \$6.31 to produce them, which gave a loss of \$2.38. The oats which received 12 inches of water produced a yield of 55 bushels, which had a value of \$16.50. It cost \$17.01 to produce them, which gave a net loss of 51 cents.

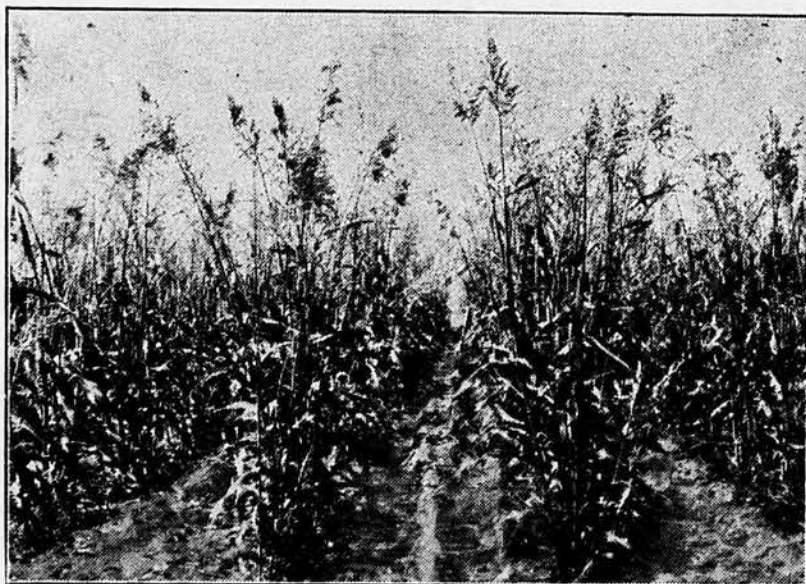
The milo grown under dry land conditions produced 11.6 bushels of grain and 1,930 pounds of stover, which had a value of \$8.64. It cost \$7.50 to produce it, which left a profit of \$1.14. The milo which received 12 inches of water produced 41 bushels of grain and 6,600 pounds of stover, which was worth \$29.60. It cost \$13.20 to produce it, which gave a net profit of \$16.40.

Kafir grown under dry land conditions produced 7.2 bushels of grain and 3,340 pounds of stover, worth \$10.13. The production cost was \$7.50, which gave a net return of \$2.63. The yield where 12 inches of water was applied was 40 bushels of grain and 6,600 pounds of stover, which was worth \$29.20. The production cost was \$13.20, and the profit was \$16.

Sugar beets were not grown, but it is easy to determine the results on the basis of 18 inches of water, which is an average amount, on the costs which have been given. The cost of the 18 inches on the basis of \$5 an acre foot is \$7.50, and the addition of the overhead makes this cost \$12.50. The average cost of producing an acre of beets according to the books of the Garden City Sugar and Land company is \$33.88, which makes a total acre cost of \$46.38. The average yield of the fields farmed by the company is 14 tons, but the average for the district is but 11 tons. Basing the estimate on a yield of 11 tons, the beets at \$5.50 a ton, which is the price this year, would be worth \$61.50. In addition the tops are worth from \$3 to \$5 an acre; if \$3 is taken this brings up the total value to \$64.50. If the production cost of \$46.38 is deducted from this it leaves a net acre profit of \$18.12.

Luten and His Patents

Daniel B. Luten and his many patents on concrete bridges got a jolt in Colorado recently. Weld county and George Washburn were sued for infringing on these patents in building a con-



Freed Sorghum Last Fall on the Garden City Station. The Work With the Sorghums Has Been Featured Very Extensively on This Farm.

crete bridge. The decision handed down by Robert E. Lewis, the district judge, said in giving the history of the case:

Weld county through its co-defendant, Washburn, constructed a reinforced concrete bridge having one span of about 30 feet across what is known as Sheep draw on one of the public highways within that county; and thereafter the complainant brought his bill in which he alleges that the defendants in so doing had been guilty of infringement of each of seven patents theretofore issued to him.

The answer pleads the general issue as to each patent, it also denies invention as to each patent; denies that complainant was the original and first inventor as to each; and sets up anticipation in other patents and also description in named printed publications more than two years prior to complainant's several applications, and that each includes and covers matters of public and common knowledge and in public use for more than two years prior to the applications and more than two years prior to the supposed discovery by complainant. The answer also specifically denies infringement.

After reviewing the case and the history of the patents at considerable length, Judge Lewis says:

On consideration of prior patents and publications introduced by the defendants to meet the separate and several claims I am unable to rid myself of the firm belief and conclusion that each and all of the complainant's claims were non-patentable at the time he made his several applications, and also at the two times prior to applications when he claims he first, within two years prior to such applications, made practical use of the claimed inventions in those two instances. The prior patents as anticipations and the prior patents and publications as showing the then state of the art lead to the clear conviction that complainant in each instance only then made application of mere mechanical knowledge and skill, and that what he did is in no sense a demonstration of inventive genius. This is also the opinion of the defendants' expert witness.

The complainant as a witness disclaimed that his patents or any of them, embodied anything beyond or more than placing the steel in a new way that produces better results in a more efficient form. Now in a concrete bridge the greatest efficiency is always secured by resisting tension or pull with steel rods. That has been established for half a century; not perhaps with curved tension members, but the basic idea is very old. There is no question about that.

I see nothing more than mechanical skill in tying the wings and abutments together, the circular knee-brace, in the outer girder with a reinforcing member binding it to the adjacent abutment and girder and in carrying the transverse member in the roadway into the outer side of the upper spandrel or girder and upward and over the longitudinal reinforcing member in that girder. In view of the Colnet letters and of the prior state of the art as evidenced by his patent, and the publications introduced as above noted, he made specific claim to a "Metallic frame-work linked or arranged so as to strengthen the same."

The views above expressed make it unnecessary to consider the defense of non-infringement of some of the claims. It is ordered that the bill be dismissed at complainant's costs.

November Had Good Weather

November was the third warmest month of that name in the 57-year history of the Kansas State Agricultural college weather record, according to a summary of weather conditions issued by J. O. Hamilton, professor of physics. The mean temperature for the month was 48.1 degrees, or 6.1 degrees above normal.

Weather in the three fall months—September, October, and November—was unusually warm and pleasant, the report says. The average temperature was 58.45 degrees, which is 2.7 degrees in excess of the normal fall temperature for this station.

November rainfall measured .93 of an inch or .41 below the normal precipitation for the month. There was a trace of snow. The total rainfall for the year to December 1 was 49.81 inches, the largest on record. The nearest approach to this amount was 45.78 inches in 1876.

The highest temperature in November was 85 degrees on the sixth; the lowest was 18 on the thirtieth. The record high temperature for November is 96 degrees. This occurred November 2, 1869. The lowest point reached by the temperature in November in the last 57 years—9 degrees below zero—was reported November 27, 1887.

Kansas State Officers

Please publish the names of state officers of Kansas in your next issue.
Hepler, Kans. A Reader.

Governor, Arthur Capper; lieutenant governor, W. Y. Morgan; secretary of state, J. T. Botkin; state auditor, W. E. Davis; treasurer, Earl Akers; attorney general, S. M. Brewster; superintendent of public instruction, W. D. Ross; superintendent of insurance, C. J. Wilson; state printer, W. R. Smith; board of irrigation, Dan B. Dyer, B. P. Walker, George E. Ward; supreme court, chief justice, W. A. Johnston; justices, Rousseau A. Burch, Henry F. Mason, John S. Dawson, Silas Porter, J. S. West.

Meat at a Lower Cost

Better Breeding Will Help in Increasing the Profits in Livestock Production

BY C. F. CURTIS

THE average annual meat consumption in the United States is 80 pounds of beef, 7.5 pounds of veal, 6.5 pounds of mutton, and 78 pounds of lard. This is a total of 172 pounds annually, against 119 for Great Britain, 113 for Germany, and 80 for France. In addition to this we consume an average of 17.5 pounds of butter, 3.8 pounds of cheese, 17 pounds of ice cream, 1.5 pounds of oleomargarine, and about 475 pounds of milk.

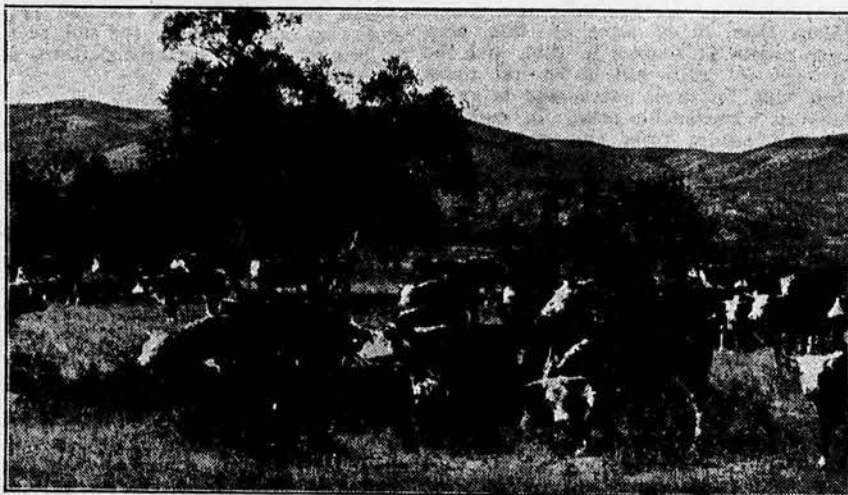
The meat and dairy products of domestic animals may not constitute the most economical form of food for man, but they seem to be regarded as indispensable to the highest achievement and the best type of civilization. The meat eating races are the dominant nations of the world.

There would also be difficulty in utilizing as human food many products of the farm, field, and plain if it were not for the transforming power of the meat and milk producing animals; to say nothing of the service rendered by the domestic animals in clothing the human race. It is stated in the Holy Writ that "all flesh is grass," but if grass could not be converted into flesh it might not serve as a very palatable form of human diet without creating a disproportion of the supply of breakfast foods.

The United States Department of Agriculture estimates that the annual meat bill of the United States is nearly 2½ billion dollars, and the daily milk bill is conservatively estimated at 1¼ million dollars. The meat slaughtering industry, not including the small local plants, is the largest single industry in the United States. It is important therefore that every improvement in methods of production or utilization of a product that constitutes so large a part of the nation's daily food bill should have careful consideration.

There has been a marked decrease in the number of beef cattle in the United States since 1900, until within the past year, when there was a slight increase. The fact that the beef cattle supply decreased 30 per cent, from 1900 to 1913, while the population of the United States increased 25 per cent during the same period, would tend toward higher priced meat products in the future; and just now an increasingly large proportion of meat products is being exported on account of the demands created by the European war.

Improvement of livestock and the conditions for livestock production has a vital relation to the nation's food supply. The average dairy cow produces only 150 to 160 pounds of butter a year. Many of the best practical herds have records of from 400 to 500 pounds a cow annually, and there are hundreds of cows that under intensive feeding will approximate 1,000 pounds annually, while a few



More Cattle in Kansas Will Increase the Returns in Farming Quite Materially, and Also Aid in Conserving Soil Fertility.

have gone as high as 1,200 pounds. Fortunately the capability of improvement is inherent in all animal life. The dairy husbandry section of the Iowa Agricultural Experiment station has taken native cows from the Ozark Hills of Arkansas, representing as near the unregenerate type as it was possible to get, and in an investigation extending over a series of years it is shown that even these cows were capable of producing 163.6 pounds of butterfat the first year under favorable conditions and good feeding.

When mated with purebred sires of the dairy breeds the heifers increase their production 25.5 per cent over the records of their dams in the first generation. The native cows, when bred to native sires, produced heifers that, reared under favorable conditions, increased the yield 10 per cent over that of their dams, and in one case the same cow when bred to a purebred sire produced a heifer that increased the production 37 per cent in the first generation. Two of these native cows that have now been under investigation for four years have shown the following increased production from year to year: Second year 25 per cent, third year 53 per cent, fourth year 63 per cent. It is significant and highly encouraging that animals without any improved blood will respond so readily to improved conditions and show such marked increase in yield of food products, and that by improving both environment and blood, the increase in production is even much greater.

It has been clearly demonstrated by similar investigations that a corresponding improvement may be made in the meat producing capacity of cattle. Twen-

ty-five years ago John D. Gillette, who was recognized as the most successful beef producer of his time, gave figures showing that it was profitable to produce a steer on an Illinois farm, weighing 2,200 pounds at 36 months of age and valued at 7 cents a pound on foot. The same method of production on that farm today would be so unprofitable as to be fatal to the meat producing industry.

Under existing conditions on similar but higher priced land, and higher priced feeds, steers of improved breeding must be finished for market weighing 800 to 1,200 pounds at from 12 to 20 months of age, and sold at from 8 to 10 cents a pound in order to be produced at a profit. Two hundred head of steers of this type were produced recently on a western farm and marketed at 13 months of age at an average weight of 845 pounds, at a cost of \$7.03 a hundred pounds, while to produce beef of the same quality under the same conditions from steers a year older weighing 1,400 pounds a head would increase the cost of beef to 9 or 10 cents a pound on foot at the farm. The latter method is most commonly pursued. Improvement must come in the use of better bred stock that may be finished for market at the earlier age and at the lower cost of production.

It is a well established principle that digestion is more complete, and the conversion of feeds into meat is more efficient in the younger than in the mature animals. It is only in sections where grazing is abundant and cheap that the conditions will warrant the longer feeding periods which produce the mature and heavy weight animals. Practical maturity may be obtained under favorable conditions in one third the time, at one third less cost, and a finished product that is altogether more desirable and less wasteful for the consumer. In attaining this improvement the farmer must make use of improved breeding and feeding in the same manner as has been pointed out in increasing dairy production.

Improvement in livestock, and thereby the increase of livestock, also contributes to increasing the food supply in a marked degree in an indirect manner. The grain yields of 10 of the best livestock farms in Iowa were compared with 10 of the best grain farms in the same locality, extending over a period of five years. The stock farms showed an increase of 14 bushels of corn an acre, 7 bushels of oats an acre, and one ton of hay; which was equivalent to a 36 per cent increase in the corn yield, 21 per cent with oats and 83 per cent with hay. These results are confirmed in a larger way by the returns from stock and grain farms reported by the census taken later by the government.

The same acreage devoted to a silage crop will support more cattle than it would if devoted to hay or other roughage.

The Roads Need a Doctor

BY G. B. HARRISON.

An ordinary roadmaker is like a doctor with the highway as his patient. If he does his work well it is somewhat on the Chinese theory as to doctors—first he puts the patient into good general condition and then he is paid for maintaining that condition. And roads vary in types of treatment fully as much as doctors' patients vary. They cause just as much fuss if they are not cured promptly, but they pay more quickly when proper treatment is given them.

Most of the roads in Kansas—probably three-fourths of them—are sick and need the road doctor. They don't do the work they ought to do, and the farmers of the state lose several millions of dollars annually in consequence. Putting it more practically, it costs about 13 million a year to haul 11 million tons of farm products to market when good roads would permit the farmers to haul fully 12 million tons to market for about 10 million dollars. In the meantime the demand for the help of the roads is increasing very fast, and all the road specialists are gathering around to see just what sort of a plaster shall be slapped on the patient.

While they are considering there are two simple home remedies which have been tried out and found to bring ready relief. The treatment may be summarized as putting the patient as flat on his back as possible and then massaging frequently. To get the patient properly on his back use a grader, a harrow or two and a road roller, and afterwards massage immediately after a bath with an 8-foot or 9-foot split-log or plank drag. Then before long you will see the road out in the sunshine doing fast, easy work and keeping at it a farmer's full day the year 'round. Home treatment of this type has already been applied on about one-fourth the public roads of Kansas with excellent success.

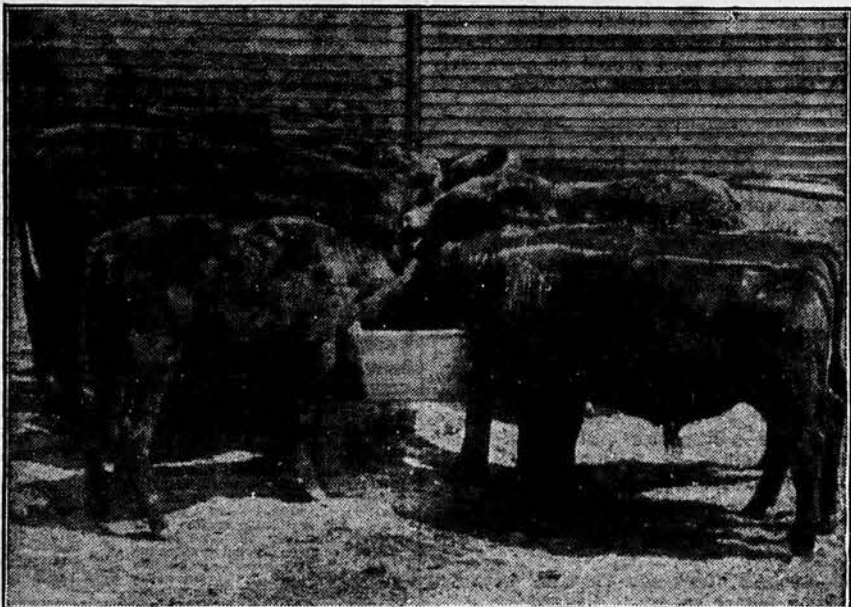
Whatever may be decided in time as to improvement of any Kansas roads with concrete, macadam or other hard surfacing the fact will be prominent for a long time to come that the state will have a large mileage of ordinary earth roads which should be kept in good condition for ordinary traffic. These form a big problem in bettering the highways, and it must have consideration in a way that will not add greatly to the expense. The cheapest method to get good roads and to keep them good in the case of an ordinary earth road not under an especially heavy traffic is, first, to grade, drain, crown and compact them sufficiently, and, second, to keep the holes filled and the road well dragged. In this, as in other activities, there is a time as well as a place for all things.

Investigations conducted by W. S. Gearhart, state engineer, show that 45 per cent of road-grading is done at the wrong time, or during October, November and December. This may be the best time for the worker, but it is the most expensive time for the road. The road builder uses earth and water to form and compact his earth road surface, and he can work with these to best advantage in the spring, or at least between April 1 and August 1. The same principle that the earth must be wet enough to work and be compacted into a firm impervious surface applies equally to dragging. It is a fundamental in maintaining an earth road by dragging that it should not be dragged when dry but as quickly as it can be worked after every rain. By getting the water off the surface of the road and causing the mud to dry as a smooth instead of a rutted surface constant dragging will make a good road out of a bad one.

In advance of freezing weather a late rain will allow the road to be dragged so that it will freeze up smoothly. When this chance offers days of uncomfortable riding and hauling may be avoided by prompt use of a road drag.

The road laws now encourage this procedure, and the dragging of Kansas roads has increased tenfold since 1910. This movement will undoubtedly increase, but it can be helped materially if Kansans who discuss good roads during the coming winter will not forget that much can be done to the common earth road without great expense if taken in hand with a few simple tools early next spring.

Hens must not be allowed to become too fat before the breeding season.



"Digestion is More Complete and the Conversion of Feeds into Meat is More Efficient in the Younger than in Mature Animals."

Farm Crops That Pay Best

Better Rotations Are Much Needed in Kansas

BY F. B. NICHOLS
Field Editor

A GOOD crop rotation for Kansas conditions on most farms will include a large place for the legumes—for they are needed in maintaining the fertility. Alfalfa, clover, cowpeas or some of the other varieties may be used—grow the variety that is best adapted to your community. Fortunately through a great deal of Kansas this is alfalfa, and this excellent adaptation has enabled the state to get 1,200,000 acres of this crop, which is a far larger acreage than in any other state. On some soils Red or Sweet clover or the cowpeas will do better than alfalfa—but one should always remember that alfalfa usually will produce the larger profit on the soil to which it is adapted.

In the growing of plants other than legumes it is wise to feature the forage crops which are especially adapted to your section. This is especially true if the farming system is based on livestock—and this should be the rule on all the general farms of Kansas. It is important that the state should get away from one-crop grain farming—unless this is done the farmers will have a heavy fertilizer bill to pay before many years, which will do as much to hold down the profits from farming here as it is doing in the South. A logical system of farming is all that can save the farmers of Kansas from having this fertilizer bill loaded on them.

For Less Wheat.

Especially should the state get away from exclusive wheat and corn growing. While it is true that Kansas is noted for its leadership in wheat growing it is just as true that more profit would be made if livestock and diversified cropping were featured. If you will consider the examples of such men as A. L. Stockwell and E. E. Frizell of Larned, A. J. Erhart of Ness City, J. W. Lough of Scott City and E. J. Guilbert of Wallace you will see that the livestock men in the wheat belt are making larger profits than the grain farmers. More than this, this difference will become increasingly noticeable in the future, with the decline in the fertility.

Another thing which the farmers in the western half of the state should get away from is the remarkable acreage of corn which they insist on growing. Western Kansas is not a corn country and it never was, and the crop has but a very small place there. The corn acreage should be almost eliminated. Instead there should be more of an effort made with the drouth resistant sorghums. A larger acreage of the sorghums also is needed in the eastern part of the state. There is a variation in the adaptation of the sorghums over the state, which has been well worked out by the department of agronomy of the Kansas State Agricultural college in its co-operative work.

However, there are some facts with the sorghums in Kansas that are general, and apply to all sections. One is that there is a big need for a larger acreage of Sudan grass. This is true especially in the western half of the state of course, but a larger acreage also is needed farther east, especially on the shale formed soils of southeastern Kansas. This crop has done especially well on the thin land around Iola, in Allen county. Eastern Kansas also needs a larger acreage of Kansas Orange sorghum for silage. This variety produces much larger crops of silage as a rule in the eastern section than the other sorghums, for it is especially adapted to the humid conditions. It will greatly outyield corn. Red Amber sorghum has given excellent results in southwestern

Kansas, and farther north Freed sorghum has done well.

The feature of the cropping results with the sorghums in Kansas in the next few years probably will be a great increase in the acreage of Sudan grass. More than 20,000 acres of this crop was grown in Kansas in 1915, and the acreage for 1916 will be several times this size, for much more seed is available at a reasonable price. In speaking of the results from this crop, G. E. Thompson, superintendent of substations in the Kansas State Agricultural college, recently said:

"In the western part of the state where other tame grasses cannot be grown, Sudan grass can be used successfully. Although the grass is primarily a hay crop, careful tests from the standpoint of a pasture crop have been made by the branch experiment stations at Hays and Dodge City, as well as by many of the farmers, and the results have been promising.

"Western Kansas farmers feel that in Sudan grass they have a crop that will add thousands of dollars to their profits every year, since it will afford

as well as the humus added. Its large roots, which develop the first year, aid drainage and do much to break up and improve the tilth of the soil which lies below the reach of the plow. The roots penetrate deep into the ground and decay rapidly when the plants die and, therefore, the effect is almost immediate.

The adaptation of Sweet clover to such an extreme range of soil and climatic conditions permits its use as a pasture crop on land where alfalfa cannot be grown successfully. It is an excellent crop to precede alfalfa, as it breaks up and inoculates the soil, thereby bringing about better conditions for the growing of alfalfa.

There are only three varieties that are at all abundant in this country—the White Biennial Sweet clover, the large Yellow Biennial Sweet clover and the small Yellow Annual Sweet clover. The White Sweet clover is generally preferred. It lives two years, is an erect, branching plant that grows from 18 inches to 4 feet high the first year, and from 3 to 8 feet high the second year. Usually it does not produce much seed the first year and will reseed itself from year to year if not pastured or cut too closely. The large, Yellow, Sweet clover is a biennial, and is preferred by some persons, but by others it is not preferred as a hay crop because it is more spreading and the mower is likely to pass over some of the stems. However, it is considered



Sweet Clover on a Hardpan Field in Eastern Kansas; This Crop is Especially Well Adapted for Soil Improvement on the Poorer Lands.

a hay crop to the upland farmer that will mean as much to him as alfalfa means to the bottom land farmer. The crop also has been successfully grown in eastern counties."

Logical cropping systems for Kansas farms will feature the legumes; they will provide for a large acreage of the sorghums, especially in the western part of the state, and hold down the acreage of the grain crops like wheat and corn. In other words, legumes and forage crops should be featured. It is important to get the farming in this state past the grain farming plan and place it on the substantial foundation of livestock and good crop rotations.

More About Sweet Clover

BY M. A. BEESON.

Sweet clover does well on poor, shallow soil and on wornout hillsides where other grasses will not grow well. It makes its best growth, however, on rich, well limed land. On the very poor soil it makes good pasture, but it will not produce much hay. When it is to be used for a hay crop, it usually will pay to sow it on good land. Its value comes not only from the pasture or hay obtained, but also from the improvement rendered the soil on which it grows. It is efficient as a soil renovator by reason of the large amount of nitrogen it is able to take from the air,

one of the best varieties for bee pasture.

The small, yellow variety is an annual and is smaller than either of the other varieties mentioned. It seldom proves profitable, and farmers are advised not to buy it.

Unsatisfactory results have been obtained by some farmers on account of not properly preparing the seedbed. The greatest problem in growing Sweet clover is in procuring a stand. Sweet clover requires a firm, thoroughly compacted seedbed with just enough loose soil on top to cover the seed. A good stand is seldom if ever obtained on newly plowed, mellow land. It is better to seed on unplowed land than to attempt to plant on a loose, ashy seedbed. The seed may be sown in the fall or spring.

When planting in the spring the land should not be plowed, but disked very lightly from 1 to 2 inches deep. Harrow the seed in very lightly unless seeded with a drill, which is better than broadcast. The seed should be sown early in the spring at about the time oats is sown.

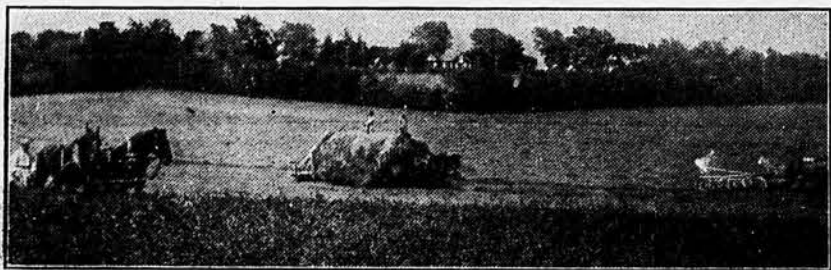
Stop that Squeak!

The springs on an automobile become dry and rusty from water getting on them.

Use a spring leaf spreader, or jack the body up until the load is off the springs, and then force something between the leaves to open them. Make a paste of graphite and oil, and with a putty knife or common caseknife, spread the paste between the leaves. This will do away with the squeaks, and you will notice quite a difference in the riding.—R. A. Bradley, Colorado Agricultural College.

Time Tells

Jones—I know now that my wife lied to me before we were engaged.
Brown—What do you mean?
Jones—When I asked her to marry me she said she was agreeable.



A Much Larger Acreage of Alfalfa and the Other Legumes is Needed in Kansas, for These Crops Aid in Conserving Soil Fertility.

Light Weight Cushman Engines

Built as heavy as necessary, yet very light weight and very steady running, on account of modern advanced design and Throttle Governor. Cushman engines are not light weight compared with other high grade engines, but they are very light weight compared to farm engines of the old type. Cushman 4 H. P. weighs only 190 lbs. Mounted on iron truck, a boy can pull it around and put it to work. Cushman sizes 8 to 20 H. P. are 2-Cylinder, which secures much steadier power than one cylinder engines of same horsepower. 8 H. P. weighs only 320 lbs.; 15 H. P. only 780 lbs. and 20 H. P. only 1200 lbs. Compare these weights with those of other engines. Remember, heavy weight doesn't mean power or steadiness.

For All Farm Work 4 to 20 H.P.

Cushman Engines are the only all-purpose farm engines built. Besides doing all regular farm work, they will do many jobs ordinary engines cannot do. 4 H. P. saves a team on the binder, and saves the crop when it is wet. 8 H. P. used on hay balers and other machines. Any Cushman engine may be mounted as light portable truck. Equipped with Schebler Carburetor and Friction Clutch Pulley. Direct water circulating pump prevents overheating. Run at any speed; speed changed while running. Cushman Engines are not cheap, but they are cheap in the long run.

CUSHMAN MOTOR WORKS
814 N. 21st Street
LINCOLN, NEBR.

You Saved Me \$30

ZENAS SPICER, R. 2, Monmouth, Ill., says: "The No. 8 spreader is satisfactory in every way, works well, is all kinds of manure and has given no trouble. I like it better than any spreader I ever saw, think it stronger and not as liable to break; has no cog wheels, can be used in winter as well as summer, light in draft, neat in appearance and well painted. You saved me \$30."

WHAT MORE CAN I SAY? Mr. Spicer has told you the whole story. Spread the time is all the time, put all the manure on the land. Grow bigger crops. Extra profit. 200 loads pays for a spreader. Get my big new 100-page, 4-color catalog describing my different spreaders and sprayer-boxes in detail and quoting my new 1916 low wholesale prices. Shipped from Spokane, Omaha, Minneapolis, Chicago, Waterbury, Kansas City. Don't delay. Write now. Address WM. GALLOWAY CO., Box 49, Waterloo, Iowa.

Grinds Corn, Cob Husks All At One Time

Only feed mill that successfully grinds snap corn at one operation. Also grinds alfalfa, clover, all kinds of grain. Silent running—buhrs self-sharpening and self-aligning. Uses less gas—grinds 1000-3000 bu. one set buhrs. 10 days free trial to convince you that in fine grinding, capacity and light running the Letz is 100% efficient.

LETZ FEED MILL
Write today—give h. p. of your engine—we'll send you valuable 48-page book "Efficiency and Economy in Feeding Farm Animals".
Letz Manufacturing Co.
234 East Road,
Crown Point, Ind.

DOWN-DOWN Engine Smashed!!

Prices Compare With Any Catalog—then send for our Big Free Engine Book.

LOOK AT THIS!

1 1/2 H.P.	\$24.75
2 H.P.	\$26.75
3 H.P.	\$29.00
4 H.P.	\$35.00
5 1/2 H.P.	\$45.00
6 H.P.	\$48.00
8 H.P.	\$59.75
10 H.P.	\$64.50
11 1/2 H.P.	\$64.50
14 H.P.	\$74.00
15 H.P.	\$74.00

WRITE US NOW—BEFORE YOU FORGET!
OTTAWA MFG. CO. 2012 King St., Ottawa, Kans.

DEHORNER CATTLE

Actual prices quoted at Stock Yards show that dehorned cattle are worth 15c to 25c per hundred pounds more than cattle with horns. The Letz "D" Blade Dehorner cuts all around the horn, leaving a smooth, clean cut that heals readily. Your dealer can supply you. Look for the blue guarantee tag and name on the handle. Get our free circulars on the oldest and largest line of dehorners in the world.
LETT MFG. CO.
120 Briggs St., Urbana, Ill.

LETT DEHORNER

Grange Union Is Popular

New Members Are Being Enrolled Rapidly at Gridley

BY H. C. HATCH

TODAY, December 4, is like a day in October. The sun shines brightly and there is not enough wind to turn the windmill. But in the daily paper is a threat of a change, for the prediction says that tomorrow will be rainy and colder with a possibility of snow. It does not seem that such a change can be so near at hand. I shall watch for the weather predictions with more interest if they make good this time.

For two days there has been scarcely any wind and this noon the bottoms of our two tanks were almost showing. It is not often that we have to do any pumping by hand for we have storage for two days' supply, and it is seldom that 48 hours passes in Kansas without a breeze of some kind. Perhaps twice in a year we have to do a little pumping by hand. When we can place such dependence on a windmill we do not feel like installing a pumping engine.

Our windmill and water system has been in use a little more than 10 years, and in that time has given us but little trouble. This summer some of the connections at the mill became loose and we had to do a little work with them, but we think we now have them tight for the winter. When we do have any fixing to do we have more trouble than in the usual well because in ours the water rises over all the connections, and no

when we had to oil the mill in winter. But as the prevailing winds here in winter are nearly always from the southwest or northwest they swing the wheel right over the place where we have to climb up. If you put up a windmill don't have a corner ladder; however, if this is necessary have it located on the southeast corner if you live in Kansas.

