

# THE FARMERS MAIL AND BREEZE

Willard Prof Julius Com

Volume 43

June 28, 1913

Number 16



*The Jug Which Cheers But Does Not Inebriate*

**Double the R. F. D. Circulation of Any Other Kansas Farm Paper**

**Pay me less  
Get more Value**

60-DAY  
Free  
Trial

5 Year  
Guarantee

I made the **WITTE**, the leader in engine usefulness 26 years ago, when the gas engine business was in its swaddling clothes. I have kept it ahead ever since, as the thousands of my customers testify. Nobody can sell you a better engine, and nobody will quote you as low as my latest reduced Factory Prices Direct to Users.

**WITTE Engines**

Gasoline, Gas and Oil

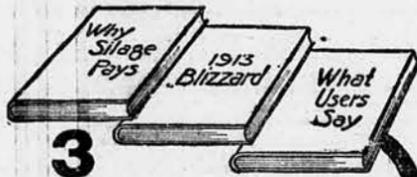
Sizes 1 1/2 to 40-H.P. stationary and mounted, (skids and trucks.) All with detachable cylinders, vertical valves, and other features of merit without which no engine can be really high-grade. Start without cranking, run without watching, 24 hours a day. Cheaper power, per horse, than others give.

**Buy Direct From Factory**

**5-YEAR GUARANTY  
60 DAYS' FREE TRIAL**

Sold to save you dealers' profits, and give you lowest factory prices ever known for strictly high standard engines of proven worth. No reasonable terms refused if you can't pay all cash. Get my great new book, FREE, with latest prices.

**ED. H. WITTE, WITTE IRON WORKS CO.**  
1541 OAKLAND AVE.,  
KANSAS CITY, MISSOURI.



**3**

**Free Books**

About Silage and Silo Filling

(1) "Why Silage Pays"—a valuable book for your farm library. (2) 1913 Catalog about the

**BLIZZARD  
Ensilage Cutter**

A 40-year success. Big capacity, small power. Elevates any height. Simplest, safest. Steady worker. Self-feed table. Almost runs itself. Knives adjustable while cutter is running. Guaranteed. (3) "What Users Say"—a book containing scores of letters from users of the Blizzard.

Write for these books today  
**The Jos. Dick Manufacturing Co.**  
1456 Tuscarawas St., Canton, O.

**FITZ  
OVERALLS**

Hard work and reliability are the legs of success. Put a pair of **Fitz Overalls**

on them and they're sure to win.

**BURNHAM-MUNGER-ROOT  
DRY GOODS CO.**  
KANSAS CITY, MO.

**Shoo-Fly THE ANIMALS' FRIEND**

Keeps flies and other insect pests off of animals—in barn or pasture—longer than any imitation. Used and endorsed since 1885 by leading dairymen and farmers.

**\$1 WORTH SAVES \$20.00**

In milk and feces on each cow in a single season. Heals sores, stops itching and prevents infection. Nothing better for galls. Kills lice and mites in poultry houses.

**SEND \$1.** If your dealer can't supply you. We'll send enough Shoo-Fly to protect 200 cows, also our 3-tube gravity sprayer without extra charge. Money back if not satisfactory. Name Express Office. Booklet FREE. Special terms to agents. Shoo-Fly Mfg. Co., Dept. N 1310 N. 10th St., Phila. Editor knows from experience that Shoo-Fly is O. K.

**BUTLER STEEL Grain Bin**

Corrugated. Can't Cave in. Rat-Proof. Fire-Proof.

Can be used for store house. Capacity increased by additional sections. Keeps grain perfectly. Large door and removable shelving board. Ask for booklet showing lot-

ters from satisfied users.  
**BUTLER MANUFACTURING CO.**  
1204 W. Tenth Street, Kansas City, Mo.

**For a Suggestion \$5**

I WILL pay \$5 for the best suggestion that will help me make the Mail and Breeze better, \$3 for the suggestion ranking next, and will give a year's subscription to the Mail and Breeze to everyone else whose suggestions lead to making any change or improvement in the paper.

I want to hear from the women folks as well as the men. For years the Mail and Breeze has paid more for its editorial staff than has any other farm paper in Kansas or the Central West. Soon it is greatly to increase this expenditure. The paper, therefore, ought to contain not only more practical, down-to-date reading matter and a greater variety of it, but a great deal more of such matter than any other farm paper.

Nor should it, nor will it, neglect its important patriotic public duties. Not only will it continue to stand for the right things and the best things, but it will vigorously press their fulfillment.

In the conduct of the Mail and Breeze I have always considered the counsel, criticism, opinions and suggestions of its readers as invaluable and paramount to any others. Now, when the paper is about to take another long step forward, I want your suggestions for its further improvement. Also I want your opinion on what you think its policy should be on any leading public question that you consider of prime importance at this time.

I hope you will take time to give me your answer on the blank which follows and will use a separate sheet of paper if necessary, to more freely express your opinions. To the man or woman subscriber of the Mail and Breeze who gives me the most useful information of this character before July 26, I shall send a five dollar bill. A check for \$3 will be mailed for the next best suggestion. All others, whose suggestions are considered specially useful to the Mail and Breeze family, will be given a year's subscription to the paper.

I don't believe it will take you long to express an opinion on these questions:

- What do you consider the most important social, political or economic question before the people of this state?
- What can the Mail and Breeze do that would be of greatest benefit to the people of this state?
- What political party do you favor and why?
- What can we do to make the Mail and Breeze of greater practical service to you?
- Are we giving too little or too much space to any matter or subject pertaining to the farm or farm home?

(Use a separate sheet of paper if more space is needed.)

My Name .....  
Address .....

Address your answers and suggestions to Improvement Editor, the Mail and Breeze, Topeka, Kan.

I greatly desire your frank, honest expression on these things. If many respond, the value of such an inquiry as this cannot be measured. For this reason mere prizes cannot be made a sufficient compensation, and though they are comparatively few I hope the suggestions will be many. By all means let me have your views and opinions.

*Arthur Capper*

**What Farmers Are Thinking**

You are cordially invited to air your opinions in this column, but the Mail and Breeze reserves the right to condense such statements as far as possible to give other contributors a chance to say something. Short, crisp expressions of opinion on matters of interest or consequence to farm folks are welcome. All contributors must take their turn.

**The Golden Rule in Business.**

Mr. Editor—I am pleased and very much interested in Mr. Capper's article on "The Era of the Golden Rule in Business." He made a good strike in that article, and I believe money got through false representations in advertising should be getting money under false pretenses. I like Mr. Capper's ideas very much. The Capital is a progressive, up-to-date newspaper that is very much appreciated in this section of the state.  
E. W. VanKirk.  
Wichita, Kan.

**Lower Interest Would Better Farming.**

Mr. Editor—In a recent issue of the Capital I noticed an address by President Waters of the Agricultural college. He seemed to be decidedly out of humor with the farmers because they do not more readily accept the modern

methods of agriculture advocated by the college.

New methods of farming are for two reasons slow in making much headway. One is that for generations father's kind of farming has been good enough for the sons, unless perhaps the boy showed an inclination for learning, in which case he was educated and entered some of the professions. The farm has for generations been losing its best material to the city. Another reason, and it is one of the best, is that farmers are not financially able to adopt the modern methods. Consider the cost of rotation to the average farmer who, we will say, has been raising corn and Kafir principally, until his land is so depleted in fertility that 20 to 25 bushels is considered a good average crop. A rotation with any of the legume crops proves a tedious and expensive proposition, one that the average farmer, already loaded down with debt, at a high rate of interest, cannot successfully carry out.

As long as the farmer is obliged to pay 8 and 10 per cent interest on short time notes, he will have his nose to the grindstone. The greatest need of the farmer today is a rate of interest not to exceed 4 or 5 per cent, with ample time so that new methods of farming may be carried on to a profitable termination.  
F. H. Grippin.  
Hartford, Kan.

I must say I think the Mail and Breeze the best paper I ever saw for the farmer.—L. D. Clark, Cheyenne Wells, Colo.

This Month Only!

**TIRES**

**DIRECT TO YOU  
At Dealers' Prices!**

Fisk, Goodrich, Diamond, Goodyear, United States, Kelly-Springfield. These are NOT seconds, but the finest tires in the world; each one fully guaranteed 3,500 miles. How are these for prices?

- 32x3 1/2 (straight side, clincher or Q. D.).....\$16.03
- 33x4 (straight side).... 24.02
- 34x4 (straight side).... 24.80
- 36x4 (Q. D. and straight side)..... 26.43
- 35x4 1/2 (straight side).... 32.43
- 36x4 1/2 (clincher and Q. D.)..... 33.35
- 37x5 (Q. D.)..... 42.08

Order by mail at once. Also send for our new price list of factory seconds.

**NATIONAL TIRE CO.**

1621 Grand Ave., Dept. M.,  
KANSAS CITY, MO.

**Trojan Steel Gates  
Are Real Gates.**

Made of 1 1/2 high carbon steel tubing all No. 9 galvanized wire mesh, special hinges, self-locking latch, raises at either end, absolutely hog tight, bull proof and wear proof. Strongest, best looking and longest wearing gate in the world.

You Can Get One Sold on 30 Days Trial. Guaranteed by \$10,000 Bond.

**FREE** You take no chances. We ship the gates. We let you try them, test them, compare them with any other at any price. If they are not the best ship them back at our expense.

**Sold Direct from Factory at Factory Prices.** You save middleman's profit. That's why they cost less than others; that's why more Trojan gates are sold than all others. Investigate. Write for Catalog and Full Particulars of Our Introductory Free Gate Offer. Our proposition is fair and square. One gate free to one farmer in each county for helping introduce. Standard Mfg. Co., 305 Main St., Cedar Falls, Ia.

**THE RIGHT SPEED FOR EVERY JOB**

Five interchangeable pulley rims removable in three minutes will give you five changes of speed with this engine. This is a patented feature and exclusive in the

**GILSON "Good Like Sindy"**

It saves the expense for extras. It means 100% service. Why not get an engine that will do all your work? All sizes from 1 to 27 h.p. Prices from \$28.50 up. Write for particulars.

Gilson Mfg. Co., 66 Park St., Pt. Washington, Wis.



Right speed for any job. Friction Clutch 5 pulley rims. 100% Service.

**Buying a Wind Mill**

is making contract for several years water supply. The mill that delivers the most water, the greatest number of years, at the least expense, proves the cheapest. The Challenge and Dandy Mills have proven by actual use to be the cheapest and best power known for pumping water, as the wind is free and the mills built in such a manner as to make the expense for operating practically nothing. Send for Catalog No. 62.

**CHALLENGE COMPANY 131 RIVER ST. BATAVIA, ILL.**

**The CLIPPER**

There are three things that destroy your lawns—Dandelions, Buck Plantain, and Crab Grass. In one season the Clipper will drive them all out. Your dealer should have them—if he has not, drop us a line and we will send circulars and prices. Clipper Lawn Mower Co., Box 10, Dixon, Ill.

**Stud Anchor.** For barns, corn cribs, garages, using concrete wall, pier or floor. No sills needed, nothing to rot. Studs bolted to foundation. Stud Anchor Works, Mendota, Ill.



# THE FARMERS MAIL AND BREEZE

AN AGRICULTURAL AND FAMILY JOURNAL FOR THE PEOPLE OF THE GREAT WEST



Volume 43  
Number 16

TOPEKA, KANSAS, JUNE 28, 1913.

Subscription  
\$1.00 a Year

## FARM INSTITUTES JUST FOR KANSAS FARM BOYS

**T**HIS spring we had something new in Kansas. It was a series of farmers' institutes for boys, or farm boys' institutes. And the boys seemed to take to them, naturally; or, as they themselves would say, they are "for it." The enthusiasm they manifested and some of the results of this enthusiasm, appear to indicate that institutes for farm boys may become a prominent and a permanent feature of agricultural extension work in this state.

During May and June, 13 of these farm boys' institutes were held in Kansas, at Talmo, Courtland, Narka, Formoso, Burr Oak, Jewell, Henderson Chapel, Axtell, Home City, Blue Rapids, Tonganoxie, Basehor and Jarbalo. The average attendance was about 60 boys. At several places a number of girls and parents of the young people attended. As nearly all of these institutes were held at the busiest time of year, the attendance was exceptionally good.

Just one day was given to each institute. There were two sessions, one in the afternoon, the other in the evening. Generally the afternoon program consisted of several talks by boys on some farm topic, a lecture by a representative of the Agricultural college, and a stock, or corn-judging demonstration.

### Thirteen Held This Spring and More to Be Organized—The Boys "For It"

Written For Farmers Mail and Breeze  
**BY C. D. STEINER**  
Supervisor of Boys' Clubs Kansas College

"This coming year I am going in the contest again. I am going to put out the same acre and believe if the weather is no worse than last year that I can beat last year's yield."

While in this boy's talk, there may be a point or two that is questionable in regard to the proper method of culture, yet, in the main, it rings true to progressive agriculture. It shows the boy has been thinking corn and that he is on the right track to become a farmer of the highest type. Corn growing does not mean drudgery to him but an interesting, enjoyable work that will help make his life on the farm abundantly satisfying.

Usually, the corn talks were followed by papers and talks on insects injurious to farm crops. The boys who had studied the subject, told how best to control the corn ear-worm, the corn root-louse, the chinch bug, and frequently gave the life histories of these insects in a way that would almost have done credit to an expert.

At several of the institutes, papers were read on the subject "Why I am going to stay on the farm." While these papers, usually, were more formal than the talks on corn, there was enough originality about them to make them exceedingly interesting. It was gratifying to note the enlarged vision that the boys are getting of the great possibilities there are on the farm. It shows, I think, that the movement of the boys and girls from the farm to the city is being stayed.

When the first farmers' institutes were organized, some 40 years ago, a good many persons looked on them with disfavor, if they did not ridicule them. Could these persons have been told what farm boys' institutes would do within a score of years, they would have considered such a prophecy visionary. But what may have seemed impractical and foolish then has worked out practically, in accordance with the best ideas of modern agricultural education.

At most of the boys' institutes, a president, vice president, secretary and adviser was elected. The adviser is some adult person interested in boys' agricultural work. It is his duty to direct the boys. The chief purpose of these institutes is to get the boys interested in the vital farm problems of the day, also to give the boys an opportunity to establish a relationship with one another and start them well toward the training they should have when they become men of mature years. If the boys can be taught to conduct an institute, as boys, they will do it more successfully when men. It is hoped to give them the institute habit and when they are men, from 90 to 100 per cent of the farmers in a given community will attend farmers' institutes instead of from 10 to 15 per cent, which is about the present ratio.

Perhaps the plan on which the average farmers' institute is conducted will have to be modified to meet the needs of the boys, but it is believed the boys' institutes can be so organized and carried on that their achievements will fall little short, if at all, of the older organizations whose members are experienced farmers. The college extension division at Manhattan is to continue organizing these institutes for farm boys and will be glad to co-operate with, or have the co-operation of persons and communities interested in the work. Many farm boys need just this stimulus.

**A Marshall County boy, at the farm boys' institute at Home City, telling how he grew his corn.**



The evening session was open to everybody and frequently was devoted to an illustrated lecture.

At one of these institutes, a 15-year-old boy told in good farmer English how he grew a prize-winning acre of corn. This was his talk:

"I chose a field that was in pasture last year and, the year previous, in hay. I manured the part where my acre was, putting about 6 tons on it. I disked this in in the fall. The reason I did this was to make the soil loose and mix the manure with it. This manure furnished plant food and helped to hold the moisture. I know this manure helped my corn when it was dry, for it was so much nicer and greener than the other that wasn't manured."

"I plowed the field in March. I followed the plowing every half day with the harrow to keep the ground from drying out. We had a good rain the middle of April and I disked it again. We had no more rain until planting time, which was May 8."

"I got my seed corn from father. I tested all the ears, taking six grains from each for the germination test. The grains nearly all sprouted. I planted my corn with the planter. The distance between the planter rows was 3 feet and 6 inches, in the planter rows 18 inches. I got a good stand and gave my corn four cultivations. I husked it in November and found that my acre yielded 52 bushels."

**Meeting of a farm boys' institute at Axtell, Marshall county. Not a dull boy in the bunch.**



# The Farmers Mail and Breeze

PUBLISHED WEEKLY AT  
Eighth and Jackson Streets, Topeka, Kansas.

ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor  
A. L. NICHOLS, Associate Editor.  
E. W. RANKIN, Advertising Manager.

### Editorial Contributors.

F. D. COBURN, PROF. W. M. JARDINE,  
PROF. A. M. TEN EYCK, PROF. A. H. LEIDIGH,  
PROF. CHARLES DILLON, PROF. L. E. GALL,  
PROF. O. E. REED, PROF. W. A. COCHEL,  
PROF. H. F. ROBERTS, PROF. ALBERT DICKENS,  
PROF. J. T. WILLARD, PROF. W. A. LIPPINCOTT,  
PROF. C. A. SCOTT, DR. F. S. SCHOENLEBER.

### Department Editors.

FARM CROPS - A. H. Leidigh. FARM DOINGS - Harley Hatch  
LIVESTOCK, Frank Howard. VETERINARY, F. S. Schoenleber  
DAIRY, A. G. Kittell. THE MARKETS, C. W. Metsker  
SWINE, E. J. Waterstrips. HOME DEPTS. - Mabel Graves  
HORTICULTURE, M. Mathewson. POULTRY, - Reese V. Hicks.

SUBSCRIPTION RATES. . . . One Year, \$1.00

### ADVERTISING RATES.

40 cents per agate line. 104,000 circulation guaranteed.

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

Entered as second-class matter Feb. 16, 1906, at the postoffice at Topeka, Kansas, under the act of Congress of Mar. 3, 1879

### OUR 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, and that it is reported to us within a week of its occurrence, 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 Farmers Mail and Breeze."

### SPECIAL NOTICE 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.



## PASSING COMMENT

by T. A. McNeal

### STATE INSURANCE.

Wisconsin, which is in some respects the most progressive state in the Union, is going to try out a plan of state life insurance. The state life insurance law was passed by the legislature of 1911 and the insurance commissioner was given two years in which to prepare the necessary regulations, blanks, etc. The first application was made for insurance under the new law on the first day of last October.

The state writes at present three kinds of policies, ordinary life, 20-payment life endowment and 10-payment life endowment. Annuity policies will be added later. Insurance policies are issued to persons between the ages of 20 and 50 in amounts of \$500 and multiples thereof, up to \$3,000. No policies are written for more than \$3,000. The policies are written in the form of standard reserve policies but a large part of the cost is eliminated.