I have a letter from a Farmers Mail and Breeze reader who lives in northern Iowa in a section regarded, and justly so, as one of the best corn producing sections of the United States. But this man is asking us if we can give him the addresses of any farmers who will have several thousand bushels of corn to sell. He is this year compelled to come south to get corn to feed as in his locality all the corn was killed by frost so early that there will be none of this year's crop ripe enough for seed. I note by the market papers that even now thousands of bushels of corn are being bought in Kansas City to go to Iowa which is one reason why I do not expect to see cheap corn this year. If any of the readers of the Farmers Mail and Breeze have sound, solid, matured corn for which they are offered less than 50 cents a bushel I would advise them to refuse the offer and to hold until a better price can be obtained. A man

gallons of them, cooked by a member who has worked four years at the business of restaurant cook in a city. He brought his oil stove and cooking utensils along and did a fine job. The 75 present had all the fresh oysters they could eat and on top of that all present had a good visit. We are increasing our membership with every meeting and hope before long to include the entire neighborhood for it is not our intention to leave out any who wish to come in. We can show up some substantial financial benefits in our Grange and we think we have something worth more than that in the social features. It is a place to go every two weeks where we can meet the neighbors, have a program of some kind and then go home with the thought that we don't have to be "uplifted" by anyone.

Whenever land begins to change hands the local papers are filled with "quieting title" cases in which all the persons who have had anything to do with the land in question since the Indians left are called upon to appear and show cause why the absolute title should not be vested in the party advertising. Probably nine out of ten of these suits are on mere technical points but as our land transfer laws are at present they have to be cleared up. A very large part of such cases are caused by some grantor in former years using his or her full name in one place and only their initials in another. In some cases their name may be spelled slightly different. For instance, in a local case among a dozen others Vina Roe and her husband and Vinoy Roe and her husband are called upon to show cause why title should not vest in the advertiser. Both parties are undoubtedly the same but in order to appease the lawyers a case in court results with expenses amounting to \$50 and all because of carelessness at the time the deed was made.

A lawyer once remarked to me that he was amazed at the carelessness of the people for whom he did business when they were buying real estate. Men whom he said would spend half a day over a horse trade did not think they could afford a moment to a real estate deal amounting to a great deal of money. To this carelessness and heedlessness is joined a reluctance to pay a competent man a fee to examine a title, and so they accept something which has in later years to be made good in court. If a man is buying a farm he should be absolutely sure of the title and not accept what is handed him just because he knows that the man he is dealing with has owned the land for years without question. The time to cure these technical flaws is when it can be done at the other fellow's expense.

Straw Spreading Pays Well

Straw spreading time is here. It will pay well to get all of the straw spread as soon as possible if it is not to be used. Get it back on the land where it will do some good, and help in increasing the crops.

There are of course many ways in which the work can be done. If there is just a small amount to be spread the work can be done with an ordinary wagon and a fork, for it will not take long in any case. If there is a considerable amount it will pay well to get a regular spreader, for this is much more efficient and rapid than doing this work by hand. There are several straw spreaders on the market, and the cost is low.

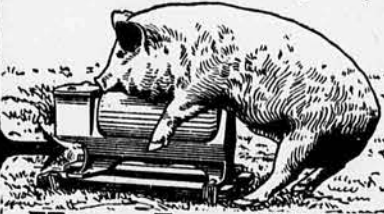
We had a fine time at the meeting of the Grange last night. In addition to the usual "doins" we had oysters, 5

Best for Bellies

While the Hog-Joy Oiler does all that others do—it does more. We'll prove it—and it won't cost you a cent. For this is the only oiler with which the hog can oil its belly, leg-pits and neck—exactly where lice and disease germs collect. Oiling in these parts is disinfection twice as effective as all back-oiling.

The All-Over Oiler

Certainly no other type can equal Hog-Joy for oiling every spot on a hog's body.



Hog-Joy Oiler Banishes All Lice

You know what that means in dollars and cents. Then remember that this oiler costs less in the long run, because it lasts longer. Stock can't tip it over. No spring valves or other delicate jim-cracks. Can't clog with mud or snow. Can't possibly freeze. No oil can waste. 30 days free trial. Guaranteed for five years. Over 35,000 thinking farmers prefer the Hog-Joy Oiler, because they see its advantages over other types. You will, too. So don't experiment.

Rid Your Hogs of Lice FREE

Write today for our offer to rid your hogs of lice absolutely free. They will rub that wonderful vermin-killing oil all over their bodies. And every last louse and nit on them will be gone long before the 30 days. Then, if you don't want to keep the machine, just send it back. But you will want to keep it, for it not only kills the lice but keeps others away.

Mail This NOW!

H. L. Ide, President, Hog-Joy Co.
Dept. 57, Springfield, Ill.

Please send me details of your offer to rid my hogs of lice free. This does not obligate me.

Name.....

Town.....

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

ABSORBINE STOPS LAMENESS

from a Bone Spavin, Ring Bone, Splint, Curb, Side Bone, or similar trouble and gets horse going sound. Does not blister or remove the hair and horse can be worked. Page 17 in pamphlet with each bottle tells how. \$2.00 a bottle delivered.

Horse Book 9 K free.

ABSORBINE, JR., antiseptic liniment for mankind. Reduces Painful Swellings, Enlarged Glands, Goitre, Wens, Bruises, Varicose Veins, Varicosities, heals Old Sores. Allays Pain. Will tell you more if you write. \$1 and \$2 a bottle at dealers or delivered. Book "Evidence" free. Manufactured only by W.F. YOUNG, P. D. F., 209 Temple St., Springfield, Mass.

YOU CANNOT BUY BETTER ENGINE

That is what Mr. P. H. Nugent said after he had thoroughly tried out his Galloway engine. Its heavy weight, large bore, long stroke and low, steady, all day speed, with a surplus of power, made it talked about in his neighborhood, the same as it is praised in every neighborhood where known. A m.p.l. cooling surfaces, no boiling in water pot. Water cooled cylinder head. Every 1916 improvement. Built in magnet extra. Galloway Economy carburetor; adjustable long life bearings. Costs little to operate. Do not get fooled into buying (at any price) high speeded, light weight, short lived engines that rack themselves to pieces in a single season. Get my big 100-page, 4-color catalog free. A postal gets it. Engines shipped from Spokane, Omaha, Minneapolis, Chicago, Waterloo and Kansas City.

WM. GALLOWAY CO., Box 45, Waterloo, Iowa

Prices: \$98.75, \$77, \$39.50, \$34.75, \$26.75

Ask Us About It

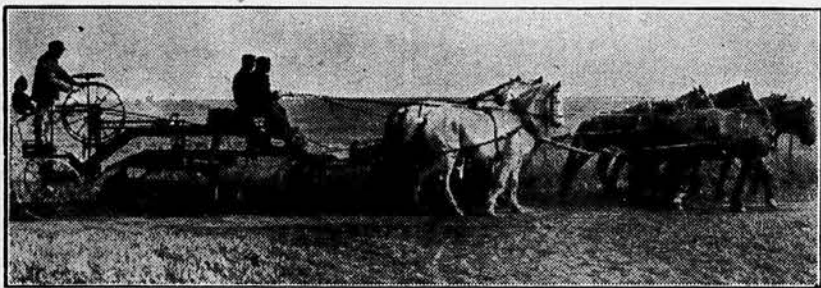
Ask us where and how a CHANTICLEER Gasoline Engine will make your work easier, where it will save money for you and how it will earn money for you. We have a lot of engine facts and figures for the farmer who doesn't have an engine—and a lot for the one who has. Ask us also to tell you why the CHANTICLEER is an "ALL QUALITY" Engine from A to Z. CHANTICLEER Feed Grinders, Power Washing Machines and Barrel Carts are worth investigating. Write today.

JACOB HAISH CO., 34 N. 4th Ave., DeKalb, Ill.

CHANTICLEER

Kodak Films Developed 10c

Film packs, 20c. Postcard prints, 4c; smaller sizes, 3c. Hall Photo Finishing Co., Dept. B, Chapman, Kansas



A Special Effort Has Been Made Recently, During the Favorable Weather, in Working the Roads Around Jayhawk Farm.

tightening can be done until the pump is taken out of the well. As the pump was connected directly to the 60-rod pipe that runs to the house, we had, previous to this summer, to raise up the first two lengths of pipe before we could get at the connections and release the pump.

This summer we put in a connection in the form of an inverted U next to the pump with the top of the U above water. At the top is a union connection, and when we want to take the pump out of the well we have only to reach down and uncouple the union. It works well and I cannot see that the pump has to labor any harder to force the water up over the U than it did before when it had a straight shoot. But with the introduction of the U we have another thing to guard against, and that is freezing. Formerly all parts of the connections were under 2½ feet of water, and we never had to give a thought to the effect of cold weather. Now the top of the U rises above the water and within 2 feet of the top of the well. This means that it must be banked warmly or the water in the U will freeze. The check valve is not between the pump and the U but on the other side.

So with the coming of the first sharp cold we got busy banking up the well with dirt, and we think we have it in shape to stand almost any cold we will have in this part of Kansas. But in severe cold spells we shall visit the pump and give it a trial before turning on the mill. Should we find the water frozen in the U we will use a blow torch on it. There is so little of the pipe exposed above water that it cannot burst, as there is open water on both sides to allow for expansion. The windmill works well and we can find but one serious fault with it. The tower has the ladder at the corner instead of in the middle and we find this corner ladder hard to climb, especially as ours is located wrong. When the mill was erected we had the choice of any corner for the ladder and we chose the northwest corner because we thought it would be nice to have the cold wind at our back



Spreading Straw on the Farm of William Knop of Preston, Where the Yields have been Increased Greatly by This Material.

Good Farming Produces Credit

BY E. F. BURTON.

A few days ago, while visiting one of our dry and irrigated farm sections, a merchant remarked to me, "Eighty-five to 90 per cent of our business is done on credit and settlements are made once a year. We do not want a cash business." This was such an unusual remark that I asked him why they did not want a cash business, and he replied: "We give credit only to reliable persons. People buy, on an average, 50 per cent more goods and pay 10 per cent more for them when running an account than when they pay cash."

When asked what class of people enjoyed credit privileges, he replied: "The stock owners and most of the owners of irrigated farms are granted practically all the credit they desire. But there is hardly a dry farmer in this section that can obtain credit here. Those fellows have to pay cash for everything they buy of us."

No matter how good the credit of business is for the merchant, this merchant's statements show clearly how bad such a system is for his customers. These statements apply to every community in the state.

There is much talk about Congress passing a rural credit bill so farmers

rates brought out the fact that in 12 counties where the farmers were organized in co-operative creameries, the interest rate was 5 to 5½ per cent; in counties where stock farming, but little dairying, was practiced, the interest rate was from 6 to 8 per cent and commissions; while in sections where crop farming was the rule interest rates were 8 to 10 per cent plus commissions. The same banks and insurance companies were supplying the money used in all three sections.

The principal reason for these differences was the fact that the dairymen could pay their obligations when the banker wanted them to pay; the stockmen could pay once a year and were certain of their ability to do so; but the grain farmers were dependent on whether crops were good or not. The greater the banker's chances, the greater is his interest charge.

It makes no difference what laws are passed, a man's credit will depend on his ability to pay his obligations. The rate of interest will depend more upon supply and demand than on any bill Congress can pass. The solution of these two problems depends more upon the farmers themselves than upon anything else. If the dry farmers of our state learn that the best insurance they can take out is to grow into the dairy

corn silage production; corn judging, varieties of corn, and corn breeding.

All subjects are taken up in detail. There is a full and complete cross index, with collateral reading.

This book contains 200 illustrations, including 11 tri-colored plates of insects injurious to the corn plant and more than 500 pages on heavy enamel paper. It is bound in silk cloth. The price is \$2.

The Lesson for December 26

BY SIDNEY W. HOLT.

(Lesson 13.)

A REVIEW: Jehovah's gracious promises to Israel.

Golden Text: The Lord is merciful and gracious, slow to anger and plentiful in mercy.—Ps. 103:8.

Reading lesson: Hos. ch. 14.

The promises made by Jehovah to Israel apply to us today. We can buckle on these Old Testament characters as an armor for the questions of the present. With Elijah we can learn to be fearless and to help to make Christianity possible. We must conquer the world to Christian ideals and principles. From Elisha we gain the knowledge that our positions should be sought for service and not for fame and wealth. One of the promises that we can count on without fail, is that God is going to help us in every right endeavor, and that there is an unseen host or army working with us.

When Naaman, the Syrian, went to Elisha to be healed he was a very proud man, and because Elisha gave him something easy to do to be made well, he was offended and thought such a simple remedy impossible. For a little bit pride stood in his way to health and enjoyment. Pride is such a vain thing and Naaman shows us how to be simple and to do reverence to good things.

The little boy, Joash, becomes king and repairs the temple. People realize too little the possibilities of a child, and the precious responsibility one incurs in directing their spiritual and physical life. Daniel was an example of a good life. One can do no more than to live his religion. It is a great big undertaking to build a character, such as Daniel had. He is the biggest lesson on the question of temperance that can be found.

Jonah was a hero, but he did not wish to be one. He thought to disobey God by running away. He is our lesson on obedience, to work where we are shown the need, and not where we think it would prove more profitable. Jonah is the first "called" foreign missionary.

Amos, a shepherd of Tekoa, a little place near Bethlehem, was a man of the fields. He makes us realize that we are our brother's keeper, and that there are other things of much more importance than ourselves. He is another fearless, rugged man and he tells us that we are worshiping idols, that we are not obeying God.

Pride and its just punishment are shown by the king, Uzziah. He had prospered so wonderfully that he set himself above God. Pride is a sin of modern society and we need to take heed of Uzziah's downfall.

God is love, Hosea teaches us, but God is also a just God, and repentance sometimes comes too late. You cannot mock God and go unrebuked. The downfall of Israel, His chosen people, proves that point.

Jehovah's promise to Israel is renewed each Christmas. Our hearts are cradles for the infant Savior, if we are humble and meek, and willing to obey God's commands.

But Nothing to Sell

I wrote a short piece recently for the Farmers Mail and Breeze about ever-bearing strawberries. Now it is impossible for me to answer all the letters I receive asking for these plants. I wish you would say that I have no plants to sell. They may be bought from growers or seed houses which advertise.

Mrs. Jim Countryman.

Axtell, Kan.

College Stuff

Ag. 1.—Have you attempted to milk a cow yet?

Ag. 2.—Yes, but the attempt was an utter failure.—Penn. State Froth.

Write to Your Congressman

You can take a big part in this controversy about preparedness. You have representatives and senators in Congress where the subject is to be threshed out this winter. Your vote helped to send them there. Write them urging them to vote against the plan to spend hundreds of millions of dollars for military purposes.

Call a meeting in your township and learn the public sentiment. Get up a petition or a letter, have it signed by all your voters, and send it to your senator or representative.

Don't delay. This thing may be rushed through in Congress. Write today.

THE KANSAS DELEGATION.

Senators W. H. Thompson and Charles F. Curtis.

Representatives, D. R. Anthony, First district; Joseph Taggart, Second; Phil Campbell, Third; Dudley Doolittle, Fourth; Guy T. Helvering, Fifth; J. R. Connelley, Sixth; Jouett Shouse, Seventh; W. A. Ayres, Eighth.

Address any or all of the foregoing persons at Washington. Tell them your township would like to have the Kansas delegation vote against preparedness as it is now contemplated by the administration.

may have plenty of money at a low rate of interest. Will acts of Congress remedy this condition? I do not think so.

One thing and one thing only, will bring about a reformation in this respect, and that is a system of farming that will insure an income every year that will enable the farmer to meet his obligations. If the farmer is to succeed to the greatest extent he must invest his money, not in a system of grain or crop farming, which results in the selling of his farm by piece-meal; but, in a system that increases land values and at the same time increases profits year after year. That means livestock farming. Manure means richer farms. A hen, a cow, a sow, a ewe reproduces year after year, and it does not require money to double the investment. The farmer, by keeping animals, grows into independence with good credit, while a grain farmer grows into the poor house, owing every man who trusted him, at outs with his friends, and one of his best assets, his good credit, absolutely ruined.

Conditions in Minnesota illustrate this point: An investigation of interest

business, they will have learned the solution of the problems of credit and high interest, too.

For Larger Corn Crops

Corn, by M. L. Bowman, has just been issued by the Waterloo Publishing company, Waterloo, Ia. This is a 500-page book, and it deals with all the leading subjects pertaining to this great crop, such as the history of the corn plant, acreage, distribution, valuation in the leading corn producing countries, classification and botanical characteristics, germination and growth, with a discussion of the essential plant foods needed; climate and soil in relation to the corn crop; selection and preparation of seed corn for planting; preparation of the ground; cultivation of the corn crop; harvesting and storing; the cost of growing corn; diseases and insects attacking it; the marketing of corn; Boards of Trade; the commercial products made from corn; composition and feeding value; the grain and by-products; planting corn for fodder; harvesting, shocking and feeding corn silage;



Good Dairy Cows Form an Excellent Basis for Substantial Farm Credit, for They Produce a Regular Profit, Month after Month.



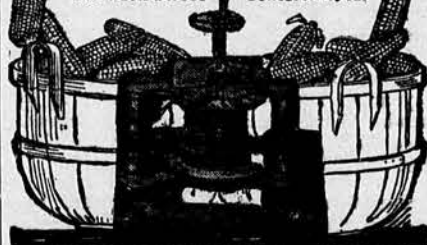
Get The Hidden Treasure From Your Stump Land

Every stump on your farm takes up from 100 to 400 sq. ft. of rich ground that would be yielding bumper crops. Take out the stump! Now land often yields \$200 to \$300 profit the first year.

HERCULES All Steel Triple Power Stump Puller

Clears an acre a day. Make money clearing neighbors' farms. Sold on trial 30 days. Three years warranty. Special introductory price on immediate orders. POSTAL BRINGS BIG FREE CATALOG.

HERCULES MFG. CO. 128-24th Street Centerville, Ia.



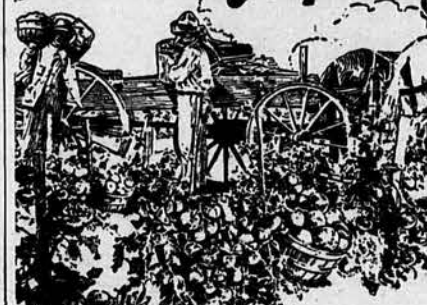
Direct From The Well

Don't Drink "Stored Water!"

Water kept in a storage tank soon becomes stale, foul and unfit to drink. The Milwaukee Air Power Water System furnishes a constant supply of clean, sweet water—direct from the well—without the use of a storage tank or other unsanitary container. Cannot freeze. Easy to install. Costs but little. Write for illustrated catalog today.

MILWAUKEE AIR POWER PUMP CO.
629 Third Street Milwaukee, Wis.

A crop harvest by April 1



When J. H. Cash paid \$100 on a little farm near Camden, Ark. he had just \$40 left—yet in three years he cleared his debts and bought 80 acres more. Its easy to understand why farmers along the

Cotton Belt Route in Arkansas & Texas

make headway so fast when you consider the soil and the season down there. When farmers up north are "drawing on the bank" for living expenses, Mr. Cash, and thousands of others in Arkansas and East Texas are cashing in on crops. Mr. Cash sells garden truck by April 1st; by the 15th he's marketing new potatoes, by May his strawberries and there's some crop to sell every month until Christmas. He's made five crops bringing \$537 per acre in one season.

And the crops are not all truck or fruit. Corn, peanuts, clover, alfalfa, etc. yield big. Mr. Kapp, near Oash's place, makes 62 bu. of corn on his land. Mr. I. E. Zimbrough of New Edinburg, Ark. makes 100 bu. of peanuts per acre, selling at \$1 per bu. Rudy Stutter, of Stuttgart, Ark. says "I plant oats the last of September and in 15 years I've never lost a crop. Last year I threshed out 75 bu. per acre. Jacob Yoder, on the place adjoining mine made 90 bu. per acre." Near Texarkana, Tex. J. M. Champion shows how a farmer can make \$1700 and \$1800 a year net on twenty acres by taking advantage of the many crops per season which the long growing season allows.

Go where you will in Arkansas and East Texas you'll find farm opportunities even bigger than you've read about.

Two free books!

A farmer wrote them; and he knows what you want to know about a section new to you. They tell about the character and cost of lands, climate, crops raised, etc., and about schools, churches, towns, social conditions. Brimful of photograph pictures taken on the ground. Send me your name and address on a postal card today and get these free books now.

E. W. LaBeaume, G. P. A. 1772 Railway Exchange Bldg., St. Louis, Mo.



Is Your Boy in the Contest?

A Start in Business for One in Every County

BY JOHN F. CASE
Contest Manager

IS YOUR NAME in the Capper Pig Club contest? Has your county been entered? Are you keeping up with the progress of this big movement for Kansas boys?

It may not be too late. Up to the time this is written 75 counties out of the 105 in the state had entered qualified contestants. Perhaps you have missed this, heretofore, although it's difficult to see how it could happen, with the Farmers Mail and Breeze entering your home every week. Anyway, if you haven't sent in your name—and you want to do it—we'll explain the thing all over again for your particular benefit. Look over the lists of county representatives published in the Farmers Mail and Breeze November 27, December 4 and 11, and then read this list of boys who qualified this week:

NAME	POSTOFFICE	COUNTY
Sylvan Smith	Moran	Allen
Wallace W. Corder	Lawrence	Douglas
Paul Merriman	Syracuse	Hamilton
Harry Fowler	Centralla	Nemaha
Eugene Smith	Long Island	Phillips
Clarence McGregor	Concordia	Republic
Ora Force	Scott City	Scott
William F. Robison	Yates Center	Woodson
Joe Fulton	Mentor	Saline
Murray Suits	Hartland	Kearny

If your county does not appear in the foregoing list fill out the entry blank and send it in today. If you are the first boy in your county and can file approved recommendations Arthur Capper will lend you the money to buy a sow, giving you a year's time at 6 per cent, and taking only your personal note. And if your contest sow and pigs are among the five prize winners you will receive a check for \$25, \$20, \$15, \$10 or \$5 about January 1, 1917.

Read the rules and regulations in the Farmers Mail and Breeze for November 6. Here's the entry blank:

THE CAPPER PIG CLUB

Arthur Capper, Eighth and Jackson St., Topeka, Kan.

I hereby make application for selection as the representative of

.....county in the Capper pig contest. If selected I will send recommendations as requested, I will read carefully the bulletin entitled "The Feeding and Growing of Swine" published by the Kansas State Agricultural college, will follow all instructions carefully and will keep an accurate record of the weight of the sow when received, the weight of the sow and pigs when slaughtered, sold, or at the end of the contest, and the quantity of feed fed to the sow and her litter. I will do all the work myself as far as possible and will give complete direction as to how it is to be done at any time when I cannot do it myself.

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

Approved.....Parent or Guardian

Postoffice.....Date.....

Tire Injury from Brakes

Knowing how to stop, when necessary, is considered of more importance than a knowledge of how to start the engine and therefore, the use of service and emergency brakes is taught to the new car owner, early. Being somewhat nervous and timid, the driver may apply the brakes very hard with the result that one or both rear tires receive tread damage. Locking the wheels will not, under all conditions, bring the car to an immediate stop; the momentum and weight frequently will cause the rear wheels to slide along for a considerable distance and grind off the tread of the tires in the same manner that street car wheels receive flat spots. When ground down to the fabric in this way, the tread should be given early attention to protect the fabric from decay and the weakening effect of moisture, and to prevent dirt from working under the

rubber with the probable separation of other tread portions. It is well to inspect the inside of the case and repair any threads or plies of fabric, broken from strain.

Sharp, quick turns or fast driving at curves usually causes the rear wheels to slide and skid sideways. This not only wears off the tread rubber quickly but, on account of the unusual strain, it is particularly harmful to the fabric body of the tire.

The service brakes should be given occasional inspection. Any difference in adjustment of brake drums can be discovered by jacking up the rear axle so that neither wheel rests on the ground; then start the engine and engage the clutch. If, upon application of foot brakes, one rear wheel revolves and the other does not or, if one wheel revolves faster than the other, the tire on the one turning slowest receives more strain and, under the circumstances, excessive

wear to the tread rubber may be expected.

The clutch plays an important part in the efficiency of the car and in the service of the tires. It is essential, therefore, that it should be kept in good order so it will take hold smoothly when the gears are engaged. Usually the taking up of loose bearings and frequent lubrication will insure the desired results. Avoid letting in the clutch quickly while the engine is running fast—such treatment is not good for either car or tires.

Protect the Tires

Automobile tires, like machines, should receive considerable attention and care. A little care in looking over a machine occasionally will prevent trouble, and a close examination of tires while they are still in good condition will enable one to avoid much loss.

The proper use of the extra or "spare" tire, which every car should carry, will enable the driver to make such examinations and repairs at the proper time. At regular intervals the extra tire should be used to replace one of the service tires, and the one removed should be gone over immediately. All cuts, cracks and breaks should be sealed by vulcanizing and the weak places reinforced. If a car is in constant service, one tire exchange a week and in rotation will enable one to keep all the tires in as good condition as possible. Of course this period depends upon the driver and the condition of the roads. By this arrangement, the extra tire will be kept in good repair for emergency calls with the emergencies reduced to a minimum, and in most cases the tire mileage will be almost doubled. A. Cammack, Colorado Agricultural College.

Algae in Watering Troughs

Considerable annoyance frequently is experienced with a green scum forming in watering troughs which are uncovered and exposed to bright sunshine. This growth is due to algae, a form of lower plant life, and aside from a possible disagreeable flavor which may be imparted to the water, it is harmless. However, a watering trough in this condition is always unsightly, and far from inviting to the stock that must drink from it.

Algae growth can be prevented entirely by treating the water with copper sulphate, or bluestone, using 1½ grains to each 100 gallons of water. The copper sulphate should be dissolved in a small amount of water, and this solution added to the water in the trough. Walter G. Sackett, Fort Collins, Colo.

Unfortunately the stubborn man never takes time to count the scars on a vicious mule.

THE VERY TIME

When Powerful Food Is Most Needed.

The need of delicate yet nutritious food is never felt so keenly as when a convalescent gets a set back on account of weak stomach. Then is when Grape-Nuts shows its power for it is a most scientific and easily digested food.

"About a year ago," writes a Kansas woman, "my little six-year-old niece left the invigorating and buoyant air of Kansas, where all her life she had enjoyed fairly good health, to live in Ohio. She naturally had a change of diet and of course a change of water, and somehow she contracted typhoid fever.

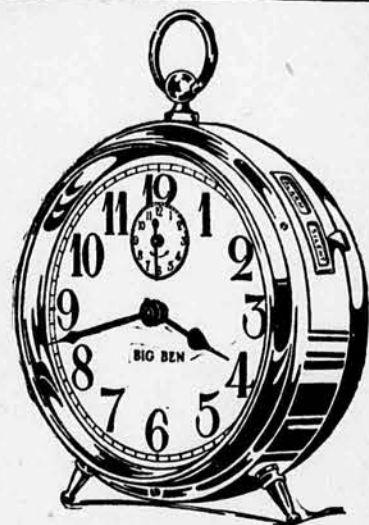
"After a long siege her case seemed hopeless, doctors gave her up, and she was nothing but skin and bones, couldn't eat anything and for weeks did not know even her father or mother. Her parents, in trying to get something delicate and nourishing that she could eat, finally hit upon Grape-Nuts food and it turned out to be just the thing.

"She seemed to relish it, was soon conscious of her surroundings and began to gain strength so rapidly that in a short time she was as well, playful and robust as if she had never been ill.

"We all feel that Grape-Nuts was the predominating factor in saving the sweet little girl's life."

Name given by Postum Co., Battle Creek, Mich.

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest.



You set the hour:
he'll wake you up

If it's *two-thirty* to get the milk to town, he calls you right on the dot. If it's *five o'clock* when work is light, Big Ben lets you get the extra sleep.

Dodge him around—*two* today—*five* tomorrow—give him a thorough try-out. Any hour you say suits Big Ben. Just arrange it with him at bed time.

It's his business to get you up on time and he does it loyally—punctually—cheerfully. He stands seven inches tall; has great, strong keys that make him easy to wind; a big, deep-toned gong that makes him pleasing to hear—a round, jolly face that makes him easy to read.

If your dealer hasn't him, a money order addressed to his makers, Westclox, La Salle, Illinois, will bring him postpaid, \$2.50 in the States—in Canada, \$3.00.

"Just Great"

Pretty hard for a fat man to work around machinery! Couldn't get along without

FITZ
OVERALLS

They're easy to work in—fit just right—and wear like hickory. If your dealer is out of your size, he can get 'em in 24 hours from

BURNHAM-MUNGER-ROOT
DRY GOODS CO.
Kansas City, Mo.



Made in
66 Sizes

For Daddy's Christmas Present

Get him this wonderful book about more successful farming. It will be worth thousands to the whole family if he follows it. A most sensational book about increased crops.

"Upside-Down Farm"

Nothing will please Daddy so much. Copy sent postpaid to you if you merely send us your name on a postcard. Then if you keep the book send us 25c. Write today—don't delay. (82)

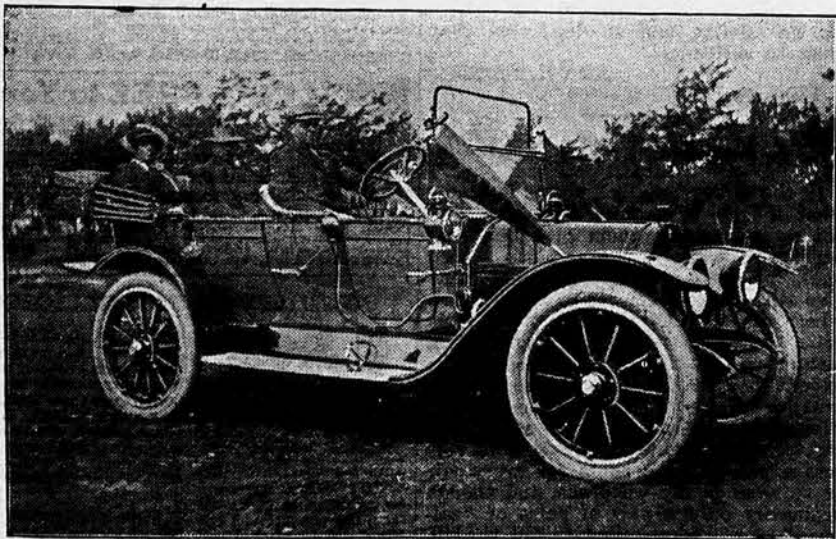
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89 W. Cass Street, Albion, Mich.

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T. H. Jackson's Colic Treatment
For Horses and Mules

Prepared Only by

T. H. Jackson & Co., Quincy, Ill., P.O. Box 416
For Sale by Druggists Generally.



Proper Attention Will Decrease the Tire Cost on Your Car very Materially, and Make the Results Much More Satisfactory.

Let's Have Pure Air at Home

Fewer Doctors Are Needed Where Windows Are Kept Open

BY STELLA NASH

IT IS very important that the air in the home shall be clean. If each housewife on the farm realized how detrimental impure air is to the health of her family she would begin immediately to check up and see if she has done everything in her power to make it possible for the air which her family breathes to be pure and clean.

Very few persons, I suspect, realize what a great effect the condition of the cellar and the yard around the house has on the air in the house. One of the greatest dangers from foul air comes from poisonous gases being carried from sources of contamination in the yard, through the cellar and into the house. Care should be taken that there are no sink openings, no stagnant water or deposits of decaying material within 200 feet of the house as many cases of typhoid, tuberculosis, and rheumatism have been traced back to such sources as these.

What kind of air are you and your family breathing? I have often seen dark, dirty, cobwebby cellars and cellars with decaying vegetables and fruit in them and have wondered if the housewives were ignorant of the ill effects of such conditions. The authorities who have studied the question of sanitation in the home tell us that one-half the air on the ground floor and one-third of the air on the second floor of a house comes from the cellar, and that no matter how well the house is ventilated, if the air in the cellar is not clean and pure, the air in the house will not be pure. It is very essential, then, that the cellar be clean and properly ventilated.

In order to keep the cellar in proper condition it should have a thorough cleaning every spring and fall. A coat of whitewash made from lime applied to the walls, ceiling and floor, occasionally, will be a great help in the work of renovation. If fruit and vegetables must be kept in the cellar, they should be carefully examined every few days to see that they are not decaying. There should be at least two screened windows in the cellar and they should be kept wide open the year around to provide the proper ventilation. If the house has no cellar, have openings in the foundation to permit the air to circulate as it should. These openings, however, must be kept free from refuse or they will do more harm than good.

Now, after you are sure that your cellar is clean and properly ventilated, the next step is to see that the air in the house is clean. It is more important that a means of escape be provided for the impure air in a room than it is that an inlet be supplied for the fresh air to come in. As you know, the warm, impure air in a room rises to the top of the room and remains there unless some outlet is made for it while the fresh air comes in through cracks around the doors and windows and every time a door or window is opened a new supply is let in. If a window or two in each room is kept open from the top, there will be no danger of the warm, impure air remaining in the room. If a window on the top floor of the house can be kept open all the time, it is a great help as it provides an air escape for the whole house.

The best way to keep the air clean in the bedroom is to open the windows from top and bottom the first thing each morning. Throw the bed clothes back, open the closet door, and give the room a thorough airing before putting it in order. Of course every one has the windows in the room where he sleeps open at night and keeps the room cooler than the living rooms of the

house. Keep the bath room clean and have the window open from top as well as bottom so the air will go outdoors instead of through the house.

If the kitchen is not provided with sufficient ventilation, the odor of cooking goes through the whole house. How disagreeable it is to enter a home and be greeted in the front room by odors from the kitchen! But the warm air in the kitchen has to have some outlet and if it cannot get outdoors it will go through the house. A register ventilator placed on the outside wall of the kitchen will solve this difficulty, or if it is not possible to have the ventilator, every one can at least have the kitchen windows lowered

from the top while cooking the meals.

There is nothing, I believe, that so quickly makes the air in a room impure as gas escaping from the heating stove or from the lights in the room. The drafts in the stove should be examined often to see that they carry the gas and smoke up the chimney and not into the room. It is also a good plan to keep a dish of water on the heating stove, to keep the air moist. Where kerosene lamps are used for lighting the lamps should never be left with the flame turned down for this causes imperfect combustion and increases the im-

purities in the air.

If you see to it that your family breathes pure, clean air and drinks pure water and that the home is supplied with plenty of sunlight, you should be congratulated. You are doing your duty in the fullest sense of the word as wife and mother.

Some Things They Are Asking

Can you tell me where I can get something that isn't a poison but will give mice and rats a disease? I read of it, but cannot now find the paper.—Mrs. W. S. M. Hallet, Kan.

Ratine, made by the Pasteur Institute, Chicago, contains bacteria which cause a contagious disease among rats and mice. This address is probably sufficient.

A Darning Machine Wanted.

Can you tell me where I could get a darning machine like that sold at the Topeka State Fair? It works on a sewing machine.—Mrs. R. E. W. Melvern, Kan.

The darning machine mentioned was sold by a traveling salesman whose present address is unknown at this office. A darning which does satisfactory work may be bought at almost any sewing machine agency.

Wish Bones as Gifts.

I would like so much to see in print the directions for an all-crochet centerpiece that is easily made. Can you tell me what to do with wish bones, making them for New Year's presents? Should I gild or silver them?—Lawrence, Kan.

Directions for an all-crochet centerpiece will be published in the Farmers Mail and Breeze in the very near future. Surely you don't want to do anything with wish bones. No person of good taste would wish to receive them.

New Christmas Ideas

If you are tired of Christmas trees and wish something different for the Sunday school entertainment, try having a manger, which can be built of rough boards or small poles. In one end pack the presents, leaving room for a seat at the other. Over the presents spread a sheet covered with straw to resemble a real manger. On the seat in the other end let a mother sit with her baby. Drape folds of white cloth over her head as in pictures of the Ma-

doma. Arrange a bright light overhead for a star, and when ready for the tableau turn the other lights in the building low and draw the curtain, letting mother and child be seen for a few moments while the pastor or leader reads the Christmas chapter. Drop the curtain again to permit the mother to leave the manger and remove the straw by lifting the corners of the sheet and carrying it out. The presents can then be distributed in the regular way.

Flag shelves are different and very pretty. Arrange the gifts on a row of shelves covered by a large flag arranged so that lights shine through the stars. The bars of the flag may be sewed to a string at the top so that one stripe may be rolled back at a time disclosing a shelf of gifts. Phoebe Journey, Arapahoe, Neb.

A Present That Pleased

BY LUCY G. WHITWELL.

Last Christmas I made my "shut-in" aunt a present with which she was delighted. She always has been fond of pictures of scenery, especially those containing a few persons. I had saved some pictures from one of the magazines which is noted for its beautiful full-page pictures of western scenes. I bought a book designed for mounting photographs. The pages were of a rich brown about 8 by 11 inches in size and bound in a simple cover with a silk cord. I took the book apart. On the first page I mounted a Christmas greeting set in a border of poinsettias. This was originally the cover of a tablet, but I removed it soon after purchasing as it was too pretty to spoil. On each of the other leaves I mounted one of the delicately colored scenes and put the book together again. This aunt is fond of changing the pictures on her wall frequently and this arrangement made it easy for her to utilize the pictures for wall adornment if she wished. In fancy she could travel for months to come through the pleasing scenes, such a contrast to the snowy landscape about her. Her delightful letter of thanks which came later on told how the gift helped to brighten many dreary hours for her.

Santa's Mail Box

A new way to distribute Christmas gifts is a Santa Claus mail box. Cover a long flat box with red crepe paper and fasten above it the words, Santa Claus's Mail. Hour for Delivery, 8 o'clock. Fasten the lid by a hinge of ribbon and place the box in a prominent place in the living room. In the morning the various members of the family find in the box holly envelopes containing directions telling where to hunt for their gifts.

Mrs. George P. Ernenwein, Verona Station, N. Y.

The Best Christmas Gift

The best Christmas gift is not a difficult matter to decide. Get out your bag of scraps; select a small piece of red velvet, or silk or cambric in any color you happen to have, and make it up into a tiny bag. Run a drawstring in the bag, fill the bag with cotton, and in the center place a piece of money, gold, silver or paper. Draw the string to close the bag and tie with a bow knot. The one who receives a gift of money is always pleased because there are no misfits, and no duplicates that must be exchanged.

John H. Brown.

Atchison, Kan.

A Man Speaks His Mind

If the ladies really wish to know what to give a man for Christmas and not go astray, let them give him suspenders—not alone the cerulean tinted ones, but good work-a-day ones that give with the movements of the body so when Mr. Man humps himself in life's grim battle he will not "bust off" a button and be forced to resort to the expedient of a shingle nail for the sustenance of his nether garments. My lifelong idea of riches, or, to strengthen the term if possible, opulence, is to possess a pair of suspenders for every pair of trousers in my wardrobe, and though ordinarily only a pair of pairs of "galuses" would be required to fill the bill, this ideal of wealth is still a dream unrealized. S. E. Burch.

R. 2, Americus, Kan.



For Your Home Made Xmas Candy

French Dainties, Marshmallows, Turkish Delight—these and many other wholesome candies make delightful Christmas gifts.

This recipe is for

KNOX YULETIDE DAINTIES

Soak 2 envelopes Knox Acidulated Gelatine in 1 cup cold water 5 minutes. Add 1 1/2 cups boiling water. When dissolved, add 4 cups granulated sugar and boil slowly for 15 minutes. Divide into 2 equal parts. When somewhat cooled, add to 1 part 1/4 teaspoonful of the Lemon Flavoring found in separate envelope, dissolved in 1 tablespoonful water, and 1 tablespoonful lemon extract. To the other part add 1/4 teaspoonful extract of cloves, and color with the pink color. Pour into shallow tins that have been dipped in cold water. Let stand over night; turn out and cut into squares. Roll in fine granulated or powdered sugar and let stand to crystallize. Vary by using different flavors and colors, and adding chopped nuts, dates or figs.

KNOX SPARKLING GELATINE

(It is Granulated)

makes Desserts, Salads, Puddings, Ice Cream, Ices and Candy. Dishes for every day—in every season.

Send for 1916 Edition of the Knox Recipe Book

It tells how to make them all. It is FREE for your grocer's name. Pint sample for 2c stamp and your grocer's name.

Chas. B. Knox Company, Inc.



Beacon Burner FREE

FITS YOUR OLD LAMP. 100 Candle Power Incandescent pure white light from (kerosene) coal oil. Beats either gas or electricity. COSTS ONLY 1 CENT FOR 6 HOURS. We want one person in each locality to whom we can refer new customers. Take advantage of our Special Offer to secure a Beacon Burner FREE. Write today. AGENTS WANTED.

HOME SUPPLY CO., 34 Home Bldg., Kansas City, Mo.

FREE FINE TONE

CORNET. To introduce our wonderful new system of teaching note music by mail. Violin, Guitar, Mandolin, Piano, Organ or Cornet. We give you a dandy instrument absolutely FREE and guarantee to make you a player or no charge; complete outfit FREE. Write at once. Special offer to first pupil. No obligation. SLINGLAND'S CORRESPONDENCE SCHOOL OF MUSIC, Dept. 90 Chicago, Ill.

BIRCH Car FREE to You!

Yes, it's a fact. You can get this superb 30 h.p. 8 - passenger BIRCH Motor Car with electric lights and starter, absolutely Free, and the agency for your territory, if your name reaches me soon enough. Make \$2,000 to \$10,000 a year in the automobile business. I will show you how. Get full information at once. Write quick—before too late. Address Ralph Birchard, Pres., BIRCH MOTOR COLLEGE, Inc., Dept. 1232 Tower Bldg., Chicago.

Veterinary Course at Home

\$1500 A YEAR and upwards can be made by taking our Veterinary course at home during spare time. Taught in simplest English. Diploma granted. Graduates assisted in getting locations or positions. Cost within reach of all. Satisfaction guaranteed. Write for particulars The London Veterinary Correspondence School Dept. 68, London, Ontario, Canada

HOME DRESSMAKING

These patterns may be had at 10 cents each from the Farmers Mail and Breeze.

Middy blouse No. 7517 is just the thing for school wear. It is cut in sizes 14, 16, 18 and 20 years.

Children's dress No. 7501 comes in sizes 4 to 10 years.



Skirt No. 7288 is cut in sizes 22 to 32 inches waist measure.

Girls' dress No. 7506 comes in sizes 8 to 14 years.

Misses dress No. 7495 is cut in sizes 14, 16, 18 and 20 years.

USE THIS COUPON FOR PATTERN ORDERS.

The Farmers Mail and Breeze, Pattern Department,
Topeka, Kan.
Dear Sir—Enclosed find.....cents,
for which send me the following patterns:

Pattern No..... Size.....
Pattern No..... Size.....
Pattern No..... Size.....

Name

Postoffice

State

R. F. D. or St. No.....

BE SURE TO GIVE NUMBER AND SIZE.

Sweets for Christmas

Plum pudding is the accepted dessert for the Christmas dinner. A favorite English recipe calls for 1½ cups of suet cut fine, 1 cup of sugar, ½ cup of dark molasses, ½ cup water in which has been dissolved 1 teaspoon of soda, 1 teaspoon of salt, 4 cups of finely ground bread crumbs, 2 cups of flour, 1 pound of seeded raisins, ½ pound of currants, ½ pound of finely cut citron, a ½-pint glass of plum or currant jelly, 4 eggs, 1 teaspoon each of ground cloves and allspice, 2 teaspoons of ground cinnamon, and 1 grated nutmeg. Put all the ingredients into a pan, mix thoroughly and pour into a buttered dish. Set in a kettle of boiling water and boil steadily for 6 hours. Serve with a sauce made from ½ pint of grape juice, 2 ounces of butter, ½ cup of sugar, 2 teaspoons of cornstarch stirred smooth in a little water, and 2 teaspoons of lemon extract. Bring to a boil and strain through a fine wire sieve. This pudding will serve about 16 persons. It may be kept on hand for several weeks the same as fruit cake.

Butter Scotch.

Three cups of white sugar, half a cup of water, half a cup of vinegar or half a tablespoon of cream of tartar, a tablespoon of butter and 8 drops of extract

of lemon. Boil without stirring until it will snap and break. Just before taking from the fire, add ¼ teaspoon of soda; pour into well buttered biscuit tins to the depth of ¼ inch. Mark off into inch squares when partly cold.

Bread Fruit Cake.

A delicious fruit cake is made with a foundation of 2 cups of sponge taken from the bread sponge when it is light and foamy. To it add 2 cups of brown sugar creamed with 1 cup of butter and 2 well beaten eggs. Beat well and add 1 teaspoon each of cinnamon, allspice, cloves and nutmeg and 1 teaspoon of soda dissolved in 3 teaspoons of water. Add flour to make of the usual fruit cake consistency and 2 cups of chopped and seeded raisins, ½ cup of chopped citron, and 1 cup of chopped figs. All the fruit should be dusted lightly with flour before adding to the batter. Nuts may be added if desired. Mix lightly and pour into buttered pans. Bake slowly in a moderate oven for 3 or 4 hours. There will be less danger of burning if the cake pan is set in a dripping pan of larger size while baking. Quick browning ruins the cake.

Fruit Cake Candy.

Women who make their own Christmas candies will find fruit cake candy a pleasing change from fudges and taffies. Mix 5 cups of white sugar with 2½ cups of water and let boil gently till the soft ball stage is reached. Remove from the stove, set the kettle in a pan of cold water and beat till the candy is creamy. Flavor with vanilla. Work into the cream ½ pound each of seeded raisins, dates and figs, all chopped fine, put into a deep pan and press down. When cold and firm cut into slices.

Sea Foam.

Put into a saucepan 3 cups of light brown sugar, 1 cup of water and 1 tablespoon of vinegar. Bring gradually to the boiling point and boil without stirring till a portion of the sirup dropped in cold water becomes hard but not brittle. Pour the hot sirup over the stiffly beaten whites of 2 eggs and when it begins to stiffen flavor with vanilla and add 1 cup of chopped nut meats. Continue beating till the candy is quite stiff, then pour into buttered pans and cut into squares.

Marshmallows.

Two cups of sugar and 1 cup of water. Boil together until the mixture is brittle when dropped into cold water. Dissolve 2 tablespoons of gelatine in 6 tablespoons of cold water; when the sirup is done pour it over the gelatine and beat for 20 minutes. Powder a deep cakepan with 3 teaspoons of powdered sugar and one of cornstarch, and let the candy stand in the powdered pan for a day or a night. Then cut out in squares and roll in more sugar and cornstarch.

Delicious Caramels

One cup of sugar, 1 cup of molasses, half a cup of butter, 1 tablespoon of vinegar, ½ teaspoon of soda. Stir all together, and boil slowly. When it hardens easily in cold water, it is done. Just before taking the mixture from the fire, add 1 tablespoon of vanilla. Pour in a buttered dish and cut in squares when cool.

Decorations for the Tree

A pretty decoration for Christmas which is so easily made that the little tots can do most of the work, is paper chains. Silver paper and blue paper make the prettiest. Cut the paper into 4-inch squares, then cut the squares into strips ¼ inch wide, and paste the ends of the little strips together, linking them as you go. Silver alone is very pretty, and alternate links of blue and silver give an attractive effect. The paper costs 5 cents a sheet so the expense of the decoration is small.

O Little Mother of Mine

Sometimes in the hush of the evening hour
When the shadows creep from the West,
I think of the twilight songs you sang
And the boy you lulled to rest:
The wee little boy with the touselled head,
That long, long ago was thine;
I wonder if sometimes you long for that boy,
O little mother of mine!
And now he has come to man's estate,
Grown stalwart in body and strong,
And you'd hardly know that he was the lad
Whom you lulled with your slumber song.
The years have altered the form and the life,
But his heart is unchanged by time,
And still he is only the boy as of old,
O little mother of mine!

—Walter H. Brown.

Large Trial Can of Rumford THE WHOLESOME BAKING POWDER

This offer is made to farmers' wives and daughters, who strive to get the best results from their baking—who wish to save the loss of good materials—who know the health value of light, wholesome cake, biscuit and bread, and—who want to make the most of their skill and knowledge of baking.

For 4c. in Stamps

mailed to us with your name and address, we will send you a liberal trial can of Rumford Baking Powder, postpaid. And if you will mention the name of this paper, we will include a free copy of the famous "Rumford Dainties and Household Helps."

RUMFORD CHEMICAL WORKS, Dept. 10 Providence, R. I.



Long Wearing and Comfortable Too

Elephant Head Rubber Boots are made of highest quality material by the most expert workmen. They are triple reinforced at every seam and joint. This makes them the longest wearing rubber boots, because they are made right, and lined right. Elephant Head Rubber Boots are famed for comfort. Made in all lengths. Sold by square dealers.

WOONSOCKET RUBBER CO., Woonsocket, R. I.



WOONSOCKET ELEPHANT HEAD RUBBER BOOTS

Would You Work For \$3.50 An Hour?

A WOMAN said that it was foolish to waste time making soap at home when it could be bought so cheaply at any store. Another woman replied to her in the columns of the *Chicago Daily News* as follows:

"She and housekeepers like her keep prices high and times hard. Let me, from fifteen years' experience, relate the real facts in regard to soap making:

"For 50 cents' worth of lye (six cans) and ninety minutes' time each year, I make more than 100 cakes of clean, hard soap that compares favorably in color, odor and efficiency with soaps that cost 7 cents a cake or 80 cents a dozen on sale."

"Therefore, my Scotch economy has saved at least \$7 a year at a cost of less than two hours' time and 50c for lye.

"Francis — may value her time at more than \$3.50 an hour, but the average homemaker shouldn't!"

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Mr. Rabbit Meets a Stranger

The Little Lost Kitten Wished to be a Christmas Present

BY DAISY D. PLYMPTON
From the Happy Forest

ONE COLD winter day Mr. Rabbit was leaping through the woods. The snow had fallen in big flakes, all morning, and the ground had a thick covering of white; but the Rabbit did not mind the snow, or cold for his fur was thick and long. All at once he stopped short, sat up straight and listened with his long ears. He was certain he heard a strange sound.

"Mew! mew!" there came a voice from the other side of the log. Mr. Rabbit was frightened for he did not know any creature in the forest that said mew when it cried. Just then came the cry again. It sounded so sad that he hopped to the other side of the log as fast as he could.

There in the deep snow stood a small gray kitten, that held up one foot as though it was hurt. Mr. Rabbit had never met a kitten before, for kittens do not live in the woods, but he was not afraid of anything so small. "Good day," said he, "I heard you calling so I came to see what was the matter,"

"Oh, please Sir," said the kitten, "the snow has grown so deep that I can't walk. How do you go so fast?"

"I hop," said the Rabbit; "did you not know that rabbits do not walk, but hop? Here," he added, jumping on the log, "come up here!"

The kitten scrambled through the snow with all her might. She was very tired and the log looked high. At last she crawled up beside Mr. Rabbit, quite out of breath.

"Well! well!" said Mr. Rabbit, "how very small and young you are. I should think it wouldn't be safe for a little creature like you to be alone in this snowy weather. Do you live in these woods? Shall I help you home?"

"No thank you, Sir," said the Kitten, "I have no home."

"What, you have no home!" exclaimed Mr. Rabbit. "Do you mean to say you are lost?"

"I don't know," said the Kitten. "Where have you started to go?" asked Mr. Rabbit.

"I don't know where it is that I ought to go," said the Kitten, "but I am afraid, that if I am not near the place now, that I must be lost, for I've come a long, long way."

"Dear! Dear!" said Mr. Rabbit, "this is very strange. May I ask what kind of a creature you are?"

"Oh, do you not know?" she asked in surprise. "I am a kitten."

"Indeed!" said Mr. Rabbit. "I think I never saw a kitten. Where did you come from?"

"I lived with my two brothers, in a place very far off," the Kitten said, "in a thing my mother called a shed."

"Why did you leave?" asked Mr. Rabbit.

"I had to come away," said the Kitten, "there was a wind one day and pieces of shed fell all around our heads. My Mother told us to run, and I ran fast till I couldn't breathe; then I found that I was left from the others. I searched and called but I could not find them, and I have been by myself ever since, and I'm very hungry."

"That is very sad, indeed," said Mr. Rabbit. "And now may I ask what are you going to do?"

"I want to be a Christmas present," said the gray creature, shivering.

"A Christmas present!" repeated Mr. Rabbit, "what kind of an animal is that?"

"I don't know exactly, Sir," the kitten replied, "but my grandmother was one, and it's something very nice. My mother often said to us, that we were to remember to be very good, and always keep our fur clean, because we were not common kittens, for our grandmother was a Christmas present!"

"But you are a kitten," said Mr. Rabbit; "how can you change into anything else?"

"I don't know," said the creature, "but I think I can be a Christmas present for my grandmother was one."

"Why did you come into the Forest?" Mr. Rabbit asked after a moment.

"Because a squirrel I met said that Chippie Squirrel had once spoken to him about a Christmas tree and maybe I could learn something about Christmas presents from her. Perhaps you know Chippie Squirrel?"

"Oh, yes," said Mr. Rabbit, "I know her. 'Maybe a Christmas present comes on a Christmas tree?'"

"My Grandmother didn't. They have someone to love them, plenty to eat and a warm place to sleep. And mother said they have their fur smoothed till they purr."

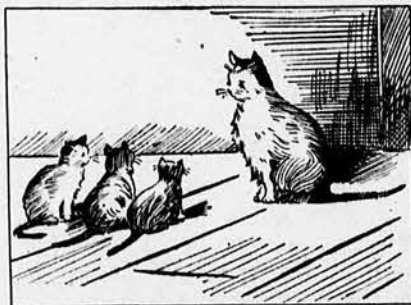
"That would be a fine way to live," said Mr. Rabbit. "Have you any idea of what it is to purr?"

"My mother said," answered the kitten, "that it is a sound you make when you are happy—something like a bee. I have not done it yet, although I tried it several times yesterday."

"Are you sure you can when the time comes?" asked Mr. Rabbit.

"I don't know," said the Kitten. "Sometimes I fear I shan't be able to; but sometimes I have a feeling that there is a purr way down inside me, and when I am a Christmas present it will come of itself."

"I see you are lame," said Mr. Rabbit, as he noticed her standing on three feet. "You probably have a thorn in your foot. We'll go first to



She said Grandmother was a Christmas Present.

Mr. Woodpecker and he'll pull it out for you, and perhaps we will meet Chippie Squirrel."

As they went further into the woods, they heard Mr. Woodpecker at work. Sure enough there he was, clinging on the trunk of an old maple, pecking the bark with his sharp bill.

"Good Day, Mr. Woodpecker," said Mr. Rabbit.

"Good Day, Mr. Rabbit," said he. "What can I do for you?"

"I have brought a stranger who needs your help," said Mr. Rabbit. "She has lamed herself as you will see, if you notice how she steps."

"Thorns?" inquired Mr. Woodpecker. "Let me see the foot." The kitten put her paw on the tree beside him.

"Not afraid of being hurt?" asked Mr. Woodpecker.

"No," said the kitten, "I'd be ashamed of that. My grandmother was a Christmas present."

"Then I suppose you are a Christmas present," said he, looking carefully at the lame paw.

"Oh, no," said she, "I mean to be one if I can, but now I am only a kitten."

"That's curious," said Mr. Woodpecker. "Now my grandmother was a woodpecker just like me, and Mr. Rabbit's grandmother was a rabbit, and I suppose Mr. Crow's grandmother was a crow. Which was your grandmother, a kitten or a Christmas present?"

Suddenly they were stopped by a voice from behind. "Hi, Kitten! Wait a moment! I've been looking for you!" It was Chippie Squirrel. "I've something to tell you," she cried, as she reached the tree overhead and came running down the trunk.

"To tell me?" said the kitten.

"Yes, a squirrel friend told me about you. I know a little about Christmas presents, and maybe I can help you. They come only one day in the year, Mr. Crow told me. Sometimes they come on a tree and sometimes they come in stockings—the way the little Bear Brothers have them, you know, Mr. Woodpecker. But Mr. Crow has never heard of anyone being a Christmas present; neither have I. Don't you mean you want to have one?"

"No," said the Kitten. "I want to be one. Do you know whether the right day in the year is a long way off?"

"That's the best part of what I wished to tell you," said Chippie Squirrel. "The day of Christmas presents is tomorrow."

[To be concluded in the next issue.]

Farm Paper Service Worth While

"The first ideal toward which a properly edited farm paper should strive," said a speaker in Chicago, a few days ago, "is service to its readers."

We wonder sometimes, if our friends, long accustomed to a well-balanced ration of intellectual entertainment, realize how very complete this service is in the Farmers Mail and Breeze. Look at the issue of December 11: An excellent discussion of the possibilities of irrigation in Kansas, printed at a time when farmers have the leisure to consider the subject carefully; two pages from Tom McNeal, by long odds the most popular writer in the Middle West—two pages of live discussion originated by the readers themselves, and participated in by Mr. McNeal merely as arbitrator or leader; several timely pieces about winter work on the farms; Harley Hatch's readable, useful items written on the farm; several articles for farmers interested in hogs and hog shelters; an educational article on good roads; two columns of inventions interesting to farmers; six columns of exclusive material for the women and children, especially prepared for Christmas readers; an excellent poem—one in every issue; an article on building improvements; an important article for poultrymen, giving the best balanced ration for egg production; a first class serial story by Hamlin Garland, not yet printed in book form; a weekly outline and "helps" for the Sunday school lesson for December 19, printed exclusively in this paper; an adequate crop report, and a review of the week's markets.

What farm paper has more successful contests for the boys and girls of its big family—corn contests, tomato clubs, kafir contests, and the Capper Pig Club! In this club Mr. Capper supplies the money to start the boys in business for themselves, takes their personal notes—not signed by parents or other persons—and gives them a year in which to make good. Isn't this service? Doesn't it get close to the grass roots?

What better service could a farm paper give? And it is going to be improved right along. Indeed something is done every month to strengthen the tie of friendship between paper and patrons. As an example, for November we printed the Farmers Mail and Breeze Veterinary Book. This contains the answers to questions asked in the last 10 or 12 months regarding the ailments of livestock. We have printed a complete condensation, in simple language, of all state laws interesting to farmers. We have given a special series covering the road laws. We have had, and intend to continue, an exclusive series on the building of good roads—roads every farmer can afford to build. In addition to all these things we have maintained a Service Department in which we have prepared plans and specifications and bills for those intending to build barns, homes or other structures. And through all the activities in which we take so much pleasure and pride, we have refrained from obtruding tiresome advice. Instead we have reported results. "Service" is the word above the door. We are here to make it good. Come in.

Dislocation of the Stifle

I have a mare 2 years old that stands with her hind legs under her more than any other horse. She was kicked on the side of the knee joint of one of her hind legs. This is well healed. At any time she is likely to get a catch in one of her hind legs, and drag it. When she does bring the leg forward it pops in the stifle joint, and then she is all right for a while.

Rice County, Kansas.

F. R.

I am satisfied that your mare is affected with the condition known as temporary or recurrent dislocation of the stifle. As soon as the stifle slips out of place the animal drags the toe and cannot carry the limb forward. Then when you hear a popping sound the stifle regains its proper position and the animal can walk without any difficulty.

Treatment frequently is unsuccessful, especially after the condition has existed for some time, because the ligaments ordinarily holding the stifle in position are relaxed to such an extent that it is impossible to bring them back to a normal degree of tension. The best thing that you can do is to place the animal in a narrow single stall, clip the hair short over the affected stifle, and apply a blister consisting of 1 part of red iodide of mercury, 1 part of powdered Spanish flies, and 6 parts of vaseline. This is to be rubbed in the affected stifle very thoroughly and by brisk friction which should take at least 15 minutes. In 24 hours the blister is to be washed out thoroughly with soap and water, and vaseline or unsalted lard applied to the blistered area. In a week's

time the blistering process is to be repeated. This is to be kept up for eight weeks, and in this time the animal should not be moved out of the single stall and it should be so tied that it cannot lie down. The blistering simply makes the leg sore so that the animal will not move it, and it is possible that an eight weeks' period of enforced rest will permit the ligaments to contract so that the stifle will be held permanently in its proper position.

Dr. R. R. Dykstra.

Kansas State Agricultural College.

About the Polled Durhams

Can the progeny of Polled Durham and Shorthorn crosses be registered in the Polled Register, in case the Shorthorn was not a double standard? When was the Polled Register established, and where did the breed originate?

A. B. McC.

Hawatha, Kan.

The progeny of the mating of a registered Polled Durham bull and a Shorthorn cow can be registered in the Polled Durham Herd book if the calf from such mating does not produce horns or scurs. This statement, of course, assumes that the Shorthorn is purebred and registered and not a grade.

The Polled Durham association was organized in November, 1889, and was incorporated in 1890. The first Polled Durham Herd book was published in 1898. The breed originated in Ohio.

W. A. Cochel.

Kansas State Agricultural College.

We'll Answer Tractor Questions

If you own a farm tractor or are thinking of getting one you will be glad to get disinterested answers to the questions you wish to ask. The Farmers Mail and Breeze has arranged to get any information you desire and to help you in any way with your tractor troubles, if you have any. Naturally, we do not care to advise you in selecting such a machine. This is a point you must decide for yourself; but we can tell you what to do and how to do it, and just how to get the best service from any tractor you buy. Address your letter to The Tractor Editor, The Farmers Mail and Breeze, Topeka, Kan.



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About the Inner Tubes

If tire users understood the construction of inner tubes, and things which contribute to their wearing out, it would be easy, indeed, to get more and better service. Spare tubes should not be carried in cardboard boxes supplied from the dealers' shelves—there is danger of the tubes being chafed. Tube bags can be secured for this purpose.

If the car is equipped with smaller tires on the front wheels than on the rear wheels, an extra tube should be secured for each size.

The cross sections of inner tubes are made a little smaller than the normal air space inside the cases. It is not advisable to use a $4\frac{1}{2}$ inch tube in a 4 inch case. This usually wrinkles and creases the rubber, with bad results. Do not use a 4 inch tube in a $4\frac{1}{2}$ inch case for any length of time. When this is done the rubber is required to stretch too much and the effect of heat and action due to displacement of air in the tire quickly uses up the nerve and life of the tube.

If put into usage for which it is not designed, the tube will not, as a usual thing, render efficient service. If it were practical to use one size of tube in another size of case, tire manufacturers could effect a big saving in equipment and make only a few sizes of tubes.

Lubrication is most important to the conservation of the tube, but it is a matter that is given least attention. Practically all tire manufacturers treat the inside of cases with a white solution to prevent tubes from sticking to the adhesive "friction" of the fabric—a good lubricant, however, should also be used.

Some customers neglect dusting soapstone inside of the case when changing a tube—others use the soapstone so sparingly that it does but little, if any, good, or they may use so much that it does more harm than good. If a quantity of it is dumped into the case it will collect at one point, and during the hot weather it will heat up to such an extent as to burn the rubber of the tube, making it very thin, brittle and lifeless; this can be recognized by the honey-combed appearance. Soapstone is the lubricant most used for tires and it is quite satisfactory, but not lasting; therefore a fresh supply should be put into the tires at least two or three times during the season. Powdered mica is a more durable lubricant than soapstone and quite as effective as graphite, as well as more pleasant to handle.

The lubricant should be dusted on the fabric all around the case, and on the inner tube.

Horse Breeders Will Meet

The Kansas Horse Breeders' association will hold its annual meeting at Manhattan, Kan., Wednesday, December 29. Every man in Kansas who is raising horses should be present. A practical and interesting program has been arranged. Special classes in judging for men will be conducted by one of the best judges of draft horses in America. Men of experience will discuss various phases of breeding, feeding, and handling horses. Everyone will be interested in the facts that will be presented showing the actual conditions of the horse industry in Europe and the probable effects on the future American horse market. Stallion owners are especially urged to be present, as action will be taken upon a matter of particular importance to them.

If you are interested in the success of your business you will be present.
C. W. McCampbell, Secretary.
Manhattan, Kan.

An Intelligent Child

A large map was spread upon the wall and the teacher was instructing the class in geography.

"Horace," she said to a small pupil, "when you stand in Europe facing the north you have on your right hand the great continent of Asia. What have you on your left hand?"

"A wart," replied Horace, "but I can't help it, teacher."

Remember that the dust bath is essential to the healthfulness of fowls, especially of the chicken kind; hence facilities for a dust bath always should be provided. A liberal supply of ashes in the bath makes it better, and if lice or mites are feared, pulverized sulphur may be mixed in it to great advantage.



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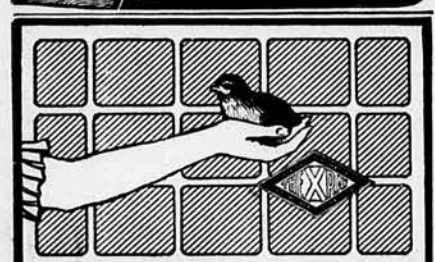
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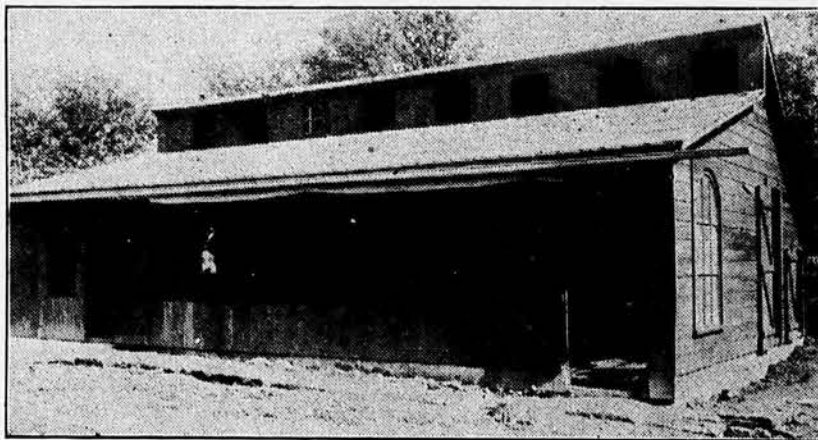
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Essentials For Winter Eggs

Comfortable Houses and Good Feed Increase the Egg Supply

BY A. BOLLENBACH



YOU CAN'T get winter eggs if your hens are roosting in the tree tops or in over-crowded, poorly ventilated filthy houses. Do you know that a hen often has more sense than her keeper? If you find that it is difficult to get the hens to roost in the chicken house you may know there is something wrong with the sleeping quarters that you are trying to have them adopt. Last summer my pullets got to taking to the trees and I left them strictly alone because I knew they had outgrown their coops and I did not have sufficient roosts in the hen house.