There are no large sums paid out for commissions to agents, or for the erection of huge buildings, or for the payment of great salaries to high up officials. Premiums may be paid almost any old way that suits the insured. They may be paid annually, semi-annually, quarterly, monthly or weekly. The policy holder may borrow on his policy from the state, to the full amount of his reserve.

If a policy holder for any reason ceases to pay his premiums the amount already paid is treated as a loan to the policy holder and his policy is automatically kept alive as long as the premiums with interest do not exceed the amount of his accumulated reserve.

Premiums may be paid to any county, city or village treasurer or to any bank that is a state depository. Policies are issued to persons within the ages mentioned above, who are at the time within the state of Wisconsin or are residents thereof. Unlike most insurance policies there are no limitations or restrictions as to travel or change of occupation.

If after providing the required reserve fund there are found to be any net profits to the state, they are distributed pro rata among the policy holders. Missouri is now agitating the question of state fire insurance, since the recent trouble with the old line fire insurance companies. These experiments are going to be closely watched. If Wisconsin demonstrates that the state can successfully conduct the life insurance business and if Missouri or some other state should establish a system of state fire insurance and make a success of it, it would not be very long until most of the life and fire insurance companies of the country would go out of business.

### ERROR OF THE PROGRESSIVE HERALD.

Tom McNeal is carrying on an important educational work through the columns of the Mail and Breeze in favor of a rational money system which shall furnish the people with a medium of exchange at much less cost than is now being met. If McNeal could get the Socialist con-

ception of both government and money he could make his arguments much more effective.

To McNeal, government seems to mean what Socialists protest against: an entity distinct and separate from the people. Government, according to the McNeal conception, is something with which the people are in a state of constant warfare. However hard the fight against it, they are victimized by it.—Lawrence Progressive Herald.

One of the great troubles of the world seems to be the difficulty of one's making himself understood. Here for example is the Lawrence Progressive Herald saying that government seems to mean to me an entity separate and distinct from the people and "government according to the McNeal conception is something with which the people are in a state of constant warfare. However hard they fight against it they are victimized by it."

Now I cannot think of anything that is further from my conception of a popular government than that. It is true there are certain despotic governments where a single man or a very few men have absolute power over the rest of the people, but I have always contended that this government was founded on the opposite idea and that it is, or ought to be, a government of the people and by the people. I have said that one trouble with a great many people in this country is and always has been that they regarded the government as something separate and apart from them with which they had only a remote interest and in the management of which they had and could have but little part. This is the reason why they have permitted it too often to be managed in the interest of a selfish few, for it is certain that if the people do not take an interest and an intelligent interest in their government the selfish few will run it.

Government is or ought to be the organization and instrumentality through which the people perform their public business. The evolution of civilization is gradually changing the popular conception of what the proper functions of government are. Formerly it was supposed to simply act as a policeman protecting the persons and property of the citizens and that was supposed to be the only proper function of government. And in the time when all industry was individual I think that was nearly the only function of government. As civilization became more complex and industry more and more concentrated it began to be realized that the government must to a certain extent take a hand in business affairs. Under the changed order certain things necessarily became monopolies and it was necessary to use the power of the governmental organization to prevent the abuse of this monopoly. If this object could be attained through governmental regulation that would perhaps be sufficient, but I think that experience has demonstrated that it cannot be done by regulation, therefore I favor governmental, state and municipal ownership of such things as are in their nature monopolies under the present order of civilization.

As the Socialist editor of the Herald has so misunderstood me it is possible that I have also misunderstood the position of the Socialists. I confess that I am at a loss often to know what they mean, for instance by their declaration in favor of a co-operative government and the common ownership of all the means of production and distribution. It seems to me that means communism, but some of my Socialist friends vigorously protest that it does not. I cannot think that it is possible to successfully operate as large a government as ours on a strictly co-operative basis. I believe in co-operation but I think it is only feasible in comparatively small units.

Of course I am looking for light, as I hope the editor of the Progressive Herald is also. I realize that there is a vast amount of truth I have not yet discovered and I have a notion that there is considerable also that my Socialist friends have not discovered either. At best, government is an experiment. It is like a garment that is fitted by the process of cut and try. When it is first tried on it binds here and is too loose there. Finally the people grow tired of the tightness and undertake to let it out and also to take it in where it is too loose. Sometimes they make mistakes and have to make another try or maybe a good many, but they are slowly learning how to fit a government to their needs.

But get that notion out of your head that my conception of government is an entity separate and apart from the people. That is exactly the opposite of my theory.

### A LOYAL ENGLISHMAN.

Editor Mail and Breeze—Your paper has the sobriquet of the "moral and intellectual guide" and for that reason I think it ought to appeal to the higher thought and aspiration of its readers. I was reading your trade on the English "blooming aristocrat" last evening and though I'm English I have no use for the aristocracy and go still further and think that the monarchy is a farce.

On the other hand, one can't be too careful at this crisis for fear of causing misunderstandings. I don't know in what spirit this Englishman wrote, yet I scarcely think he could write in worse possible taste, let alone a contradiction of fact. You refer to these noblemen, as egotistical asses. They may be this, but this sounds incongruous from the "moral and intellectual guide."

Then you go on to say there are signs of England losing her colonies. May I ask where are those signs and what form do they take? What about Canada's voluntary offer of dreadnaughts? South Africa's peaceful settlement? India, to which you specially referred, has never been more amicable. There will no doubt be evolution in the different systems of government. Ireland, for instance, has a scheme of local self-government and crime there has never been so scarce. So it would

be interesting to know where those signs are of the English growing weary.

Before you write again on the decline and fall of the British empire I would advise you to pay a visit to England and see it as I saw it this spring, with its trade booming without a precedent. See if you can see those signs of decay that is to make England a third or fourth rate power. Raymond, Kan. I. CUTLER.

There is one thing that I greatly admire about an Englishman. He is ready any old time to stand up for his native land. I regard the English as a most wonderful people. It is a constant marvel to me that this little island has been able to so dominate the commerce of the world and plant its colonies in every clime. I say this just to show that I do not have it in for the English. I have thought at times that they were not afflicted with excessive modesty. Generally they believe they are the greatest people in the world and have no hesitancy in saying so, but that assurance has been the reason for their marvelous achievements.

However, the fact remains that there are signs that the mother country is losing its grip on its colonies. If Mr. Cutler had just waited for a day or two before writing this letter he would not have mentioned the proposed gift of 35 million dollars worth of dreadnaughts by Canada. The Canadian parliament refused to build those dreadnaughts although there is no doubt that the mother country was most anxious to have it done.

That is one sign that Canada is growing more and more independent and a forerunner of the time when it will establish a completely independent government.

Not only the adoption of a new constitution, providing for a complete union of the Australian states into a central government fashioned more after the pattern of the United States than of the old British government, but a number of other things indicate that the progressive Australians are looking toward complete independence. Let me mention one thing in particular. The British government is tied up in a close alliance with Japan. The Australian government has passed more stringent exclusion laws against the Japanese than the much talked of California law, and I have it from what I consider reliable authority that the Australians are not pleased with the alliance between Great Britain and Japan. These are a couple of the signs I had in mind.

Recent dispatches from India indicate that there is most serious unrest in that country. A spirit of nationalism has been growing there for years and that feeling has been intensified by the marvelous success of Japan in placing herself among the first-class powers of the world. The new movement in China is certain to strengthen that feeling still more. There is an irreconcilable racial difference between the Oriental and the Caucasian. India with its vast but unorganized population has submitted to British rule but dreams of a great Indian empire are growing now toward a possible reality.

I do not think Ireland will cut loose. I do not believe the majority of the Irish now desire an independent government, but I do believe that if Mr. Cutler lives another 25 years he will see independent governments in Australia and Canada and possibly in India and when that time comes I do not believe that Great Britain will rank as one of the first class powers. This is only a guess, of course. Time may prove that I am a poor prophet.

### A SINGLE TAXER'S ARGUMENT.

Editor Mail and Breeze—For some time past I have noticed with some degree of satisfaction the apparent tendency on your part to come a little closer to the camp of the single taxers. In your recent article under the caption, "Limitations of Land Ownership," you give expression to the following views:

"It must be remembered that land is the base of all wealth; that it is as essential to human existence as either air or water; that if it were possible for a few to obtain a monopoly of the land they could compel all the rest of us to be their slaves; that in the near future the poor man will find prices of farm lands prohibitive, so far as he is concerned. The lands will be owned by a few and cultivated by tenants, and unless human nature changes the tenants will have to pay all they can produce beyond what is necessary to enable them to live."

You say that land monopoly has brought misery and want wherever it has prevailed in other lands and will bring the same condition here. Therefore, you say, the monopoly of land ownership must be prevented if the republic shall live. All of which is true. I learned that in "Progress and Poverty" some time ago. But how are you going to prevent it without resorting to the single tax?

Your graduated land tax at best will only minimize the evil. What is to hinder the owner of a large tract of land from parceling it out in sections and turning the deeds over to some of his relatives just before the tax collector passes the contribution box? Again, How would you measure land, by the acre or by the value in legal tender? The ownership of a thousand acres in some localities would drive a man to the poor house, while the ownership of a few acres on Manhattan island would make him a multi-millionaire.

Considering that no two acres of land are of the same value; that prices are continually changing; that population is never anywhere at a standstill, but in a floating condition. I am afraid that your graduated land tax would require remodeling and revising more often than the tariff.

The institution of private property in land is the cause of land monopoly and the foundation of all monopoly. The application of the single tax will make it unprofitable to hold land out of use for speculative purposes. Under our present system the tax collector's bill increases with every improvement a man puts in his place. Thus we tax industry rather than privilege.

It seems strange to me that farmers, or anybody else for that matter, cannot see that there is something radically wrong with a system that assesses a fine against a man for every addition he makes by his industry to the world's wealth.

The man who rustles and makes two stalks grow where a Russian thistle once flourished, we hold up for all we can get, but the absentee landlord who never did anything to improve the country but hold land out of use, gets off easy.

The position you take regarding the proposal to remove the tax on sugar is right, but why not apply the same logic to the tariff question in toto? Won't it work just as well on Schedule K or any of the rest of the necessities of life?

Sabetha, Kan. S. H. WATERS.

That seems to me to be a very fair presentation of the single tax argument in a brief way. And this is to be said for most of the single taxers, they are students of economics—as every citizen ought to be. It has seemed to me that they are inclined to be dogmatic and to have concluded that the single tax is the universal corrective of injustice and special privilege.

Personally I do not believe that there is any single formula yet devised by mortal man that will do away with the inequalities of taxation. Mr. Waters calls attention to the difficulties in the way of putting into operation a graduated land tax. These difficulties have presented themselves to my mind and I see the force of them.

But would the difficulties in the way of a single tax be any less? Perhaps so. Certainly the graduated land tax would have to depend on the value of the lands, not on the quantity, and certainly also the values would vary according to the fertility of the land, its proximity to market, climatic conditions and the density of the population, but would not the single land tax have to vary according to the same differing conditions?

The single taxer says that he would not tax industry. What is industry? It is a term that is as indefinite as anything I can think of. In the city of New York a great building 56 stories high rears its top toward the sky. It is the product of industry, but whose industry? Not the individual industry of the owner, certainly. His ability to use and make a profit out of the industry of others has enabled him to erect that enormous building. Should he be relieved from all share of the burdens of government organized and carried on for the protection of his property?

Suppose that A and B own lots lying side by side, one as favorable naturally as a business location as the other. A is as industrious as B, but not able to command the same amount of capital as B. He erects a two or three story building on his lot, which is as much as he can do. B, able to command unlimited capital, erects on his lot a building 50 stories high. A's building costs perhaps \$15,000 or \$20,000, B's costs 2 million and his rentals pay a good interest on that investment.

Under the single tax plan, B would pay no more tax than A and although he has 2 million dollars worth of profitable property in addition to the value of the lot, he bears no more of the burdens of government than his neighbor who has property worth not more than \$15,000 or \$20,000.

Assuming that the cost of administering the government, city, state and national, will be as great or nearly so under the new order as now, then the same amount of taxes would have to be raised by somebody but it seems to me that B would be permitted to shift about 90 per cent of his share over onto the shoulders of A. As it is reasonable to suppose that A could not afford to pay such a tax on his property he would be forced to sell, presumably to B and the man who is forced to sell always drives a bad bargain.

B would therefore get his neighbor's property at much less than its real value and erect on it another towering building that would double his wealth and income. A, the comparatively poor man would lose, while B, the multi-millionaire would gain, and again would the Scripture be fulfilled, "To him that hath shall be given and he shall have abundance, but from him that hath not shall be taken away even that which he hath."

Now it is possible that the single tax system would not work out that way if put into practice. My reasoning may be at fault, but so far I cannot bring myself to believe that it will furnish the remedy for the inequalities of taxation of which we complain.

**MR. DOOLITTLE'S FARM LOAN BILL.**

Congressman Doolittle introduced a bill in the house to establish a bureau for the institution of a system to lend money to farmers upon agricultural lands as security:

1. Be it enacted by the senate and house of representatives of the United States of America in congress assembled, that a bureau is hereby created to be known as the bureau of Farm Loans, which is to be conducted under the control and direction of the secretary of the treasury for the purpose of lending money to bona fide tillers of the soil, taking as security for the repayment of said loans, farm mortgages. Said secretary of the treasury is hereby authorized to prescribe and publish such rules and regulations not inconsistent with the provisions of this act, as are necessary to put into force and effect the purposes and intent of this act.

2. That the president of the United States shall, by and with the advice and consent of the senate, appoint for a term of four years at a salary of \$6,000 per annum a commissioner, who shall have, with the limitations herein stipulated, full charge of said bureau. The commissioner is hereby authorized to appoint one assistant commissioner at an annual salary of \$4,000 per year, engage other employees, and incur other expenses necessary to establish, organize and maintain said bureau, but the total preliminary and other expenditures for the fiscal year next succeeding the passage of this act shall not exceed the sum appropriated herein.

3. That the president of the United States shall, by and with the advice and consent of the senate appoint an assistant commissioner for each state of the Union, whose term of office shall be for four years, or until his successor shall have been appointed and qualified, and his compensation

shall be \$4,000 per annum. The official title of such assistant commissioner shall be, assistant commissioner of farm loan bureau, and the said assistant commissioner shall be a citizen of the state in which he is to serve as such assistant commissioner at the time of his appointment; shall be well acquainted with the farming interests and the farm land values of the state, and he shall maintain an office at the capital of said state. He is hereby authorized to employ such persons to aid him in and about the duties of his office as shall be actually necessary to carry on and perform the duties of his office.

4. That whenever the said assistant commissioner of any state shall have ascertained that the value of the farm land offered as security is sufficient, and that the applicant or applicants are possessed of a good and sufficient title to the said property and are otherwise legally competent to execute a mortgage thereon, he shall in writing recommend to the commissioner of the bureau of loans at Washington, D. C., that the loan be made to said applicant or applicants, and thereupon the said commissioner of the bureau of farm loans, if he shall find that all the proceedings had in connection with the application for said loan were had and done in due form, shall, upon receipt of the mortgage properly drawn in favor of the treasurer of the United States, pay over to the mortgagee or mortgagees the sum specified in the mortgage, but no loan shall be made in excess of 60 per cent of the value of the property, and the rate of interest on said loans shall not exceed 3 per cent per annum, provided that all loans shall be made for a period of 50 years payable at the expiration of said time, or at any interest-paying period prior thereto at the option of the borrower.

Provided further that the borrower shall have the option of paying 2 per cent additional per year on the whole loan, as a payment on the principal sum, and at the expiration of said loan period of 50 years or upon repayment of said loan and interest the secretary of the treasury shall execute and deliver to said mortgagee, his successor, heirs, administrators, devisees, trustees or assigns, a good and sufficient receipt and release of said mortgage, provided all the conditions of said mortgage shall have been fulfilled by said mortgagee, his successors, heirs, executors, administrators, devisees, trustees, or assigns.

Provided further that no loans under this act shall be made for any other purpose than for the purchase of real estate to be actually occupied and used as indicated in Section 1 by the borrower as a home, or for the erection, maintenance or repair of permanent improvements on real estate owned by the borrower and occupied by him as a home.

5. That each applicant for loans under the provisions of this act shall state under oath in writing the true purpose for which said loan is desired and said applicant, together with two appraisers which shall be appointed by the assistant commissioner of the farm loan bureau of the state wherein the application is made, shall duly appraise under oath, the land offered as security, and shall state the true market value of said property, and any misstatement of fact concerning the value of said land intended to make it appear greater than it really is or any other false statement in said application, shall at the option of said assistant commissioner, notwithstanding any contract previously entered into, render the whole principal and interest on said loan immediately due and payable and subject to all legal processes for collection. Provided that no person shall be permitted to borrow more than \$5,000 regardless of the value of his land.

6. That in order to provide the funds for said loans the secretary of the treasury of the United States of America is hereby authorized to have engraved and printed treasury certificates to be designated as government currency of the United States payable to bearer, which is hereby declared lawful money and legal tender in payment of all debts public and private, taxes, excises and dues to the United States, except duties on imports, and also for all salaries and other debts and demands owing by the United States to individuals, corporations and associations within the United States, except interest on the public debt.

The quantity and amounts of said government currency shall be equal to the loans made under the provisions of this act, provided that as said loans and mortgages are repaid said treasury certificates issued under this act shall be retired and cancelled by the secretary of the treasury in amounts equal to the loans and parts thereof repaid. The mortgages on farm lands accepted by the bureau of farm loans shall be held and deposited with the secretary of the treasury of the United States as security for said treasury certificates.

7. That any person or persons who shall make false representations respecting the value or title of any property with intent to procure a loan from said bureau of farm loans for more than 60 per cent of the value of the land or any person making a false statement as to the uses for which the funds borrowed under this act are to be employed shall be subject to a fine to be paid into the farm loan fund, of not exceeding \$5,000 or subject to sentence for a term not exceeding five years at hard labor, or both such fine and imprisonment within the discretion of the court.

8. That a sum of \$500,000 is hereby appropriated from any unexpended balance in the treasury of the United States for the purpose of carrying out the provisions of this act.

I am in sympathy with the general purposes of the foregoing bill, introduced by Congressman Doolittle, of the Fourth Kansas congressional district, but believe there should be some amendments to it.

The bill provides that the currency certificates shall be legal tender for all debts, public and private, payment of salaries, etc., except duties on imports and the interest on the public debt. It has always appeared to me to be a manifest inconsistency for the government to discriminate against its own currency, refusing to accept it, while at the same time requiring its citizens to accept it. It is something like a man asking his neighbors to take his note while refusing to honor it himself.