This fall however, I put up a few more roosts in the hen house and commenced to drive them in every night, but there was no use, they just wouldn't be weaned away from the trees. I knew my hen house was a little too small and the enlarging of it had been put off from time to time. About two weeks ago however, I got it finished with plenty of roosts and ventilation and do you know that those hens and pullets needed but little coaxing to put up for their night's lodging on the new roosts. No more trees for them. The roosts were more comfortable and they knew it mighty quick. While I had plenty of roosts in the old hen house, it was simply too small and close for them and the air would soon become foul from their breath and droppings and the room would become hot and stuffy in spite of the fact that about one-third of the south front was open. Few people realize how much ventilation it takes to keep a hen house containing 50 to 60 hens supplied with fresh air during the night. It matters not how much the south wind blows, even with one-half of the south front open if you step into the back end of the chicken house where the roosts are you will not notice the breeze, provided the other walls are fairly tight, and they must be to prevent a draft. It is necessary to have a big part of the south front open to get sufficient air for your birds in the back end. If you don't believe it just step into your hen house some night and get a whiff of the foul air that greets you.

Comfortable Quarters.

If you want eggs this winter don't fail to fix up the hen house and have it roomy and comfortable. Make the roof water tight, close the cracks and holes in the north, west, and east walls, knock about half of the south front out and cover it with one-inch mesh poultry netting. This is necessary to confine your birds and keep out sparrows and other marauders. Unless you have a cement or a wooden floor in your poultry house you should also dig a trench about 12 inches deep around it, fit in some boards or tin which will prevent the rats from digging into your hen house. About the only time you ever need muslin or burlap curtains over the netting is when rain or snow is blowing from the south. It is best not to put more than 5 hens into the one house but the usual hen house on the farm has from 100 to 300 and but little sunshine or ventilation from the south.

If you want eggs in the winter time don't let the hens wade around in the snow or even on cold, wet ground. Keep them in the poultry house on such days and throw their grain into the scratching litter every morning. This makes them keep busy and warm if the litter is deep enough. Take a fork and stir

it up a little after throwing in the grain. Keep a good dry mash before them all the time and at night feed them a warm mash of bran, shorts, alfalfa leaves, beef scraps and table scraps. In fact the greater variety, the better.

Clemson Egg Mash.

One of the best and cheapest dry mashes for the farmer and one that will serve as a pretty fair substitute for beef scraps and milk, is the Clemson egg mash. This mash was given to the South Carolina farmers by the poultry husbandman of Clemson college. It has increased steadily in popularity and those who have used it have reported most satisfactory results. It requires plenty of good feed to make hens lay in cold weather. It is believed by many that there is nothing better for this purpose than the following Clemson egg mash:

Cottonseed meal	100 pounds
Ground oats	50 pounds
Wheat bran	50 pounds
Wheat shorts	50 pounds
Ground lime rock	16 pounds
Ground charcoal	12 pounds
Salt	2 pounds

Keep this mash in the poultry house before the hens all the time. Use a covered box with slats or a hopper so that the hens cannot soil or waste the mash. When the mash is fed dry the hens consume gradually as nature intended. The ground lime rock is fertilizer lime and not the burnt lime used in whitewashing. In case the lime cannot be secured, oyster shell may take its place. The ground charcoal may be left out if it cannot be readily obtained but always add the salt.

Cottonseed meal is the cheapest and richest protein feed that is obtainable and it is said by many who use it that it is a good substitute for beef scrap and skimmilk. Of course where meat scraps, rabbits and skimmilk can be obtained, it would be advisable also to feed some of these for a change and for the sake of variety. Now is the time to feed your hen all of the good things you can find and to get her started to laying before the weather grows too cold. If started once she will keep laying all winter when properly taken care of. If you can't get her started before the cold weather sets in there isn't much use in trying later.

The culling of your pullets should have been done some time ago and if your hens were not culled carefully last year, look them over carefully now. The main thing to keep in mind is vitality, and the following are the main points indicating vitality and vigor. The head must be short, broad and deep and if you compare heads in your flock for a few minutes you will always be able to pick out the head that you know denotes vitality. The head should be short and stout. The beak must be short, stout and broad and well curved. The eyes of the vigorous, healthy bird are bright, full, round and prominent. The comb and wattles should be bright red and of good size, full of health and vigor, as compared with the pale, flabby, undersized comb and wattles of the fowl lacking in vitality. The body of the bird should be well jointed and form a compact, stout individual. The back should be long and broad, carrying its width well out toward the end, according to the characteristics of the breed. The breast should be deep and broad with a long keel extending well back.

(Continued on Page 27.)

ADVERTISEMENT.

The Cause of Roup

Roup is a germ disease thought by some to be caused by the *Bacillus Avi-septicus*; very infectious and usually transmitted by exposure to infected birds or to coops, roosts and yards where roup birds have been. Birds suffering from colds and exposure are more susceptible and to guard against roup, you should use tonics and preventives, which not only tend to prevent this dread disease but help to keep the birds in the pink of condition and working overtime on the egg basket.

How to Prevent Roup

Dear Sir: Last winter I had 150 hens with the Roup and had lost 27 when I saw Walker's Walko Remedy recommended for this disease. I sent 50c (M.O.) to the Walker Remedy Co., L. 22 Waterloo, Iowa, (formerly located at Lamoni, Iowa) for a box, postpaid, and will say that it cured all that had the Roup and has kept the disease away ever since. I never had hens do better than last winter and everyone knows what an awful hard winter it was on chickens. They have been healthier and have laid better ever since using this medicine. Mrs. Henry Farmer, Jerseyville, Ill.

Don't Wait

Don't wait till Roup gets half or two-thirds your flock. Don't let it get started. Write today. Let us prove to you that Walko will prevent Roup. Send for a 50c box on our guarantee. Money back if not satisfied. Walker Remedy Co., L. 22, Waterloo, Iowa.—Advertisement.

LEE'S LICE KILLER kills mites, lice, bedbugs, etc.; also body lice on chickens, without dusting, dipping, greasing or handling. Simply sprayed or painted on roosts, etc. Clean up now. More eggs in winter; better chicks in spring. Sold by dealers. Full particulars free.
GEO. H. LEE CO., 215 Lee Bldg., Omaha, Neb.

Latest Book "Profitable Poultry," first published 1914; 144 pages; \$10 beautiful pictures; complete volume; how to succeed with Poultry; describes busy Poultry Farm with 53 varieties of pure-bred birds. Gives lowest prices on fowls, eggs, incubators, grain sprouters, etc. This book 5 cents. **Berry's Poultry Farm, Box 37, Clarinda, Iowa**

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Portable Elevator Mfg. Co., 214 McGinn Street, Chicago, Ill.

Cows that are Put to the Test

Dickinson County Association Shows a Steady Improvement in Quality of Stock

THE first, and probably the strongest, Kansas association for the testing of dairy cows, is the Dickinson County Cow Testing association. The report for November, signed by the official tester of the organization, shows that one cow produced more than 80 pounds of butter in the month. A list of names is given of cows that produced more than 40 pounds of butter in the month.

It is evident that the quality of cows kept by the members of the Dickinson County Cow Testing association, is improving. That is, of course, the object of the association. Surely it is not more

than a year ago that the official reports were being made out for cows that produced at least 30 pounds of butter in a month, and there were fewer cows in the 30-pound class then, than are in the 40-pound class now. The men in this organization have disposed of cows that did not show a reasonable profit. They have proved to their own satisfaction that their profits are greater if they have better stock, and give it better care. Here is the report for November, signed by A. B. Wilcox, secretary, and Charles C. Wilson, official tester.

The following table gives the names and records of the cows in the association which have produced more than 40 pounds of butter in the period of 30 days ending November 30, 1915.

Owner of cow.	Name of cow.	Breed of cow.	Pounds milk.	Per cent of fat.	Pounds butter.
A. B. Wilcox.....	Pauline.....	Holstein.....	1650	4	82.5
E. S. Engle & Son.....	Fairy.....	Holstein.....	1437	4	71.85
E. S. Engle & Son.....	Josephine.....	Holstein.....	1206	3.3	49.74
E. S. Engle & Son.....	Boss.....	Holstein.....	1359	4	67.95
E. S. Engle & Son.....	Nellie.....	Holstein.....	1104	3.9	53.82
E. S. Engle & Son.....	Polly.....	Holstein.....	1473	3.3	60.76
E. S. Engle & Son.....	Fannie.....	Holstein.....	1077	3.8	51.15
E. S. Engle & Son.....	Lady.....	Holstein.....	993	3.8	47.16
E. S. Engle & Son.....	Minnie.....	Holstein.....	1278	4.1	65.49
E. S. Engle & Son.....	Mollie.....	Holstein.....	1518	2.9	55.02
E. S. Engle & Son.....	Lasty.....	Holstein.....	1287	3.3	53.08
E. S. Engle & Son.....	Topsy.....	Holstein.....	1206	3.3	49.74
E. S. Engle & Son.....	Betsy.....	Holstein.....	1029	3.9	50.16
E. S. Engle & Son.....	Ruby.....	Holstein.....	1398	3.6	62.91
E. S. Engle & Son.....	Calie.....	Holstein.....	1122	3.8	53.29
E. S. Engle & Son.....	Jane.....	Holstein.....	915	3.8	43.46
E. S. Engle & Son.....	Daisy.....	Holstein.....	1287	3.2	51.48
E. S. Engle & Son.....	Johanna.....	Holstein.....	1347	3.2	53.88
E. S. Engle & Son.....	Bobby.....	Holstein.....	1215	4.5	68.34
E. S. Engle & Son.....	Sadie.....	Holstein.....	906	4	45.30
E. S. Engle & Son.....	Whitely.....	Holstein.....	1050	4.1	53.81
E. S. Engle & Son.....	Kate.....	Holstein.....	864	5.2	56.16
E. S. Engle & Son.....	Dolly.....	Holstein.....	1041	3.9	50.74
E. S. Engle & Son.....	Irene.....	Holstein.....	1278	3.6	57.51
E. S. Engle & Son.....	Mable.....	Holstein.....	1152	4.2	60.48
E. S. Engle & Son.....	Cameola.....	Holstein.....	1185	4.4	65.17
George Lenhart.....	Dina.....	Holstein.....	1254	3.5	54.86
George Lenhart.....	Boss.....	Holstein.....	1164	3.4	49.47
George Lenhart.....	Sall.....	Holstein.....	1176	3.5	51.45
George Lenhart.....	Jane.....	Holstein.....	1392	3.1	53.94
George Lenhart.....	Queen.....	Holstein.....	1209	3	45.33
George Lenhart.....	Daisy.....	Holstein.....	1095	3.5	47.9
George Lenhart.....	Johanna.....	Holstein.....	1140	3.1	44.17
George Lenhart.....	Pet.....	Holstein.....	960	3.6	43.2
George Lenhart.....	Lilly.....	Holstein.....	1365	3.7	63.13
D. S. Engle.....	Topsy.....	Holstein.....	942	3.9	45.92
D. S. Engle.....	Star.....	Holstein.....	1017	3.3	41.95
D. S. Engle.....	Bess.....	Holstein.....	909	3.5	43.7
L. L. Engle.....	Daisy.....	Holstein.....	1074	3.5	46.98
L. L. Engle.....	Peggy.....	Holstein.....	984	3.5	43.05
L. L. Engle.....	Whitely.....	Holstein.....	1164	3.3	48.01
L. L. Engle.....	Biddy.....	Holstein.....	984	3.4	41.82
L. L. Engle.....	Sally.....	Holstein.....	1047	4.5	58.89
L. L. Engle.....	Blue.....	Holstein.....	1185	4	59.25
L. L. Engle.....	Cherry.....	Holstein.....	876	4.5	49.27
E. N. Stites.....	Blossom.....	Holstein.....	1041	4	52
J. F. Eisenhower.....	Spinster.....	Jersey.....	888	3.9	43.29
J. F. Eisenhower.....	Fox.....	Jersey.....	600	5.8	43.5
J. F. Eisenhower.....	Alberta.....	Jersey.....	804	4.1	41.2
J. F. Eisenhower.....	Rose.....	Jersey.....	921	4.4	46.65
John T. Leshner.....	Brownie.....	Shorthorn.....	966	4	48.3
Henry Altman.....	Star.....	Shorthorn.....	912	3.7	42.38
E. N. Farhman.....	Boss.....	Shorthorn.....	891	4.3	47.89

Where Milking Is Pleasure

BY H. M. COTTRELL.

The one great drawback to dairying is the labor problem. Cows must be milked twice a day seven days every week throughout the year. Each cow must be milked at the same hour every morning and at exactly the same time every evening throughout her year's milking period. A deviation of half an hour from the usual time of milking cuts down the yield and the profits. A change of milker reduces the yield so that in dairying, unlike all other kinds of farm work, one man cannot relieve another even for a single day's vacation without causing a loss.

Profitable dairying requires that the same man milk the same cows twice a day, seven days a week, 52 weeks a year and year after year as long as the business is followed. Men looking for employment on farms have therefore avoided the dairy farms and gone to others where, though the work might be harder, there could be an occasional holiday. Each year it has been found more difficult to get satisfactory help on dairy farms and skilled dairymen who knew how to make large profits from a cow often found it unsafe to increase the herd much beyond the number of cows that the family could milk.

Recently efficient milking machines have been put on the market at a low cost. Where they are used, the labor difficulties of dairying have vanished. A milking machine with which one attendant can milk 20 to 25 cows an hour can be bought and installed for \$200, exclusive of power. A one-horsepower gasoline motor supplies ample power to run it. The machines are so simple that any man or boy, who can run a mowing

machine, can operate them and keep them in repair. The cows give as much milk as when milked by hand. The milk yield is not reduced, no matter how

To spend the proposed 450 million dollars for "preparedness" means to place an added invisible tax of \$20 a year, and interest, on every home, on every wage earner, on every bread winner, on every head of a family in the United States. It means that the people of this nation, whose government is now running behind at the rate of 100 million dollars a year, will not only be compelled to pay the big financiers the interest on this huge fund for an armament pork barrel, but will be compelled to supply employment for the war-munition factories of these financiers when their orders from Europe cease. That is about all there is to the howl for "preparedness."

often the operator is changed, because the machine milks the cows and not the operator.

My Friend

He was my friend. He understood All the vagaries of my mood. Say I was joyous, he was gay; If sad, he felt the selfsame way. He held, with trusty common-sense, All that I told, in confidence. He died. And now I look around, But such a friend is seldom found. I miss his kindly presence, yet A dog like that is hard to get! —Eldredge Denison in Judge.

Why Do Dairy Cows Run Down?

No other farm animal is the cause of so much anxiety to the owner as his dairy cows; sickness gets in in spite of the best of care.



Why?

Because the dairy cow is subjected to constant forcing to get the maximum in quantity and quality of the milk yield.

This constant strain proves too much for many a good cow; some important function becomes impaired and for want of proper medical assistance she becomes a "backward" cow. In just such cases as these Kow-Kure has made its reputation for success when used to

Raise the Health Standard

of the herd. Kow-Kure is a medicine for cows only—not a stock food. It has wonderful medicinal qualities that act on the organs of production and reproduction for the prevention or cure of many serious cow ailments. It is especially useful in cases of Abortion, Barrenness, Milk Fever, Scouring, Lost Appetite, Bunches, Retained Afterbirth, etc. Farmers who have used it keep Kow-Kure on hand constantly. Most feed dealers and druggists sell it.

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FORD CAR MAINTENANCE

*Results of an investigation among Ford owners.
Common problems discussed.*

"To what can I trace faulty valve action?"
Answer: Due almost invariably to carbon deposit. Ford owners who use Gargoyle Mobiloil "E" are remarkably free from this trouble unless the valves are out of adjustment.

"What causes power irregularities?"
Answer: Faulty carburetor adjustment is of course a common cause. But a frequent cause, too, is incorrect lubricating oil. The body of Gargoyle Mobiloil "E" correctly seals the Ford piston clearance, conserving the full force of the gas explosion for the turning of the rear wheels.

"Why does my motor pre-ignite?"
Answer: In the great majority of cases, this trouble is due to hard carbon deposit on the cylinder heads. The carbon grows red hot from the continued heat of explosion. It then fires the gas charge prematurely.

Pre-ignition trouble is rare among motorists who use Gargoyle Mobiloil "E." Of course, no petroleum-base oil will burn without leaving carbon, but the slight carbon of Gargoyle Mobiloil "E" is a light, dry soot. It expels naturally through the engine exhaust.

"Why do my spark plugs foul?"
Answer: This trouble is caused by (1) faulty carburetion; (2) too high an oil level; (3) incorrect lubricating oil. If you are troubled with fouled spark plugs first see that your oil level is correct and your carburetor properly adjusted. Then look to your lubricating oil.

If the body is too light it works in excess quantities past your piston rings into the combustion chambers. In burning it leaves carbon on the spark plugs.

If too heavy it will fail to reach all friction points.

As the body of Gargoyle Mobiloil "E" is scientifically correct for the Ford piston clearance, fouled spark plugs are infrequent among Ford owners who use this oil.

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Mobil oils
A grade for each type of motor

In buying Gargoyle Mobil oils from your dealer, it is safest to purchase in original packages. Look for the red Gargoyle on the container. For information, kindly address any inquiry to our nearest office.

Stationary and Portable Engines

Your oil must meet the heat conditions in your engine. Many oils thin out too much under engine-heat. Three troubles result: (1) Compression escapes and power is lost. (2) The cylinder walls are exposed to friction. (3) Excess carbon is deposited. The oils specified below will prove efficient.

Water-cooled engines—Use Gargoyle Mobiloil "A" in summer; use Gargoyle Mobiloil "Arctic" in winter. **Air-cooled engines**—Use Gargoyle Mobiloil "B" the year 'round.

Tractors

The design of your engine must determine the correct oil. Send for booklet containing Gargoyle Mobil oils Chart of Recommendations for tractors.

Mobilubricant—In the patented Handy Package. The correct grease for transmissions, differentials and compression cups of automobiles. The spout fits the filling plug opening of the Ford and all other cars. Mobilubricant is just the thing for farm machinery. Simply turn the key. No dirt, no waste, no trouble.

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Specialists in the manufacture of high-grade lubricants for every class of machinery. Obtainable everywhere in the world.

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The Forester's Daughter

A Romance of the Forest Service in Colorado

BY HAMLIN GARLAND

(Copyright, 1915, by Hamlin Garland.)

Wayland Norcross, son of a wealthy lumberman in an eastern state, goes to Colorado in search of health. At Bear Tooth he meets Berrie, the pretty daughter of Joseph McFarlane, forest supervisor, who becomes his fellow passenger in the stage coach for a day. Berrie is greeted by her lover, Cliff Belden, a cowboy, supposed to be interested in a saloon at Meeker's Mill, where Norcross is bound. There is a rough element at Meeker's, and Norcross chooses Landon, the ranger, as his companion. Landon loves Berrie. Cliff notices Berrie's interest in the tenderfoot and warns him away. He also takes his betrothed to task. She resents this and breaks their engagement. Nash, the ranger at Bear Tooth, gives Wayland points on forestry. Berrie's father offers him a place in the service. He and Norcross start through the mountains, accompanied by Berrie. They make camp when Wayland is nearly exhausted. The supervisor goes after the horses which have wandered off. He is detained. Norcross arranges to sleep outside and Berrie inside a tent. The supervisor doesn't return. They break camp. Wayland is used up on the trail. They reach the empty cabin of Tony, a ranger. Next day Mr. Moore, a lumberman, his daughter Slona and a notorious gossip, Mrs. Belden, pass. Norcross admits he is the son of a wealthy lumberman. The supervisor returns and realizes the delicate situation in which his daughter is placed. Berrie, jealous of the Moore girl, decides to go home. After breakfast Berrie and Wayland start down the trail, and about 2 o'clock make camp and get dinner. Cliff hunts Norcross and knocks his rival senseless. Berrie thinks him dead. Seeing life returning she flings herself on Wayland, covering his face with kisses. Nash later comes upon them, helps arrange the camp and stays until morning. Again on the trail Wayland tells Berrie her love should be for Landon and not himself.

THE GOSSIPS AWAKE.

BERRIE was frightened for Wayland, and as she thought of the long ride still before them she wrung her hands. "Oh, what shall I do?" she moaned.

Instantly smitten into shame, into manlier mood, he said: "Don't worry about me. Please don't. I can ride. I'm feeling better. You must not weaken. Please forgive my selfish complaints. I'm done! You'll never hear it again. Come! Let us go on. I can ride."

"If we can reach Miller's ranch!"—
"I can ride to your ranch!" he declared, and rose with such new found resolution that she stared at him in wonder.

He was able to smile. "I've had my little crying spell. I've relieved my heart of its load. I didn't mean to agonize you. It was only a slump." He put his hand to his head. "I must be a comical figure."

His sudden reversal to cheer was a little alarming to her, but at length she perceived that he had in truth mastered his depression, and, bringing up the horses, she saddled them and helped him to mount. "If you get tired or feel worse tell me, and we'll go into camp," she urged as they were about to start.

"You keep going till I give the sign," he replied, and his voice was so firm and clear that her own sunny smile came back. "I don't know what to make of you," she said. "I reckon you must be a poet."

It was dark when they reached the village, but Wayland declared his ability to go on, although his wounded head was throbbing with fever and he was clinging to the pommel of his saddle; so Berrie rode on.

Mrs. McFarlane, hearing the horses on the bridge, was at the door and received her daughter with wondering question, while the stable hands, quick to detect an injured man, hurried to lift Norcross down from his saddle.

"What's the matter?" repeated Mrs. McFarlane.

"He fell and struck his head on a stone," Berra hastily explained. "Take the horses, boys! Mother and I will look out for Mr. Norcross."

The men obeyed her and fell back, but they were consumed with curiosity, and their glances irritated the girl. "Slip the packs at once," she insisted.

With instant sympathy her mother came to her aid in supporting the wounded, weary youth indoors, and as he stretched out on the couch in the sitting room he remarked with a faint, ironic smile, "This beats any bed of balsam boughs."

"Where's your father?" asked Mrs. McFarlane of her daughter.

"He's over on the Ptarmigan. I've a powerful lot to tell you, mother, but not now; we must look after Wayland. He's nearly done up, and so am I."

Mrs. McFarlane winced a little at her daughter's use of Norcross's first name, but she said nothing further at the moment, although she watched Berrie closely while she took off Wayland's shoes and stockings and rubbed his icy feet. "Get him something hot as quick as you can!" she commanded, and Mrs. McFarlane obeyed without a word.

Gradually the tremor passed out of his limbs and a delicious sense of warmth, of safety, stole over him, and he closed his eyes in the comfort of her presence and care. "Rigorous business this life of the pioneer," he said with mocking inflection. "I think I prefer a place in the lumber trust."

"Don't talk," she said. Then, with a rush of tender remorse: "Why didn't you tell me to stop? I didn't realize



"You're splendid," she insisted. "No one could be braver."

that you were so tired. We could have stopped at the Springs."

"I didn't know how tired I was till I got here. Gee," he said boyishly, "that doorknob at the back of my head is red-hot! You're good to me," he added humbly.

She hated to have him resume that tone of self depreciation, and, kneeling to him, she kissed his cheek and laid her head beside his. "You're splendid," she insisted. "Nobody could be braver, but you should have told me you were exhausted. You fooled me with your cheerful answers."

He accepted her loving praise, her clasping arms, as a part of the rescue from the darkness and pain of the long ride, careless of what it might bring to him in the future. He ate his toast and drank his coffee and permitted the women to lead him to his room, and then being alone he crept into his bed and fell instantly asleep.

Berrie and her mother went back to the sitting room, and Mrs. McFarlane closed the door behind them. "Now tell me all about it," she said in the tone of one not to be denied.

The story went along very smoothly till the girl came to the second night in camp beside the lake. There her voice faltered, and the reflective look in the mother's eyes deepened as she learned that her daughter had shared her tent with the young man. "It was the only thing to do, mother," Berrie bravely said. "It was cold and wet outside, and you know he isn't very strong, and his teeth were chattering he was so chilled. I know it sounds strange down here, but up there in the woods in the storm what I did seemed right and natural. You know what I mean, don't you?"

"Yes, I understand. I don't blame

you—only—if others should hear of it—

"But they won't. No one knows of our being alone there except Tony and father."

"Are you sure? Doesn't Mrs. Belden know?"

"I don't think so—not yet."

Mrs. McFarlane's nervousness grew. "I wish you hadn't gone on this trip. If the Beldens find out you were alone with Mr. Norcross they'll make much of it. It will give them a chance at your father." Her mind turned upon another point. "When did Mr. Norcross get his fall?"

"On the way back." Here Berrie hesitated again. "I don't like to tell you, mother, but he didn't fall; Cliff jumped him and tried to kill him."

The mother doubted her ears. "Cliff did? How did he happen to meet you?"

Berrie was quick to answer. "I don't know how he found out we were on the trail. I suppose the old lady phoned him. Anyhow, while we were camped for noon yesterday—her face flamed again at thought of that tender, beautiful moment when they were resting on the grass—'while we were at our lunch he came tearing down the hill on that big bay horse of his and took a flying jump at Wayland. As Wayland went down he struck his head on a stone. I thought he was dead, and I was paralyzed for a second. Then I flew at Cliff and just about choked the life out of him. I'd have ended him right there if he hadn't let go."

Mrs. McFarlane, looking upon her daughter in amazement, saw on her face the shadow of the deadly rage which had burned in her heart as she clinched young Belden's throat.

"What then? What happened then?" "He let go, you bet." Her smile came back.

"When did this take place?" "Yesterday about 2. Of course Wayland couldn't ride, he was so dizzy and kind of confused, and so I went into camp right there at timber line. Along about sunset Nash came riding up from this side and insisted on staying to help me, so I let him."

Mrs. McFarlane's tense attitude relaxed. "Nash is not the kind that rattles. I'm glad he turned up."

"And this morning I saddled and came down."

"Did Nash go on?"

"Yes. Daddy was waiting for him, so I let him go along."

"It's all sad business," groaned Mrs. McFarlane, "and I can see you're keeping something back. How did Cliff happen to know just where you were, and what started you back without your father?"

For the first time Berrie showed signs of weakness and distress. "Why, you see, Alec Belden and Mr. Moore were over there to look at some timber, and old Marm Belden and that Moore girl went along. I suppose they sent word to Cliff, and I presume that Moore girl put him on our trail. Leastwise that's the way I figure it out. That's the worst of the whole business." She admitted this with darkened brow. "Mrs. Belden's tongue is hung in the middle and loose at both ends—and that Moore girl is spiteful mean." She could not keep the contempt out of her voice.

"Oh, I wish you hadn't gone!" exclaimed the worried mother.

"It can't be helped now, and it hasn't done me any real harm. It's all in the day's work anyhow. I've always gone with daddy before, and this trip isn't going to spoil me. The boys all know me, and they will treat me fair."

"Yes, but Mr. Norcross is an outsider, a city man. They will all think evil of him on that account."

"I know. That's what troubles me. No one will know how fine and considerate he was. Mother, I've never known any one like him. He's a poet! I don't care what people say of me if only they will be just to him. They've got to treat him right," she added firmly.

"Did he speak to you—are you engaged?"

Her head drooped. "Not really engaged, mother, but he told me how much he liked me, and—it's all right, mother, I know it is. I'm not fine enough for him, but I'm going to try to change my ways so he won't be ashamed of me."

Mrs. McFarlane's face cleared. "He surely is a fine young fellow and can be trusted to do the right thing. Well, we might as well go to bed. We can settle anything till your father gets home," she said.

Wayland rose next morning free from dizziness and almost free from pain, and when he came out of his room his expression was cheerful. "I feel as if I'd slept a week, and I'm hungry. I don't know why I should be, but I am."

Mrs. McFarlane met him with some thing very intimate, something almost maternal in her look, but her words were as few and as restrained as ever. He divined that she had been talking with Berrie and that a fairly clear understanding of the situation had been

reached. That this understanding involved him closely he was aware, but nothing in his manner acknowledged it.

She did not ask any questions, believing that sooner or later the whole story must come out. The fact that Siona Moore and Mrs. Belden knew that Berrie had started back on Thursday with young Norcross made it easy for the villagers to discover that she had not reached the ranch till Saturday. "What could Joe have been thinking of to allow them to go?" she said. "Mr. Nash's presence in the camp must be made known, but then there is Clifford's assault upon Mr. Norcross. Can that be kept secret too?" And so while the young people chatted the troubled mother waited in fear, knowing that in a day or two the countryside would be aflame with accusation.

A long day's rest, a second night's sleep, set Wayland on his feet. He came to breakfast quite gay. "Barring the hickory nut on the back of my head," he explained, "I'm feeling fine, almost ready for another expedition. I may make a ranger yet."

Berrie, though equally gay, was not so sure of his ability to return to work. "I reckon you'd better go easy till daddy gets back, but if you feel like it we'll ride up to the postoffice this afternoon."

"I want to start right in to learn to throw that hitch, and I'm going to practice with an ax till I can strike twice in the same place. This trip was an eye opener. Great man I'd be in a windfall, wouldn't I?"

He was persuaded to remain very quiet for another day, and part of it was spent in conversation with Mrs. McFarlane, whom he liked very much, and an hour or more in writing a long letter wherein he announced to his father his intention of going into the forest service. "I've got to build up a constitution," he said, "and I don't know of a better place to do it in. Be-

Women cannot vote in New York state. So when the wet and dry issue came up in Chataqua county in that state this year, the women issued this appeal to the men: "We cannot vote—but will you please vote for these three: (1) Home—Many a home is happier when we have no saloon. (2) Boy—Remember the boy. Every saloon is a temptation. (3) Mother and Wife—Many a mother and many a wife is praying in secret now that you will vote dry." In this case enough men responded to win a no-license victory. But how much sooner would this have been accomplished if the women had been doing their own voting. Evidently the men thought so too, for they also returned a majority of 2,801 for woman suffrage, the largest voted by any county in that state.

sides, I'm beginning to be interested in the scheme. I like the supervisor. I'm living in his house at the present time, and I'm feeling contented and happy, so don't worry about me."

He was indeed quite comfortable, save when he realized that Mrs. McFarlane was taking altogether too much for granted in their relationship. It was delightful to be so watched over, so waited upon, so instructed. "But where is it all leading me?" he continued to ask himself, and still that wall of reserve troubled and saddened Berrie.

On the fourth morning the phone rang, and the squawking voice of Mrs. Belden came over the wire—"I wanted to know if Berrie and her feller got home all right?"

"Yes, they arrived safely."

The old woman chuckled. "Last I see of Cliff he was hot on their trail—looked like he expected to take a hand in that expedition. Did he overtake 'em?"

"I don't hear very well. Where are you?"

"I'm at the Scott ranch. We're coming round 'the horn' today."

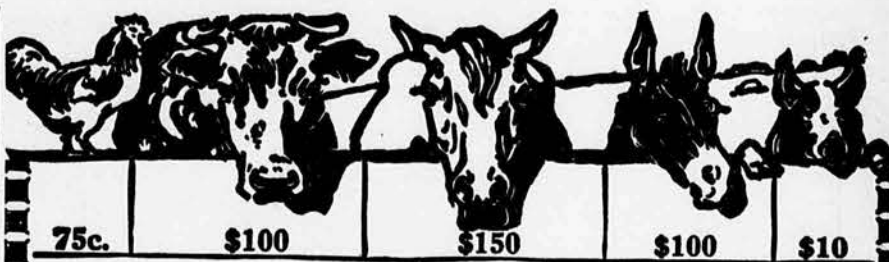
"Where is the supervisor?"

"He headed across yesterday. Say, Cliff was mad as a hornet when he started. I'd like to know what happened."