When the greenback was issued the government was engaged in a desperate and doubtful struggle to maintain its existence. It was forced at that time to buy arms and supplies from other countries and the money lenders refused to regard anything but gold as money. Under the circumstances it may have been necessary for the government to put the exception clause in the greenback, but if so it was a war necessity that no longer exists. I think the exceptions that Mr. Doolittle has put in his bill should be stricken out, at any rate so far as they apply to duties on imports.

It will be urged perhaps that the bonds of the government contain the provision that they shall

be paid in gold and that in order to keep its contract with the bondholders this exception should be retained so far as the interest on bonds is concerned, but there is no reason that I know of why there should be any other exception.

The provision in regard to the liquidation of the loan by the payment of 2 per cent per annum extra interest discriminates against the person so paying his loan. Under that arrangement he would lose the use of money paid out in extra interest. I would suggest this section be amended by providing that at the end of each five-year period the amount paid in extra interest be credited on the face of the loan. That is, that every five years the principal be reduced one-tenth and the subsequent interest payments be calculated on the remainder of the loan. This would offer some inducement to the borrower to pay the extra interest and gradually reduce the amount of his debt.

Under this plan, at the end of the first five-year period a \$5,000 loan would be reduced to \$4,500; at the end of 10 years to \$4,000; at the end of 15 years to \$3,500. The interest payments would drop from \$250 per annum for the first five years to \$235 for the second period; \$220 for the third; \$205 for the fourth; \$190 for the fifth; \$175 for the sixth; \$160 for the seventh; \$145 for the eighth; \$130 for the ninth and \$115 per annum for the tenth period, at the end of which the loan would be extinguished.

On a \$1,000 loan the interest would be \$50 per annum for the first five-year period; \$45 for the second and so on till during the last five years of the life of the loan the interest payments would amount to only \$5 per annum, at the end of which time the loan would be extinguished.

Third, I think that instead of creating a lot of new offices as this bill provides, there is no need of creating any new offices except the commissioner of loans and his necessary assistants at Washington. In such states as have tax commissions, such as we have in Kansas, the members of the tax commission should be made the loan commissioners for the state. The boards of county commissioners in the various counties of the state should be made assistant loan commissioners for their several counties.

The basis on which loans should be made should be the assessed value of the farm lands. In other words, not more than 60 per cent of the value of the land as assessed for taxation purposes should be lent. There would be little if any risk in lending 60 per cent of the assessed value, for exorbitant valuations would mean increased taxes for the owners of the lands.

The danger in the plan as set out in Mr. Doolittle's bill is this: If the lands were appraised without reference to their assessed valuation it would mean the appointment of an army of appraisers and I fear these appointments would be very largely political. Loans would be made in return for political favors and the door might be opened for a great deal of graft and scandal.

The provision limiting the amount of money that can be lent to any one farmer is right as is the provision that the loans shall be made only to bona fide dwellers on the lands. I am not certain that it would not be a good idea also to limit the loans to farmers having not to exceed a certain value of farm land. The bill should be intended to help the farmers of small or moderate means.

Congressman Doolittle does not expect to push the bill through at this special session, but has introduced it so that the people of the country may have an opportunity to examine it and make any suggestions they desire concerning the bill. So if you have any suggestions or criticisms to make take your pen in hand and write Congressman Doolittle at Washington, D. C.

**A SOCIALIST'S VIEW OF THE TARIFF.**

Editor Farmers Mail and Breeze—It affects only one-tenth of the people, if tariff is up or down.

The only people affected are big manufacturers and grain speculators.

The argument from people that earn bread by the sweat of their brows for lower or higher tariff is without foundation. All the people that are really affected by the tariff problem do not pay one cent more for labor employed than they have to, regardless of tariff. High tariff, more profit for the millionaires. The argument from the laboring class of people, that they need a high protective tariff is not true.

The high protective tariff men have agents employed to make flourishing talks and promise all kinds of inducements in foreign countries. They promise big wages, \$3 or \$4 per day. After the immigrants come to this country broken in finance, they are compelled to take any job that is offered them, regardless of the pay they receive. They are very necessary to the high protective tariff element, for strike breakers and to keep organized labor under submission.

When they advocate putting high protective tariff on cheap labor they import to this country, then the other nine-tenths of the people ought to favor a high protective tariff, and stop the ruination of the country. If any country is unfortunate with a crop failure, the grain should be shipped there to save the people from hunger and death. Tariff in such a country is like the fifth wheel on a wagon.

Tariff has been used in full swing for the last 50 years in campaign years. The Republicans promise high tariff and full dinner pails to get the votes. The Democrats promise low tariff, as high protective tariff is only a protection for millionaires and it has created too many already.

Socialists are against the tariff as all the Socialists are working people and never can feel any difference between a low or a high tariff. But they are in favor of this great wealth that is produced to be distributed under the people who produced it.

If tariff is reduced on some articles and affects some multi-millionaires they are interested in the difference and the prices, and they raise the price on something else.

Baxter Springs, Kan.

WM. BRUGGER.

# Ways=Means=Results

Worked Out by Mail and Breeze Readers

## Better Way to Weight Stacks

Mr. Editor—I find a length of 4-foot poultry wire is much superior to single wires, or twine, for stack hangers. The poultry netting will not cut down into the rick and let in the water as will a wire or twine. The strip is cut somewhat longer than the length of the stack on top and put on lengthwise. Weights are attached at each end and also on each side.

Seibert, Colo.

## Rape, For Summer Hog Pasture

Mr. Editor—Rape may be sown at any time from early spring until August. Scatter the seed broadcast, 3 or 4 pounds an acre, covering lightly, or sow 2 to 3 pounds per acre in drills, 30 inches apart. In the latter sowing cultivation is necessary. Use only the Dwarf Essex variety. One acre of rape is equal to 2,600 pounds of grain for pig feeding. Usually, eight weeks after seeding the plants are large enough for pasture and stock may be turned to forage at will.

R. R. 6, Pittsburg, Kan.

## Summer Care of Shoulders

Mr. Editor—A great many horses suffer during the summer from sore shoulders caused by ill fitting collars. The collar should be of the best make and should fit the neck perfectly. Besides this the collar should be kept clean and the horse's shoulders well washed and brushed daily. Every time a collar is put on it should be examined for caked dirt that forms on it. A good bath for the shoulders in warm weather is a mixture of warm water with some salt and soda. Hot water is fine for relieving bruises, sprains, or soreness from excessive pressure. Gall cure salve well rubbed in is also fine for sores.

H. E. Hagberg.  
R. 1, Gothenburg, Neb.

## Leaves Straw on Wheat Ground

Mr. Editor—I believe in heading wheat where possible, so as to keep most of the straw on the ground. Then I prefer listing the ground after harvest, about July 15. From about August 15 to September 10, I use a "lister buster," which will cut down the whole ridge if the rows are not more than 3 feet 4 inches apart. By this method all vegetation that comes up before cutting down the ridges, is killed. In listing, the straw is turned under and if there is any moisture at all it will rot. In leveling the ridges, this straw is thrown back on top where it is of great benefit to the wheat in the fall and early spring. It catches the snow in winter and keeps the soil from blowing in the spring.

After "busting" the ridges I harrow my ground, once or twice, just enough to get it level. I think there is just as much work in listing wheat ground as in plowing it but listing has several advantages over plowing as I have stated. If wheat growers would haul straw or manure on their growing wheat during the winter or spring they would find it time profitably spent.

Nashville, Kan. William Bachman.

## Has Invented a Header For Milo

Mr. Editor—I have noticed questions at different times in the Mail and Breeze concerning a machine for heading milo. As I have been a milo raiser for several years, but have not been able to find a successful machine of this kind, I set about building one that would pick the heads from milo without taking any of the stalk. I began to work out this problem in the summer of 1910 when I had a large crop to harvest, and I have spent most of my spare time since then working out the weak points and perfecting this machine. Not until last March was I satisfied with it. While I haven't yet been able to make a thorough field test, tests I have made show the machine will do perfect work.

I will send you two pictures of the machine, (see cuts elsewhere on this page) one of the front, and one side view. In the front view you will see

the open points for receiving the row, the same as in a corn harvester. These points carry chains which lead the stalks into a feeding device, consisting of a notched wheel, shown better in the side view. As the stalks are pressed against this wheel they are picked out one at a time and placed in a header device, consisting of two jaws, one side being stationary while the other is connected by a pivot. The two jaws are held together by a yielding pressure spring. These jaws are carried on an endless incline chain and this chain, driven by the travel of the machine, travels backward and upward as the machine moves forward, so that a stalk, placed in between jaws of the headers by the feeding wheel at the lowest point of the chain, stands straight while slipping through the header. But when the header becomes too high for it, the grain catches on the slope of the header and slips into position to be cut off

a foot came off about midway between the hock joint and the foot, as smoothly as if a surgeon had removed it. The wound healed and the animal is going about on three feet. The tails of these cattle came off as well as their feet. The cattle never were sick, they have always been hungry, but 18 of them are permanently crippled. The veterinarian declares this trouble was due to the feeding of the wild rye.

Garnett, Kan. Noah L. Bowman.

[Mr. Bowman's experience was referred to Dr. Schoenleber at Manhattan, veterinary editor of Farmers Mail and Breeze. He replies: "From the description of the symptoms the animals are affected with the disease known as ergotism. This produces exactly the symptoms Mr. Bowman has mentioned. It is believed to be caused by eating ergot, a fungus that grows on grasses, particularly on rye. This fungus has the appearance of small black kernels about the size of oat kernels. Prevention consists in discontinuing the feeding of rye and grass."]

## Buying a Silage Cutter

Mr. Editor—I don't believe we pay enough attention to the kind of silage cutters we buy and use, considering the important part they play in filling a silo. I want a cutter large enough to

venient than the carrier type. With the inside distributor it saves a great deal of labor inside the silo. I expect to buy a 20-inch cutter but shall not run it at full capacity. Neither do I expect to have much trouble from breakage.

R. 5, Parsons, Kan.

## Movable Hay Shed For \$25

Mr. Editor—We have a hay shed we move from field to field as we break up the clover sod. We set 25-foot telephone poles 3 or 4 feet deep in the ground and bore holes through them every 18 inches. The sills of the roof are 20 feet long and should meet outside the poles on top of the pins in the holes. A piece of strap iron made of wagon tire should be bolted around each corner. A short piece of plank should be spiked across the corner of the sill inside the posts, so it will rest on the pin on the inner side. Four rafters, of 2 by 6 stuff, rest on these short cross pieces and meet at the center, high enough to permit using 14-foot roof boards at the longest place. For the rest of the framework 2 by 4 pieces are used. We raise the roof with a block and tackle, by putting an iron pin, with an eye in it, in a hole above the roof. After raising it 8 or 10 feet we put the eyebolt in a hole below and with a 2 by 4 push the roof up. Often we guy one or two of the poles to keep the hay rope from pulling them out of plumb. The shed will hold about 25 loads and cost us about \$35.

Charles A. Babbit.  
R. 6, Hiawatha, Kan.

## Horses Doing Well on Silage

Mr. Editor—I see the question of feeding silage to horses and mules has been raised in the Mail and Breeze. I built a silo last year and filled it with mature corn, moistening it while putting it in. I opened it the first of January and have been feeding it to all my stock since. I have 18 horses and mules and they eat all the silage they want. Seven are 1 and 2-year-old mules that have had nothing but silage and a rack of oat straw to run to since the silo was opened. The rest are work horses that get all the silage they want at night and, on days they are not working, have all they want through the day.

I have bunks in the feedlot and put in enough silage morning and evening to last from one feed to another. I have enough silage left to last me until the first of October and expect to keep my horses and mules in a dry lot all summer. My horses have stood the work better and my young stock is in better condition than they have ever been on any other feed. Not one has been sick since I began feeding silage.

Will Mathes.  
R. 3, McPherson, Kan.

[The danger in feeding silage to horses or mules, is that they will get some which is spoiled or moldy. No animals are more susceptible to mold poisons than horses and mules.—Ed.]

## A West Kansas Alfalfa Record

Mr. Editor—A client of mine, Mr. Glenn Quick, brought me a sample of alfalfa this afternoon which he had just cut from his field. I was so pleased with it that I had him sign the following statement:

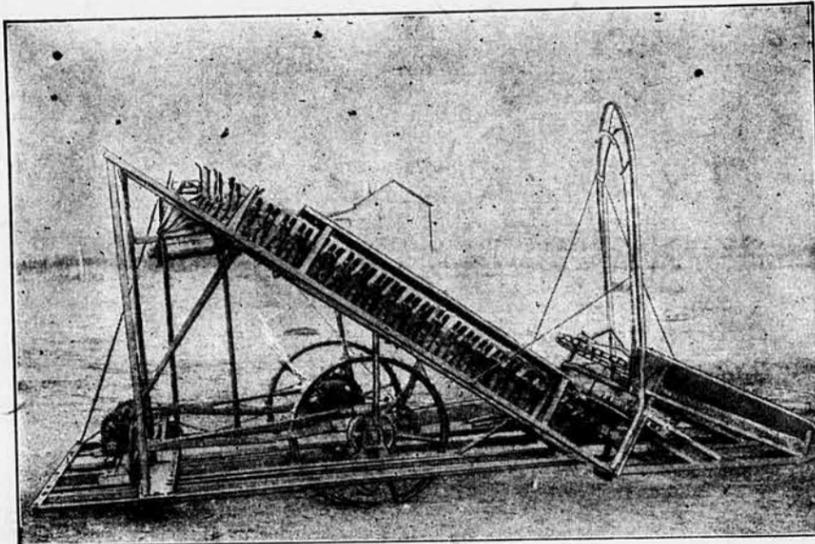
To Whom It May Concern:  
This is to certify that I have this day cut an average sample of alfalfa from my alfalfa patch which measures 37 inches in length; that my farm is 9 miles southeast of Ruleton, Sherman county, Kansas; that this alfalfa is 5 years old and is growing on upland where it is 60 feet to water. I will make an affidavit to the above facts if anyone is interested in wanting the same.

GLENN A. QUICK.  
Goodland, Kan., June 6, 1913.

What do you think of this? This plant with Sweet clover and the silo, is going to put western Kansas on the map in great shape during the next few years. You must remember this alfalfa did not grow on bottom land. It grew far from the lowlands and the river. You are aware that it is easy for people to believe the bad things they read about western Kansas. But you have to show them the proofs when you speak of the good things. This sample of alfalfa is one of the proofs.

Frank J. Horton,  
County Attorney, Goodland, Kan.

[The sample of alfalfa is all Mr. Horton and Mr. Quick say for it. It would be interesting to have the history of the stand, how Mr. Quick prepared the land, sowed the seed, and established the crop. Won't Mr. Quick tell us about it?—Ed.]

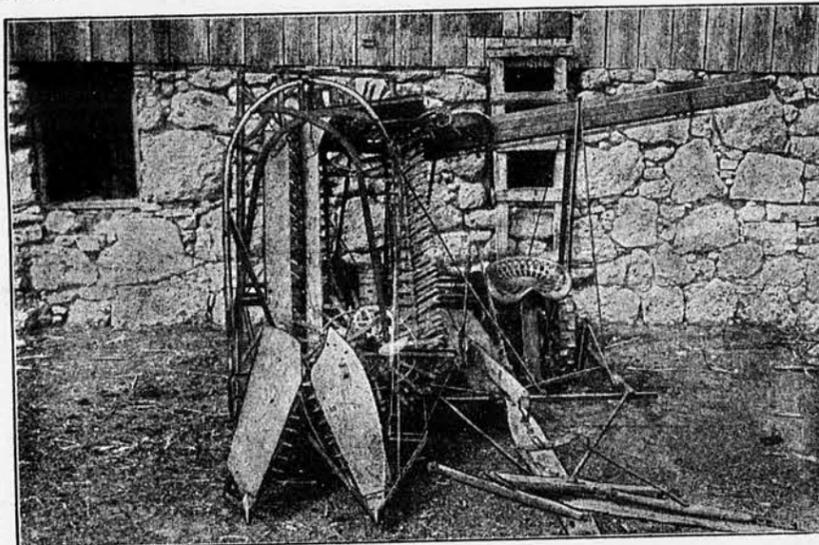


Side view of Mr. Forshee's milo header, showing the endless chain carrying device which receives the stalks and conveys them to the stripping wheel where the heads are picked off one at a time. See description of the machine elsewhere on this page.

by a knife carried by one side of the header. From here it is carried by the header to the top of the chain where it is taken out to the wagon elevator, carried on one side of the machine. I received letters patent on this machine February 18, 1913, and have some minor improvements on the original machine pending now.

## Ergotism—a Strange Ailment

Mr. Editor—On account of having more hay than we could take care of at the proper time last year, a field was permitted to stand until some wild rye had ripened. With the rest of the hay this wild rye was fed to 190 head of cattle. Thirty of the cattle became lame, some lost half a hoof, some whole hoofs, and some an entire foot. The foot usually came off smoothly at the first joint above the hoof. In one case



Front view of Mr. Forshee's milo header, described elsewhere on this page. The machine picks the heads from the stalks. The open points in front receive the row. The stalks are carried upward and the grain is delivered by the trough or elevator shown above the seat.

# A New Stallion Law July 1 Present Licenses Void After That Date

BY C. W. McCAMPBELL, Secretary Livestock Registry Board  
Written for Farmers Mail and Breeze.

THE new stallion license law becomes effective July 1, 1913. It does not apply to stallions standing for service during the spring season of 1913. The new law requires everyone who shall stand, travel, advertise, or in any manner offer a stallion for service in Kansas, shall first get a license certificate for the stallion from the state livestock registry board at Manhattan. All licenses issued under the old law (Chapter 168, Laws of Kansas, 1909) become void July 1, 1913, but may be renewed for the year 1914 if application for renewal be made previous to March 1, 1914.

Stallions will be licensed under four classes—purebred, crossbred, grade and scrub—according to their breeding. The principal purpose of the stallion

must be renewed before March 1 following the date of expiration.

Transfers of ownership must be recorded with the state livestock registry board.

Fees are: New license, \$2; renewal, \$1; transfer, 50 cents.

Copies of the new law, application blanks for licenses, renewals, and transfers soon are to be sent to all stallion owners.

The method of advertising has been simplified and made more practical and effective. In the future every bill, poster, newspaper or other advertisement issued for a stallion must have as a heading for such advertisement the class and number of license issued for the stallion, as for instance, "Purebred License No. 63." This heading must be



Percheron stallion and span of highly bred driving mares, bred and reared on the farm of G. W. McCullough, a Lyon county reader of the Mail and Breeze. The stallion is a 6-year-old and weighs 1,850 pounds.

license law is to verify the breeding of stallions offered for service, and under the new law certificates will be issued without an examination for soundness accompanying the application for a stallion license.

### Inspectors to Visit Every County.

The certificate of soundness will be a separate document from the license certificate. Thoroughly competent men from the Kansas livestock registry board will make all examinations for soundness. These inspectors will visit from six to eight points in each county upon dates previously advertised. Personal notices giving all the points and dates for each county also will be sent to each stallion owner in that particular county a week in advance. The stallion owner brings his stallion to the most convenient point to be examined for soundness. The license certificates are issued for only one year, becoming void December 31 following the date of issue. They

in the largest type used in the advertisement.

The minimum penalty for violating any provision of the law is a fine of \$20 and costs for each offense.

### New Law to Be Strictly Enforced.

The new law is practical and fair. It is definite and specific, with no loopholes for willful violators to escape. Enough men will be put into the field during each breeding season to enforce the law in every county.

The law was passed for the benefit and protection of mare owners, that they might have authentic information in regard to the breeding of any stallion. In return for this protection mare owners should be more prompt in meeting their obligations to the owners of the stallions, not only in returning mares at the proper time and giving them the proper feed and care, but also in settling for the service fee.

Manhattan, Kan.

# Cows Will Need Summer Feed A Forage Crop Will Help Milk Flow

BY A. S. NEALE, Kansas Agricultural College  
Written for Farmers Mail and Breeze.

WITH the approach of midsummer, pastures begin to dry up, growth is not so vigorous, hot weather accompanied by flies is at hand, and extra precautions have to be taken to prevent serious shrinkage in milk flow. The hardest period of the year to produce milk is from July 15 to September 15. The cost of production is higher then than at any other time.



A. S. Neale.

As soon as you notice any appreciable shrinkage in the flow of milk begin feeding something in addition to pasture. The man who has at hand enough silage for this period is fortunate. It makes the most economical succulent feed for the summer, being also the most convenient to feed.

Next to silage come soiling crops. The first to be ready, as well as one of the best, is oats and Canada, or field peas. These are available from June 10 to July 1. Then comes early corn, followed by cane, Kafir, cowpeas etc.

### Crops That Can Be Planted Now.

It is still possible to plant a crop for the late summer feeding. Often there are small patches of land on the farm which can be utilized for this. The turning strip at the ends of the corn rows may be disked at once and cowpeas, cane, Kafir or corn drilled in with the grain drill, making enough feed on the average farm to carry the dairy herd through the late summer, before silo-filling time. This strip of land will then be kept from growing a crop of weed seed with which to pollute the farm, also will yield a valuable crop of forage. These strips should be prepared immediately and seeded, thickly enough to keep down weeds. Subsequent late

(Continued on Page 15.)

# Hay! You, too, can make big money Baling with the Sandwich

Every grower in your district will pay you handsomely to bale his hay! "Net profits per day \$18 to \$22," write Swartz & Mensch, Dixon, Ill. "Cleaned up \$300 in 6 weeks," writes Wm. J. Bulick, Reading, Minn. Other hustlers making \$200 to \$300 net monthly profits. And these men are all using the solid steel, big tonnage Sandwich.

### Start With Little Money!

We'll make special terms with any responsible person. And you can pay from your profits. Unless we knew the Sandwich will make you stacks of ready cash, we couldn't sell this way. Yes, success is assured you before you begin.

steady, sure and strong. And the bales come out slick, clean and solid—rain or shine—from one to two a minute.

### Biggest Tonnage—Biggest Profits

Each year experienced hay balers discard other makes and buy the Sandwich. Their actual working tests prove this press beats all ordinary machines from 2 to 8 tons daily. 25 tons are an every day job for the Sandwich—30 to 40 if you hustle.

### Gas Engine on Same Truck

Full power is driven from engine to press by a heavy steel roller chain. It does away with slipping belts—with their dangers and delays. The Gas Engine is the best quality—hopper cooled type—gear driven magnets—4, 6, 8 and 10-horse power—and develops more than rated.

Simple Time-Tried Self Feeder rises high up out of the way of operator and will stand hard crowding. Its big feed opening is unobstructed. The motion is slow,



day job for the Sandwich—30 to 40 if you hustle. Write for "Tons Tell"—Now FREE. This book—free to those who are wide-awake—tells you the enormous profits waiting the touch of your hand. What hundreds like you are doing—you can do. So write today and it comes by return mail. And if you're interested in Horse Power Presses, ask about our big line of these.

SANDWICH MFG. CO., 180 A Street, Sandwich, Ill. Box 180, Council Bluffs, Ia. Box 180, Kansas City, Mo.

# Sandwich Motor Press Supplies Its Own Power

# GET THE BEST TWO MAN POWER PRESS MADE

Here's the best Power Hay Press made. We guarantee it to do as much if not more than any other Press of equal size. Capacity limited only by the ability of the feeder. Sold with or without engine. Make no mistake—get the "Missouri." Write today for our liberal proposition and Free CATALOG. THE MISSOURI HAY PRESS CO., 1301 West 11th Street, KANSAS CITY, MO.

For Plowing  
Freighting  
Threshing  
Grading  
It Has No Equal



# It Lays Its Own Track The Creeping Grip Tractor

Good Roads  
Rough or  
Swampy  
Ground  
Are Alike  
To This  
Powerful  
Tractor.  
It Will Go  
Anywhere

### Motor Operated with Kerosene, Distillate or Gasoline

The "Creeping Grip" delivers at the draw bar in pounds pull a greater percentage of the power generated by the motor than any other tractor made. Remarkable fuel economy and low cost of up-keep are its strong features. We absolutely guarantee the creeper shoes or tractor bands for the entire life of the machine.

The "Creeping Grip" Tractor has the strongest warranty of any tractor on the market. Three sizes:—40 Brake H. P.—30 Draw Bar H. P.; 60-45 H. P.; 75-55 H. P.

The "Creeping Grip" Tractor makes our customers our friends. Send for catalog and testimonials.

WESTERN IMPLEMENT & MOTOR COMPANY  
DEPT. T 5. DAVENPORT, IA., U. S. A.

# SECTIONAL CORRUGATED METAL STACK COVERS

### SAVE ALL ALFALFA—PAY BIG PROFITS



More economical than barns or sheds. Corrugated sheets are 20 times as strong as plain. Being made in sections, occupies but little space when not in use. Shipped in bundles and takes lowest freight rate. Saves Alfalfa in better shape than if stored in a barn. Made in all sizes. Easy to put on. Will last a life time.

### FARMER AGENTS WANTED

Write today for literature and special agents prices to one man in each locality.

THE MARTIN METAL MFG. CO., Dept. C Wichita, Kan.

# "BLUNDERS OF A BASHFUL MAN"

You will laugh, you will yell, you will scream at THE BLUNDERS OF A BASHFUL MAN, as told in the world's compelling mirth and irresistible humor rejuvenates the whole body. In this screamingly funny volume the reader follows with rapt attention and hilarious delight the mishaps, mortifications, confusions and agonizing mental and physical distresses of a self-conscious, hyper-sensitive, appallingly bashful young man, in a succession of astounding accidents and ludicrous predicaments, that convulse the reader with cymbonic laughter, causing him to hold both sides for fear of exploding from an excess of uproarious merriment.

The World's Funniest

Fun Book

# FREE

FREE OFFER This funniest of all funny books will be sent you absolutely free, by mail, postpaid, upon receipt of only 25 cents to pay for one new, renewal or extension subscription to our big home and news weekly. Address at once,

WEEKLY CAPITAL, Dept. F. B. 10, TOPEKA, KAN.



## JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

We like to get the experiences, views and opinions of "our folks" on any farm or livestock subject particularly if seasonable and likely to help some of us who may need the information. Your letters are always welcome. Subscriptions to Farmers Mail and Breeze or other good publications for best letters received. Address Editor Farmers Mail and Breeze, Topeka, Kan.

The potato crop this year appears to be a pretty good one. Home grown new potatoes now are on the market and the sale of the old crop is about over. The rain of a week ago came just in time to help this crop along.

There seems to be a good hay crop all over the West. The first crop of alfalfa was large, the second crop is well along and prairie hay practically is made. With the large amount of old hay still on hand it is likely this means another year of cheap hay.

A big crop of anything reduces prices until the profits are less than those realized from a medium crop. The short crop of hay two years ago made the farmers of this section more money than any other hay crop they had ever harvested, but the good crop of last year returned them little net profit. However, there is one good feature of plenty of cheap feed, the farm animals do not go hungry.

Prairie grass pastures are at their best and the cool weather is holding back the flies. Because of this, cattle are doing well and probably will continue to for at least another month. The gain that cattle make now is worth more to farmers than ever before.

Assessors' returns show that Coffey county has about 27,000 cattle on hand. As this return does not include calves less than 6 months old, it is likely that the number is now well over 30,000. This is several thousand head under the number that used to be returned from this county 10 or 15 years ago. Then the average number of cattle in Coffey county used to run about 35,000 head.

While this part of Kansas is maintaining its number of cattle better than many other parts of the West, there is not much show that this number is going to be increased soon. We should say, from what we have seen in our drives over the county, and from talks with farmers, that the calf crop here is no greater than last year and that it falls behind the calf crops of 15 years ago by at least 30 per cent. The high price paid for all kinds of cattle tends

### BOTH GAINED

Man and Wife Fatten on Grape-Nuts.

The notion that meat is necessary for real strength and the foundation of solid flesh is now no longer as prevalent as formerly.

Excessive meat eaters are usually sluggish a part of the time because they are not able to fully digest their food, and the undigested portion is changed into what is practically a kind of poison that acts upon the blood and nerves, thus getting all through the system.

"I was a heavy meat eater," writes an ill man, "and up to two years ago, was in very poor health. I suffered with indigestion so that I only weighed 95 pounds.

"Then I heard about Grape-Nuts food and decided to try it. My wife laughed at me at first, but when I gained to 125 pounds and felt so fine, she thought she would eat Grape-Nuts too. Now she is fat and well and has gained 40 pounds. We never have indigestion any more and seldom feel the desire for meat.

"A neighbor of ours, 68 years old, was troubled with indigestion for years, and was a heavy meat eater. Now since he has been eating Grape-Nuts regularly, he says he is well and never has indigestion.

"I could name a lot of persons who have rid themselves of indigestion by changing from a heavy meat diet to Grape-Nuts." "There's a Reason." Name given by Postum Co., Battle Creek, Mich. Read the little book, "The Road to Wellville," in pkgs.

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

to keep those fit for market closely shipped out.

In a large bunch of cows there will be, in an average spring, something like three-fourths as many calves. The 25 per cent of cows that do not bring calves now are very likely to be shipped, because they bring such a high price. In former years a farrow cow, if she was worth anything at all, was kept over and given a chance to raise a calf the next year. But when a high price is paid there is a great temptation to sell farrow stuff and this helps to prevent much increase in cattle.

A neighbor who had a field of upland wheat, saw that the bugs were going to take it and some time ago plowed it up and planted corn. The bugs did not leave the plowed field but hung around until the corn came up. They then ate the corn. Now he is wondering what he can plant on that field in order to get a crop from it this year. He has two crops in mind, buckwheat and cowpeas. Either will be safe to plant so far as the bugs are concerned; chinch bugs will not eat buckwheat or cowpeas. In fact, chinch bugs will eat no crop that does not grow from the center, like grass and most of the grains.

Now if we had this field we would not consider buckwheat long. It is a crop we are familiar with, having grown it for many years in northern Nebraska. The fault of the crop is its uncertain yield, for it must have cool and moist weather when filling; then its poor market demand, for it is grown so little it would have to be shipped by local freight. Also it shatters when ripe. This last fault lost us half our crop several times.

In Nebraska we used to sow our buckwheat about June 25. Here it could, and should, be sown later. Probably it would be all right to sow buckwheat well up into July. It would have to be sown rather late here to meet with cool weather when the grain was filling. We always sowed it broadcast on plowed ground at the rate of half a bushel an acre and harrowed it in. One year we raised 17 bushels to the acre after a heavy wind had shaken off at least one-third of the ripe grain. Also we have raised as low as 4 bushels an acre when there was no shattering.

The average yield of buckwheat in the West is not far from that of flax or from 7 to 10 bushels an acre. For several years we sold our buckwheat crop to a local mill for 40 cents a bushel. No farmer was informed about prices then and because the mill paid only 40 cents we thought it was all it could afford to pay; we never looked the matter up. One year there was a good crop and the mill started buying at the old price that had been paid for years, 40 cents a bushel. A man who had just come in from the East said the mill was skinning the farmers and he started to buy from the car door. He paid 70 cents a bushel delivered at the car and of course got all the buckwheat. The mill then raised the price to 70 cents but that was about the last year of buckwheat raising in that part of the state. We do not think any has been grown there since.

It is no use to plow under chinch-bug infested grain and trying to raise any crop like corn, cane or Kafir on the same ground the same year. The bugs will stay in the ground for a long time and when the small corn comes up they will hop onto it with such appetites that it will not last long. Could one wait long enough after plowing possibly the bugs would leave, or perhaps starve, but one cannot wait; at that late date corn must be planted at once or not at all. The same holds good also with Kafir, and to a less extent with cane. So we advise cowpeas as a crop to plant or sow on chinch-bug infested land.

And just now, while the farm papers are filled with plans for keeping chinch bugs from going from small grain fields into corn, we want again to give the plan that has been followed here by a number of farmers with complete success. In order to make the plan work the corn must be large enough to make quite a showing, say nearly waist high. Then when the bugs start to go into it, cut or pull enough rows to make a continuous pile along the edge of the field. Those who have tried it say that it is better to pull the corn than to cut it. The bugs will get under this pulled corn by the million and they stay there and die. Whether or not the souring juice they eat kills them we cannot say, but they die.

We have never tried this scheme on this farm for we never plant corn alongside a small grain field. But those who have tried it in this neighborhood say it completely stops the bugs. It is possible this plan might fail in some cases but so far we have heard of no failures. If the corn is too small it cannot be worked, of course, for it must be large enough to make a pile along the field. In all the methods given by the agricultural college for stopping bugs we have never seen this reported. We wonder if the college ever has given it a trial? It would be well to know if it can be relied on in all cases. If it can, it is a much simpler and easier way than any ditch, dust mulch or oil barrier method. The testimony of all those who have used it here is, that it works and that practically no bugs get past the fodder piles. Some pile the fodder in a continuous row and some make two rows of piles a little distance apart. Let us hear from Mail and Breeze readers who have used this plan; we think the farmers of Kansas and Oklahoma would be mightily interested to know whether or not it is always a success.

### Our Independence Our Weakness

We are all interested in what our neighbors think of our ways, whether they see anything good in them or not. Lack of organization among American farmers is our greatest weakness, according to Sir Horace Plunkett, the noted Irish agricultural economist and member of parliament. Plunkett is known the world over as a well-informed English farmer and recently visited this country to study our methods. In a speech in Wisconsin he said:

"The weak spot in American, as in English, farming is not so much in technical methods as in business organization. The farmer complains, and complains rightly, that his industry is thwarted by combinations and trusts, and is constantly calling upon the legislature to clip the wings of his business rivals. Something, no doubt, can be done for his protection, but I hold it to be true that it is not within the competence of the state to place unorganized individuals upon an equality with organized interests.

"Looking over the industry as a whole, I think it is quite safe to say that at least 95 per cent of a farmer's business transactions are conducted individually without any trace of combination with others doing the same business. The failure of farmers to combine in days when those engaged in every other commercial industry and calling combine, when farmers of every progressive country in Europe have recognized in combination the condition of economic survival, is due simply to the fact that farmers have not understood, and no one has thoroughly explained to them the co-operative principle."

There is no disinfectant and cleanser for milk pails like boiling water.

## USE THIS PRESS in Your OWN FIELD 30 DAYS FREE



I want to loan you this 3-stroke, self-feed Auto-Fedan Hay Press 30 days. I want you to set it up in your own field and try it to your heart's content. I want to prove to you by actual test that the Auto-Fedan is all I claim for it—that it will save you one-third the labor and from 20 to 30% the expense of any hay-press on the market. E. F. ROSS, Pres.

### HERE'S WHY YOU NEED AN AUTO-FEDAN

It will bale from one-fifth to one-third more hay per hour than any other two-horse hay press made; and baling from the windrow two men can operate it and bale more hay than three men can with two-stroke presses; it is a self-feed and absolutely safe; it does not pound nor hammer the hay, but presses it into compact layers; it sets low, you pitch directly into the hopper; will bale any kind of hay from the finest to the coarsest; and with its long sweep and short crank arm is the most powerful press made, free from trouble and breakage. Write today for FREE illustrated booklet and rock bottom price list.

Two Men Can Run It  
AUTO-FEDAN HAY PRESS CO.  
1514 W. 12th St.  
Kansas City, Mo.



Send For My Free Book.

CONSIGN US YOUR HAY.

## The Jayhawk HAYING TOOLS.

MADE OF Wood or Galvanized Steel

Send for Free Catalog

F. WYATT MFG. CO.

Salina, Kan.

106

N. 5th

Street.

Also a full line of implements on which we can save you money. Write for Big Free Bargain Book.

### SELF FEEDER AND SELF-TYER



The Tuttle combined power hay press saves you MONEY. New side self-feed and the self-tyer does it. 2 men can run it. 3 men in a full crew. Fully guaranteed for 12 months, SELF-TYER AND ALL.

TUTTLE HAY PRESS CO.,  
611 Main St., Pleasanton, Kan.



ADMIRAL POWER HAY PRESS  
SALES HAY—SAWS WOOD  
GRINDS FEED, PUMPS WATER  
WRITE TO DAY  
ADMIRAL HAY PRESS CO. KANSAS CITY, MISSOURI  
608 S 7

### "RANGER" BICYCLES

Have imported roller chains, sprockets and pedals; New Departure Coaster-Brakes and Hubs; Furniture Proof Tires; highest grade equipment and many advanced features possessed by no other wheels. Guaranteed for 5 years.

FACTORY PRICES direct to you. We save you less than others ask for cheap wheels. Other reliable models from \$12 up. A few good second-hand machines \$3 to \$5.

10 DAYS' FREE TRIAL. We ship you a pair of tires from anyone at any price until you get our big new catalog and special prices and a marvelous new offer. A postal brings everything. Write it now.

Coaster-Brake Rear Wheels, lamps, parts and sundries half usual prices. Rider Agents everywhere are coinng money selling our bicycles, tires and sundries. Write today.  
MEAD CYCLE CO. DEPT. F131 CHICAGO

## Stack Hay the SUNFLOWER Way!

Save half the time and expense putting up Alfalfa, Clover, Timothy, etc. The automatic SUNFLOWER stacker pays for itself in three weeks. Driver always has easy and complete control in guiding, elevating and dumping. A 16-year-old can handle it. The only stacker guided by a rudder and not by the horses.