Mrs. McFarlane hung up the receiver. The old woman's nasty chuckle was intolerable, but in silencing the phone Mrs. McFarlane was perfectly aware that she was not silencing the gossip; on the contrary, she was certain that the Beldens would leave a trail of poisonous comment from the Ptarmigan to Bear Tooth. It was all sweet material for them.

Berrie wanted to know who was speaking, and Mrs. McFarlane replied, "Mrs. Belden wanted to know if you got through all right."

"She said something else, something



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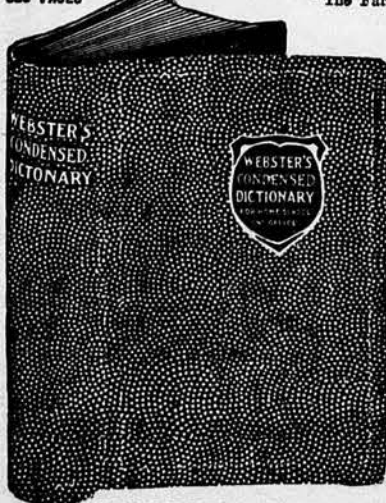
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to heat you up," persisted the girl, who perceived her mother's agitation. "What did she say—something about me—and Cliff?"

The mother did not answer, for Wayland entered the room at the moment, but Berrie knew that traducers were already busy with her affairs. "I don't care anything about old lady Belden," she said later, "but I hate to have that Moore girl telling lies about me."

WAYLAND HEARS FROM HOME.

IT WAS almost noon of the fourth day when the supervisor called up to say that he was at the office and would reach the ranch at 6 o'clock.

"I wish you would come home at once," his wife argued, and something in her voice convinced him that he was more needed at home than in the town. "All right, mother. Hold the fort an hour, and I'll be there."

Mrs. McFarlane met him at the hitching bar, and it required but a glance for him to read in her face a troubled state of mind.

"This has been a disastrous trip for Berrie," she said after one of the hands had relieved the supervisor of his horse.

"In what way?" She was a bit impatient. "Mrs. Belden is filling the valley with the story of Berrie's stay in camp with Mr. Norcross."

His face showed a graver line. "It couldn't be helped. The horses had to be followed, and that youngster could not do it, and, besides, I expected to get back that night. Nobody but an old snoop like Seth Belden would think evil of our girl, and, besides, Norcross is a man to be trusted."

"Of course he is, but the Beldens are ready to think evil of any one connect-

In the end the cost of the great war in Europe is to burden the world. Already it has bankrupted ten nations, taken the lives of millions of their best producers and decided nothing. An international trade boycott could have settled this war without bloodshed within thirty days. Only the machinery was lacking. The kind of preparedness the world needs is an international tribunal whose weapon, more effective and decisive than any war, shall be a boycott of the disobedient nation by other nations. A peace-keeping league of any three great nations could enforce international law and order between all nations and between themselves by simply shutting off all communication with the rowdy nation. Europe when the war ends will be ready to follow any good leader advancing such a greatly needed world-reform. Why not prepare for this instead of going into the big army-big navy business ourselves and stupidly perpetuating the big stick idea of the primitive cave man?

ed with us. And Cliff's assault on Wayland?"

He looked up quickly. "Assault! Did he make trouble?"

"Yes. He overtook them on the trail and would have killed Norcross if Berrie hadn't interfered. He was crazy with jealousy."

"Nash didn't say anything about any assault."

"He didn't know it. Berrie told him that Norcross fell from his horse."

"Good God! I never suspected a word of this. I didn't think he'd do that."

He fixed another penetrating look upon her face, and his voice was vibrant with anxiety as he said, "You don't think there's anything—wrong?"

"No, nothing wrong, but she's profoundly in love with him. I never have seen her so wrapped up in any one. She thinks of nothing else. It scares me to see it, for I've studied him closely and I can't believe he feels the same toward her. His world is so different from ours. I don't know what to do or say. I fear she is in for a period of great unhappiness."

The return of the crew from the corral cut short this conference, and when McFarlane went in Berrie greeted him with such frank and joyous expression that all his fears vanished.

"Did you come over the high trail?" she asked.

"No, I came your way. I didn't want to take any chances of getting mired. It's still raining up there," he answered; then turned to Wayland: "Here's your mail, Norcross, a whole hatful of it—and one telegram in the bunch. Hope it isn't serious."

Wayland took the bundle of letters and retired to his room, glad to escape the persistent stare of the cowhands.

The dispatch was from his father and was curt and specific as a command: "Shall be in Denver on the 23d. Meet me at the Palmer House. Am on my way to California. Come prepared to join me on the trip."

With the letters unopened in his lap he sat in silent thought, profoundly troubled by the instant decision which this message demanded of him. At first glance nothing was simpler than to pack up and go. He was only a tourist in the valley, with no intention of staying, but there was Berrie! To go meant a violent end of their pleasant romance. To think of flight saddened him, and yet his better judgment was clearly on the side of going. "Much as I like her, much as I admire her, I cannot marry her. The simplest way is to frankly tell her so and go. It seems cowardly, but in the end she will be happier."

His letters carried him back into his own world. One was from Will Halliday, who was going with Professor Holmsman on an exploring trip up the Nile. "You must join us. Holmsman has promised to take you on." Another classmate wrote to know if he did not want to go into a land deal on the gulf of Mexico. A girl asked: "Are you to be in New York this winter? I am. I've decided to go into this suffrage movement." And so, one by one, the threads which bound him to eastern city life respun their filaments. After all, this Colorado outing, even though it should last two years, would only be a vacation. His real life was in the cities of the east. Charming as Berrie was, potent as she seemed, she was, after all, a fixed part of the mountain land and not to be taken from it. At the moment marriage with her appeared absurd.

A knock at his door and the supervisor's voice gave him a keen shock. "Come in," he called, springing to his feet with a thrill of dread, of alarm.

McFarlane entered slowly and shut the door behind him. His manner was serious and his voice gravely gentle as he said, "I hope that telegram does not call you away."

"It is from my father asking me to meet him in Denver," answered Norcross, with faltering breath. "He's on his way to California. Won't you sit down?"

The older man took a seat with quiet dignity. "Seems like a mighty fine chance, don't it? I've always wanted to see the coast. When do you plan for to pull out?"

"I haven't decided to go at all. I'm still dazed by the suddenness of it. I didn't know my father was planning this trip."

"I see. Well, before you decide to go I'd like to have a little talk with you. My daughter has told me part of what happened to you on the trail. I want to know all of it. You're young, but you've been out in the world, and you know what people can say about you and my girl." His voice became level and menacing as he added, "And I don't intend to have her put in wrong on account of you."

Norcross was quick to reply. "Nobody will dare accuse her of wrongdoing. She's a noble girl. No one will dare to criticize her for what she could not prevent."

"You don't know the Beldens. My girl's character will be on trial in every house in the county tomorrow. The Belden side of it will appear in the city papers. Sympathy will be with Clifford. Berrie will be made an issue by my enemies. They'll get me through her."

"Good Lord," exclaimed Norcross in sudden realization of the gravity of the case, "what beasts they are!"

"Moore's gang will seize upon it and work it hard," McFarlane went on, with calm insistence. "They want to bring the district forester down on me. This is a fine chance to badger me. They will make a great deal of my putting you on the roll. Our little camping trip is likely to prove a serious matter to us all."

"Surely you don't consider me at fault."

Worried as he was, the father was just. "No, you're not to blame. No one is to blame. It all dates back to the horses quitting camp. But you've got to stand pat now for Berrie's sake."

"But what can I do? I'm at your service. What role shall I play? Tell me what to do and I'll do it."

McFarlane was staggered, but he answered: "You can at least stay on the ground and help fight. This is no time to stampede."

"You're right. I'll stay, and I'll make any statement you see fit. I'll do anything that will protect Berrie."

TO BE CONTINUED.

The pipe-wrench is as handy to the farmer as a pipe dream is to the politician.

When the gobbler becomes too fat, infertile eggs result.

Corn Yield Is Excellent

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BY OUR COUNTY CORRESPONDENTS



This is a Picture of Maplehurst Farm, the Home of C. E. Kelsey, Our Franklin County Crop Reporter.

WITH a total acreage of 22,869 acres, the corn crop in Pawnee county this year is averaging between 35 and 40 bushels to the acre, a total yield of almost 1 million bushels.

At the price at which corn is selling at present, 47 and 48 cents a bushel, the crop in Pawnee county this year is worth about \$500,000.

Although some yields as high as 100 bushels an acre have been reported, these are few and far between, and the greater number of men who have husked a sufficient amount of their crop to be able to form a fair estimate, say their crops are running between 35 and 40 bushels to the acre.

KANSAS.

Greeley County—The finest kind of weather and the farmers are all busy shucking corn. Corn making good yield. Stock of all kinds doing very well.—F. C. Woods, Dec. 11.

Finney County—Nice winter weather. No moisture but a cold wave December 10. No demand for cattle. Threshing not nearly done. Lots of corn to be gathered. Eggs 40c.—F. S. Coen, Dec. 11.

Cherokee County—Fine rain last night which was needed badly. Farmers getting their fall plowing pretty well done. Several sales. All the stock off in price. Wheat \$1.05; corn 60c.—A. E. Moreland, Dec. 11.

Wyandotte County—Light showers have improved the condition of the soil greatly. Wheat and rye doing nicely. Stock of all kinds doing well. Fine fall weather. Roads in good condition.—G. F. Espenlaub, Dec. 10.

Kiowa County—Weather is a little like winter. A little moisture would help the wheat. Corn making from 20 to 50 bushels to the acre. Corn shelling is beginning. Corn 52c; butterfat 32c; eggs 30c.—H. E. Stewart, Dec. 11.

Linn County—No snow yet but a good rain Friday night will help the wheat and fall plowing. Eighty per cent of the corn husked and the yield and quality are good. Fall pasture holding on well.—A. M. Markley, Dec. 11.

Washington County—Nice fall weather. Farmers getting their corn in. Some farmers plowing. Threshing nearly all done. Some hog cholera. Considerable wheat put out. Quite a few sales being held and things selling well.—Mrs. Birdsey, Dec. 7.

Chautauqua County—We have had a delightful fall with no snow or rain to speak of. Very few public sales compared with other years. Corn turning out well. Not many stock buyers but prices are firm. Corn 50c; hogs \$5.75; turkeys 12c; eggs 30c.—H. B. Fairley, Dec. 9.

Lyon County—Everyone appreciates the dry weather. Farmers busy hauling hay and corn to market. Several farmers have plowed. Roads in good condition for travel. Gophers are busy digging up the alfalfa and native grass fields. Hay \$6 to \$8; corn 56c; wheat 55c.—E. R. Griffith, Dec. 10.

Russell County—Cool, cloudy weather with some sleet. A good snow would be welcome. Ground getting a little dry but the wheat looks good yet. All stock doing well. Feed is plentiful. Considerable wheat going to market for 96c. Corn 60c; potatoes 90c; eggs 27c.—Mrs. Fred Clausen, Dec. 11.

Mitchell County—Weather very fine. Corn husking still the order of the day. No soft corn to speak of. Wheat doing nicely and furnishing considerable pasture. Hogs generally healthy. Other stock doing well. Corn 55c; wheat \$1; hogs \$5.50; butterfat 31c; eggs 27c.—S. C. DePoy, Dec. 11.

Anderson County—Weather mild and dry. Several farmers plowing but the ground turns up in chunks and is hard on the horses. Wheat needs a rain. Some of the late wheat isn't showing up very much yet. Some corn being shipped in at 63c. Butterfat 35c; eggs 27c.—G. W. Kiblinger, Dec. 9.

Barton County—Some cold weather the last few days. Wheat stand is good and it is looking well but some moisture would benefit it. Corn husking in progress and the yield and quality are the best in years. Considerable wheat pasturing done and stock doing well. Wheat 95c; corn 54c; oats 45c.—J. A. Johnson, Dec. 11.

Pottawatomie County—Very fine fall weather but conditions today indicate a change. Most of the farmers about done picking corn and the extra corn is nearly all sold. Kafir poor quality and from a third to one-half of it is immature. Fall wheat looks well. Mixed corn on the ear 55c; hogs 6c.—S. L. Knapp, Nov. 10.

Rice County—Weather very good but dry and we need a little moisture. Corn husking well under way and the yield is good. Wheat about all threshed. Wheat is a little backward on account of late sowing and dry weather. Stock doing very nicely and bringing good prices. Wheat \$1; corn 54c; hogs 10c.—Lester N. Six, Dec. 11.

Allen County—Finest fall for many years. A good deal of plowing done. Corn making

a good yield and the quality is good for this kind of year. Wheat needs rain. Stock doing very well. Hogs are not dying now and most of them have been taken to market. Broomcorn all gone. Corn 55c; kafir 45c to 55c; eggs 28c.—George O. Johnson, Dec. 9.

Decatur County—Corn husking is nearing completion and the yield runs from 20 to 50 bushels to the acre with an average of about 30 bushels. There will be some corn to ship out this year. Not much feeding done. Weather good so far. More than half the wheat is yet in the farmers' hands. Wheat 90c; corn 40c to 45c.—G. A. Jern, Dec. 11.

Lincoln County—Weather dry but good for corn husking. Some farmers have finished corn husking and a good many will finish this week. Stock doing well in the stalk fields. Wheat not making very much pasture on account of late sowing. A good many cattle fattened in this county. Potato crop fair. Corn 50c; wheat 97c.—E. J. G. Wacker, Dec. 7.

Gray County—Corn husking and shelling in progress. Kafir is pretty well topped and some of it is threshed and is yielding from 40 to 50 bushels to the acre. Corn yielding from 25 to 50 bushels to the acre and the crop is good. Wheat is fine and a large number of stock on pasture. Some wheat threshing still to do. Stock doing well on wheat pasture. Weather favorable for fall work.—A. E. Alexander, Dec. 11.

Phillips County—Weather good and farmers still shucking corn. Corn is yielding from 30 to 60 bushels to the acre. Quality of early corn is excellent and the late corn on the high ground is good also but not on the low land. Stock in good condition and forage feed plentiful. Several hogs dying with cholera and there are not many hogs in the community. Corn 50c to 60c; soft corn 40c to 60c; wheat 93c; eggs 25c.—Roy Stanley, Dec. 10.

Douglas County—No rain yet and the ground is very dry. Wheat needs moisture. Some fields of wheat show Hessian fly damage. Corn nearly all gathered. More fall plowing done this fall than I have known of since I have lived in this county and I have lived here more than 45 years. Some sales and cows, horses and mules sell well. Feed is going to be scarce. No contagious disease among stock. Corn 62c; No. 3 wheat \$1; oats 37c; alfalfa hay \$11 to \$13 ton; prairie hay \$8 ton; eggs 30c; old hens 9c; springs 11c; hogs \$5.—O. L. Cox, Dec. 11.

OKLAHOMA.

Beaver County—Wheat in fairly good condition, especially the early sown. Late sown wheat needs moisture. A good many farmers still harvesting kafir and maize. Not many public sales. Wheat 93c; kafir 38c; eggs 25c; fat hogs 6c.—E. J. Walters, Dec. 9.

Cleveland County—Dry weather continues but the ground is in very good condition for plowing. Much fall plowing being done. A good many farmers burning stalk fields and crabgrass on stubble ground. Corn husking about finished. Lots of corn and hay going to market. Good roads. Some farms changing hands. Prices at public sales very good. A big demand for good dairy cows.—H. J. Dietrich, Dec. 11.

Tulsa County—Very good weather. Fall work nearly done. Cattle and stock of all kinds doing well except for some cholera among hogs. There will not be so many hogs raised next year on account of low price. Some sales and nearly everything selling well. Hogs \$5.75; corn 55c; wheat \$1.—D. M. Trees, Dec. 10.

These Figures Are Correct

Mr. Bollenbach made a mistake in the figures he gave in his poultry article last week. He was reporting the results of an experiment conducted by the Missouri poultry experiment station, and his figures indicated that hens fed a balanced ration laid fewer eggs than those fed on rations that were not balanced. Here are the facts of the experiment as reported by C. T. Patterson, who has it in charge:

In order to determine more fully the effect of certain rations, a number of experiments are in progress at this station. Each pen contains 20 hens.

The test with a wide ration, containing elements which would produce three yolks for each white, produced 379 eggs in the first six months.

The test with a narrow ration, containing elements which would produce two whites to each yolk, produced 269 eggs.

The test with a ration containing equal yolk and white material but without minerals to produce the shell, produced 161 eggs.

The test where the ration contained elements necessary to produce equally all parts of the egg, produced 1,603 eggs in the same time. This ration is called a balanced ration for egg production.

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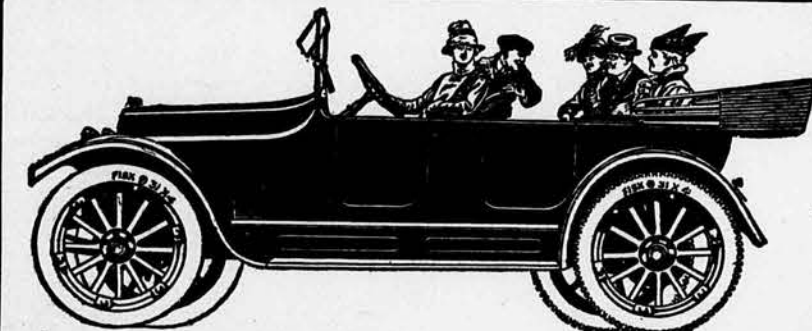
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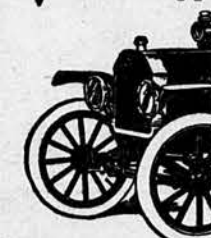
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WHITE WYANDOTTES—LARGE, EARLY hatched cockerels \$2, \$3, \$5 each. Also a few cocks, hens and pullets. Bred from special mated prize winners. Plock's White Wyandotte Farm, Clay Center, Kan.

SEVERAL VARIETIES.

HIGH SCORING R. C. REDS, WHITE Holland turkeys. Roy Davisson, Sabetha, Kan.

WHITE WYANDOTTE COCKERELS AND White Holland turkeys. Mrs. S. R. Guy, Hewins, Kansas.

HIGH SCORING BLACK LANGSHANS AND White Holland turkeys for sale. Mrs. U. G. Mason, Keytesville, Mo.

FAWN WHITE RUNNERS, GOOD LAYERS 75 cts. if taken soon. Also big Barred c'k's. \$1. V. Young, Melvern, Kan.

CHOICE R. I. REDS AND GOLDEN WY-andottes, farm raised. Pens, trios, or single. Virginia McKinley, Junction City, Kan.

PARTRIDGE WYANDOTTES, RHODE Island Whites, Buff Leghorns; hens cheap if taken soon. Wait. Eddy, Havensville, Kan.

WHITE ROCK COCKERELS \$1.50 EACH. White Pekin drakes \$1.95 each. White Holland toms \$5.00 each. James Jensen, Kinsley, Kan.

COLUMBIAN WYANDOTTE COCKERELS \$1 to \$3 each. White Holland turkeys. Toms \$3.75 to \$4, hens \$3 each. Bertha V. Chacey, Meriden, Kan.

S. C. BUFF ORPINGTON COCKERELS \$1, \$2, \$3. Pullets \$10 doz. Bourbon Red toms \$5. All pure bred. Mrs. Nannie Wright, Newton, Kan., R. No. 6.

MAMMOTH WHITE HOLLAND TURKEYS. Toms \$3.00 each. Hens \$2.00 each. White Embden Ganders \$3.00 each. White Wyandotte cockerels \$1.00 each. Alice Sellars, Mahaska, Kan.

40 MAMMOTH BRONZE GOBLERS! Deep-breasted, heavy boned kind. Extra well bronzed. Toms \$5. Hens \$3. Also 20 extra good Fawn-White Runner drakes at \$1 each. Mrs. Bert Cordry, Haddam, Kan.

BREEDERS CHEAP IN ALL VARIETIES Leghorns, Wyandottes, Rhode Island Reds, Orpingtons, Langshans, Cochins, Brahmans, Rocks, Bantams, ducks, geese, turkey and Pearl and White guineas. Bare Poultry Co., Box 819, Hampton, Iowa.

POULTRY WANTED.

TURKEYS
Ship us your poultry. Highest prices for turkeys and poultry of all kinds. Remittance made same day shipment received. Edw. E. Witchey, Topeka, Kan.

MISCELLANEOUS POULTRY.

WE WILL GUARANTEE YOU MORE
eggs if you feed "Brooks Best" mixed meat scraps and dry mash. 100 lbs. \$2.10. Brooks Wholesale Co., Ft. Scott, Kan.

LIVE STOCK

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

FOR SALE—REGISTERED GALLOWAY
bulls. Address Fashion Plate, Silver Lake, Kan.

FOR SALE—TWO FINE YOUNG REGISTERED
Holstein bulls. Priced right. P. Harty, Hollenberg, Kan.

REGISTERED JERSEY BULL CALF,
\$25.00. Sire Bells Fern of Hood Farm. Jas. R. Snyder, Box A, Frazer, Mo.

SHEPHERD PONIES. SIXTY HEAD TO
choose from. Special prices for Christmas. Charles Clemmons, Coffeyville, Kan.

HIGH GRADE HOLSTEIN CALVES,
either sex, 3-4 weeks old. \$17 each, crated. Burr Oak Farm, Whitewater, Wis.

FOR SALE—THE FINEST YOUNG JACK
in the state and two fine jennets all registered. W. D. Shore, Simpson, Kan.

IMMUNED DUROCS. PLENTY OF
spring boars and gilts. Best of breeding. Stock guaranteed. D. H. Axtell, Sawyer, Kan.

FOR SALE—REGISTERED JERSEY
bulls, \$50.00 each. V. E. Swenson, Little River, Kansas.

MARRIAGE RANCH, CO-OPERATIVE
Christian colony. Big returns guaranteed. Registered Angus bulls. Kiowa county, Kansas.

SEEDS AND NURSERIES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

WHITE BLOSSOM SWEET CLOVER SEED.
"Grower to sower brand." S. J. Molby, Agricola, Kan.

DWARF WHITE HULLED KAFFIR, AND
Shumak cane seed, each \$1 bushel. Charlie Clemmons, Verden, Okla.

FOR SALE—400 BU. NO. 1. BIG GOLDEN
millet seed. I prefer to sell to dealers in bulk. Ask for samples. J. L. Coates, Greensburg, Kan.

SWEET CLOVER—PURE UNHULLED
white blossom 18c lb. delivered. Sudan grass seed 13c lb. delivered. Large quantities less. Claycomb Seed Store, Guyton, Okla.

PET STOCK

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

SCOTCH COLLIES. WESTERN HOME
Kennels, St. John, Kan.

BRED BELGIAN HARES. ALL KINDS.
L. V. Carr, Garden City, Kan.

FOR SALE—GUARANTEED HOUNDS.
Send 2 cent stamp for prices. Rash Bros., Centerville, Kan.

LANDS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

320 IMPROVED; CLOSE; WHEAT. \$4800,
terms. Kendall, owner, Colby, Kan.

TWO FARMS IN ELK CO. TO TRADE FOR
wheat land in central Kan. Box 77, Argonia, Kan.

EIGHTY ACRES—OTTAWA COUNTY, TO
trade for large gas tractor. S. B. Vaughan, Newton, Kansas.

WANT A HOME? FINE 320 ACRE HOME—
stead relinquishment for sale. Box 5, Goodland, Kansas.

FOR SALE 51 FARMS IN SEDGWICK
and Sumner counties; few snaps. Write today for descriptions. Geo. R. Fultz, Wichita, Kan.

WISH TO CORRESPOND WITH FARMER
desiring to trade for farm near Emporia. G. K. Martin, Emporia, Kan. 12th and Suny Slope.

WHEAT, STOCK, AND ALFALFA
ranches for sale. Terms to suit purchaser. Can use same trade. Burton & Son, Syracuse, Kansas.

SELL YOUR PROPERTY QUICKLY FOR
cash. No matter where located. Particulars free. Real Estate Salesman Co., Dept. 5, Lincoln, Neb.

FOR SALE—80 ACRES ALFALFA, FRUIT,
good water, improvements fair. For terms and price call on or address J. J. Puterbaugh, Liberty, Kan., R. R. 2.

LAND—HALF SECTION EXTRA SMOOTH
wheat land, thirteen miles northwest of Lakin, Kan., \$7.50 per acre. C. A. Peebles, 308 West Cedar St., Dodge City, Kan.

FOR SALE—A FINE 40 ACRES, WELL
improved. Johns city limits Eskridge, Kansas. 8 blocks fine high school, all in fine alfalfa except 4 acres. 5 feet galvanized American poultry fence and 8 acres native pasture. 6 blocks fine church. Owner, James Montgomery, Eskridge, Kan.

FREE 320 ACRE COLORADO HOME—
steads almost gone. Last chance for free farms. Fine water. Rich loam soil. Write Smoke & Ray, Box 595, Pueblo, Colorado.

IMPROVED FARMS OF 120 TO 320 ACRES
for sale with small payment down and long time on balance. Better than rent. Own your farm. Finch & Rice, El Reno, Okla.

WANT ALL KINDS OF EAST COLO. AND
western Kansas lands, city properties. Listed that will consider exchange. Give full particulars first letter. Progressive Realty Co., Greeley, Colo.

MY FARM 106 ACRES 8 MILES OF TOPEKA,
creek bottom, about 10 acres timber, balance tillable, 14 a. alfalfa, well improved, at a bargain. Terms. Address G 2, care Mail and Breeze.

360 ACRE STOCK RANCH IN COLORADO;
100 acres in cultivation; wide range; houses, barns; between two railroads; bargain; easy terms. Address M. W. Jones, 875 Marion St., Denver, Colo.

600 ACRES, MOSTLY BOTTOM, FINE IMPROVEMENTS. 2 sets. Rich corn land, well manured. 40 acres alfalfa. 2½ miles good town in Lyon Co., Kan. \$60.00 per acre. Box 22, R. 1, Reading, Kan.

FOR SALE—155 ACRES, WELL IMPROVED,
adjoining growing town in heart of wheat belt. Ideal place to live. Priced right. Owner wants to go into cattle business. Address 416 W. 12th St., Larned, Kan.

FARMS AND RANCHES \$4.50 UP. STOCK,
dairying and farming. Corn, maize, kafir, sorghum, wheat, etc., raised. Good climate. Schools and churches. Write for particulars. Amstad Realty Co., Amstad, Union Co., N. Mexico.

FOR QUICK SALE—ONE OF THE BEST
350 acre grain and stock farms in northeast Kan., at a sacrifice price. Close to good town, in fine neighborhood. Write for description and terms to Grant Ewing, Blue Rapids, Kan.

PRODUCTIVE LANDS; CROP PAYMENT
or easy terms along the Northern Pac. Ry. in Minn., N. D., Mont., Idaho, Wash. and Ore. Free literature. Say what state interests you. L. J. Bricker, 46 Northern Pac. Ry., St. Paul, Minn.

NEW MEXICO LAND FOR SALE—
Eighty acres fronting the main line of the Atchison, Topeka & Santa Fe railroad. 60 acres under cultivation. Some set to alfalfa. Good little house of two rooms and sleeping porch. Right close to church, postoffice and store, at Optimo, N. M. Price \$2,200.00. \$700 cash, balance \$500 each year. Crops will pay for the land in a short time. A. A. Kronig, Optimo, N. Mex.

FERTILE VIRGINIA FARMS ALONG
Chesapeake & Ohio Rwy. at \$15 an acre and up on easy terms. Mild climate, rich soil, abundant rainfall, plentiful and cheap labor. Convenient to eastern markets, also to good schools and churches. Write for free illustrated farm home booklet, "Country Life in Virginia," and low excursion rates. Address K. T. Crawley, Indus. Agt., C. & O. Rwy., Room 1049, Richmond, Va.

FARMS ON 14 YEARS' TIME, ONLY \$15
an acre. Rich black valley farms, Duval county, Texas, only \$1 an acre cash, balance fourteen yearly payments. No better land anywhere for raising big money crops; finest climate in U. S. Splendid for dairying and live stock; good water; practically twelve months growing season. Will produce excellent crops of alfalfa, corn, forage, such as sorghum, Sudan grass, as well as cotton and all vegetables including potatoes (two crops) and the semi-tropical fruits such as oranges, California grapes, figs. Only a few of these farms for sale. 40, 80 acres and up. Remarkable opportunity for renters and those who want farm homes. Prompt action necessary. Write today for free book describing country, with maps, plats, etc. A postal card will do. C. W. Hahl Company, Inc., owners, 440 Commercial Bank Bldg., Houston, Texas.

FARMS WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

WANTED TO HEAR FROM OWNER OF
farm or fruit ranch for sale. O. O. Mattson, 72 Andrus Bldg., Minneapolis, Minn.

SELL YOUR FARM OR BUSINESS QUICKLY
for cash no matter where located; information free. Black's Business Agency, Chippewa Falls, Wisc., Desk 9.

I HAVE SOME CASH BUYERS FOR SALE-
able farms. Will deal with owners only. Give full description, location, and cash price. James P. White, New Franklin, Mo.

FARM WANTED—PRACTICAL AND CAP-
able man with family of fine boys and grown daughter wants to rent a good well equipped stock farm on percentage basis. Farm must be located where corn and blue grass will grow. Can handle 300 to 500 acres without outside help. Can erect any kind of building. Will call for personal interview any time after Dec. 15. Address Benton Steele, Box 17, Halstead, Kan.

BUSINESS CHANCES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

WE HAVE A SNAP FOR THE MAN
that wants a good business. A grocery and market doing yearly business over \$30,000 is for sale. Little cash required. J. A. Powell, 10th and Quindaro Blvd., Kansas City, Kan.

FREE FOR SIX MONTHS—MY SPECIAL
offer to introduce my magazine "Investing For Profit." It is worth \$10 a copy to anyone who has been getting poorer while the rich, richer. It demonstrates the real earning power of money, and shows how anyone, no matter how poor, can acquire riches. Investing For Profit is the only progressive financial journal published. It shows how \$100 grows to \$2,200. Write now and I'll send it six months free. H. L. Barber, 425-28 W. Jackson Blvd., Chicago.

FOR SALE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

GOOD SMALL GAS TRACTOR \$325. S. B. Vaughan, Newton, Kansas.

FOR SALE—HEDGE POSTS; CARLOTS.
H. W. Porth, Winfield, Kan.

LARGE BEAUTIFUL ORGAN. COST \$100
new and in excellent condition. Write Ida Larmer, Marysville, Kan.

NEW MOGUS EIGHT SIXTEEN. GREAT
bargain if taken soon, sickness, bad luck cause. Elmer McGee, Blue Mound, Kan.

FOR SALE—HOUSE OF FIVE ROOMS
and five lots in Pratt, Kan. Some fruit trees, well and mill, cement walks, in sewer district. C. W. King, Cullison, Kan.

BRAND NEW STEAM PRESSURE CAN-
ning outfit manufactured by N. W. Steel & Iron Works, Eau Claire, Wis. (small factory size). Also 500 No. 2 tin cans. Cost \$110. A snap at \$50. Geo. L. Copson, Box 267, Enid, Okla.

FINE TOPEKA HOME FOR SALE—I WILL
sell my place in Topeka, located on the most beautiful street in the city, near limits of city, two blocks from street car, two blocks from fine school, fine old shau, park like surroundings, lot 61½ by 205 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grates, of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry houses, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 5 per cent instead of the usual 7 per cent. No trade. Address R. W. E., care Mail and Breeze.

FOR SALE OR TRADE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

FOR SALE—BULL TRACTOR OR WILL
trade for cattle or sheep. R. F. Baldwin, Lyons, Kan.

PRATT CITY PROPERTY FOR SALE OR
trade for land or stock. Wilbur King, Cullison, Kan.

BIG 4-30 TRACTOR WITH PLOWS FOR
sale or trade on western Kansas land. John E. Carlson, McPherson, Kan., Rt. No. 5.

BEES AND HONEY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

2-60 POUND CANS ALFALFA EXTRACTED
honey \$8.40. V. N. Hopper, Las Cruces, N. Mex.

FOR SALE. NEW HONEY. SAMPLE AND
prices on application. Glen C. Voorhees, Tranquillity, Calif.

CHRISTMAS PRESENT WORTH WHILE.
Prepaid to your friends, fancy white extracted honey, 10-lb. \$1.50, 36-lb. \$4.40, 60-lb. \$8.50. Amber (dark) 10-lb. \$1.25, 36-lb. \$3.50, 60-lb. \$5.25. Bert W. Hopper, Rocky Ford, Colo.

PATENTS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

PATENTS THAT PAY. \$600,812 CLIENTS
made. Searches. Advice and two books free. E. E. Vrooman & Co., 885 F, Washington, D. C.