The SUNFLOWER loads from the windrow and automatically elevates and dumps load anywhere on a 20-foot high stack. Lowers without backing from stack; works from either side or end of stack. Will not break down in front, nor tip up behind. Simplest in construction, strongest and easiest to operate.

Write immediately and let us submit proof of every claim we make. We are ready to show a big saving. Just drop us a postal card and say "show me" on the stacker proposition.

SUNFLOWER stackers are sold and guaranteed by the factory direct to you. Write today.

SUNFLOWER MFG. CO.  
919 Fremont, Manhattan, Kan.



SAVES \$10 A DAY

# How To Fix Wheat Ground

Some Things We've Proven in Kansas

BY H. M. COTTRELL

Written for Farmers Mail and Breeze.

WHEAT raised on land that had been disked but not plowed yielded 4 1/4 bushels an acre, while wheat sown on land that was plowed 7 inches deep July 15 yielded 38 1/2 bushels an acre. These yields were obtained on the farm of the Kansas Agricultural college in 1911. This was such a hard year on wheat that 2,731,638 acres sown in Kansas that year were not harvested. The basis for securing large yields of winter wheat in Nebraska, Kansas, Oklahoma and Colorado is early and deep plowing followed by thorough preparation of the seedbed.



H. M. Cottrell.

Where wheat is to follow wheat or other small grain, the disk harrow with sharp disks should follow the binder. The binder throws the bundles over one swath and when the disk harrow follows directly behind the binder, the space left bare can be disked ahead of the shocking. This disking will often insure the following crop, where without it there will be a failure. Disking immediately behind the binder is important because accurate tests have shown that where stubble ground is left bare and unstirred moisture equal to 1 inch of rainfall may be lost by evaporation in a single week. As much mois-

soil. None of the land in this district had been plowed for nine years, much of it had not been plowed for 15 to 20 years. When the prairie sod was first broken, the wheat was often drilled in among the stubble without even disking the land. In later years it has been the general practice to disk the land before seeding. This method gradually exhausted all the vegetable matter in the soil, leaving nothing to bind the particles together. The land was disked when very hard and dry the two summers before the blowing occurred and this put the soil into a condition similar to powdered brick. When rains came this powdered brick-like soil would not mass together and stayed loose, like so much fine shot ready to be blown by the first winds. There were several heavy rains during the worst blowing and a good precipitation throughout the summer, but these did not stop the blowing.

### Dollar Value of Deep Plowing.

It is the general opinion among the farmers in the districts of Kansas, Oklahoma and Texas where the yield of wheat is low, that plowing for wheat does not pay. Many of the farmers around Gem, where the wind blew off both crop and surface soil, are still certain that a man cannot afford to plow for wheat. At the Kansas Agricultural college the land that was disked but not plowed returned \$1.47 an acre more than the cost of preparing the soil. The land that was plowed deep in July returned



Many Oklahoma and Kansas farmers find, if they thoroughly disk the surface of a field when it is becoming too dry for plowing, that the moisture rising from the subsoil will be stopped just beneath the disked surface and in a few days plowing can be resumed though no rain has fallen.—Marle Woodson.

ture may be lost in a month, when the ground is left hard and bare, as is needed to make a yield of 20 bushels an acre.

### Best Yields From Early Plowing.

When the wheat cannot be removed from the field promptly, it will often pay to disk a second time, working around the shocks.

The disked land should be plowed early and deep. In 1911, at Manhattan, the yield per acre from deep plowing July 15 was 38 1/2, August 15 was 23 1/2 bushels and September 15 was 15 1/4 bushels an acre. Listing early produced nearly as good results as plowing early. Land listed deep July 15 and worked down yielded 35 bushels an acre. Early listing is a practical method for thousands of wheat growers in the Southwest.

In July, 1912, near Gem, Kan., the railway cuts for 10 miles were filled with dust from the wheat fields, drifts of fine dust were piled as high as 12 feet against buildings and in many of the door yards. This dust came from the wheat and practically all the crop and all the soil as deep as it had been stirred had been blown off a strip covering 150 square miles.

### How a "Blowing" Soil Is Created.

This soil blowing began in April, 1911. It has continued more than a year and at times still is bad. It is the extreme effect of the continuous growing of wheat without proper preparation of the

\$25.74 an acre above cost of preparing the soil. The land that was listed deep in July and worked down returned \$24.35 an acre above cost of preparing the soil.

Wheat needs a deep, firm seedbed. The deeper the seedbed the better, but it must be firm. A loose, open seedbed contains so much air that many of the roots are killed. A shallow seedbed will not absorb enough of the rainfall to make a full crop. The surface soil should be loose to a depth of 2 to 3 inches and the seed should be dropped just in the top of the firm portion below the earth mulch so that it will have a good supply of moisture.

### Packing Doubled the Yield.

When there are good rains after land has been plowed early for wheat, the rains will pack the soil sufficiently to make a good seedbed. When the rains do not come the soil must be packed by machinery. A disk harrow can be used for packing, setting the disks at a slight angle and weighting the machine. Sub-surface packers firm the soil better than a disk harrow and leave the surface corrugated and rough so that the soil will not blow badly.

In one case 160 acres were prepared for wheat, 80 acres were prepared by thorough harrowing and 80 acres were well packed before seeding. The drills were run across the two methods of treatment. The harrowed ground yielded 18 bushels an acre, the packed ground 40 bushels an acre.

## Make Your Own Electric Light!

After two years of experimenting and actual operating tests we are ready to furnish simple, dependable electric lighting plants for farm use. You can now make your own electric light for the house, barn, outbuildings and yard with a complete, easily operated electric lighting plant, guaranteed by Sears, Roebuck and Co. You can now have every lighting convenience enjoyed by city people. There need be no more poor light on your farm. Make your home attractive, make reading and sewing a pleasure, light up every dark corner by installing one of the

**Complete Private Plants, Perfected and Guaranteed by Sears, Roebuck and Co.**

Our plants are simple, easy to install, easy to operate and care for, reliable and economical. If your present method of lighting isn't what it should be, investigate our complete private plants.

We have a new book which goes into detail, explains the advantages of making your own electric light, tells all about the styles and sizes of our plants and quotes prices that save you many dollars on the right outfit for your needs. Our book is easy to understand and is illustrated throughout.

Write us a postal today. Ask for our new Electric Lighting Plant Catalog No. 65M73 Address

**Sears, Roebuck and Co.**  
Chicago, Ill.

## BETTER PIANOS—

**LESS COST—  
EASIEST TERMS.**



Every home needs a piano—every home gets one sooner or later. Naturally when you buy you want to buy at a rock bottom price. The Jenkins Music Co., is the oldest and largest piano establishment in the West. The foundation of our growth is A SQUARE DEAL TO EVERYONE. There is no gush—no hot air in our advertisements. We believe that many piano advertisements are an insult to your intelligence with their FREE offers and other deceptive statements. We presume you prefer to buy a piano in a square business like way. We positively sell the best, most dependable pianos made—we positively provide the lowest prices in the U. S.

Parkville, Mo., May 30, 1913.  
Dear Sirs—In the spring of 1912 my brother, C. E. Hughes, of Kansas City, Mo., purchased an "Elburn" piano from you. It has always been satisfactory, and words cannot express the enjoyment we have had from it.  
Respectfully yours,  
MAURINE HUGHES, Parkville, Mo.

STEINWAY, VOSE, KURTZMANN, ELBURN, all pianos on comfortable monthly payments. Write for catalogue and prices—new pianos \$125.00 and up. Used pianos as low as \$50.00. Guaranteed new player pianos \$435.00 and up. Call and write.

**J. W. Jenkins Sons Music Co., Kansas City, Missouri**

## Thirsty Cattle



should have plenty of fresh, cool water these hot days. Let **The Fuller & Johnson Farm Pump Engine** at the **New Low Price**, supply it for you. The hotter the day the thirstier the cattle get, and it is no fun pumping by hand in a sweltering sun. The Farm Pump Engine, no matter what the weather, is always ready to supply at once.

**270 to 2,450 Gallons of Water Per Hour!**

This remarkable engine is safe—easy to operate—economical—durable—absolutely weather-proof—no belts, braces, or special platforms needed. Comes ready to run. Will also operate grindstone, washing machine, separator, etc. That they are now used daily

**All Over the World** is the real evidence of their success. We want to tell you all about this remarkable engine—how it is made—what it will do for you—and the extremely low cost at which you can buy it, so

**Write Today for Catalog No. 17—Get the New Low Price**

**FULLER & JOHNSON MFG. CO.**  
6 Manning Street. Madison, Wisconsin

(379)

## \$25 for a Name for this Pony



I will give \$25.00 FREE for the best name for this beautiful prize Shetland pony. Send the best name you can think of right away, for not only do you have a good chance to win the \$25 prize but

**You Can Win the Pony, Too**

for I am going to give him to some boy or girl who will do a little easy work for me. I have just given "Dandy," another beautiful pony, and now I am going to give away this pony. But first I want a name for him.

**1500 VOTES FREE**

Just as soon as you send me a name for the pony I will tell you all about my great offer and I will send you a special coupon good for 1500 free pony votes. Remember, I will give \$25 for the best name for this pony, and I send you 1500 free pony votes and full particulars about the pony as soon as I hear from you. Write me today.

Copyright, 1913, By A. M. Piper. **A. M. PIPER, 665 Popular Bldg., Des Moines, Ia.**



# FOSTER'S FORECASTS

(Copyright 1913 by W. T. Foster.)

Washington, D. C., June 28.—Last bulletin gave forecasts of disturbances to cross continent June 29 to July 2 and July 4 to 8; warm waves June 28 to July 1 and July 3 to 7; cool waves June 30 to July 4 and July 6 to 10. These two disturbances will cover one of the most severe storm periods of the year but we cannot now point out the locations where these dangerous storms will strike. We have made good progress in our efforts to work out a method of locating all weather events but we are not quite far enough along to risk a forecast of locations. This is our last warning of this dangerous storm period and all we can do is to advise all to be on the alert from July 2 to 12.

We are expecting a low, or storm center, to cross the continent, from the Pacific to the Atlantic, from July 4 to 8 and another from June 28 to July 2, and every one should watch the location of these storm centers. The dangerous parts of the storms will all the time be from one to five hundred miles southeast of the center of the lows.

If the hurricane, as is expected, organizes eastward of the Windward Islands near July 4 then all who are interested in such storms on the Caribbean sea and Gulf of Mexico will need

to watch that hurricane for ten days as it will require that long before it leaves our coasts. In case the hurricane organizes then our middle northwest should expect an unusually low temperature cool wave, possibly going to the frost line in the extreme northwest.

Should tornadoes occur with this disturbance they may be expected in the Mississippi valleys between 40 and 45 or north latitudes. Tornadoes usually come from the southwest and move toward the northeast and they usually occur in the southeast quadrant of the low. To get out of the path of the tor-



(For Better Understanding of the Forecasts.) Broken lines separate map into eight great valleys including the Northwest and Southwest, and Eastern Sections including the Lakes, the Northeast, the Southeast weather districts, named North Pacific Slope, South Pacific Slope, Great Central and Washington. The dividing line bisecting St. Louis is meridian 90.

nado one should, as a rule, move northwest or southeast. Excessively heavy rains, cloud-bursts and hail indicate tornado forces. If we had control of these storms we would have them strike some sandy desert.

The last disturbance of this great

storm period will reach Pacific coast about July 9, cross Pacific slope by close of 10, great central valleys 11 to 13, eastern sections 14. Warm wave will cross Pacific slope about July 9, great central valleys 11, eastern sections 13. Cool wave will cross Pacific slope about July 12, great central valleys 14, eastern sections 16.

## An Organized Fight on Cholera

The government is to take up the plan, now being tried in Kansas, of attempting to stamp out hog cholera in a certain county or district and keeping it out thereafter by means of the serum treatment and quarantine regulations. The success of the plan will mean an establishment of similar "health centers" in all parts of the swine belt and a gradual banishment of the disease. Ultimately, no doubt, it will be held in check much as smallpox is among humans.

The special appropriation of \$75,000 made by congress "for demonstrating the best method of preventing and eradicating hog cholera," becomes available July 1. Work will be begun first in Dallas county, Iowa, and will be taken up later in Indiana, and in one or two other states, by the U. S. department of agriculture. In Iowa the work will be done in co-operation with the state veterinarian and the Iowa State college. The state veterinarian will issue and enforce restrictive regulations to prevent the spread of the disease. During the year, the bureau of animal industry will prepare and apply the serum to hogs on infected farms and on neighboring farms in Dallas county, to check and prevent the spread of the infection.

The losses for last year through hog cholera in the United States are estimated at 60 million dollars.

## No More Threshing Dinners

Indiana farmers have stopped making threshing day a free for all picnic. Hereafter each man must bring his own dinner and go home to supper. The "threshing ring" as it is conducted in Ohio and Indiana is proving more popular every year and has done away with extravagant and wasteful meals. Another purpose which they serve is to give each man the same kind of work at every threshing during the season. In this way a man becomes familiar with his task and the whole job is accomplished more rapidly and easily. No wages are being paid anyone to stand idle nor is anyone overworked. The successful "rings" usually have a simple plan of management. Common sense will suggest a basis for apportioning the help to be furnished, on the acreage of grain which each man raises.

I have six other farm papers but none can take the place of the Mail and Breeze.—J. R. Garman, Turon, Kan.

## A Puzzle For Mail and Breeze Boys and Girls

HERE is a puzzle which will help you to know the names of some of the birds. Add and subtract each line according to the pictures, and you will have the name of a bird as the answer. A set of postcards will be awarded for each of the best 10 solutions received by Friday, July 4. To your solution attach your name and address, then mail to Farmers Mail and Breeze, Topeka, Kan., making sure to mark the lower lefthand corner "Puzzle Department." ENCLOSE NO OTHER BUSINESS WITH YOUR SOLUTION. Prizes are awarded not only for your skill in solving the puzzle but for the neatness, originality and general care taken in preparing the answers.



The puzzle which appeared in the June 14 issue of Mail and Breeze represented (1) ivy, (2) parsnips, (3) pansies, (4) ferns, (5) parsley, (6) carrots. The prize winners are: Elizabeth Stevenson, St. Marys, Kan.; Lila E. Bryant, Star Route, Quinter, Kan.; Myrtle Neher, R. 5, Abilene, Kan.; Elsie Parsons, Quinn, S. D.; Elsie Flowers, R. 1, Logan, Kan.; Wayne Stevenson, R. 1, Elk City, Okla.; Amanda Bohlen, R. 1, Cordell, Okla.; Nettie Tuckwood, Stafford, Kan.; Florence Feik, R. 4, Elk City, Okla.; and Mrs. R. A. Crow, R. 2, Minneapolis, Kan.



Actual Photograph of Cyclone at McPherson, Kan., April, 1904. Fourteen Homes Destroyed; Loss \$70,000.

## ARE YOU PROTECTED?

During 1912 we paid 1183 losses in Kansas, of these 264 were fire, 294 lightning and the remaining 625 were WIND losses. We paid total or partial losses by wind in 95 of the 105 counties of the state in 1912.

We insure you against wind at cost. That's what we farmers banded together for. Write today. FARMERS ALLIANCE INSURANCE COMPANY McPHERSON, KANSAS



**KOUNS' Steel Stackers**  
LOADERS AND BARN FILERS  
Are superior to all others. Let me show you. KOUNS, Salina, Kansas



## WE TEACH YOU

SPECIAL OFFER to all students who enroll at the **Lincoln Auto School** during the summer months. Write for particulars and free catalogue at once. LINCOLN AUTO SCHOOL 2250 46th Street, Lincoln, Nebraska

## Relief For Rupture Without Operation

We Allow A 60-Day Test—Entirely At Our Own Risk—To Prove It. No longer any need to drag through life at the mercy of leg-strap and spring trusses. No reason in the world for letting them force you to undergo a dangerous operation.



## Away With Leg-Strap and Spring Trusses

So far as we know, our guaranteed rupture holder is the only thing of any kind for rupture that you can get on 60 days trial—the only thing we know of good enough to stand such a long and thorough test. It's the famous Cluthe Automatic Massaging Truss—made on an absolutely new principle—has 18 patented features. Self-adjusting. Does away with the misery of wearing belts, leg-strap and springs. Guaranteed to hold at all times—including when you are working, taking a bath, etc. Has cured in case after case that seemed hopeless. Write for Free Book of Advice—Cloth-bound, 104 pages. Explains the dangers of operation. Shows just what's wrong with elastic and spring trusses, and why druggists should no more be allowed to fit trusses than to perform operations. Exposes the humbugs—shows how old-fashioned worthless trusses are sold under false and misleading names. Tells all about the care and attention we give you. Endorsements from over 5000 people, including physicians. Write today—find out how you can prove every word we say by making a 60 day test without risking a penny. Box 545—Cluthe Co., 125 E. 23rd St., New York City

## Get This Magnificent \$25 "Climax" Talking Machine

# FREE

## On My Special "First Member" Co-operative Club Plan!!

Also 10 Beautiful Selections on Big 10-Inch Records

EVERY home in the land may now know "the joys of music." Every fireside may now be made equally attractive to young and old by the most popular and most delightful form of entertainment known to this age. The "Climax" Talking Machine brings into your home the world's most famous singers, actors, minstrels, quartettes, bands, orchestras, soloists and comedians—entertainment that never gets tiresome or uninteresting—entertainment that may be used for the amusement of all the family, your neighbors and friends, at any time and all times!

I want to distribute 1,000 of the latest improved "Climax" Talking Machines—each fitted out complete with extra large horn, 100 needles and 10 famous musical selections. For this purpose I have organized the Capper Talking Machine Club and I have a most attractive plan by which I give one of these complete outfits, absolutely free of cost, to the first member joining my club from each locality.

## POSITIVELY NO PUBLIC WORK!

No Canvassing! No Soliciting!

I will ship you one of these machines absolutely free—without a cent to be paid in advance. You can play it as many times as you wish and use it as your very own for one whole month. In the meantime my original and most wonderful plan will be working in your interests and for you so that your magnificent entertainment without its having cost you a penny! There is positively no public work, no canvassing, no soliciting for you to do! There is no "catch" in this offer by which I require you to go out and sell something. Remember, there is positively no public work of any kind for you to do in order to obtain the wonderfully liberal advantages of my great plan by which you may secure one of these fine outfits absolutely free!

Be quick if you want to get the benefits of this unequalled "first member" plan. Send no money. Just say, "Tell me about your free Talking Machine Plan." Sign name and address and mail your request today and I will mail full particulars the same day I get your letter. Address, **CAPPER TALKING MACHINE CLUB, Dept. 12, Topeka, Kansas**





# Dairy Farming

CONDUCTED FOR FARMERS MAIL AND BREEZE BY A. G. KITTELL.