SEND FOR FREE BOOKLET, "ALL ABOUT
Patents and Their Cost." Shepherd & Campbell, Patent Attorneys, 500C Victor Bldg., Washington, D. C.

MEN OF IDEAS AND INVENTIVE ABIL-
ity should write for new "List of Needed Inventions," Patent Buyers, and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Patent Attorneys, Dept. 25, Washington, D. C.

WRITE FOR LIST OF PATENT BUYERS
who wish to purchase patents and what to invent with list of inventions wanted. \$1,000,000 in prizes offered for inventions. Send sketch for free opinion as to patentability. Write for our Four Guide Books sent free upon request. Patents advertised free. We assist inventors to sell their inventions. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

MALE HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

GOVERNMENT FARMERS WANTED. \$60
to \$125 monthly. Free living quarters. Write Oment, 38E, St. Louis.

SALESMEN WANTED FOR FRUIT AND
ornamental trees. Experience unnecessary. Outfit free. Pay weekly. The Lawrence Nurseries, Lawrence, Kan.

MOTORMEN—CONDUCTORS. \$80 MONTH-
ly. Interurbans everywhere. Experience unnecessary; qualify now. State age. Booklet free. Electric Dept., 812 Syndicate Trust, St. Louis, Mo.

FIREMEN AND BRAKEMEN: \$100 MONTH-
ly. Experience unnecessary. Hundreds needed by the best railroads everywhere. Particulars free. 796 Railway Bureau, East St. Louis, Ill.

WE GUARANTEE YOU A GOOD POSITION
paying from \$15 to \$25 per week by taking a course in Stuhl's Institute of Watchmaking and Engraving. 207 Altman Bldg., Kansas City, Mo.

SALESMEN FOR HIGH-CLASS TOBACCO
factory; experience unnecessary. Good pay and promotion for steady workers. Complete instructions sent you. Piedmont Tobacco Co., Box R-36, Danville, Va.

MOLER BARBER COLLEGE. MEN WANTED.
Special fall rates. Write for free catalogue. 514 Main St., Kansas City, Mo.

RAILWAY MAIL CLERKS WANTED.
\$75.00 month. Examinations coming everywhere. Specimen questions free. Write immediately. Franklin Institute, Dept E 51, Rochester, N. Y.

HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

THOUSANDS GOVERNMENT JOBS NOW
obtainable. List free. Franklin Institute, Dept E 51, Rochester, N. Y.

I CONDUCTED GOVERNMENT EXAM-
inations. Can help you secure railway mail or other government positions. Trial examination free. Oment, 38E, St. Louis.

THOUSANDS U. S. GOVERNMENT JOBS
now open to farmers—men and women. \$65 to \$150 month. Vacations. Pleasant work. Steady employment. Pay sure. Common education sufficient. Write immediately for free list of positions now obtainable. Franklin Institute, Dept. E 51, Rochester, N. Y.

AGENTS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

AGENTS—HERE'S THE BEST LINE OF
food flavors, perfumes, soaps, toilet preparations, etc., ever offered. No capital needed. Complete outfits furnished free to workers. Write today for full particulars. American Products Co., 3485 Third St., Cincinnati, O.

CREAM WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

CREAM WANTED—THE INDEPENDENT
Creamery Company of Council Grove, Kansas, buys direct from the farmer. Write for particulars.

CALF MEAL

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

RAISE CALVES AT HALF COST BY
using Brooks Best Calf Meal. 100 lbs. \$3.25, or 500 lbs. \$15.00. Brooks Wholesale Co., Ft. Scott, Kan.

MISCELLANEOUS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

PECANS FOR SALE. ONLY ELEVEN
cents per pound. Satisfaction guaranteed. William Zuck, Stillwater, Okla.

A USABLE SHORT FORM DEED BLANK
with twenty legal instructions on back, twenty-five cents less to record. Remit two cents. E. W. Alberty, Pittsburg, Kansas.

CHOICE SELECTED PECANS AT 15C PER
pound parcel post, up to 15 pounds. 15 to 100 pound lots at 12½c by freight, securely sacked. E. J. Dickerson, Tecumseh, Okla.

LADIES BEAUTIFUL STRAND OF CALI-
fornia flower beads and twenty-two beautiful colored views of Panama Canal post paid one dollar. May Cochran, Long Beach, Calif.

CHRISTMAS MONEY—WE BUY YOUR
old copper, brass, rubber boots and shoes, rags, auto tires and tubes, anything in the junk line. Write for prices. Buckley Bros., Lyons, Kan.

LUMBER—WE SHIP TO CONSUMERS AT
wholesale. Send us your itemized bills for estimate. Lowest prices on Bois D'Arc, cedar and oak posts. Telephone poles and piling. McKee Lumber Co. of Kansas, Emporia, Kansas.

BIG WESTERN WEEKLY SIX MONTHS
10 cents. Biggest and best general home and news weekly published in the West. Interesting and instructive departments for young and old. Special offer, six months' trial subscription—twenty-six big issues—10 cents. Address Capper's Weekly, Dept. W. A-12, Topeka, Kan.

BLACK WALNUTS—400 BUSHELS NICE
fresh black walnuts at 80 cts. a bushel, sacked or barreled and delivered at express or freight office. Put up in 1 and 2 bu. sacks and 3 and 4 bu. barrels. Pecans 10 cts. lb. Finest peanut butter, 1 lb. 20c, 2 lbs. 35c, 4 lbs. 65c, 8 lbs. \$1.20. All good Christmas presents. Write today for circulars. Henry S. Jefferies, Ottawa, Kan.

Scotch Division.

At a school north of the Tweed, the teacher was instructing his class in the rudiments of simple division.

"If," he said to one of the boys, "I had twenty marbles and I wanted to divide them, Willy, between you and Macgregor, how many would you get?"

"Ten, maybe," said the boy.

"Why 'maybe'?" asked the master.

"—because, sir, Macgregor wouldna gie me ten unless you were standing by."

Youth's Companion.

Why Men Are Brave.

Willie—"Paw, what is bravery?"

Paw—"Bravery is something that makes a man lose the use of his legs when he wants to run, my son."—American Boy.

BIG BARGAINS IN REAL ESTATE

Dealers whose advertisements appear in this paper are thoroughly reliable and the many bargains are worthy of your consideration

Special Notice All advertising copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

160 IMPROVED, 5 miles town. \$6400.00. J. P. Donahue, Mound Valley, Kan.

160 A. Hamilton Co. raw grass land, \$4.50 a. No trade. Walter & Patton, Syracuse, Kan.

480 A. ALL GRASS. Every acre can be cult. \$12.50 per acre. Box 215, German Colonization Co., Plains, Kansas.

207 ACRES, all grass. Abundance spring water; 4 1/2 miles of two railroads; \$29 an acre. J. B. Fields, Alma, Kan.

FOR BUSINESS, homes or farms at Baldwin, Kan. seat of Baker University, write D. E. Houston & Co. Some trades.

IMPROVED Jewell Co. 240 acre farm close to school. Water good. Price \$35 per acre. J. H. King, Cawker City, Kan.

LYON CO., KAN., combined, corn, alfalfa and stock farms. For list write E. B. Miller, Admire, Kansas. Some trades.

IMPROVED 40, 80, 160 and 280 acre farms. S. W. Kansas, N. E. Oklahoma. \$35 to \$50 acre. List free. Beatty, Coffeyville, Kan.

COFFEY COUNTY, Eastern Kansas. Good alfalfa, corn, wheat and tame grass lands. List free. Lane & Kent, Burlington, Kan.

WHEAT, OATS, CORN, ALFALFA lands. Famous Sumner County, Kansas. 1/2 wheat with farms. H. H. Stewart, Wellington, Kan.

1/2 SEC., 200 cult., 20 alfalfa, bal. pasture, well improved, spring and well. \$18,000. Terms. Hill & Murphy, Holsington, Kan.

MORRIS CO. FARMS. 480 a., 240 pasture, 240 broke, all bottom. 115 alfalfa. Extra improved. \$60 a. S. L. Karr Real Estate Co., Council Grove, Kan.

HOME FARM 320, well imp. All good land. Fine growing wheat; possession any time. Big snap at \$6500, no trade, other farms. Buxton & Rutherford, Utica, Ness Co., Kan.

FINE \$5500. 80 a. 3 1/2 ml. out; fine imp. Decker & Booth, Valley Falls, Kan.

FOR LAND BARGAINS write or call on Towanda Realty Co., Towanda, Kan.

160 A. improved, good upland farm, 4 miles out; \$55.00 a. Easy terms. J. M. Conlan, St. Marys, Kansas.

FOR REAL ESTATE BARGAINS in the great Neosho Valley, see or write S. M. Bell, Americus, Kansas.

IMPROVED FARMS for sale in German Catholic and Lutheran settlement. Write Jake Brown, Olpe, Kansas.

1,440 ACRE RANCH, improved, \$10 per acre, terms. 890 acre ranch near city, \$15. Cliff Tomson, Syracuse, Kan.

NORTHEAST KAN. Good improved farms in bluegrass section, \$60 to \$100. Send for list. N. Compton, Valley Falls, Kan.

IMPROVED creek bottom, 541 acres, 6 1/2 miles county seat, Ness Co., Kan. Also improved farms central Kan. for sale. Bader & Webster, Junction City, Kan.

HALF SECTION, 2 ml. Republic; all alfalfa. Best of improvements. \$100 per a. Three dozen other good land bargains. Address Grafton Nutter, Republic, Kan.

WESTERN KANSAS land. Good wheat farms near Bucklin, Ford Co. Easy terms. Stevens and Haskell county land cheap. Good terms. H. J. Spore, Bucklin, Kansas.

FOR SALE. Good 80 acre farm close to railroad and school; 1/2 in cult., bal. grass. Good imp. Price \$40 an acre. Terms. A. A. Murray, Westmoreland, Kan.

160 A. 2 ml. from R. R. town; 80 a. corn, 10 a. alfalfa, 15 a. hog pasture, bal. pasture and meadow; 6 room house, good barn; well and cistern. Very cheap, if sold soon. \$45.00 per acre. Rosenquist & Renstrom, Osage City, Kan.

TREGO CO. 160 acres 8 miles from Ransom, 80 acres in cultivation, 80 acres fine grass; 40 acres more tillable, on main road and telephone line. Don't wait to write, come and see this. Price \$1,600.00. V. E. West, Ransom, Kansas.

160 ACRES, 5 miles of Ottawa, every acre nice, smooth, tillable land; 60 acres in fine blue grass, timothy and clover pasture; 14 acres alfalfa; 25 acres timothy and clover meadow, good 1 1/2 story, 9 room house good barn, chicken house, hog house, corn crib for 5000 bushels of corn, fenced hog tight. Price \$75 per acre. \$3,000 cash, remainder long time at 6%. Casida & Clark, Ottawa, Kansas.

800 ACRE TRACT NICE WHEAT LAND. \$4000. Terms. J. A. Jackson, Syracuse, Kan.

160 A. 3 1/2 ML. OUT. IMP. FAIR. 130 cult., 30 grass, good water, fenced. Second bottom. \$10,500. Mts. \$4,000. 6%. Ed A. Davis, Minneapolis, Kan.

FARMS FOR SALE in the best alfalfa and corn county of the State; good, productive, well-improved farms from 40 to 640 acres in size and at from \$35 to \$75 per acre. You can't beat them for price or products anywhere. Close to town and graded and rural high schools. Can suit you in any size farms. Come and see or write Wm. E. Dannefer, Lovewell, Jewell Co., Kan.

80 A. WELL IMPROVED, \$55 A. Well located town and school. \$12.00 down. 40 a. imp. Snap, \$40.00 acre; terms. P. H. Atchison, Waverly, Kan.

WE OWN 13,600 ACRES IN FERTILE Pawnee valley, smooth as a floor; best alfalfa and wheat land on earth; five sets of improvements; shallow water; will sell 80 acres or more. Frizell & Ely, Larned, Kansas.

160 ACRE FARM well located, rich dark soil, 4 miles good railroad station, 5 room house, large barn, corn crib, nice shade, well, cistern, price \$65.00 per acre. 80 ACRES 4 miles Ottawa, 7 room house, good barn, crib, well, close to school, main traveled road, extra good proposition, priced right for immediate sale. Write for full description and booklet describing farm bargains.

Mansfield Land Company Ottawa, Kansas.

2-Rare Bargains-2 Choice level 160 a. farm, \$4 a. cash. Also well imp. alfalfa farm 168 a. Perfect title. Immediate possession. \$50 a. Terms. Western Real Estate Exchange Co., Syracuse, Kan.

640 Acres 240 acres cult., bal. hay and blue grass pasture. 90 per cent tillable, good location. Good improvements, two miles of Waverly. \$50 acre; carry \$20,000 long time 5%. W. H. Lathrom, Waverly, Kan.

FINE STOCK FARM 320 acres, \$37.50 per a. 3 miles from good high school town. Near Emporia; highly improved, best corn, alfalfa, blue grass grows on this farm. Write for list of farms for sale. T. B. Godsey, Emporia, Kansas.

Special Bargain for Quick Sale 170 acres fine bottom land four miles out; pumping plant, electric power. Great bargain. Write quick for description. Chas. I. Zirkle, Garden City, Kan.

LANE CO.

If you want to buy a farm or ranch, in the coming wheat, corn and stock country of the West, write me as we have bargains from \$8.00 to \$25 per acre. Both improved and unimproved. Let me know what size farm you want and how much you want to pay on the same. W. V. Young, Dighton, Kansas.

Fine Equipped Dairy Farm in Dickinson County, Kansas 22 acres, modern equipments, large cement floor barn, 25 stanchions; 2 large silos; poultry house, elegant 8 room modern house, 5 room tenant house; all new, electric light; elegant water. Price \$9,500; \$5,000 cash. Big money maker. In health cause for selling. Within 4 blocks of paved streets. Is truly one bargain. Write BRINEX & PAUTZ, ABILENE, KANSAS.

FOR SALE OR EXCHANGE

LAND and mdse for sale or exchange. Co-operative Realty Co., Humansville, Mo.

TRADES EVERYWHERE. Exchange book free. Bersie Agency, El Dorado, Kan.

LAND for sale and exchange for western lands. John Goff, Willow Springs, Mo.

TO EXCHANGE: 970 a. stock and grain farm in Eastern Kansas. Box 275, Iola, Kan.

E. KANSAS farms in Catholic settlements. Exc. Frank Kratzberg, Jr., Greeley, Kan.

IMP. FARMS, some in Catholic settlement. Exc. Severn & Hattick, Williamsburg, Kan.

BEST EXCHANGE book in U. S. 1,000 nonest trades. Graham Bros., Eldorado, Kan.

HEADQUARTERS for best wheat and alfalfa lands in Kansas; will exchange and assume. Jones Land Co., Sylvia, Kansas.

BIGHAM & OCHILTREE sell and trade best corn, alfalfa, wheat land in U. S. Write for list. 116 N. 8th, St. Joseph, Mo.

80 ACRE improved alfalfa farm, Lamar, Colo. Take half trade, time on balance. Write Haines & Conner, Hutchinson, Kan.

193 ACRES, Anderson county, Kan. Price \$8685. Mortgage \$2650. Want clear residence property. T. M. Holcomb, Garnett, Kan.

THREE HIGHLY IMPROVED alfalfa and grain farms, eastern Kansas; encumbered one-third value. Want cash or clear property. Nathan Tate, Howard, Kansas.

880 ACRE RANCH. Trade income property. Webb & Park, Clements, Kansas.

TO EXCHANGE QUICK for mdse. General stock preferred. 720 a. of all smooth, unimproved land located in Lane Co., Kan. No better soil in the state. Approximate value \$21 per a. I have all kinds of wheat and alfalfa land for sale. Address C. F. Edwards, Ness City, Kansas.

160 A. 4 1/2 ml. Soldier, Kan. All in cultivation; 4 r. house, small barn, good well; land lays good. Price \$12,000, mtg. \$5000 at 6%. Owner will trade equity for stock of mdse. 160 a. in Sheridan Co., 50 in cult., bal. grass. 3 1/2 ml. from Guy. \$3200, mtg. \$750; will trade equity for rental property. N. Rasmus, Wetmore, Kan.

3 Good 80's within 3 miles town; fair improvements, at \$80 to \$100. Good quarters, well improved, \$65 to \$85. Don't write but come and see. Molohan Land Co., Peabody, Kan.

80 Acres Only \$1600 Only 7 ml. Wichita. Good, smooth black loam soil. Plenty bldgs. Possession at once. Only \$5,000; only \$1,600 cash, time on bal. R. M. Mills, Schweiter Bldg., Wichita, Kan.

SUMNER COUNTY FARMS 160 a. 2 ml. of R. R. town; soil, black loam, all broke except 30 acres pasture; nice orchard, good water. Good corn, alfalfa or wheat land. A real bargain; only \$6800. Terms on part. E. S. Brodile & Co., Wichita, Kan.

Live Wire Land Bargains 80 a. 3 ml. good R. R. town, Sumner Co., Kan., no imp., 70 a. cult., all tillable, \$3500. 120 a., joins good town, 100 a. cult., fine house and barn, fine land, \$12,000. 80 a. 16 ml. Wichita, well imp., will exchange for western land. 400 a. Walnut River, 200 a. bottom, balance timber and pasture, 100 a. alfalfa, good imp., \$50 per a. 800 a. well imp., 200 a. in cult., balance pasture and meadow, all fenced, \$30 per a., will exchange for smaller farm. Live Wire Realty Co., Wichita, Kansas.

GRAHAM CO. HALF SECTION 1/2 ml. east of Morland, Kan., townsite. One of best corn, alfalfa and livestock farms in N. W. Kan. 160 a. cult., 160 pasture and hay land. 200 a. creek and river bottom. All fenced and cross fenced. 20 a. pasture lots under hog fence; 2 hog houses. Good young bearing orchard. Fine grove around house; young shade trees coming on. 8 room frame house; barn room for 15 head, and 2 vehicles. Good well on porch; windmill at barn. Good springs in pasture. Good school in Morland. J. E. Thompson, Morland, Kan.

Ness County Lands Good wheat and alfalfa lands at \$15 to \$25 per acre. Fine crops of all kinds in 1914 and better crops in 1915. No better soil in Kansas. Land in adjoining counties on the east \$40 to \$75 per acre. Buy here while land is cheap. Write for price list, county map and literature. No trades. Floyd & Floyd, Ness City, Kansas.

CHASE COUNTY STOCK RANCH 640 acres 2 miles from shipping point. 100 acres best creek bottom. 75 acres alfalfa, timber, creek. 540 acres best bluestem pasture, running water, splendid improvements. No overflow, no gumbo, best combination in the county. Price \$25,000.00, liberal terms. J. E. Bocook & Son, Cottonwood Falls, Kansas.

\$60 BUYS LAND WORTH \$80 160 a. 10 ml. E. Topeka. 80 a. cult. 2nd bottom. 80 a. pasture. All tillable. 25 a. alfalfa. 8 room house. Large barn. Never-falling water. Terms. Will make you money. Stephenson & Webb, Topeka, Kansas.

ARKANSAS WRITE Dowell Land Company for bargains in Arkansas lands. Walnut Ridge, Ark.

40 ACRES, \$650. \$250 down, bal. four years. L. E. Smith, Lockesburg, Arkansas.

60 ACRE FARM, 20 cultivated, house, orchard, spring, \$750. Terms, \$200 down. Big list free. Ward, Mountain Home, Ark.

ARKANSAS LAND. Write us for prices and information about our products. H. H. Houghton & Son, Jonesboro, Arkansas

260 ACRES, well located, well improved farm. Price \$6000; \$1000 cash, terms on balance. P. H. Thompson, Ft. Smith, Ark.

NEW RAILROAD, new town, cheap lands in the Ozarks. For information write C. C. Feemster, Immigrant Agent for the Ozarks Railway Co., Mountain Home, Ark.

WRITE FOR OUR BOOKLET "Bearden, the Eden of Arkansas." No rocks, hills, swamps, or overflows. Very healthy climate. Good lands. J. A. McLeod, Bearden, Ark.

160 A. black sandy loam, 1/2 in cultivation. Grow corn, wheat, oats, alfalfa, cotton. \$40 acre. Pike and railroad. Polk Real Estate Co., Little Rock, Ark.

WRITE FOR FREE "WARRANTY DEED" of farm bargains, improved, \$4.00 per acre and up. New Home Land Co., Opposite Union Station, Little Rock, Ark.

ARKANSAS—5,000 acres, fine level valley land; any size tract, \$5 to \$12 per acre; third cash, bal. 9 yearly payments. Write for literature. Shaeffer Land Company, 641 Reserve Bank Bldg., Kansas City, Mo.

154 ACRES, 40 a. cult., 50 more can be; spring, 4 room house, good outbuildings. Handy to school and church. 6 miles railroad. Price \$750.00. Free list. W. J. Copp, Calico Rock, Ark.

180 ACRES; 160 cult. 5 room res. 4 room tenant house; very rich loam. 6 miles of Jonesboro; rock road, R.F.D., phone. One of the best farms in Arkansas for the money. Price \$40.00 per acre. Terms. Southern Land & Loan Co., Jonesboro, Ark.

FARMS as low as \$5 and \$10 per acre, located at the foot hills of the Ozark Mountains, in Independence Co., Ark. Description sent for the asking. Wright Half-acre Real Estate Co., Batesville, Ark.

1,320 ACRES RICH BOTTOM LAND. 325 acres in cultivation. 4 miles to town. Good graded road. \$25.00 per acre. Will trade for merchandise. L. P. Coleman, Little Rock, Ark.

BIG CREEK VALLEY LAND, sure crops corn, oats, wheat, clover, alfalfa. \$10 to \$50 per acre. No swamps, rocks, mountains, alkali or hard pan. Fine climate, water, schools, churches, neighbors and markets. Northern settlement. 15,000 acres already sold to satisfied homeseekers. Car fare refunded, if not as represented. Cash or long time, easier than paying rent. Write for free map and booklet. Tom Blodgett, Little Rock, Arkansas.

200 Acres Slightly improved. 2200 fruit trees. 6 miles of Monticello, Ark. \$50 per a. Easy terms. Address William Beggs, Owner, Monticello, Ark.

NEW YORK Poor Health—Must Sacrifice farm, hay, grain, stock and tools. 101 acres, good house, 2 barns, shed, basement, stables, tenant house, granary, hen house, ice house, hog house, fruit; school 1/2 mile; church and creamery, one mile. 3 horses, 12 cows, and heifers, 100 hens, wagons, sleds, harnesses, sulky plow, other plows, mowers, binder, grain, all \$4200, \$1600 cash, balance time and get a square deal. Hall's Farm Agency, Owego, Tioga Co., N. Y.

WYOMING 320 ACRE HOMESTEADS. Will locate for \$100. A. P. Knight, Jireh, Wyoming.

FARM LOANS FARM AND CITY MORTGAGES a specialty. Write us if you wish to borrow. Perkins & Co., Lawrence, Kan.

FARM LOANS, Missouri, Kansas, Oklahoma and Arkansas, low rates, liberal privileges, most favorable terms. No delay. You get all you borrow. The Deming Investment Co., Oswego, Kan. Branch offices: Wichita, Kan.; Oklahoma City, Muskogee, Durant, Okla.; Little Rock, Ark.

Business Corner For Farm Business building transfer corner, in first class condition; all rented to good tenants; income \$2,500; clear; owner wants a good farm, not particular as to improvements, but must be good land within 50 miles of Kansas City and near railroad; prefer an even deal. Owners, here's an unusual chance to get a substantial business block for your farm. Write E. A. Guilgon, with F. B. Gillett, 1405 Waldheim Bldg., Kansas City, Mo.

OKLAHOMA

CHOICE Oklahoma lands at attractive prices. Address C. W. Smith, Kingfisher, Okla.

OKLA. LANDS. 40 to 500 a. tracts. Write for list. Roberts Realty Co., Nowata, Okla.

350 ACRES, 200 cult., 150 rough timber pasture, imp. Joins station. Good water. \$27.50 a. C. M. Smith, Crowder, Okla.

FOR SALE: 160 acres near Eufaula, Okla., or will rent to stock farmer. Other land for sale. Charles Whitaker, Eufaula, Okla.

EASTERN OKLAHOMA land as good as the best, limestone soil, corn, oats, wheat, timothy, blue grass and alfalfa land. Selling cheap. Smalley & Stout, Afton, Okla.

BUY NOW from owner, best 650 a. farm (will divide) in Oklahoma, 3 mi. from Vinita. Well improved; strong, level land; 3 sets of buildings. W. M. Mercer, Aurora, Ill.

FOR FARM LANDS and pastures, where soil is fertile, rainfall ample, prices low, terms good, write Southern Realty Co., McAlester, Okla.

160 A. 2 1/2 miles from town. 75 plowed; good soil; bearing orchard; 8 r. house, all kinds of outbuildings. Fine well. R. F. D. and phone. Price only \$3200. Terms on \$1,200. Free list and map. Perry DeFord, Oakwood, Okla.

350 ACRE stock farm near railroad station. 110 a. choice bottom, hog fenced, bal. good prairie land; first class improvements; living water, large orchard; \$25 per acre. Write for particulars and list of Oklahoma lands. Major Brothers, Chickasha, Okla.

FOR QUICK SALE 1/2 section fertile land; ideal grain and stock farm. 200 a. cult., well fenced. 800 rods hog tight. R. F. D. and telephone. 3 1/2 mi. railway town; good improvements, plenty pure water. Good neighborhood. 100 a. in wheat. Priced right. Write or wire, if interested. State A. & M. College located here. Ed Thatcher, Stillwater, Okla.

Oklahoma Land For Sale

Good land in Northeastern Oklahoma; price from \$20.00 to \$35.00 per acre. Write for price list and literature. W. C. Wood, Nowata, Okla.

Dewey, Washington Co., Okla.

Located in a splendid oil, gas and agricultural country. Has two steam railroads, one electric interurban, water works, sewer system, electric lights, natural gas, paved streets, free mail delivery, manufacturing plants, two National banks, splendid schools, the best county fair in the state and three thousand live energetic citizens. Want more folks like those already here.

For information, write Joe A. Bartles, Dewey, Okla.

MISSOURI

STOP! LISTEN! 40 a. impr. farm \$550. Other farms. McGrath, Mountain View, Mo.

FOR SALE: 40 a. close in. Well imp. Ideal location; \$1000. Weaver, Seligman, Mo.

BARGAINS in high class farm near Kansas City. Some Exc. L. W. Kircher, Cleveland, Mo.

100 ACRES, improved, near town, \$1500. 40 acres 1 1/2 miles out, improved, \$650.00. W. A. Morris, Mountain View, Mo.

POOR MAN'S CHANCE—\$5 down, \$5 monthly, buys 40 acres good land, near R. R. town; some timber; price \$200. \$10 monthly buys 80 a. Write for list Box 425-O, Carthage, Mo.

A BARGAIN. 320 a. fine grain and stock farm in DeKalb Co., Mo. 32 mi. from St. Joseph. Good improvements. Price \$100 per acre. Address Box 707, Copper Building, Topeka, Kan.

160 ACRES, 1 mi. of good R. R. town near Cape Girardeau; well improved. Produces 75 bu. corn, 5 cuttings alfalfa. Best land in U. S. Climate excellent; health good. \$50 per a. Warren L. Mabrey, Jackson, Mo.

SOUTHEAST MISSOURI LANDS—If you want to become independent, buy lands in Southeast Missouri, in the rich drained lands that raise anything and raise it certain. All I ask is a chance to "SHOW YOU." Prices are very reasonable. No trades considered. Write for literature and information. F. S. Bice, Oran, Missouri.

FOR SALE. My Ozark home; 313 acres, fine house, barn and other buildings; in edge of town; two blocks to graded high school; 80 acres in blue grass and orchard grass. 33 acres in timothy. Price \$8,500. Half cash; no trades considered. Write for illustrated description. P. D. Gum, West Plains, Mo.

A RARE BARGAIN

99 a. farm, only 1 1/2 mi. from C. H. square in Clinton, Mo. 2 story frame house, barn, etc. 2 wells and cistern. Small orchard; 20 a. hog tight pasture; 20 acres fine prairie hay; bal. under plow. House is within Clinton School dist., thus giving benefit of Clinton's fine high school. An ideal location. Price \$10,000, \$1,000 cash and balance \$1,000 per year at 6% int. H. P. Faris, Clinton, Mo.

NEBRASKA

I HAVE FINE ALFALFA FARMS in tracts from 160 acres to 1000 acres, and best corn and wheat land at prices from \$8 to \$30 per acre. These prices will not last long. Write me today. A. T. Cowings, Benkelman, Neb.

FINE LITTLE RANCH—480 a., 200 fine cult., bal. fine pasture, well fenced; ample bldgs., good condition. Station 6 mi. McCook, Neb. (Pop. 4,000), 11 mi. good roads. School 1 1/2 mi.; phone and R.F.D. Best small ranch in county. \$25 per a., 1/4 cash, bal. any time desired, 5%. No trades. Write R. A. Simpson, Owner, Blue Hill, Neb.

Essential for Winter Eggs

(Continued from Page 18.)

The stronger bird stands with shanks placed squarely under its body and wide apart at the hock or knee joints. The toe nails must be stout and flat showing evidence of great activity. The vigorous bird is always the more active and is usually the first off the roost in the morning, the last on the roost at night.

Strong vitality means great resistance to disease, good digestive capacity which enables a bird to consume and digest sufficient food to shell out eggs for a long period without much rest. It means great activity, better rustlers, better breeders. A healthy flock is usually a producing flock if well fed and taken care of. Vitality means eggs that will not hatch cripples and weaklings that die in the shell or have to be helped out of the shell. Vitality in your breeders means strong, lively chicks that will not die off with the white diarrhea if they receive good care. Study your hens and pullets from the standpoint of vitality and cull out the weaklings.



Ship Us Your Stock That You Want to Market

Our twenty years' experience on this market will save you money. Each department is looked after by competent men. Our weekly market letter will be sent free upon request. See that your stock is billed to us.

Ryan-Robinson Commission Co.
421-5 Live Stock Ex., Kansas City, Mo.

TEXAS

BARGAINS IN FARMS and ranches, improved and unimproved. Midland, Upton and Glasscock counties; 70,000 acres for sale right. Henry M. Halff, Owner, Midland, Tex.

WISCONSIN

30,000 ACRES cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

SOUTH AMERICA.

YOU CAN GET free ranch in South America by assisting in paying expenses to secure million acre concession. Rich soil, fine climate. Highest references. Map 25c. Box 498, Sawtelle, Calif.

IDAHO

NO TORNADOES IN IDAHO—Rich soil; mild climate; ample water; fair prices. Stock ranches, 7360 acres and 960. Farms, 40 acres up. Price on request. H. W. Arnold & Co., Boise, Idaho.

FLORIDA

FLORIDA LANDS

Wild and improved, from 40 acres to 100,000 acres. Colonization tracts and grazing lands a specialty. Refer to any bank here. Arthur T. Williams, Jacksonville, Fla.

MINNESOTA

MINNESOTA STOCK FARM. 640 acres good level land, black loam, deep clay subsoil. Every foot plow land. 400 acres under cultivation, 80 a. red clover, 30 a. timber, balance upland hay and pasture. Good 7 room house, 2 large stock barns, 2 wells with windmill, 10,000 bu. granary, blacksmith shop, hog barns, machinery shed. Near school, church and creamery. Only \$35 per acre on terms. W. J. Westfall Land Co., 740 Plymouth Bldg., Minneapolis, Minn.

COLORADO

FOR SALE CHEAP—Fine Colorado farms that pay for themselves in one or two crops. O. W. Gale, Colorado Springs, Colo.

FOR SALE: Fruit tracts and irrigated farms in Northern Colorado. Write me what you want. A. H. Goddard, Loveland, Colorado.

FOUND—320 acre homestead in settled neighborhood; fine farm land; no sand hills. Cost you \$300, filing fees and all. J. A. Tracy, Ft. Morgan, Colo.

LAND FOR SALE. If some of you fellows that are looking for land don't come out here pretty soon and get some of the \$10 and \$15 Russian thistle land, I am going to quit telling you about it. I have herded sheep for a living and can do it again. Harry Maher, Deer Trail, Mo.

FOR SALE. Some good relinquishments, some with new improvements; from \$200 to \$2000. 160 acres 7 miles Lamar. Deeded; good house 4 rooms, well, barn; 100 fenced, 80 cultivation. Price \$1300, time on half. 160 a. irrigated land. Improved; 130 in alfalfa, 4 miles town. Arkansas river second bottom, extra good. Price \$16,000.00. W. D. Jessup, Lamar, Colorado.