This department aims to be a free-for-all experience exchange for our folks who keep milk cows. We are glad to hear from you often. A Mail and Breeze subscription and other prizes awarded each week for helpful or interesting letters or bits of dairy news.

Prepare to help out the short pastures.

If a cow falls off in milk now, it is hard to bring back the flow.

It's either a darkened stable or milking early and late these days. Flies give the cows no peace.

If the milk sours before the cream rises you will make a poor quality of butter besides losing much cream.

A cow must furnish 150 pounds of butter fat before she has paid her bills. After that, what she gives is profit.

Western dairymen are finding out that cowpeas are almost equal to clover or alfalfa as a dairy ration and are a much surer crop.

The inquiry for dairy cows was never so great. If it holds, it will pay better to raise dairy heifer calves than beef steers.

Go to the stockyards on a shipping day and you would find the finest hogs are brought in by the dairymen.

Nowadays to raise a beef steer for market costs at least \$75. That amount will raise two dairy heifers and the heifers will now sell for more than \$100.



## New Silo Book FREE

It's full of valuable information for every farmer and stock raiser. Tells all about the special and exclusive features of the famous

**INDIANA SILO**  
Twenty-Five Thousand in use. Write and learn why it is best and cheapest and get our New Silo Book Free.  
**INDIANA SILO COMPANY**  
Distributors, Paper Ensilage Cutter. The largest makers of Silos in the world. Address nearest factory: 57 Union Bldg., Anderson, Ind. Indiana Bldg., Des Moines, Ia. Silo Bldg., Kansas City, Mo.



Save \$25 to \$40

The Separator Question Solved

## BEATRICE

For years farmers have been kicking against exorbitant prices for standard separators. Here's the answer: Get a Beatrice. The one standard separator at a reasonable price. \$25 to \$40 cheaper than other standard makes.

Patented device will make the machine spotless and thoroughly sanitary in less than 2 minutes. A close, clean skimmer. Saves money—saves cream—saves labor.

If you do not know a Beatrice dealer near you, write us. We'll send you booklets, and satisfy your needs.

THE CONTINENTAL CREAMERY CO.  
Topeka, Kan., Oklahoma City, Okla.

### Combining Silage With Pasture.

[Prize Letter.]

Mr. Editor—I have 14 head of cows and calves which I turn out on a small pasture three or four hours each day. The rest of the time they stand in a dry lot and eat silage. The cows are giving a heavy flow of milk and the young stock is fat enough for beef. The dry weather has no effect on them, as it does on stock depending entirely on pasture for sustenance. One acre of corn will make silage enough to feed one full grown animal a year. I built my silo last year and filled it with mature corn, but dampened the corn while putting it in. Will Mathes.  
R. 3, McPherson, Kan.

### Greater Profit In Cream Selling.

[Prize Letter.]

Mr. Editor—We have tried selling both butter and cream and find cream selling the more profitable in western Kansas. Selling milk is out of the question as we are too far from a good market. In making butter and selling it to regular customers, even at a high price, it did not bring in as much profit and required much more work. When one churns the cream must be properly cured or you lose some of your butter fat. We keep our cream in good condition in summer in a milk tank through which cold water flows. In summer we deliver cream two or three times a week. By selling cream we get our checks regularly and there is no collecting necessary. Edna Vawter.  
Oakley, Kan.

### State Fair Prizes For Holsteins.

H. L. Houghton, Brattleboro, Vt., secretary of the Holstein-Friesian association, writes Farmers Mail and Breeze that liberal premiums have been voted by the association for the big fall fairs and stock shows. Besides prizes for registered Holstein cattle, there are premiums for butter, milk, cream and cheese made from registered Holstein herds. The prize money for animals will cover each regular classification except champions and grand champions. To compete for the premiums, exhibitors must file the name and herdbook number of each animal with the secretary of the fair. Western fairs that will "get in on" this prize money are the Iowa State Fair, Kansas State Fair at Topeka, Nebraska State Fair, Missouri State Fair, and Oklahoma State Fair.

### Making Butter in Warm Weather.

[Prize Letter.]

Mr. Editor—I want to tell you how we made good butter last summer. It was so good that I had more calls for it than butter to supply them. As soon as the milk was drawn it was separated and the cream cooled. When cool this cream was added to that from previous milkings which we kept in a covered pail hanging in a well, a dug well fed by an underground spring. It was almost as cool down there as in a refrigerator. When the cream had ripened sufficiently, which was about twice a week, we churned in the morning, washed the butter in cold water, worked and salted it, then molded it in 1-pound prints. Then it was put back into the well and left there until we were ready to take it to market 8 miles away. Before we started for town, our butter was wrapped in cloths wet in cold water, then wrapped heavily with dry paper. This kept it cool and solid, during a drive of one and a half to two hours. Mrs. Will Kowing.  
R. 9, Winfield, Kan.

### Breeding Cows for Twin Calves.

In a recent Mail and Breeze you printed the picture of a Jersey cow with her two pairs of twin calves. Would it be possible by taking cows with the twin producing tendency, to establish in time a breed of cattle that would produce twins as a rule? It seems to me these good cows are trying to give us a hint of what they would do if they were assisted by the breeder. There is an idea prevalent that if one of the twins is a bull and the other a heifer, neither will breed. What do you know about this?—C. W. M., Washington county, Kansas.

A. S. Neale, dairy specialist at Manhattan, says that while it has been possible to increase the prolificacy of such farm animals as sheep and swine by selection, he knows of no effort of this kind with cattle. He writes: It is doubtful whether such a thing is desirable, especially with dairy cows. The high producing dairy cow that brings one healthy calf each year is more valuable, in the writer's judgment, than one which produces twins. A dairy cow is

# "DE LAVAL"

## means a cream separator with the "trouble" left out

That's the way a user who has had a lot of personal separator experience and the opportunity to observe a great deal of other people's experience aptly describes the meaning of the name "De Laval" on a separator—"a separator with the trouble left out."



To many buyers of a cream separator and other farm machinery there's more meaning in that simple statement of fact than in a hundred other claims and arguments that might easily be made for the De Laval.

And if anyone would know how and why the "trouble has been left out" of a De Laval machine a new De Laval catalog—the most complete and interesting story of the cream separator ever published—

to be had for the asking, will help to make it plain. See the local agent or address the nearest office as below.

**THE DE LAVAL SEPARATOR CO.**  
NEW YORK CHICAGO SAN FRANCISCO SEATTLE

## WE SELL THE BEST MILKING MACHINE

made. One man can milk 25 cows an hour. 20,000 cows are milked daily with the Hinman milker. Practical for the small dairyman as well as the large. Easily installed and at small expense. Write for information or see my outfit at work. Agents wanted.  
H. F. MEILLER, MINNEAPOLIS, KANSAS

## Save \$35 to \$50

Yes sir, I'll save you \$35 to \$50 in the first cost alone on the best, most modern, most sanitary and closest skimming cream separator ever built. When you buy the

### New Galloway Sanitary

—you pay just one small profit above actual cost of materials and labor. Why pay any dealer \$85 to \$110 for an inferior machine. Buy direct and save one-half. Get my Special 1913 Offer and 90 Days FREE TRIAL

test of this machine right on your farm. The new Galloway Sanitary skims to a trace, gears 120 in. oil—easy to run—easy to clean. Sold direct. Backed by \$25,000 bond. Write for new catalog and special 1913 offer that will help you get your machine partly or entirely without cost in the end. Write today.  
WM. GALLOWAY COMPANY  
43 Galloway Station, Waterloo, Ia.

## Special Proposition To Silo Buyers.

It will pay you to get full details of our offer before you buy any silo. Get our big portfolio showing how other farmers make big profits. Get our special factory prices on

**Champion Silos.**  
The kind that makes good. Has all modern improvements, continuous door front, special anchors, double ladders, etc.  
**WESTERN SILO CO.**  
155-9th St. Des Moines, Iowa. Get Our Big Catalog.

## The PERFECTION METAL SILO Chosen by Men of Experience

Seven years in use, Proved and Perfect. Makes best Silage—(Wisconsin Experiment Station Test). Permanently Proof against Cracking, Shrinking and Blowing Down.

**Five Year Guarantee**  
And Paid-Up Insurance Against Cyclones, Windstorms and Tornadoes.

Air Tight and Water Tight. Weather, Wind, Fire, Lightning and Vermin Proof. No Guys nor Cables; No Hoops to Tighten. No Worry, Care or Annoyance of any kind. **BIG NEW BOOK!** "Turning Cornstalks Into Cash", FREE. Written by Farmers. Full of Dollars and Cents Information. Send for it today. Address: **PERFECTION METAL SILO CO.** 205 Mulvane Bldg. Topeka, Kas.

a hard worked animal all the year round and the production of two calves would only increase the demands upon the cow's system. With the beef cow it might be different, as her chief work is producing a calf and giving sufficient milk for its maintenance for a few months. However, I am of the opinion little, if anything, would be gained.

Where twins are heifers, usually both will breed. Where both are bulls the same is true. Where one is female and the other a male the male usually, will breed, but the female generally is barren. This is so generally true that most of the breed associations refuse to register females of this sort until they have produced offspring.

### The Standard for Good Butter.

Mr. Editor—Nearly every one thinks he can judge a sample of butter. However, to judge butter for the commercial taste requires considerable experience. The standard used exclusively in this country for scoring butter follows:

Flavor	.....	.45 per cent
Body	.....	.25 per cent
Color	.....	.15 per cent
Salt	.....	.10 per cent
Style	.....	5 per cent

Flavor is valued at nearly half the total. A judge must have a keen and sensitive taste and must know the flavor that is demanded in the market. Some of the common faults in flavor are designated "flat," "fishy," "rancid," "weedy," old cream, acid and "stable." Flavor is due to the method of handling the cream.

Body refers to the grain of the butter. It should be firm and waxy. Criticisms of body are "greasy," "tallowy," "cloudy," "brisky," "salvy." Texture or grain is determined by the methods of manufacture. That is, by the churning, washing, working and salting.

The color should be bright and even. The most common fault in the color of butter is "mottled" or waxy butter. Most consumers can detect small differences of the salt content of butter. This is liable to be confused with flavor.

The amount of salt should be suited to the market and is not criticised by judges as much as its condition in the butter. It should be thoroughly dissolved and entirely distributed.

Style refers to the clean and neatly finished appearance of the butter and its package. G. A. Gilbert.  
Colorado Agricultural college.

### Lane County Fair Dates

Mr. Editor—Practically all our fair patrons read the Mail and Breeze, so the directors asked me to write you that the dates of the Lane County Fair have been set for Friday and Saturday, September 5-6.

S. Clair Lathen, Secretary.  
Lane, Kan.



# Leidigh's Answers TO FARM QUESTIONS.

Conducted for Farmers Mail and Breeze by A. H. Leidigh, Department of Farm Crops, Kansas Agricultural College.

### Chinch Bugs Do Not Attack Cowpeas.

May cowpeas be sown in corn for pasture after corn is laid by? What is the best thing to do to save the corn from chinch bugs? Can one get inoculated bugs?—A. H. L., McPherson county, Kansas.

We are sending you bulletins on cowpeas and chinch bugs. Cowpeas may be planted in the corn at the last cultivation, or may be planted alone. They are particularly valuable because chinch bugs do not injure them. The bulletin tells how to protect your corn from bugs. A. H. Leidigh.

### Two Ways of Fighting Bindweed.

"Bindweed" or more commonly known as "peavine" is the most troublesome weed in this community and almost impossible to kill. Do you think sheep could be profitably pastured on it? What would be the best crops to raise on land infested by these weeds? How would alfalfa do?—A. H. L., McPherson county, Kansas.

Sheep will eat bindweed. Alfalfa is one of the crops which, in a considerable degree, will aid in controlling the weed. To obtain a stand, proceed as you would under any other conditions when you desire to sow during the latter part of August. What you want is a very well settled, highly cultivated seedbed, moist below and in a high state of cultivation on the immediate surface. Such cultivation will keep the weeds in check and, probably, they will not grow so large that they will injure the alfalfa.

If the weeds can be kept from producing any seed for a few years and be kept closely cultivated or grazed, they will, undoubtedly, not spread much. A. H. Leidigh.

### Wheat After Green Manuring.

By planting cowpeas after wheat and sowing the land again to wheat, could I increase the yield?—C. H., Labette county, Kansas.

Following wheat with a catch crop of cowpeas, before plowing the cowpeas under for green manure, and again planting wheat, is not the best way to raise the biggest crop of wheat for any given year. It would be much better to plant some other crop instead of wheat on the land which has been green manured. Corn, oats or even potatoes are crops that might be used.

At this station we have obtained increased crops by plowing cowpeas under late in the fall and immediately planting wheat. We have, however, obtained much larger crops of wheat by deep, early summer plowing. Green manuring would be impossible in that case.

I do not recommend planting wheat right after a green manure crop is plowed in, late in the fall, simply because this is too late to prepare the ground for wheat and obtain the best results.

Where corn was planted, after cowpeas had been turned under, an average gain of 9 bushels to the acre was secured. A. H. Leidigh.

### Storing Water in the Subsoil

BY A. M. TENNEYCK, Iowa State College, Ames, Ia.

[Written for Farmers Mail and Breeze.]

I have read your article on the "dust mulch" in the Mail and Breeze, and am much impressed with it, although I do not understand as to the condition of the subsoil.

At Oakley, the other day, one of the John Deere men agreed that the top soil ought to be double disked 3 or 4 inches deep, then harrowed smooth. Afterward it should be plowed 8 inches deep with a subsoiler on the plow running about 8 inches deeper, thus loosening the soil to the depth of 16 inches, and harrowing as fast as it is plowed. He says the dust mulch conserves the moisture both from below and above, the subsoil absorbs moisture readily and the top surface should be just loose enough so that it will not run together after a dashing rain and bake or crust.

What would you advise, the loose subsoil or a hard subsoil? This man doesn't recommend the work of the station very highly. Do you know anything about the work they are doing at Moline, Ill.—N. A. R., Logan county, Kansas.

Disking before plowing is for the purpose of breaking the crust and pulverizing the soil so the furrow slice will make a better union with the subsoil when the furrow is turned over. Too much disking before plowing is not advisable, but one disking or a double disking is often an advantage in producing a better soil

texture, resulting in a better union of the furrow slice with the subsoil. Also disking before plowing is another advantage in a dry climate, as the mulch produced by the disk will tend to conserve the water which is already stored in the soil. The open mellow surface is left in good condition to receive rains. Disking also kills the weeds and starts the weeds so they may be killed by later cultivation or plowing. There is a special advantage in early disking in spring or fall, when the plowing must be several weeks later, as the early disking of the soil will keep it in plowing condition longer, provided the weather remains dry.

The use of the subsurface packer after plowing is to firm and pulverize the bottom of the furrow slice to make a better union between the soil and subsoil, which favors the movement of moisture by capillarity, but this movement is more likely to be upward than downward. After heavy rains water moves downward in the soil by percolation due to the force of gravity and this movement may actually be hindered if the surface soil is too finely pulverized.

I prefer always to have the surface soil open and mellow and not too finely pulverized during the early preparation of the seedbed, such a condition as may be left by plowing or by disking or by listing. In fact, I prefer listing the soil in deep furrows and high ridges as the best condition for receiving the rain and storing the water in the subsoil. The rain which is received on a listed field quickly reaches the bottom of the furrow and is absorbed quickly and directly into the subsoil, when by cultivation with a disk, or disk cultivator, the mellow soil may be thrown into the furrow, producing a mulch which conserves the water that has been stored in the soil beneath. This cultivation may be repeated after another rain or the ground may be opened again with the lister, the plan being to split the ridges at the second listing.

In preparing the land for wheat or other small grain it is necessary to disk and harrow the surface near seeding time, to pulverize and firm it and put the surface in better seedbed condition. But for planting corn or Kafir this pulverizing and firming of the surface need not occur, though the ground may be left loose and mellow and simply relisted at planting time, when the corn or Kafir is planted in listed furrows, the preferable method in the southern part of the Great Plains region.

It is sometimes advisable to loosen the subsoil deeply, as with the subsoiler or deep tilling plow, but the deep loosening should not occur too often, probably once in 4 or 5 years is often enough. The deep stirring of the soil with a deep tilling plow not only increases the water reservoir but makes the soil deeper and develops its fertility.

I have recently prepared a small booklet on wheat culture, which is being published by the Campbell Soil Culture company of Lincoln, Neb. You may secure a copy within a few months by writing R. A. Haste, manager. Before leaving Kansas I prepared a bulletin on wheat farming experiments at the Ft. Hays Experiment station. This bulletin is now in the hands of the director of the Kansas station at Manhattan, but has not yet been published. A letter to the director will bring you one of these bulletins as soon as it is published and

ready for distribution. In both of these publications I have discussed the effect of deep tilling and the character and purpose of the soil mulch, etc.

I have no information regarding the work which the John Deere Plow company is carrying on at Moline. I believe the agent is not well informed about the work at the Kansas station. I am referring this part of your letter to Prof. Jardine at that station.

### Big Wheat Yields in Oklahoma

Early plowing following disking makes big wheat yields in Oklahoma. Wherever it is possible, a disk harrow should follow the binder, round for round. There is plenty of moisture in the ground at this time and it should be kept there so that plowing can be done after harvest is off hand. Many western Oklahoma farmers have found that if they thoroughly disked the surface of the field at the time when it was becoming too dry for plowing, that the moisture rising from the subsoil would be stopped just beneath the disked surface, and in a few days plowing could be resumed, even though no rain had fallen.

After the disking is done, the plows should then be run as soon as possible. The plow should be run to the depth of 1 or 1 1/2 inches more than the land has been previously plowed. Do not turn up too much raw soil at one time, but increase the depth of plowing gradually from year to year. Each day's plowing should be gone over with the harrow before the team leaves the field at night. Unless the land is very loose, the entire field should be gone over by a weighted disk harrow with the disks set straight, after the plowing is done. This packs the plowed soil back to the subsoil.

The surface of the field should then be gone over once or twice with the section harrow before the planting is done.

The practice of listing wheat land and then leveling and planting has done more to decrease the yield of wheat in Oklahoma than the burning of straw and the lack of rotation. Even double listing is not so satisfactory as plowing, especially if the following spring happens to be dry.

These directions do not apply to the shifting, sandy lands, but on such lands some crop other than wheat should be grown. Marle Woodson, Superintendent Farmers Institute Department, Oklahoma.



## JOINTINE

Is a Positive Cure for Joint and Navel Disease in Foals

also for blood poison and leakage at the navel and blood poison in distemper.

"JOINTINE" is Guaranteed to Cure or Your Money Refunded

It may also be used as a preventive. Why permit your foals to die with Navel and joint disease when "JOINTINE" will prevent and save this great loss? Perfect satisfaction in the use of this medicine guaranteed. Descriptive pamphlet, testimonials and guarantee on application. Easily administered. Money-back guarantee. Price \$3 a box. T. B. BOWMAN, BOONE, NEBR.



## Hardin College and Conservatory For Young Women

Endowed, State Charter, Officially Standardized as a Junior College by Mo. State University. Courses in Art, Elocution, Music, Domestic Science and Business. German-American Conservatory—German Standards. Modern Equipment. For Catalogue address JOHN W. MILLION, A. M., President, 1232 College Place, Mexico, Mo.

## SCHOOLS AND COLLEGES

### ARKANSAS CITY BUSINESS COLLEGE

The college to send your boy or girl to obtain a commercial stenographic education. Write for 1913 college catalog. Tells about the college, price of tuition and surroundings. Address the manager, E. G. BETZ, Arkansas City, Kansas.

### Free Ticket

to Chillicothe, Mo., to visit JACKSON UNIVERSITY OF BUSINESS. Finest quarters; free night school; positions guaranteed; dancing hall and dancing teacher. Board \$2.50. Backed by World's Desire Bureau. For catalog and free ticket address Walter Jackson, Pres., Chillicothe, Mo.

## St. Joseph Veterinary College

College entirely re-organized. Recognized by the U. S. Dept. of Agriculture. Modern equipped laboratories. Three year graded course. Write for free catalog. Dr. F. W. Caldwell, Deans, 332 South Seventh Street, St. Joseph, Mo.

## CENTRAL Business College

13th and Oak, Kansas City's Largest Business School. New Scholarship Plan. Free Employment Bureau. Write for free catalog.

## BE A WINNER

Secure a real, Expert Business Training, from Thorough, Competent, Expert Business Teachers. Learn Stenography Bookkeeping, Penmanship, Auditing, Accounting, Banking, Farm Accounting, Merchandising and General Business. Living expenses reasonable. No solicitors. Big Illustrated Catalog Free. Send for it. D. L. MUSSELMAN, President. GEM CITY BUSINESS COLLEGE, Lock Box 144, QUINCY, ILLINOIS.

## EARN UP TO \$3000 PER YEAR

Be an expert Stenographer, Bookkeeper, Accountant, Auditor, Penman or Telegrapher. Learn Banking, Railroad, Merchandising, Civil Service or Advertising by our easy, practical method of Expert Business Training. Tuition low; positions guaranteed. Banks, Railroads and Business Men everywhere seek our graduates. Write today for Free Illustrated Catalog. Kansas Wesleyan Business College, Salina, Kansas

## LEARN THIS SECRET

I have a secret I want to tell to every young man and young woman who is contemplating going to a Business College this year, and I will give you the full details if you will write me. This information is not only worth dollars to you, but will assist you in the selection of a good school—and if you do go to school this year you want to go to a good one. Get this information now—before you decide on any school. A postal or letter will bring it to you, together with my Big Free Illustrated Catalog. You obligate yourself in no way. Write me today. C. W. RANSOM, Pres. RANSOMERIAN BUSINESS SCHOOL, 326 Minor Bldg. KANSAS CITY, MO.

We all look for the Mail and Breeze. We could not keep house without it. It is certainly a fine paper.—Mrs. Laura McAllister, R. 3, Holton, Kan.

# Galloway's Famous Pumping Engines

Get My Special Engine and Pump-Jack Combination Offer—NOW! Yes, sir, Do it today. Don't wait a minute. Just sit right down and drop me a postal and say, "Galloway, send me your special pumping engine offer." I am out after the pumping engine business and I am going to get it because I am making the best pumping engine outfit ever made and selling it at a price never before equalled. You can't imagine the number of uses you can put one of these little engines to until you see my Special Pumping Engine catalog. It's something new and different and I have a copy waiting for you, free. Just write me for it without fail today. Don't wait until your windmill blows down or the calm hot days get here when the windmill won't run and you have to toil and sweat pumping water by hand for a lot of live stock. No, sir, don't do it. Be prepared. Get my catalog and special offer. That's the first step. Then—

## I'll Save You \$25 to \$300

on the first cost alone. I'll save you \$25 to \$50 on the best pumping outfit made. On my larger engines I can save you as high as \$300 and more. Remember, we make engines in sizes from 1 3/4 h. p. up to 15 h. p. My 1 3/4 h. p., air cooled, little "Boss of the Farm" engine sells for only \$24.75—My 3 h. p. engine sells for only \$34.75. The same style of engine at your dealers costs from \$45 to \$85. Now, that's just a sample of what buying direct from Galloway means in \$25. Now, that's just a sample of what buying direct from Galloway means in money saved. Get my special pumping engine offer right away. Write today.

**FREE Service Department.** When it comes to help or information for proper installing to get the most profit out of your engine, just call on my Service Department composed of engine experts. Think of it. I not only save you money right at the start but put at your disposal a corps of experts who will tell you how to install your engine, size pulleys to use with different machines, anything, in fact, you may want to know, and this service don't cost you one cent. It's just another advantage you get when you buy of Galloway.

Write Today for My Catalog and Special 1913 Business Proposition

Here's a final clincher. My 1913 Special Business Proposition. I've got a new plan which will help you get your engine partly or entirely without cost to you in the end. No canvassing, no soliciting, no agent's proposition, for we don't sell through agents—but just a straight business offer. Will give full details when you write me. Send for special pumping catalog—offer—and my new red rock engine prices. Don't lay this paper down and forget it. Write me now. Address me as below:

Wm. Galloway, Pres., WILLIAM GALLOWAY CO. 45K Galloway Station Waterloo, Iowa

**30 Days Free Trial**

**Pump Jack, \$3.95 and Up**

Sold Direct From Factory to Farm

Backed by \$25,000 Bond





# Poultry Keeping

CONDUCTED FOR FARMERS MAIL AND BREEZE BY REESE V. HICKS, PREST. AMERICAN POULTRY ASSOCIATION.

We want you to talk chicken with us. Good short letters on poultry matters especially welcome. A year's subscription to Farmers Mail and Breeze is awarded each week for the most helpful bit of poultry experience, and for second and third best contributions subscriptions to other useful publications.

Ducks thrive best on sandy soil.

Letting the birds get at tainted food is dangerous business this time of year.

Boards, posts or rubbish piled up near the poultry quarters, afford too good a harbor for rats.

Young turkeys will do better if left to hustle for themselves after they are 3 or 4 weeks old.

A general movement to get the fancy breeder and utility breeder closer together would be a big thing for the poultry industry.

It is an easy matter to hold fries or broilers a little too long and thus feed away part of the profits in addition to finding a lower market.

I use hot wash water in the hen house on wash days, throwing it about on the inside, and my hens are not troubled with mites.—S. A. P., Kensington, Kan.

Our chick pens are built around bushes and trees, and in the corner of each pen is a coop for shelter. Next to proper feed, chicks need plenty of shade now.—M. A. P., Larned, Kan.

There is now no excuse for keeping a rooster on the place unless he is wanted for breeding, next year. The flock is now better off without roosters and the expense of keeping them.

### Made a Poultryman of Him.

Mr. Editor—I am an enthusiastic admirer of the Mail and Breeze. Last spring I happened to pick up a copy or two at the place where I roomed and it soon got me interested in poultry to the extent that I concluded to try my luck with an incubator. My first hatch was a month old yesterday (June 1) and they are as large as quails. I have lost only three out of the hatch. Some

### Dressmaking Lessons Free

Complete Illustrated Course of Lessons Given to Women Readers of This Paper for a Short Time Only.

We have just published in one large volume one of the most valuable and most comprehensive courses of instruction in home dressmaking ever written. This course of lessons covers practically every phase of the subject of dressmaking. It tells you how to make most every garment, from the simplest house apron to the most elaborate evening gown.

This valuable book, "Every Woman Her Own Dressmaker," will be found of great assistance to beginners as well as experienced dressmakers. You can turn to this book and find a satisfactory answer to practically every dressmaking question which might come up. It illustrates and fully describes 200 very latest styles for ladies and children. It gives valuable instructions on fitting and finishing—instruction needed by every woman. Here are some of the interesting subjects taught in these lessons:

- How to sponge and shrink wool goods.
- How to shrink wash materials.
- How to make a tailored coat at home.
- How to make a plain shirt waist by the newest and easiest method.
- How to make a boned lining.
- How to make stylish suits, skirts, waists, dresses and dressing saques.
- How to make wrappers, kimonos and underclothes.
- How to make children's coats and school clothes.
- How to make baby clothes, long and short.

We are giving these valuable dressmaking books away absolutely free just to introduce our popular publication. Send us your name and address at once, together with 4 cents in stamps to cover mailing expense, and secure one of these valuable books before the offer is withdrawn. Address ARTHUR CAPPER COMPANY, Dept. DM-11, Topeka, Kansas.

weeks ago I happened to see a cut on the poultry page showing a brooder made out of a goods box, with a stove-pipe through it to furnish heat. I made one and it worked finely for me. It was so good that my neighbors borrowed it whenever I was not using it. I think you have a splendid, all around paper for the farmer or anyone else. Delaware, Okla. U. S. Hayner.

### A Cool Drink When They Want It. [Prize Letter.]

Mr. Editor—During the hot weather the flock needs a fresh drink often. My way of providing a constant supply of cool water with little work, is to set a 5 or 10-gallon wooden keg on a box or chair, under a shade tree. A small opening in the keg lets the water out drop by drop into a shallow pan beneath. How the chicks do patronize that pan. This provides cool, fresh water all day long, as water closed in a wooden vessel will always stay cool longer. The pan needs scalding frequently and the keg needs an occasional scalding. Richard Henzel. Bern, Kan.

### Rearing a Brood of Goslings. [Prize Letter.]

Mr. Editor—Usually our geese begin to lay about March 1. We gather the eggs and turn them every day until time to set them, when they are given to hens, 6 or 7 eggs to the hen. The bad eggs are tested out the 14th day. The eggs are sprinkled several times daily with lukewarm water until ready to hatch, as the shells are tough and hard for the goslings to break. It takes 28 days for goose eggs to hatch.

I remove the goslings from the nest as soon as they are dry, keeping them in a warm place until all hatch. When 2 or 3 days old I make a pen on tender grass, letting one hen look after the entire brood. The pen should be moved frequently. Besides the grass they get feed them bread crumbled, but not too fine. At 6 weeks old they should be fine, big fellows. Then we feed them soaked oats and almost any other grain. When small it is a good plan to take away all but two of the goslings at night and keep them elsewhere as they are easily killed while so young. They should have plenty of water to drink but none to swim in until feathered. Windom, Kan. Mrs. W. W.

### English Pen Still Ahead

The pen of English White Leghorns in the national egg-laying contest at Mountain Grove, Mo., has not yet been headed. They are gaining on the American birds all the time. However, a Buff Wyandotte from Vermont now leads in individual records, having laid 167 eggs during the six and a half months of the contest, to May 1. Another Buff Wyandotte hen has laid 62 eggs in 62 consecutive days. Following is the list of pens which have laid more than 1,000 eggs from November 15, 1912, to June 1, 1913:

Breed	State or Country	Eggs Laid
S. C. White Leghorns	England	1338
Silver Wyandottes	Iowa	1108
Silver Wyandottes	Illinois	1105
Black Langshans	Missouri	1095
White Wyandottes	Arkansas	1044
Black Langshans	Missouri	1043
Barred Plymouth Rocks	Illinois	1041
Buff Wyandottes	Vermont	1038
White Orpingtons	Kentucky	1018
S. C. Brown Leghorns	Missouri	1013
Buff Wyandottes	Missouri	1007

The best pen records during May, follow:

Breed	State or Country	Eggs Laid
S. C. Brown Leghorns	Missouri	239
Barred Plymouth Rocks	Iowa	239
Black Minorcas	Iowa	235
Black Minorcas	New York	235
Buff Wyandottes	Missouri	225
S. C. White Leghorns	California	225
R. C. White Leghorns	Missouri	222
S. C. White Leghorns	England	221
White Plymouth Rocks	Missouri	221
Rose Comb Reds	Missouri	220

Already arrangements are being made for the third annual contest at Mountain Grove. This will start December 1, 1913. Entries now are being received.

### Now the Time to Sell Old Stock

Mr. Editor—One hundred days from June 1, your readers' hens will have completed their season's work. In a few weeks the eggs from the flock will not pay the feed bill, and for the remainder of the season the flock will be a dead loss. Prices now are higher than they will

be 100 days from now when plenty of young stuff will come on the market; does it not seem the part of wisdom to sell the hens as they get through business? It is not likely that the hens older than 1 year will come back to the lay, but do you know the old ones? Or do you know the young ones that are worth keeping through several months of idleness?

Another advantage of culling now is the added house room the young stock will have, and house room on the farm is always scarce. No business can support loafers, and everything on the place not laying eggs (this includes roosters) or not putting on flesh, the young, growing stock, should go to market, week by week. W. E. Vaplon. Colorado Agricultural college.

### No More Candling Schools

Because the last legislature did not appropriate any money for the purpose, no egg candling schools will be held in Kansas this year. These schools were of great benefit in the effort being made to build up a reputation and demand for Kansas eggs in the markets of the big cities. They taught shippers and producers how to tell readily a good marketable egg from a poor one or a bad one. Special short courses in candling will be offered this summer at Kansas Agricultural college. To take the course requires only a few days' time.

### Spraying Checks Garden Flea

Can you suggest an insecticide or other method that will stop the ravages of what is known here as the garden flea? It has attacked turnips, mustard, radishes, cabbage and cauliflower only, to this time, and it stops only when the plants are destroyed. I have sprayed with London purple, Paris green, and have dusted the plants with sulphur, and cayenne pepper, without visibly checking the pest.—J. F. N., Guymon, Okla.

From the description the insect is one of the garden flea beetles. Usually where cabbage and cauliflower are sprayed for the cabbage worm with Paris green or lead arsenate, there is little more trouble with flea beetles. If these plants have not been sprayed for cabbage worms, spray them with arsenate of lead, 3 to 5 pounds in 50 gallons of water; or Paris green from 1/2 to 1/3 pound in 50 gallons of water. When this spray is to be applied to cabbages or cauliflower, a resin soap or sticker should be added. This causes the arsenical to stick better and gives the foliage a coating, which probably acts as a repellent fully as much as a remedy.

The resin soap is made by placing 5 pounds of pulverized resin and 1 pint of fish oil, or any cheap animal oil except tallow, in an iron kettle with 1 gallon of water and heating it until the resin is softened. Add a lye solution, such as is used for hard soap, and stir thoroughly. Add enough water to make 5 gallons and boil about 2 hours, or until the mixture will unite with cold water, making a clear, amber-colored liquid. If the mixture boils away too much, add sufficient water to make 5 gallons. This makes a stock solution of liquid resin soap.

For use, add 3 gallons to 50 gallons of water and add 3 gallons of milk or lime or whitewash (3 pounds of stone lime in 3 gallons of water) and 1/2-pound of Paris green. The addition of the lime turns the small soap particles into hard soap, to which the Paris green adheres and is thus distributed through the mixture in uniform quantities and rendered exceedingly adhesive.

If lead arsenate is used, simply add the 3 pounds of lead arsenate instead of 1-3 pound of Paris green.

Another remedy is thoroughly dusting the plants with lime, land plaster, strong tobacco dust, or any of the dusts commonly used for such insects, early in the morning while the dew is on the plants. So long as they are kept thoroughly covered they are protected from attack.

As in the larval stages these beetles feed upon weeds, it is important that weeds growing adjacent to the truck patch should be destroyed.

George A. Dean. Entomologist Kansas-station.

### FILMS DEVELOPED 10c.

Any size 6 or 12 exposure. Printing prices low. Send for sample print, price list and special coupons. Best Photo Company, Topeka, Kan.—Advertisement.

## Reliable Poultry Breeders

FARMERS MAIL AND BREEZE POULTRY RATE.

The rate for advertising under the "Reliable Poultry Breeders" column is 5c per word each time for 1, 2 or 3 insertions and 4 1/2c per word each time for four or more insertions.

### RHODE ISLAND REDS.

40 ROSE AND SINGLE COMBED Rhode I. Red hens priced for quick sale; must go by July 1st to make room for young stock. F. B. Severance, Lost Springs, Kan.

ROSE COMB RED eggs from pens mated to roosters costing from \$10.00 to \$30.00. Eggs at sacrifice prices after May 25. 15 eggs \$1.00, 30 eggs \$1.75, and 50 eggs \$2.50. Also a few extra good roosters at \$2.50 and \$5.00 each and good hens at \$1.00 each. W. R. Huston, Americus, Kan.

### ORPINGTONS.

BUFF ORPINGTONS. Eggs half price from fancy and utility. Express paid. Cockerels for sale. Mating list free. August Petersen, Churdan, Ia.

BARGAIN SALE of Orpingtons. S. C. Buff, White and Black. 100 breeders and 500 Feb., Mar., Apr. and May hatch chicks from 25 cts. to \$2.00 each. Cook, Owen, Kellerstrass, Haggin strains. Write your wants. Mrs. Daniel Onstott, Moores Hill, Ind.

### DUCKS.

30 ENGLISH RUNNER duck eggs \$2. Paul Grill, Ellsworth, Kan.

INDIAN RUNNER ducks. Topeka fair winners. Satisfaction guaranteed. Burt White, Burlingame, Kan.

FAWN AND WHITE and brown and white prize winners. Indian Runner duck eggs 15 for \$1.00, 100 for \$5.00. E. O. McKinney, Lafontaine, Kan.

### PLYMOUTH ROCKS.

BIG TYPE BARRED ROCKS. Half price now. Duff, Larned, Kan.

FOR SALE. Pen Buff Rock hens, also cockerels. Mrs. M. E. Stevens, Humboldt, Kan.

BARRED ROCKS. 68 premiums, Topeka, Manhattan, Clay Center, Denver. Eggs 15, \$1.25; 50, \$4.00; 100, \$6.00. Stock sale. Mrs. D. M. Gillespie, Clay Center, Kan.

### WYANDOTTES.

BUFF WYANDOTTES. Prices cut for balance of season. Eggs from all our breeding pens at \$1.50 per 15, \$5.00 per 100. Baby chicks \$1.50 per dozen. Send for mating list. Wheeler and Wylie, Manhattan, Kan.

### LANGSHANS.

BIG BONED greenish glossy Black Langshan, score 92 to 96 hens \$1 each. Cockerels \$2.50. Eggs 10 cents each. Guaranteed. H. Osterfoss, Hedrick, Iowa.