Chicago Wheat Up to \$1.21

More Hogs Went to Market Last Week than in any Other Week in the Last Seven Years

THE cattle market last week was irregular showing no Christmas feature, except in yearlings. Dressed beef men bought common and ordinary class readily and were indifferent to the good cattle, which were scarce. Chicago receipts last week, 67,000, were the largest this year, including 34,000 Monday, and prices there declined 25 to 40 cents. Heavy fed steers in Kansas City sold down 15 to 25 cents, while yearlings and ordinary lightweight steers are up 15 to 25 cents. Two carloads of 1,024-pound yearling steers sold at \$9.75 and prime heavy steers sold at \$9. Some choice heavy corn fat steers brought \$8.25 to \$8.75. Most of the range steers brought \$6.25 to \$7. Prices for cows and heifers remained about steady, except that choice heifers were 10 to 15 cents up. Veal calves declined 25 to 50 cents, top \$9.25. Demand for bulls was fairly active.

The few choice stockers and feeders offered early in the week were quoted 10 to 15 cents higher, but later demand was inactive, and a setback occurred. However, a fair clearance was reported for the week.

The five western markets received 554,000 hogs last week, the largest supply in any similar period since 1908. In Chicago receipts were 297,000, the largest supply in any week, except the record which was made in November, 1880, with 300,488, when Missouri river markets were unimportant factors in the packing business. The effect of the heavy receipts was lower prices. Large buying early in the week sent the market up, and on Wednesday they were at the high point of the past six weeks, the top price here being \$6.75, and in Chicago \$7. The market turned down sharply Thursday, and closed Saturday 15 to 20 cents net lower than a week ago. While quality and weight at river markets is normal for this season of the year, Chicago is receiving large numbers of pigs and underweight hogs from the soft corn area. Northern states that usually market their hogs in the 250 to 300-pound class later in the season are selling now with weights at 120 to 225 pounds.

Sheep prices were advanced 10 to 15 cents this week and lambs were steady. Demand was fairly active. The movement of range sheep is ended, and supplies are moving from feed lots, though they show but little better flesh than the best range lambs a month ago. Full fed lambs will be available after the first of the year. Fat lambs are quoted at \$8.50 to \$8.85, yearlings \$6.75 to \$7.00, ewes \$5.50 to \$6.10, and wethers \$5.75 to \$6.50.

Livestock Movement.

	Last week.	Preceding week.	Year ago.
Cattle—			
Kansas City	39,175	45,100	42,300
Chicago	67,300	60,400	50,400
Five markets	166,475	165,050	144,100
Hogs—			
Kansas City	78,050	53,800	33,000
Chicago	297,000	260,000	201,000
Five markets	554,450	452,600	344,300
Sheep—			
Kansas City	23,000	25,000	26,850
Chicago	76,300	79,000	109,500
Five markets	179,700	194,100	193,300

Wheat Advance Was 15 to 20 Cents.

The big rise in wheat prices which started late last month with the announcement that the Canadian government had commandeered about 20 million bushels of wheat for shipment to England, culminated December 7 when the December and May prices reached \$1.21 in Chicago, making an almost continuous rise of 20 1/2 cents in the December price and 17 1/2 cents in the May delivery. The rise in the Kansas City market was about 14 cents. From the top prices of last Tuesday the market fell back 7 to 9 cents. A moderate rally yesterday left the close about a cent lower than a week ago, for May delivery.

The big upturn in prices appears to have been the direct result of buying contracts that had been put out in American markets, chiefly Chicago, as hedges against Canadian wheat. Along with this buying movement came some sensational estimates published by Chicago firms showing an immense proportion of unmillable wheat in this country's big crop. This added to the buying furor, which produced, for a time, a run-away bull market. With the urgent buying completed, it became more and more evident that the situation had become strained and the subsequent setback was a natural result.

Record December Receipts.

Primary receipts continue very large. They were more than twice as great last week as a year ago, even the Kansas City receipts showing that much increase—1,849 cars last week, compared with 768 cars a year ago. The five principal markets received 12,537 cars last week, compared with 5,205 cars a year ago. There never before was such a large movement of wheat in December.

The Canadian movement also remains very large—9,641 cars at Winnipeg, compared with 1,812 cars a year ago.

The visible supply statement should show a large increase tomorrow. Minneapolis stocks increased 2 million bushels, Kansas City about 3 million bushels. Duluth put about 8 million bushels afloat on the lakes, navigation continuing to an unusually late date. Chicago receipts were slightly in excess of shipments. A year ago in the correspond-

ing week there was an increase of 3,866,000 bushels.

Present indications are that the visible supply will go on increasing until a much later date than usual. The total last Monday was 48 1/2 million bushels. The maximum reached last year was 76 1/2 million bushels.

Slow Marketing of Corn.

The rise in corn appears to have culminated, along with wheat, when the May price reached 69 1/2@69 3/4 cents in Kansas City and 73 1/2 cents in Chicago. These prices represent advances of about 18 cents from the low levels made two months ago when big crop estimates were current, before the October freeze damaged large areas of Northern corn. From the top prices of the week there was a setback of about 3 cents, though closing prices Saturday were about a cent higher than the week before.

Notwithstanding the big advance that has occurred there is strong speculative element that believes in still higher prices.

The movement of corn to Chicago continues comparatively small, reflecting the losses from October freeze in Northern regions, but Kansas City receipts are unusually large. Much of the corn arriving here is going into the frost-damaged area in the North, and this movement is expected to continue. Corn from Oklahoma is going to northern Iowa, a movement that is without precedent, and a reversal of last year's experience.

Chicago is accumulating some corn, despite the moderate movement. Receipts there were about a million bushels in excess of shipments last week.

Kansas City elevators also are piling up corn. They now contain 412,000 bushels and the increase last week was 270,000.

The Kansas City Hay Market.

Total receipts this week were 828 cars, compared with 759 cars last week and 680 cars a year ago.

Quotations follow: Prairie, choice, \$10.00@10.50; No. 2, \$8.50@9.50; No. 2, \$7.00@8.00; No. 3, \$6.00@6.50. Lowland prairie, \$4.00@5.00. Timothy, No. 1, \$11.00@12.00; No. 2, 9.00@10.50; No. 3, \$6.00@8.50; clover mixed choice, \$10.00@11.00; No. 1, \$8.50@9.50; No. 2, \$6.50@8.00. Alfalfa, choice, \$15.50@16.00; No. 1, \$14.00@15.00; standard, \$11.00@13.50; No. 2, \$9.00@10.50; No. 3, \$7.00@8.50. Straw, \$5.00@5.50. Packing hay, \$4.00@4.50.

Butter, Eggs and Poultry.

Eggs—Extras, new white wood cases included, 32c a dozen; firsts, 29c; seconds, 20c; storage, 21c.

Butter—Creamery, extra, 33c a pound; firsts, 31c; seconds, 29c; pound prints, 1c higher; packing stock, 19c.

Live Poultry—Broilers, under 2 pounds, 15c; springs, 12c; young roosters, 11c; old, 8 1/2c; hens, 4 pounds or over, 11 1/2c; under, 9 1/2c; turkey hens and young toms, 17c; old toms, 15c; ducks, 11c; geese, 10c.

Get the Granges Busy

The Granges and the Farmer's Unions of Kansas can help in preventing the appropriating of hundreds of millions of dollars for military purposes by the present Congress. If every agricultural organization in Kansas should adopt resolutions like those adopted Saturday, December 11, at Overbrook, the action would be taken in Washington as an expression of public opinion.

Hurricane Grange No. 359, at Overbrook, Kan., with a membership of 181, passed the following resolutions and requested the Secretary to forward copies to Governor Capper and President Wilson:

Whereas, The war now desolating Europe deeply concerns all civilized people everywhere, and is an instance of the futility of armaments as a guarantee of international security and justice;

And whereas, we believe in the essential need of world-wide brotherhood, and that no just and effective program for permanent peace can be made except in the spirit of the teachings of Jesus Christ; therefore,

Be it resolved, that recognizing the weighty responsibility resting upon the President of the United States, and commending the wisdom and strength he has shown, we appeal to him and to the members of Congress highly to cherish in all their deliberations the time-honored position of this nation as an advocate of peace, and to take no steps toward increased armaments not necessitated by grave considerations of national defense;

We trust that nothing can be done that hereafter shall hinder the republic in the office of leadership of mediation to which in the providence of God it may be called;

Be it further resolved, that we direct the secretary to send a copy of this resolution to Woodrow Wilson, President of the United States, to Arthur Capper, governor of Kansas, whose utterances with reference to so-called preparedness we most heartily commend; to our congressmen, and to the local press.

W. C. CHAMBERLIN,
H. M. LYMAN, Committee.

Where more than two cows are milked, the calves should not be allowed to suck after the first day.

Growing silage leaves land clear early in the season for planting fall and winter crops.

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Remember

the order coupon counts as 25c and you get beautiful 1916 Calendar Free if you send your order by January 20th.

Our opinion that this is one of the prettiest Calendars ever issued has been confirmed by the many thousand readers who have already received their Calendar. There is a beautiful Calendar waiting for you, it will be sent free with any one of the following bargain clubbing offers. By accepting one of these real bargain combinations, you not only continue your subscription to the Mail and Breeze but you receive other good reading matter at a very low cost and you get one of the beautiful Calendars Free as our New Year greeting to you.

Select the Combination You Want—Send Your Order by Jan. 20th

We want you to read Mail and Breeze during the coming year. Each issue will be better than ever and there are many interesting features arranged for which you should not miss. Do not say Good-bye to the great family of Mail and Breeze readers.



Free McCall Pattern

To introduce McCall Patterns. The McCall Company allows each subscriber for McCALL'S MAGAZINE to choose from her first copy of McCall's, any one 15-cent McCall Dress Pattern FREE. Send free pattern request giving number and size, with 2-cent stamp for mailing. McCall's Patterns given only with clubs containing McCall's Magazine.

BARGAIN OFFER NO. 1

Mail and Breeze.....1 yr.
Household.....1 yr.
McCall's Magazine.....1 yr.
People's Popular Monthly...1 yr.
and a Calendar

All for \$1.40 \$1.15 Cash
and the 25c order coupon, if you send by January 20th.

BARGAIN OFFER NO. 2

Mail and Breeze.....1 yr.
Woman's World.....1 yr.
Poultry Culture.....1 yr.
Household.....1 yr.
and a Calendar

All for \$1.45 \$1.20 Cash
and the 25c order coupon, if you send by January 20th.

BARGAIN OFFER NO. 3

Mail and Breeze.....1 yr.
Household.....1 yr.
Today's Magazine.....1 yr.
People's Popular Monthly...1 yr.
and a Calendar

All for \$1.40 \$1.15 Cash
and the 25c order coupon, if you send by January 20th.

BARGAIN OFFER NO. 4

Mail and Breeze.....1 yr.
Pictorial Review.....6 mo.
Household.....1 yr.
and a Calendar

All for \$1.40 \$1.15 Cash
and the 25c order coupon, if you send by January 20th.

BARGAIN OFFER NO. 5

Mail and Breeze.....1 yr.
McCall's Magazine.....1 yr.
Capper's Weekly.....1 yr.
People's Popular Monthly...1 yr.
and a Calendar

All for \$1.40 \$1.15 Cash
and the 25c order coupon, if you send by January 20th.

BARGAIN OFFER NO. 6

Mail and Breeze.....1 yr.
Today's Magazine.....1 yr.
Pictorial Review.....6 mo.
and a Calendar

All for \$1.55 \$1.30 Cash
and the 25c order coupon, if you send by January 20th.

BARGAIN OFFER NO. 7

Little Folks.....1 yr.
McCall's Magazine.....1 yr.
Mail and Breeze.....1 yr.
and a Calendar

All for \$1.90 \$1.65 Cash
and the 25c order coupon, if you send by January 20th.

BARGAIN OFFER NO. 8

Boy's Magazine.....1 yr.
McCall's Magazine.....1 yr.
Mail and Breeze.....1 yr.
and a Calendar

All for \$1.90 \$1.65 Cash
and the 25c order coupon, if you send by January 20th.

THIS COUPON GOOD FOR 25 CENTS

Mail and Breeze, Topeka, Kansas.

Gentlemen—Enclosed find \$..... cash and this order coupon is to count as 25 cents for which send me Bargain Offer No. I am to receive beautiful 1916 Calendar Free.

Name

Street or Route

P. O. State

This Coupon must be used by January 20th. You can send money-order, express order, check, stamps or silver well wrapped in paper.

Don't Miss This Great Profit Sharing Offer

**Use The Special Gift Coupon by January 20th
Send Your Order — Now — Today**

Address all mail to

MAIL AND BREEZE
CLUB DEPT. TOPEKA, KANSAS

Rams That Have Type

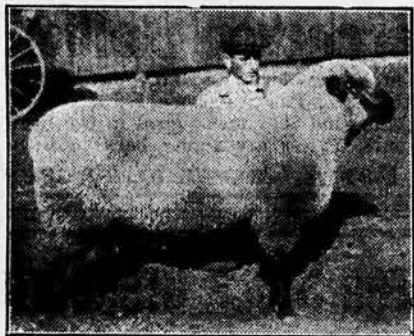
BY JOHN M. JONES.

The beginner should select a breed of sheep that best suits his fancy, and then stick to it instead of switching from one breed to another every few years. It might be well to consider that the consumer today demands a smaller mutton carcass than formerly. There is less waste to the smaller mutton and the small finished carcass sells at a higher price than that of the larger sheep.

The ram should be a typical example of the breed that he represents. In other words, he should be a "type" animal, type in this meaning style, conformation, and character. Type is a combination of distinct characters belonging to each breed. Type is not considered as always being of economical significance so far as a few individuals are concerned, but no matter how fine a specimen of an animal a breeder may own, he cannot compete in the show ring against other individuals of the same breed if he does not possess the breed type.

The sire should be carefully selected since, upon him, depends the entire female flock. The sire is often spoken of as being half the flock, which in reality is very true. A poor breeding ewe in the flock affects only a few; while the influence of a poor sire is felt by many.

The amateur sheepman should be a little skeptical about purchasing, for breeding purposes, animals that have been highly fitted for show, because on account of such a high degree of finish they often fail to breed, especially the first year. Before paying too high a



A Well Bred Ram is Necessary.

price for a sire the prospective buyer should examine some of his progeny, and determine whether he is good enough to head the flock. It is advisable to pay rather a high price for an animal whose merits are known rather than to pay exorbitant prices for young, untried sires. In a ram the breeder wants masculinity, which character is exemplified by a broad, short face; nose strongly inclined to be Roman; neck strong and full; depth and breadth of chest; strong back; thick loin; rump carried out straight to tail; thigh full, twist deep; animal standing squarely upon his legs and covered with a growth of good, elastic wool that densely covers the entire body. He should be of good size, active and showing quality. A sire possessing prepotency powers is the individual that should be in greatest demand.

Ram lambs should not be used for breeding purposes, as it quite frequently happens that they are mated too much and later, when matured, they prove to be non-breeders. A ram may be used in the flock until he has reached a good ripe age. So long as the mouth does not become broken and his activity is retained he can be successfully retained at the head of the flock.

A ram that has been overfitted usually possesses rolls over the ribs just back of the shoulders. The prospective buyer should carefully handle the ram in order to determine his condition. Deception often results from the trimming of the wool on an individual. In this way many weaknesses are covered up by the shears and cannot be detected wholly by the eye. The hands are the eyes of the sheep judge.

Must Have the Certificate

Does a person moving from Kansas to Missouri need a certificate showing his livestock to be in a healthy condition, certificate to be signed by a licensed veterinarian?

Hiawatha, Kan.

Yes; a certificate is necessary.

Ventilation is absolutely necessary. No flock will be healthy if deprived of fresh air.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Okla.,
614 So. Water St., Wichita, Kan.
John W. Johnson, N. Kansas, S. Neb.
and Ia. 820 Lincoln St., Topeka, Kan.
Jesse R. Johnson, Nebraska and Iowa. 1937
South 16th St., Lincoln, Neb.
C. H. Hay, S. E. Kan. and Missouri. 4204
Windsor Ave., Kansas City, Mo.

PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Jacks and Jennets.

Feb. 3—A. E. Limerick & Son, Columbia, Mo.
March 7 and 8—L. M. Monsees & Sons,
Smithton, Mo.
Mar. 20—G. C. Roan, La Plata, Mo.

Percheron Horses.

Jan. 13—P. G. McCulley, Princeton, Mo.
Jan. 17—Lee Brothers, Harveyville, Kan.
Sale at Manhattan.
Jan. 21—L. R. Wiley, Sr., Elmdale, Kan.
Sale at Emporia, Kan.

Percherons and Other Draft Breeds.

Jan. 25, 26, 27, 28—Breeders' Sale Co.,
Bloomington, Ill.; C. W. Hurt, Mgr.,
Arrowsmith, Ill.

Coach Horses.

Jan. 18—Jos. Wear & Son, Barnard, Kan.
Sale at fair grounds, Beloit, Kan.

Combination Breeders' Sale.

Jan. 25 to 28—F. S. Kirk, Mgr., Enid, Okla.
Feb. 15 to 18—F. S. Kirk, Mgr., Wichita,
Kan.

Shorthorn Cattle.

Jan. 12—J. W. Smith, Beloit, Kan.
Jan. 20—Richard Roenigk, Morganville,
Kan., at Clay Center, Kan.
Feb. 5—Frank Uhlig, Falls City, Neb.
March 22—Ruben Harshbarger & Son, Humboldt, Neb.
March 23—Ben Lyne, Oak Hill, Kan. Sale
at Abilene, Kan.

Holstein Cattle.

Jan. 27—E. S. Engle & Sons, Abilene, Kan.

Hereford Cattle.

March 4—Carl Behrent, Oronoque, Kan. Sale
at Norton, Kan.
March 6—Kansas Hereford Breeders, Manhattan, Kan. Prof. W. A. Cochel, Mgr.

Poland China Hogs.

Jan. 18—D. C. Lonergan, Florence, Neb.
Jan. 21—L. R. Wiley, Sr., Elmdale, Kan.
Sale at Emporia, Kan.
Jan. 21—A. F. Blinde and Geo. Brown; sale
at Auburn, Neb.
Jan. 25—A. J. Swingle, Leonardville, Kan.
Jan. 25—W. J. Crow, Webb, Ia.
Jan. 26—J. L. Griffiths, Riley, Kan.
Jan. 28—S. E. Wait, Blue Mound, Kan.
Jan. 31—S. A. Nelson & Sons, Malcolm, Neb.
Feb. 1—W. Z. Baker, Rich Hill, Mo.
Feb. 2—Wigstone Bros., Stanton, Ia. Sell
at Red Oak, Ia.
Feb. 2—Frazier Bros., Waco, Neb.
Feb. 3—H. J. Beall and Wisel Bros., Roca,
Neb.
Feb. 4—J. A. Godman, Devon, Kan.
Feb. 5—Fred B. Caldwell, Howard, Kan.
Feb. 5—Henry Pesenmeyer, Clarinda, Ia.
Feb. 9—C. A. Lewis, Beatrice, Neb.
Feb. 10—Wm. McCurdy, Tobias, Neb.
Feb. 11—W. E. Willey, Steele City, Neb.
Feb. 12—T. W. Cavett, Phillips, Neb. Sale
at Aurora, Neb.
Feb. 14—J. G. Burt, Solomon, Kan.
Feb. 15—K. S. A. C., Manhattan, Kan.
Feb. 16—Ed Sheehy, Hume, Mo.
Feb. 17—H. C. Graner, Lancaster, Kan.
Feb. 18—H. B. Walter, Effingham, Kan.
Feb. 18—J. H. Harter, Westmoreland, Kan.
Feb. 23—F. E. Moore & Sons, Gardner, Kan.
Feb. 25—A. J. Erhart & Sons, Ness City,
Kan. Sale at Hutchinson, Kan.
Feb. 29—E. M. Wayne, Burlington, Kan.
March 1—Clarence Dean, Weston, Mo. Sale
at Dearborn, Mo.
March 4—Carl Behrent, Oronoque, Kan. Sale
at Norton, Kan.
March 1—W. V. Hoppe & Son, Stella, Neb.
March 23—Ben Lyne, Oak Hill, Kan., Abilene, Kan.

Duroc-Jersey Hogs.

Jan. 5—Glen Keesecker, Washington, Kan.
Jan. 19—J. O. Hunt, Marysville, Kan.
Jan. 24—Geo. Briggs & Sons, Clay Center,
Neb.
Jan. 25—J. C. Boyd, Virginia, Neb.
Feb. 2—Martin Kelly, Verdon, Neb.
Feb. 5—J. H. Proett & Son, Alexandria, Neb.
Feb. 15—K. S. A. C., Manhattan, Kan.
Feb. 24—J. M. Layton, Irving, Kan.

Chester White Hogs.

Feb. 24—J. M. Layton, Irving, Kan.

S. W. Kansas and W. Oklahoma

BY A. B. HUNTER.

E. S. Hirschler, Halstead, Kan., offers at this time a lot of Duroc spring boars and gilts of fashionable breeding. They are all immune and every animal guaranteed. His prices are reasonable. Write him how many and what kind you want, mentioning Farmers Mail and Breeze.—Advertisement.

Choice Red Polled Bulls.

I. W. Poulton, Medora, Kan., called the writer by phone and stated that he had a number of choice Red Polled bulls to sell and when Mr. Poulton says they are choice it means they are extra good bulls. They are the kind that should go to head good herds. Several are show prospects and they will please whoever buys them. They

will not be priced any higher than they should sell. Please mention Farmers Mail and Breeze.—Advertisement.

N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

D. Ballantyne, Herington, Kan., who has been advertising Shorthorn cattle for sale in the Farmers Mail and Breeze, discontinues his advertisement with this issue. E. M. Hall of Carthage, Mo., recently visited Mr. Ballantyne at his farm and bought 47 head from him which is all he has for sale at the present time. Mr. Hall, a well known Shorthorn breeder, was pleased with Mr. Ballantyne's nice farm and his splendid herd of Shorthorn cattle. This is one of the biggest sales of Shorthorn cattle to be made in central Kansas in a good while.—Advertisement.

Great Herd Bull Opportunity.

L. P. Clark, Russell, Kan., is offering an unusually good 3-year-old Jersey bull that is kind and gentle and a splendid producer, at a very attractive figure. This bull is actually worth two or three times what Mr. Clark will ask for him. He is sold because Mr. Clark is keeping all of his heifers. If you can use a good bull just in his prime at a very low price for a bull in his worth write Mr. Clark at once. He was sired by the great bull Signal's Successor. Back of the bull on both sides is a long list of register of merit cows and the breeding is all that could be desired.

Farmers Mail and Breeze
Pays Advertisers

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—We assure you we are pleased with results so far as replies from the advertisement in your paper. Yours very truly,

A. V. ALEXANDER,
Real Estate Dealer.
Little Rock, Ark., Dec. 6, 1915.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Mr. Hay called on us shortly after we had written you and fixed up our contract. We are still receiving inquiries and today got an order for bred gilt from a boy representing Stafford county in the Capper Boys' Pig Contest. Are also furnishing gilt to represent our home county in same contest. Yours very truly,

P. L. WARE & SON,
Breeders of Poland Chinas.
Paola, Kan., Dec. 6, 1915.

Every week for years the Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

LIVESTOCK AUCTIONEERS.

Rule Bros., H. T. & R. D., Ottawa, Kan.

Livestock sales a specialty. Write for dates.

Jas. T. McCulloch, Clay Center, Kan.

References: I am selling for every year. Write for open dates.

WILL MYERS, BELOIT, KAN. LIVESTOCK AUCTIONEER

Reference, breeders of North Central Kan. Address as above.

R. L. Harriman, Bunceton, Mo.

Selling all kinds of pure bred livestock. Address as above.

Spencer Young, Osborne, Kan.

Livestock Auctioneer. Write for dates.

John D. Snyder, AUCT., successfully

sells pure bred live stock, real estate and general sales. HUTCHINSON, KAN.

Col. E. Walters Skedee

W.B. Carpenter 818 Walnut St. Kansas City, Mo.

Sell your farms and city property at auction, as well as your pedigreed livestock. Write either for dates. Also instructors in

Missouri Auction School

BALDWIN
DUROCS

Baby boars \$10. Baby sows \$15. Some nice bred gilts and tried sows at \$25 to \$40. A few spring boars left at \$15 to \$20. Some sows and gilts to farrow yet this fall. R. W. Baldwin, Conway, Ks.

Monday
January
3
1916

YOU CAN AUCTIONEER

If you attend our 4 weeks term opening January 3rd. Auctioneers Make Big Money You should be one of them.

Missouri Auction School

818 Walnut St. Kansas City, Missouri

Please mail your big, free catalog No. 10

Name.....

Address.....

DUROC-JERSEYS.

Durocs, Tried Sows Gilts, bred or open. 10 extra fine boars. A. C. HILL, HOPE, KANSAS.

25 Duroc Boars March and April farrow, tops. Crimson Wonder and Mo. Climax breeding. Spring gilts, bred or open. R. T. & W. J. GARRETT, STEELE CITY, NEBRASKA

Immune Durocs Spring boars and gilts, best of blood lines. E. S. HIRSCHLER, HALSTEAD, KANS.

50 Immune Duroc-Jersey Boars

Ready for service, \$25 to \$30 each. Yearlings at \$40. Females all ages, both bred and open. Red Polled bull calves up to serviceable age, also cows and heifers. Ton Percheron stallions. Everything guaranteed. Geo. W. Schwab, Clay Center, Neb.

Immured Durocs!

5 June boars, big, long, rangy kind. As good as ever looked through a pen. F. J. MOSER, GOFF, KANSAS

Wooddell's Durocs!

The best lot of spring boars and gilts we ever offered—Good E Nuff Again King, Graduate Col., and other good blood lines. G. B. Wooddell, Winfield, Kan.

BONNIE VIEW STOCK FARM

Spring pigs for sale, sired by Tat-A-Walla, Kant's Model Enough and A Critic; also two registered Holstein bulls, six months old. SEARLE & COTTE, BERRYTON, KANSAS

DUROC HOGS FOR SALE

The blood of champions. Entire herd: 2 herd boars, 10 herd sows, young boars, bred gilts, yearling gilts, 50 fall pigs, not related. BUCKEYE STOCK FARM, OLEAN, MO.

Royal Scion Farm Durocs

Choice fall and spring boars out of our best tried sows. One yearling boar, 17 in litter. Price to move. G. C. Norman, Route 10, Winfield, Kan.

Rice County Herd Durocs

FORTY fine fall, winter and spring boars. Sired by Good Enuff's Chief Col., G. M.'s Crimson Wonder, Col. Chief, Otey's Dream, Illustration II. From excellent dams. 30 days' special price. Write today; describe your wants. G. M. SHEPHERD, Lyons, Mo.

Trumbo's Durocs

25 Duroc boars, big, stretchy fellows; fashionable blood lines, all immune, \$25 each. Sold on approval. Write today. Wesley W. Trumbo, Peabody, Kansas.

Crocker's Immune Duroc Boars

100 Duroc spring boars for sale. Guaranteed immune and shipped on approval. No money down before you get the hog. Prices \$25 to \$35 each. F. C. Crocker, Filley, Nebraska

Good Durocs at 10c a Lb.

Fall and spring gilts, bred or open, fall and spring boars, they are good ones, sired by sons of B. & C.'s Col. and Graduate Col. Weanlings, \$8.00. Everything immune. Write for breeding sheet. MIKE SEIWALD, EUDORA, KANSAS

DUROC HERD BOARS IMMUNED

Boars and Gilts of large smooth, easy feeding type. From the Champions Long Wonder, Defender, Superba and Golden Model breeding. Gilts bred or open, also fall pigs. Prices reasonable. JOHN A. REED, LYONS, KANSAS.

Spring Duroc Boars and Gilts

All my spring gilts and boars at private sale. Gilts bred or open. Will breed them if desired to either Prince of Col. Wonder or Taylor's Model Chief. Write me. DR. E. N. FARNHAM, HOPE, KAN.

Jones Sells On Approval

August and September pigs for sale. Prices right. Farm raised White Wyandottes. Eggs 50c per setting. W. W. JONES, CLAY CENTER, KAN.

BANCROFT'S DUROCS

Everything on the farm properly immunized. No public sales. For private sale: spring boars; also gilts open or bred to order for spring litters and September pigs, either sex, when weaned. Reasonable prices on first class stock.

D. O. BANCROFT, Osborne, Kans.

(Shipping Point Downs, Kans.)

POLAND CHINAS.

Spring Boars by King Hadley Large, big-boned, smooth kind. Must sell quickly. Write J. B. MYERS, GALVA, KANSAS

POLANDS Sired by grand champions and out of prize winning sows. Prices reasonable. W. Z. BAKER, RICH HILL, MO.

25 BOARS IMMUNE POLANDS Will ship on approval. Customers in 10 states like my hogs, so will you. Prices right. G. A. WEIBE, BEATRICE, NEBRASKA.

Immune Boarson Approval 10 extra choice Poland China boars at \$25 each on approval. Write W. A. McIntosh, Courtland, Kan.

ENOS IMMUNED POLANDS Fall and spring boars sired by the noted herd boars Orphan Chief and Mastodon King. Will sell a choice lot of my herd sows and gilts bred for early spring farrow. 100 head to pick from. Everything guaranteed immune. Write or phone. A. R. ENOS, RAMONA, KANS.

BLOUGH'S BIG POLANDS I am offering a choice lot of big, growthy, heavy boned boars out of 700 and 800 pound sows of the best big type breeding. At most reasonable prices. Everything guaranteed immune for life. JOHN M. BLOUGH, BUSHONG, KANSAS

Original Big Spotted Poland! 85 Fall pigs, both sexes, pairs and trios not related. April and May boars and gilts. Write at once. ALFRED CARLSON, CLEBURNE, KANSAS

FAIRVIEW POLAND CHINAS For sale: Several heavy-boned fall and spring boars. Also choice spring and fall yearling gilts, bred for March and April litters. Bargains. Write us. P. L. WARE & SON, PAOLA, KANSAS

Large Type Poland Spring boars, by the great boar, Logan Price, and others of note. Over 50 prizes won this year at leading fairs. All immune. Satisfaction guaranteed. Write today. OLIVIER & SONS, DANVILLE, KANSAS

Big Type Poland China Boars I am offering big, stretchy spring boar pigs at reasonable prices. Some of the best blood in Mo. Come and see them or write R. F. HOCKADAY, PECULIAR, MISSOURI

BIG TYPE POLAND CHINAS Big March and April boars priced to move; also a choice fall herd boar. Gilts bred to your order, to a great son of King of Wonders. Fall pigs. Write me. ANDREW KOSAR, DELPHOS, KANSAS

IMMUNE POLAND CHINAS Some extra fine stretchy boars and gilts, just right for early breeding. Some bred sows and gilts. The best of big type breeding, cholera proof and at farmers prices. We guarantee in every way. ED. SHEEHY, HUME, MISSOURI

Original Big Spotted Poland 20 March boars—20 March gilts. Tops of 100 head. 15 fall gilts bred or open. The big litter kind. Address R. H. McCUNE, Longford, (Clay Co.) Kan.

Private Sale Spring Gilts—Bred or Open, at Farmer's Prices. September Pigs—Pairs and trios not related. I guarantee everything I sell. John Coleman, Denison, Ks. (Jackson County.)

Big Type Poland Herd headed by the 1,020-pound Big Hadley Jr., grand champion at Hutchinson State Fair, 1915, was also first in class at Topeka and Oklahoma State Fairs. Our herd won more first prizes in the open classes at Oklahoma State Fair than any other Poland China herd. Young stock for sale. A. J. Erhart & Sons, Ness City, Kan.

O. I. C. HOGS. LYNCH'S IMMUNE O. I. C.'s. Boars and gilts not related. W. H. LYNCH, Reading, Kan.

Western Herd O. I. C. Hogs Spring boars and gilts for sale. Also fall pigs not related. Get my prices. F. C. GOOKIN, RUSSELL, KANS.

75 Chester White Spring Boars Chief Select and White Rock breeding. No culls. \$25 each. Also few choice gilts. Inspection invited. AMOS TURNER, WILBER, NEBRASKA, (SALINE CO.)

Smooth Heavy Boned O.I.C.'s Pigs not akin from two months up. Boars not related to gilts and sows. Best of breeding at farmer's prices. Write today for circular. F. J. GREINER, BILLINGS, MO.

Alma Herd "Oh I See" Hogs of Quality A trial will convince you; anything sold from eight weeks on up. All stock shipped C. O. D. on receipt of \$10. Write for price list. HENRY FEHNER, ALMA, MISSOURI

The Scuttles O. I. C.'s WHITE HOGS OF QUALITY The largest pure bred herd of O. I. C.'s in the U.S. and with the greatest show record behind them. Carefully selected breeding stock, either sex, of the highest class, priced right and shipped to you on approval. L. W. & R. H. SCOTT, Nelson, Missouri

Write Mr. Clark at once if you want a bull of value at a very low figure.—Advertisement.

Workman's Angus and Durocs. Johnson Workman, Russell, Kan., attended the big dispersion sale of Angus cattle held by W. J. Miller, Newton, Ia., recently and bought several head for his herd of Angus cattle at Russell. In the Miller herd is the great cow Barbara Woodston, a half sister to Louis of Viewpoint, the herd bull at the head of Mr. Workman's herd. Barbara Woodston was the leading cow in all the great shows for three years. Mr. Workman is a regular advertiser in the Farmers Mail and Breeze and has at the present time 20 head of yearling and coming 2-year-old bulls for sale. He will also sell a few choice cows. His Duroc-Jersey advertisement appears regularly in the Duroc-Jersey column and he is offering for sale 40 Duroc-Jersey fall yearling gilts and some that have already raised one litter. Write Mr. Workman for prices on bulls and also on Duroc-Jersey bred sows.—Advertisement.

Bulls Out of A. R. O. Cows. Mott & Seaborn, Herington, Kan., are starting their Holstein advertisement in this issue of the Farmers Mail and Breeze. Their big Holstein cattle sale at Maplewood Farm, Herington, Kan., in November was very likely the best Holstein sale ever held in Kansas. Canary Butter Boy King, the great sire at the head of the herd, was largely responsible for the big average of prices as much of the offering was bred to him or had calves by him at foot. He is a wonderful individual and a more wonderful sire. The first six of his helpers to freshen made from 14 to 23 pounds of butter in seven days and under ordinary conditions on a western Kansas farm. They are offering for sale two young bulls sired by him and out of A. R. O. cows. Look up their advertisement in this issue of the Farmers Mail and Breeze and write them for prices and further information about their herd. Visitors are always welcome at the Maplewood Farm and when you are in Herington call and see Mr. Mott at his office.—Advertisement.

Big Type Registered Durocs. F. M. Moser, Goff, Kan., is advertising five June boars in this issue of Farmers Mail and Breeze. Mr. Moser is a regular advertiser in our Duroc-Jersey section and is getting splendid results from his advertising. He has sold all of his spring boars and his customers are well pleased with their purchases. The June pigs are by Mr. Moser's splendid breeding boar Fancy Pal. Mr. Moser writes that these pigs are as good as ever looked through a pen; they are the long, big, rangy kind with big bones, extra well sprung ribs and fine head and ears. Recently Crimson Ruler 161141, a grandson of Crimson Wonder Again and out of Prairie View Belle 2d by Golden Ruler, was purchased as assistant herd header to the Moser herd. He will be used on the Fancy Pal gilts. This will no doubt produce some very high class pigs and a little later Mr. Moser will offer some of these gilts to our readers. If you want a strictly high class boar write Mr. Moser about the five he is advertising, and kindly mention Farmers Mail and Breeze.—Advertisement.

Nebraska

BY JESSE R. JOHNSON.

The fact that Amos Turner, the big Chester White breeder of Wilber, Neb., has already sold 30 spring boars doesn't mean that he can't still fill orders, neither does it mean that he can't fill orders with good ones. Amos started into the boar season with 75 boars and still has about 25 good ones. But boars are now being sold and sent out every day and the supply will soon be exhausted. Mr. Turner has one of the greatest bunches of gilts ever seen on a Nebraska farm and announces a bred sow sale to be held January 20 or 21. Application can be made any time for catalog. Mention this paper when writing and watch for later announcement.—Advertisement.

Wiebe's Immune Poland.

G. A. Wiebe of Beatrice, Neb., is offering a choice lot of Immune Poland Chinas, in this issue of Farmers Mail and Breeze. His offering includes 25 boars and 30 gilts. He will ship these hogs on approval. He has customers in 10 states who have bought his hogs and come back after more. You will like them if you give him an order. His prices are right. Mr. Wiebe and his son are not only breeders of the extreme large type Poland Chinas but of prize winning White Wyandotte chickens. Mr. Wiebe is a life member in the National White Wyandotte Club and a stockholder in the National Poland China Record association. We recommend Mr. Wiebe and the hogs he has to offer.—Advertisement.

Durocs, Red Polls, Percherons.

Geo. W. Schwab, our Clay Center, Neb., advertiser, writes that he still has for sale 50 choice immune spring Duroc boars, and some fall yearlings; also plenty of sows and gilts that he can sell either bred to his great boars or open. He has some nice Red Polled bulls, ready for service and a lot of calves; also some cows and heifers. Mr. Schwab states that he was never before so well supplied with big Percheron stallions. He says he has some of the largest stallions for their age he ever saw. Mr. Schwab sold three stallions during September for \$5,400. If you need anything in this line of registered stock write Mr. Schwab and always mention this paper.—Advertisement.

Garrett's Sell Boars Fast.

R. T. & W. J. Garrett, the Duroc-Jersey specialists of Steele City, Neb., report fine trade in both boars and gilts. However they started into the season with a big supply of boars and still have about 18 good ones left, but at the rate they are now moving they will soon all be sold. Among the sales of the fall boars was a very choice one to head the good herd of J. B. Swank of Blue Rapids, Kan. Mr. Swank selected this boar after visiting fully a dozen good herds in Kansas and Nebraska. A young boar for use in breeding gilts and assisting the other herd boars has been selected from the herd of Gilbert Van Patten of Sutton, Neb. He was sired by Crimson Echo 2d, a grandson of Echo Crimson Wonder, grand champion of Nebraska in 1914.

DUROC-JERSEYS.

40 DUROC-JERSEY Bred fall yearling gilts for sale. Some have raised litters. Write for prices. JOHNSON WORKMAN, Russell, Kan.

BERKSHIRES.

Hazlewood's Berkshires! Yearling gilts, bred. Spring pigs priced for quick sale. W. O. HAZLEWOOD, WICHITA, KANSAS

25 March Gilts Bred or open. 10 yearling and two year old sows, bred to order or open. H. J. LINSKOTT, HOLTON, KANSAS

Do Not Write Bayer & Sons for Cheap or Inferior BERKSHIRES They want to sell you quality and breeding guaranteed worth the money. We have a few choice boars of serviceable age at reduced prices to make room for youngsters. Write your wants. J. T. Bayer & Sons, Yates Center, Kan.

HORSES.

HOME-BRED PERCHERON, BELGIAN, SHIRE Stallions and mares for sale at \$250 to \$400 each except two. Also Imported Stallions. Frank L. Stream, Creston, Iowa

JACKS AND JENNETS.

Jacks and Jennets 14 large, good boned black Jacks coming 3 to 7 years old. If you want a good Jack at the right price or a few good Jennets we can deal. Write or call on



Phillip Walker
Moline, Elk County, Kansas

JACKS and PERCHERONS 40 Big Black Mammoth Jacks: Young Black Ton Percheron Stallions and Mares. Extra Quality.

Reference the five banks of Lawrence, Kan., 40 miles west of K. C. on the U. P. and Santa Fe.

Al E. Smith, Lawrence, Kansas



Registered Percheron Stallions and mares for sale. Mares in foal and stallions well broke to service. L. E. FIFE, NEWTON, KAN.

Harris Bros. Percherons 30 Stallions 60 Mares

If you want Percherons come and visit our barns and pastures where you can see a splendid assortment from which to select. They are all registered in the Percheron Society of America, are strong in the best imported blood and have size, bone and conformation that cannot help but please you. We expect to sell you when you come because we have the right kind and at right prices. Write today stating when you will come. HARRIS BROS., GREAT BEND, KANSAS

Registered Percheron Stallions

19 Ton and 2200 lb. four and five-year olds, 34 coming 3's, 17 coming 2's. Grandsons of International champion, PINK. 23 registered mares for sale. Just above Kansas City. FRED CHANDLER PERCHERON RANCH, R. 7, Charlton, Ia.



Bishop Brothers Percheron Stallions

Our stallions are two and three year olds. Very large, drafty type, with conformation and QUALITY. Pasture grown, fed in outdoor lots with outdoor exercise; the kind that make good in the Stud. If you want a stallion see ours. Prices are right; barn in town. Bishop Brothers, Box A, Towanda, Kansas

Marshall Co. Pure Bred Stock Breeders

Nothing but first class animals offered for sale for breeding purposes. It is economy to visit herds located in one locality. For the best in purebred livestock write these breeders or visit their herds.

HEREFORD CATTLE. Willowbrook Farm Herefords Yearling and two-year-old heifers for sale. Also a choice lot of young bulls. B. M. WINTER, IRVING, KANSAS

HEREFORDS—POLANDS Herds established 30 years. 125 Herefords. 90 spring pigs, and 18 bulls, 11 to 15 months old, for sale. S. W. TILLEY, IRVING, KANSAS

Choice Young Bulls For Sale Sired by 34th 39767 and Real Majestic 373628. Write your wants. J. F. SEDLACEK, BLUE RAPIDS, KANSAS

PRESTON HEREFORDS Herd established in 1881. Come to Marshall county for Herefords. Address F. W. PRESTON, Blue Rapids, Kansas

Choice Two-Year-Old Bred Heifers and a Feb. bull for sale. Also 10 spring bulls. Address, GEO. E. MILLER, Blue Rapids, Kansas

Hereford Cattle All sold out of serviceable bulls at present. Will have some for spring shipment. B. E. & A. W. GIBSON, Blue Rapids, Kan.

Home of Parsifal 24th 150 head. Write me about a good herd bull. 25 spring bulls for this fall's trade. C. G. STEELE, BARNES, KANSAS

Wallace Herefords Inspection invited. Write for prices and descriptions. THOS. WALLACE, BARNES, KAN.

Wm. Acker's Herefords! About 25 spring bulls for this fall and winter trade. Address WM. ACKER, Vermillion, Ks.

Clear Creek Herefords— Choice last March bulls for fall and winter trade. 30 breeding cows in herd. J. A. SHAUGHNESSY, Axtell, Kansas

HEREFORDS Big and rugged. Farm 2 miles out. W. B. Hunt & Son, Blue Rapids, Kan.

DAIRY CATTLE. Mills' Jerseys One 16 month bull. Bull calves from Aquas' Last Time 124813. R. C. R. I. Red cockerels, 75c each. C. H. MILLS, WATERVILLE, KANSAS

WILLOW SPRINGS JERSEY FARM Golden Fern's Lad's Last Time 25562 at head of herd. Offers a few young bull calves. Joseph Krasny, Waterville, Kan.

JERSEY BULL By a grandson of Golden Fern's Lad, out of a 500 pound cow. Price \$50. Duroc-Jersey spring pigs for sale. B. N. WELCH, Waterville, Kan.

HOLSTEINS Cows and heifers for sale. Registered and grade. Address LAOKLAND BROS., AXTELL, KANSAS

SHORTHORN CATTLE. For Sale: Two Pure Scotch bulls and a Scotch topped heifer. Farm near Irving, Kansas. On Union Pacific and Central Branch of Missouri Pacific. DR. F. C. McCALL, Irving, Kan.

Eight Bulls reds and roans. 8 to 18 months old. Scotch and Scotch topped. Write for prices. G. F. HART, Summerfield, Ka.

Shorthorns, Poland 1 yr. bull for sale. 1 tried herd boar for sale. March and April boars. A. B. Garrison & Son, Summerfield, Kansas

10 Shorthorn Bulls 5 yearlings in September. 5 March and April calves. Write for prices. H. A. BERENS, SUMMERFIELD, KANSAS

HAMPSHIRE HOGS. Registered Hampshires Top boars and gilts not related. F. B. WEMPE, Frankfort, Kansas

POLAND CHINA HOGS. Albright's Poland For Sale, Jan. 12 last fall gilts 34 March and April boars and gilts. A. L. ALBRIGHT, WATERVILLE, KAN.

10 Fall Yearlings bred to Kansas Sunflower. Tops of my spring gilts bred to order. Spring boars extra good. Write N. E. Copeland, Waterville, Kans.

DUROC-JERSEY HOGS. Red Polls, Duroc-Jersey, and O. I. C. hogs. Boars of both breeds at reasonable prices. Bred sow sale, Feb. 24. J. M. LAYTON, IRVING, KAN.

ILLUSTRATOR We offer choice gilts bred to a splendid son of Illustrator. Also spring boars. Address A. B. Skadden & Son, Frankfort, Kansas

W. J. HARRISON AXTELL, KAN. Red Polled cattle, Duroc-Jerseys and white Leghorns. Breeding stock for sale. Correspondence invited.

Spring Boars by five different sires. A royal lot of big stretchy fellows and only the tops offered. HOWELL BROS., HERKIMER, KAN.

FANCY POULTRY. Plymouth Rocks Barred (Thompson strain) and white. Stock for sale. Eggs in season. Address JOHN BYRNE, Axtell, Kansas

AUCTIONEERS. S. B. CLARK, SUMMERFIELD, KANS. AUCTIONEER. Write or phone for dates, address as above.

Jesse Howell, Herkimer, Kan. of Howell Bros. breeders of Durocs and Herefords can make you money on your next sale. Write for dates.



HAMPSHIRE.

REGISTERED HAMPSHIRE HOGS Bred gilts and nice ly belted pigs, priced reasonable. C. I. Buck, Canton, Okla.

REGISTERED HAMPSHIRE 150 gilts and boars, all ages. Cholera immuned. Description guaranteed. C. E. LOWRY, Oxford, Kan.

Shaw's Hampshires

150 registered Hampshires, all ages, nicely belted, best of breeding, all immuned double treatment. Satisfaction guaranteed. Priced to sell. **WALTER SHAW, Jr., Wichita, Kan.**

POLLED DURHAMS.

Double Standard Polled DURHAMS

Six yearling bulls. A number of under yearling bulls, 2 good French draft stallions and some jacks. C. M. HOWARD, Hammond, Ks.

ABERDEEN-ANGUS.

Aberdeen Angus Cattle Herd headed by Louis of Viewpoint 4th. 15024, half brother to the Champion cow of America. **Johnson Workman, Russell, Kan.**

ANGUS BULLS

Five from eight months to one year old. Females for sale, bred or open. Farm joins town. Correspondence and inspection invited. **W. C. Denton, Denton, Kans.**

GALLOWAY CATTLE.

Walter Hill's Galloways!

For Sale: 14 choice yearling heifers and six bulls same age. Also a few choice bred cows. Address **WALTER HILL, (Dickinson Co.), Hope, Kan.**

Bulls, Cows, Heifers

CAPITAL VIEW GALLOWAYS I want to sell 200 head and will make special prices or next twenty days. Breeding same as my show herd. **G. E. CLARK, 205 W. 21st St., TOPEKA, KANSAS.**

HEREFORDS.

Registered horned and double standard polled **Hereford Bulls For Sale** Also a few horned heifers. **JOHN M. LEWIS, LARNED, KANS.**

Blue Valley Breeding Farm

FOR SALE. One No. 1 herd bull at \$200; 10 head of good young bulls from \$75 to \$100 delivered; 7 head of heifer calves at \$75 per head; 10 head of Poland bears from \$15 to \$25 delivered. One No. 1 large herd bull at \$50. 40 B. P. Rock cockerels \$1.00 to \$2.50 each delivered.

Fred R. Cottrell, Irving, Kansas

RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle. **C. E. FOSTER, R. R. 4, Eldorado, Kansas.**

Pleasant View Stock Farm Red Polled cattle. Choice young bulls and heifers. Prices reasonable. **HALLORIN & GAMBRILL, Ottawa, Kansas**

RED POLLED CATTLE Choice young bulls, best of breeding. Prices reasonable. **L. W. POULTON, Medora, Kan.**

Riley County Breeding Farm
75 Red Polls, 45 Percherons

A choice lot of young bulls for sale. 12 of them by a son of Cremona, the 18 times champion. Visitors welcome. Farm near town. Address **Ed Nickelson, Owner, Leonardville, Kansas**

JERSEY CATTLE.

Lad of Nightingale by the great Signal's Successor. 3 yr. old. Gentle. Keeping his heifers. Write for price. **L. P. CLARK, Russell, Kan.**

QUIVERA JERSEY COWS pay at the pail. A few good bred cows for sale. Males for sale at all times. **E. G. Munsell, Herington, Kansas**

LINSOTT JERSEYS

First Register of Merit herd in Kansas. Est. 1878. Oaklands Sultan, 1st Register of Merit sire in Kansas, is dead. Last chance to get one of his daughters, \$100. **R. J. LINSOTT, HOLTON, KAN.**

The All-Around Jersey

is the farmer's cow. She's his friend and pride—the beautiful, gentle, ever-paying milk machine that lifts the mortgage, builds up the fertility of the farm, and puts the whole business on a sound, paying, permanent basis. She adapts herself to all climates and all feeds and does not need fancy care. She matures early and lives long. And she's so sleek, clean cut and handsome, as to be the family pet and pride. She produces well and sells well. Learn about her in our fine, free book, "About Jersey Cattle." Write for it now.

THE AMERICAN JERSEY CATTLE CLUB
355 West 23d St., N. Y. City

If you need a good young bear or a choice bred gilt write any time and mention this paper.—Advertisement.

S. E. Kan., S. Mo. and E. Okla.

BY C. H. HAY.

For a number of years our readers have been familiar with the name of Samuel Drybread, a leading Hereford cattle and Duroc-Jersey hog breeder of southeast Kansas. Mr. Drybread's Hereford ad will not appear in the Farmers Mail and Breeze till in January, but you will find Mrs. Drybread's ad in the poultry columns now. She is offering some of the finest Barred Rock cockerels ever produced in the state. They are the product of American Royal champions and certainly show their breeding. Look up this ad and write today if you want some choice cockerels.—Advertisement.

Buckeye Stock Farm Durocs.

R. W. Taylor of Olean, Mo., proprietor of the Buckeye Stock Farm, is offering to sell his entire herd of prize winning Duroc-Jerseys. The special feature in this offering is the herd boar King Chieftain 145717. He is sired by Crimson Col. 1 Am. first prize boar in class at Missouri State Fair, 1912, and out of Belle of Chiefs, first prize sow in class at Missouri State Fair and American Royal in 1911 and 1912. King Chieftain was farrowed February 19, 1913, and is just now in his prime. He is priced at \$100 and is worth much more money. He is being offered for the reason that Mr. Taylor is retaining a large number of his gilts in his herd. Look up Mr. Taylor's ad in this issue and write him for further particulars. Kindly mention this paper when writing.—Advertisement.

The Lamer Sale Successful

It was the usual big crowd that attended the C. W. Lamer annual Percheron horse sale at his Pioneer stock farm south of Salina, Kan., last Wednesday. A Union Pacific special carried the visitors from Salina to the station at the farm in the morning and back in the evening. The sales amounted to almost \$20,000. Among the prominent buyers who bought registered Percherons was Howard M. Jay of Longmont, Colo., who bought 15 choice mares and fillies for his Jarosa fine stock ranch at that place. E. E. Fry of Thomas, Okla., also was a good buyer. O. A. Kenyon of Little River was a good buyer and topped the sale when he paid \$1400 for the 3-year-old stallion Le Capitaine and the best stallion sold at auction for a long time. Dr. Fretz of Junction City, Kan., was a good buyer. Here is a list of the principal purchasers:

Mares.

1—Alpha, June, 1911, Howard M. Jay, Longmont, Colo.	\$325.00
2—Maud, June, 1910, Howard M. Jay.	375.00
3—Minta, May, 1911, Dr. Fretz, Junction City, Kan.	235.00
4—Mollie, September, 1907, T. G. Gasser, Hays, Kan.	240.00
5—Cynthia, November, 1913, George Kern, Bavaria, Kan.	300.00
6—Onetoe, May, 1913, Howard M. Jay.	220.00
7—Umatilla, June, 1913, Howard M. Jay.	310.00
8—Flo, May, 1913, Howard M. Jay.	350.00
10—Martha, October, 1914, O. A. Kenyon, Little River, Kan.	315.00
11—Nell, June, 1914, Howard M. Jay.	200.00
12—Tip, May, 1914, Howard M. Jay.	200.00
13—Bessie, May, 1909, Howard M. Jay.	425.00
14—Mable, June, 1898, Walter Jansen, Lincoln, Kan.	210.00
15—Jody, May, 1913, Howard M. Jay.	220.00
17—Miss Lamer, June, 1912, Howard M. Jay.	340.00
18—Lena, March, 1912, Howard M. Jay.	330.00
19—Jared, April, 1912, Howard M. Jay.	450.00
20—Ava, May, 1912, Howard M. Jay.	297.50
40—Mare 5 years old, Howard M. Jay.	440.00
41—Mare 6 years old, Howard M. Jay.	440.00
42—Dr. Fritz	525.00
44—S. Walker	245.00

Stallions

21—Le Capitaine, June, 1912, O. A. Kenyon	\$1,400.00
22—Halcourt, September, 1913, E. E. Fry, Thomas, Okla.	500.00
26—Kabin, March, 1910, W. A. Hanson, Salina, Kan.	725.00
36—Max, May, 1914, Dr. Fritz.	180.00
37—Lair, May, 1914, Blaine Foster, Talmage, Kan.	390.00
39—Norvin, April, 1914, E. E. Fry.	425.00

A Cruel Girl

As the witching hour of twelve approached he waxed a trifle bolder. "Won't you let me take a kiss?" he begged.

"What is the difference between a kiss and a street car?" responded the girl, with apparent intent to change the subject.

"I don't know."

"Then you won't miss anything by taking the street car."

Logy

O'Brien—"Clancy's married a woman that weighs 300 pounds."

Mulligan—"He's the shly wan! He knows nobody can fight at that weight."

HOLSTEIN CATTLE.

Holsteins For Sale high bred registered bulls ready for service. **N. S. AMSPACKER, JAMESTOWN, KANS.**

Sunflower Herd Registered Holsteins 50 in herd. Attractive prices on springers, bred cows and heifers. Bull calves. **F. J. Searle, Oskaloosa, Kan.**

Segrist & Stephenson, Holton, Kansas Prize winning registered Holsteins. Bulls from three months to yearlings for sale. Address as above.

For Sale: Two FINE GRADE Holstein Bulls Also choice Holstein heifers. **Lone Star Dairy Farm, Mulvane, Kans.**

BRAEBURN HOLSTEINS

20 years breeding, with better sizes at every change. Write me for bull calves with this backing. **H. B. Cowles, Topeka, Kan.**

Holstein Cattle

Herd headed by a grandson of Pontiac Korndyke. Average record of dam and sire's dam, butter 7 days, 20.4 pounds, 29 days 117.3 pounds. Bull calves for sale from extra good producing dams. **T. M. EWING, INDEPENDENCE, KANSAS**

FOR QUICK SALE

A large number of highly bred, registered Holstein-Friesian cows and heifers; good ages, and good producers. Also several bulls from calves a few weeks old up to yearlings. Ready for service. **HIGGINBOTHAM BROS., ROSSVILLE, KANSAS.**

HOLSTEIN CATTLE.

HOLSTEINS Registered Holstein bulls, ready for service from high pedigree. Priced to sell. Write for description and record cows. **David Coleman & Sons, Denison, Kansas**

Bonnie Brae Holsteins

90 HEAD. I have an especially nice lot of young cattle to offer at this time, consisting of high grade heifers from 1 1/2 to 3 years, to freshen this fall and winter; young cows from 3 to 5 years old; a few registered females from 2 to 5 years of age, also registered bulls from 6 months to a year old. Why not buy the kind that makes good? I sold the three highest record grade cows for both milk and butterfat in the State of Kansas. Will sell any number. **IRA ROMIG, Station "B", TOPEKA, KANSAS.**

Some of the best Holstein breeding stock can be purchased at the **TREDICO FARM, KINGMAN, KAN.** PRODUCTION, BREEDING, Tuberculin Tested Herd

CANARY BUTTER BOY KING

Conceded the best Holstein Bull in Kansas. Two extra choice young bulls, sired by him and out of A. R. O. cows. Write for prices. **MOTT & SEABORN, HERINGTON, KANSAS**

150—Holstein Cows—150

You are invited to look over our herd of Holsteins before you buy. We have 150 high grade cows and heifers and a lot of registered bulls to go with them. **Three Cows and a Registered Bull \$325** 50 cows in milk and 40 that will freshen before January. Come and see our cattle. Bring your dairy expert along. The quality of the cows and our prices will make it easy for us to trade. Come soon and get choice. **LEE BROS. & COOK, HARVEYVILLE, KANSAS**



HOLSTEIN HEIFERS

Springers, coming 2 and 3 years, single lot or car loads. Also a few registered and high grade bulls, ready for service. Wire, phone or write. **O. E. TORREY, TOWANDA, KANSAS**

CLYDE GIROD, At the Farm. F. W. ROBISON, At Towanda State Bank.

HOLSTEIN FRIESIAN FARM Towanda, Kansas

M. M. Mercedes, Plotterje Homestead No. 156587 at head of Herd. Pure bred and high grade Holsteins, all ages. Large selection, 225 head to choose from. 140 springing cows and heifers, all the right type in calf to pure-bred bulls strong in the blood of the best milking strains, to freshen soon, as well as fresh cows on hand. Our pure-bred heifers are choice, some with A. R. O. records under three years of age. 15 pure-bred bulls, ages 6 to 24 months all out of A. R. O. dams and from Record Sires. Bring your Dairy expert, the better informed the easier to please. Wire or write your wants.

GIROD & ROBISON, TOWANDA, KANSAS



240—Holsteins—240

In the 240 head you have to select from are 116 very large heifers that will freshen within 30 to 60 days. The 130 in March, April and May. All are of the best markings, having been bred up till practically full bloods, all are bred to registered bulls of the best blood. Will make bargain prices for sixty days.

J. C. Robison, Towanda, Kans.

SHORTHORN CATTLE

Shorthorn Bulls For Sale! Six heifers, two-year-olds. Reds and roans. **L. M. NOFFSINGER, OSBORNE, KANSAS**

Pure Bred Dairy Shorthorns

Double Marys (Flat Creek Strain) and Rose of Sharon families. Registered Poland Chimus. Breeding stock for sale. Address **R. M. ANDERSON, Beloit, Kansas**

Shorthorns

20 bulls and heifers sired by Duchess Searchlight 348529, a 2500 pound bull, and from cows weighing 1400 to 1600 pounds. Good milkers. Come or write. **A. M. Markley, Mound City, Kansas**

SHORTHORN CATTLE

I have 50 head of registered Shorthorn cattle—40 cows and heifers and 10 young bulls. Best families. Write your wants. **JOHN O. HUNT, MARYSVILLE, KANSAS**

Stephenson's

SHORTHORNS

Yearling bulls and early spring bull calves, reds and roans, by Cherry Knight 343761, by Barnton Knight and out of Cherry Bud. Every one a good individual. All vaccinated. Priced very reasonable. Shipment main line of the Santa Fe. **H. C. STEPHENSON, CHASE CO., CLEMENTS, KAS.**

SHORTHORN CATTLE.

SHORTHORNS

Two bulls, one red and one white. Priced to sell. **C. E. HILL, TORONTO, KAN.**

SCOTCH AND SCOTCH TOPPED BULLS

from 8 to 18 months old. Sired by **Secret's Sultan**

Write for descriptions and prices. Inspection invited. Farm near Clay Center.

S. B. Amcoats, Clay Center, Ks.

PEARL HERD

Shorthorns

Valiant 346162 and Marengo's Pearl 391962 in service. 20 choice bulls 10 to 20 months old, reds and roans, for sale. Thrifty and good prospects. Scotch and Scotch topped. Correspondence and inspection invited.

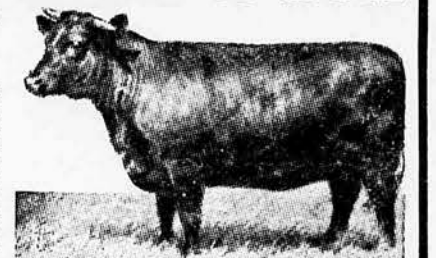
C. W. TAYLOR, Abilene, Kans.

Shorthorns Priced to Sell

16 COWS AND HEIFERS, ALL IN CALF. 10 SPRING CALVES, HEIFERS. 11 SPRING CALVES, BULLS. 1 COMING TWO-YEAR-OLD BULL.

Included are such cows as Bonnie Maid, by Scotch Duke and tracing to Imported Rose of Sharon; Miss Sparks, by Red Bud and tracing to Imported Young Mary; Highland Lassie, by Aubine Duke and tracing to Imported Adelaide; Miss Walker, by Aubine Duke and tracing to Imp. Young Phyllis; Goldie, by Golden Mariner and tracing to Imp. Arabella. The young bulls and heifers are by and the cows and heifers are in calf to the Scotch bull Pride of Aubine, by Silvery Knight and out of Sunny Secret, tracing to Imp. St. Leonwert, by Royal Victor. We are going to move and these cattle must sell soon. Write or call on

A. T. ELY, PEABODY, KANSAS



GREATEST

Cream Separator Offer

The Melotte — the wonderful Melotte — the Great Belgian Cream Separator—the prize winner all over Europe—now to be shipped anywhere in the U. S. —and on the most sweeping introductory offer. The best of all separators in Europe or America—yours on this Rock-Bottom free trial offer. The Melotte introduced a year ago swept the country even with the duty on. Those who knew cream separator values were glad to pay it. Now you pay the same price you would pay in Belgium, plus only \$1.75 for water freight.

Good News from Belgium The wonderful Melotte Cream Separator factory which is only four miles from Liege and which has not been injured in the war, is now again able to export to the United States. Every possible concession is made to American farmers on this remarkable machine—acknowledged the best separator in the world. You get the rock-bottom price, the same price that the Melotte factory has charged direct on its own shipments in Europe, plus only the ocean freight of \$1.75.

We do not know how many of these Belgian separators we can get. Two shipments have arrived. Write at once for booklet explaining our great offer. Don't delay. If you want the best separator ever made and want it on this remarkable offer. Write at once for booklet.

Free Duty Cuts \$15.25

The high tariff has been cut right off—the great Melotte comes in absolutely free of duty! You win! The American farmer can now get the world's best—the grand prize-winner of all Europe—at a price \$15.25 lower than ever before.

For the first time in the history of cream separator selling in America the price of this famous imported Belgium Separator machine is cut. No duty now. The free tariff enables us to make a cut to you which gives you the one opportunity you have been waiting for to get the world's greatest machine at the price of an ordinary separator.

You cannot compare any other separator to the Melotte—the lat-

Sent Without a Penny Down —30 Days Free Trial

Your simple word that you would like to see this cream separator in your own barn or dairy house brings it to you instantly. We send you the Melotte without a bit of quibbling or hesitancy. We neither ask nor want you to send a penny. We don't want a cent of your money. You set it up, give it a thorough test with the milk from your own cows. We give you a free trial that is a free trial in every sense of the word. It is a free trial because we don't ask you to pay us any money down—there is no C. O. D.—no lease nor mortgage. You keep your money right in your own pocket.

Some people PRETEND to give you a free trial, but they ask you to give them your money first. We are not afraid to let our separator speak for itself. Test the Melotte Cream Separator in every way, watch your profits go up, watch the increase of the amount of cream, then, if you do not believe that you ought to have a cream separator, just send it back at our expense. If, however, you decide to keep the genuine Melotte, we will allow you to keep it on extremely easy

Monthly Payments

These monthly payments are so small that you will hardly notice them. You only pay out of your increased profits. You don't need to be without a cream separator when you can have the separator right in your dairy house while you are paying for it. In reality you do not pay for it at all. It pays for itself.

That is what we want to demonstrate to you. We want to demonstrate and prove beyond all peradventure that the Melotte Cream Separator does pay for itself. Only a few months' use of a Melotte Cream Separator and you will be satisfied that this statement is absolutely correct. A few months and the separator has paid for itself. It does not cost you a penny because the increased amount of cream has paid for the machine. We don't want to tire you here with a long discussion of how our cream separator is made. You can best understand this if you will let us send you our free catalog.

Valuable Book, "Profitable Dairying," Free

Send the Free
Coupon Now
—Today

Don't
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The Melotte Separator

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The reasons for its superiority are plain. The bowl hangs down and spins as though running in oil. It can't get out of balance. There is nothing to get out of alignment and wearout bearing. The bowl-chamber lined with special indestructible white enamel. The Melotte runs like new after ten years' use.

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- | | |
|---|---|
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| 1894—Medal of Higher Merit. | 1904—St. Louis—Gold Award. |
| 1895—Vienna—First Prize. | 1906—Milan—First Grand Prize. |
| 1897—Brussels—World's Exhibition—First Prize. | 1907—Amsterdam—First Prize. |
| 1898—London—First Prize. | 1911—Brussels—Grand Prize and First Gold Medal. |
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