### LEGHORNS.

EGGS FROM PURE BRED S. C. White Leghorns. \$3.00 per hundred. Extra fine stock. Harry Givens, Madison, Kan.

### SEVERAL VARIETIES.

43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guinea, Incubators, Dogs. Catalogue 4 cents. Missouri Squab Co., Kirkswood, Mo.

ROSE COMB RHODE ISLAND RED eggs. Pen A \$1.50 per 15; Pen B, \$1.00 per 15. Barred P. Rocks, range stock, 75c per 15; \$4.00 per 100. Light fawn and white Indian Runner ducks \$1.00 per 12. C. J. Wood, Chiles, Miami, Kansas.

**Poultry Magazine** Big 40 to 80 page illustrated monthly magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 800 Jackson, Topeka, Kan.

**LICE KILLER** Liceit, strongest lice killing compound made. Works like magic. Simply put a few drops in nests and hang bottle in coop. Powerful evaporating vapor goes into feathers, cracks and crevices. No painting, spraying or dusting. Easy to use. Circular free. Pound bottle prepaid 50c. Money back if it fails. Agents wanted. W. H. Metzger Co., No. 8, Quincy, Ill.

**LEARN THE BIG MONEY TRICKS OF THE POULTRY TRADE!**  
Big Illustrated Book of Success Secrets FREE  
The well-known poultry authority, Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of everyone interested in raising poultry. This book, "Tricks of the Poultry Trade," tells three methods of selecting the laying hen: A sure and certain method of selecting eggs for hatching; How to raise 500 chickens on a lot 30 by 40 feet; How to build a natural hen incubator; How to build feed hoppers and fireless brooders; How to make feed at 10 cents a bushel; How to make winter egg ration, poultry feeds and tonics, egg preserver, louse killers, etc. All these and many more subjects are fully covered in this great book which we're giving away FREE on this plan: OUR OFFER: We will give you one year's subscription to our big weekly farm Magazine, Farmers Mail and Breeze, one year's subscription to Poultry Culture, the best Poultry Journal in the West, and one copy of this great book of poultry secrets—all for only \$1.25. State whether you are an old or new subscriber. Address at once, Mail and Breeze, Dept. PC-10, Topeka, Kansas.

**Cows Will Need Summer Feed**

(Continued from Page 7.)

cultivations of corn will not interfere seriously with the growth of forage and no similar area on the farm will yield a greater income.

The usefulness of a dairy cow during the fall and winter depends largely on her care during the trying months of the late summer. If she is allowed to get out of condition it will be hard to get her back to milking condition later. The feed necessary to do this, if fed as needed, will maintain a flow of milk throughout the season.

**Don't Neglect the Dry Cow.**

Summer feeding is just as necessary for the cow coming fresh in the fall as the one freshening in the spring. While she may be dry now, her work at the pail during the next year will depend on how well she is fed before freshening. Experience shows it pays better to feed the cow well then than at any other time in the year. A good year's work is impossible unless the cow has a reserve of energy to begin it with. This reserve must be obtained by good feed and care while she is dry. Have some food supply to supplement the dry pastures for the entire herd. Silage and green forage crops are the cheapest sources.

Grow everything possible in the feed line that you can, but do not be afraid to buy enough grain to round out the home-grown ration where necessary. Where alfalfa, clover or cowpeas are produced and fed liberally in the dry pastures, little else is needed. Where the supplementary crop is corn, cane or Kafir, it will pay to add a ration of grain. Bran, together with linseed or cottonseed meal may be fed at a profit. For the dry cow there is nothing better than the two months before freshening than a liberal amount of bran or ground oats, 4 parts, corn chop 2 parts and linseed meal 1 part. Manhattan, Kan.

**Some Farmer Elevators Unfair**

Mr. Editor—I find many so-called farmers' elevators are not conducted on truly co-operative principles. A few farmers own all the stock, make from 20 to 70 per cent profit, and no stock is for sale. In one such company 20 rich farmers own all the stock and one year made 95 per cent on their investment. Their renters and other poor farmers made this money and the rich farmers took it.

Last year in one Equity exchange five rich farmers stood good for thousands of dollars, for the rest, bought an elevator, furnished capital and made the business a success by the combined patronage of 150 loyal members. They stood for all the rest, and all the rest stood for them. One of these farmers, who could only own \$100 of the stock, and who could only get \$5 for his investment, will receive more than \$100 for his patronage.

I am glad to find many farmers' companies are re-organizing, and getting more on the co-operative plan and would like to have every farmer send 10 2-cent stamps for the Equity textbook and our plan of Golden Rule co-operation. Our exchanges never declare a dividend of more than 5 per cent on the stock subscribed. We prorate all profits to stockholders according to patronage. Every farmer in each community can come in. We put the shares at \$25 each, and allow no one to draw out anything until he has four shares. This gives us plenty of capital and lets in the poorest renter.

We are working hard for 100 Equity exchanges around and near Hutchinson, Kan. We have in view national co-operation in buying flour, feed, coal and farm machinery. The price of farm machinery will be reduced 50 per cent by the Equity union plan.

If there is an opening at your town for a farmers' elevator let me know and I will give you a date and explain fully our plan of co-operation. We will work hard for 100 stockholders at every good town.

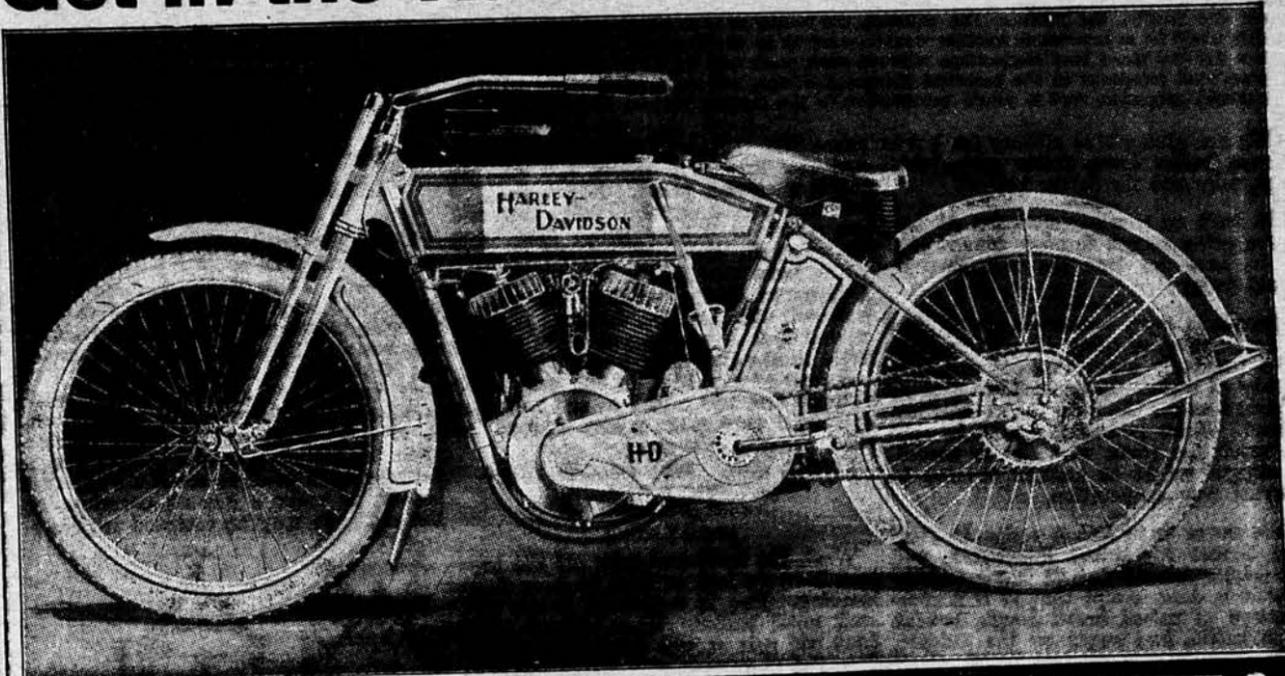
Greenville, Ill. C. O. Drayton.

If you need anything not advertised in this issue of Farmers Mail and Breeze, write us and we'll tell you where you can get it.

I could not get along without the Mail and Breeze.—T. M. Harman, Box 270, Holly, Colo.

# Come On Boys!

## Get in the Race NOW and WIN!



# \$285 Harley-Davidson Twin Cylinder MOTORCYCLE FREE!

### Four Other Grand Prizes Given Away In KANSAS WEEKLY CAPITAL'S GRAND PRIZE CONTEST!

If you live in the state of Kansas you are eligible for entry in this Grand Prize Contest.

If you are willing to devote your spare time or all of your time to a special line of very interesting and very profitable work during the next few weeks you will stand a very good chance of winning one of the five very valuable and very desirable prizes which are to be divided among the five leaders in this big state-wide contest.

Our object in conducting this contest and awarding these very expensive prizes is to increase the Kansas circulation of our great farm and homene newspaper, the **Kansas Weekly Capital**.

We want you to solicit subscriptions among your neighbors and friends—at the regular rate of 25 cents for one-year, 50 cents for three-year or \$1.00 for six-year subscriptions.

Every one-year subscription at 25 cents will count 25 points, and every 3-year subscription at 50 cents will count 75 points, and every six-year subscription at \$1.00 will count 150 points in the contest. The

contest starts immediately, closes Sat., Aug. 16, 1913.

The five contestants having to their credit the highest number of points as a result of their work in this contest will be awarded the **Five Grand Prizes** as follows:

- First Prize, \$285 8-horsepower Harley-Davidson Motorcycle.
- Second Prize, \$50 Gold Watch, Full-Jeweled, for lady or gentleman.
- Third Prize, \$40 Pierce Bicycle.
- Fourth Prize, \$30 Talking Machine With Complete Outfit of Records, etc.
- Fifth Prize, \$25 "Kodak" Camera.

This is the most valuable and most desirable lot of prizes ever offered in any similar contest and every prize will represent in value probably many times the amount of money sent in by the winning contestant. It doesn't matter how small an amount of subscription money you send in, if you are one of the five successful contestants you will be awarded one of the prizes.

### 1000 FREE POINTS For You! Big CASH COMMISSION, Too!

If you will clip the coupon below, fill in your name and address and mail to us at once we will enter your name as a contestant and give you 1000 Free Points in the race for this handsome, big 8-horsepower Motorcycle.

Just as soon as we receive your coupon we will issue certificate in your name, send you a big circular containing illustrations and descriptions of all the five Grand Prizes, a supply of subscription blanks, return envelopes, sample copies of the paper and full instructions how to proceed with the work.

In addition to giving you an equal chance with all other contestants of winning one of the five Grand Prizes, we will pay you a cash commission of 40 per cent—on all subscription money you collect!

You will find the work easy and interesting. If you are any kind of a hustler you ought to earn commissions amounting to \$15 to \$30 each week—and no experience is required to succeed in this work. You will be surprised how little effort may win a Grand Prize for you.

### EASY To Win If You TRY!!

We supply everything you need to make your work a success—everything but the effort and determination which you must supply. We help you and co-operate with you in every way. We furnish additional supplies as fast as needed. We publish the standing of all contestants each month and you will know just where you stand all the time.

This is a chance for a big cash profit and a big value Grand Prize that you can't afford to miss!

Sign the coupon and send in today! Address, **CONTEST MANAGER Kansas Weekly Capital 403 CAPPER BUILDING TOPEKA, KANSAS**



### Entry Coupon—Good for 1000 Free Points

Contest Manager, KANSAS WEEKLY CAPITAL, 403 Capper Bldg., Topeka, Kan.

Dear Sir—Send me full information regarding your great subscription contest, give me 1000 free points as per your offer, and enter my name as a contestant.

Name .....

Address .....

## The WOMEN

Conducted by



## FOLKS

Mabel E. Graves

We want this department to be of practical use to the women who read *Farmers Mail and Breeze*. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the children, the house; or if you have anything to say which would be of interest to another woman, send it to the Home Department editor. Prizes for the three best suggestions received each week will be, respectively, a set of triple-plated teaspoons in the beautiful Narcissus design, a year's subscription to the *Household* magazine, and a year's subscription to the *Poultry Culture* magazine.

We are giving blue ribbons for better horses, better cows, better corn, better pigs, why not for better babies?

It isn't so much a question of how we're going to get through tomorrow as it is, have we done the best that we could today?

People in town sometimes run a piece of iron tubing or tiling down at the side of a tree to be sure the roots will have plenty of water. Why wouldn't that be a good idea for the farm in the drier sections? Water poured in would be sure to reach the roots where it is needed. A stopper might be kept in the top to prevent any evaporation.

We never have had a recipe in *Mail and Breeze* for raised doughnuts, and the editor herself doesn't know exactly how it is done except that it is a combination of raised bread dough, hot fat in a kettle, and sugar on the outside. Will someone tell us just how? They are delicious, and much more digestible than the other kind.

Farm women who like to earn some money of their own have the advantage of their sisters in town these summer days. Every farm woman knows all about butter and chickens and eggs, but why not try canned fruit, preserves, jellies and pickles? Many a woman has made a big success putting up fruit for winter sale when it could scarcely be given away at picking time.

## Try a Brush on New Potatoes.

To clean new potatoes take a small brush with stiff bristles, hold the potato in one hand and rub the potato briskly with the brush, turning the potato until the entire surface has been gone over. When the tender peeling has been removed, any specks left can be removed with a knife.

Mrs. George L. Boswell.  
Mooreland, Okla.

## Wind Cleans the Mulberries.

Spread a cloth down on the ground in the wind and set a large pan in the center. Have the berries in a pail and hold high above the pan and pour berries from pail to pan. The wind will blow the leaves, sticks, insects, etc., all out, and what mulberries blow onto the cloth can be easily gathered up and cleaned in the same way. Repeat two or three times until clean.

Mrs. George L. Boswell, Jr.  
Mooreland, Okla.

## New Idea in Fireless Cookers.

An inexpensive fireless cooker may be made from an old water separator, one with an inner can for the milk. The space between the cans is filled with hay, firmly packed. The cooking utensils are placed in the inner can on a 2-inch layer of hay. The space between the vessels and the lid of the inner can is filled with a cotton pillow. A heavy pillow covers the top of both cans. My cooker holds four 1-gallon sirup pails. Those who wished might have the cooking vessels made by the tinner.

Subscriber.

## Variety in Cooking Eggs.

[Prize Letter.]

By varying the method of cooking them, eggs can be made an acceptable dish for every morning. Here is a delightful way of serving them: Arrange 6 slices of cream toast on a hot platter. Beat 6 eggs slightly with  $\frac{1}{2}$  cup milk, and season to taste with salt and pepper. Cook in 2 tablespoons of butter until of a creamy consistency, stirring all the time. Pour eggs over toast and sprinkle with grated cheese. Put in the oven to melt the cheese and serve immediately.

A good baked omelet is made by putting a tablespoonful of butter in a

sauce pan. Stir in 1 tablespoon of flour and stir into it a cup of hot milk to make a smooth paste. Add a dash of salt and pepper. Cool slightly, then add the yolks of 6 eggs which have been beaten well, then the whites of eggs, which have been beaten to a froth, and 1 teaspoon baking powder. Bake in a buttered dish for 15 minutes. If your baking dish is pretty, put them on the table in the dish they were baked in.

Scraps of any kind of left-over meat chopped fine and added to an omelet or scrambled eggs make a nice change, besides using up the meat.

Gentry, Ark. Mrs. John R. Angle.

## Canned Beet Pickles.

[Prize Letter.]

Wash the beets and trim off the tops to within an inch of beet to keep from bleeding. Put in a granite kettle and cook until tender. When about half done add salt enough to season. When done put at once in cold water and peel. Slice  $\frac{1}{2}$ -inch thick, or if the beets are small leave whole. Put vinegar on the stove in a granite pan. If very strong use half water with it. Use half as much sugar as vinegar, and black pepper and cloves to taste. When boiling put in beets. When heated through pack in glass jars, cover with plenty of the vinegar, and seal. Put in a cool place, and they will keep for years.

Mrs. Jesse L. Nott.

R. 3, Alta Vista, Kan.

## Save on Your Cheese Bill.

[Answer to Query.]

To make a cheese of about 3 pounds, take 5 gallons of sweet milk, cream and all, and heat in a pan until milk warm. Dissolve 4 rennet tablets in  $\frac{1}{2}$  cup of cold water and stir into the milk. Then add a tablespoonful of salt, stir well and remove from the fire. Let set until clabbered, stir and let stand 5 minutes again. Then remove from the pan to a cloth or colander to drain. Break in pieces every 10 minutes, and it will be well drained in half an hour. Break the curd in pieces, put in a pan and pour hot, not boiling water over it. Let stand 5 minutes, then break in pieces, salt as for butter and it is ready for the press.

To make a press take the top and bottom from a gallon bucket, and cut a round piece of board to fit in each end. Grease a cloth with lard and line the bucket with it; pour in the curd, fold the cloth over the top, put on the wooden end pieces and set in a slanting place with a 15-pound weight over it to drain. Let set 24 hours, then remove from the press, take off cloth and grease well. Grease and turn every day, and it will be ready for use in five weeks. It should be kept in a fly-tight screen box. Wrap in a cloth wet with vinegar to prevent cracking.

Ruth Gibson.

R. 1, Halls Summit, Kan.

## Four Ways of Using Blackberries.

[Prize Letter.]

**Blackberry Preserves**—Take equal quantities of blackberries and sugar, not more than 4 quarts at a time. Put in a preserving kettle, add 1 quart water and bring slowly to the boiling point. Skim as often as needed, boil 10 minutes and seal in pint jars.

**Apple-Blackberry Sauce**—To each quart of blackberries add 1 pint of tart apples. Cook until tender, add 1 cup sugar to each quart of fruit and let boil 5 minutes longer.

**Blackberry Puree**—Rub the fruit through a sieve and to each quart of strained fruit add 1 pint of sugar. Pack in sterilized jars, put covers on loosely and place jars on a rack in the boiler. Pour in enough cool water to come half way up on jars, bring to the boiling point and boil 30 minutes. Have a boiling sirup ready, and as each jar

is taken from the boiler fill with the hot sirup and seal.

**Blackberry Shortcake**—Make your usual shortcake. For the filling stew 1 quart fresh blackberries. When done mix  $\frac{1}{2}$  cup sugar and 1 heaping teaspoonful of flour to a paste in cold water and add while the fruit is boiling. Spread over the cake, then put fresh berries on top of each layer and sprinkle with sugar. Serve with cream and sugar.

Plums also make a delicious shortcake. Mash up ripe plums, sprinkle thick with sugar and let stand 1 hour before spreading on layers.

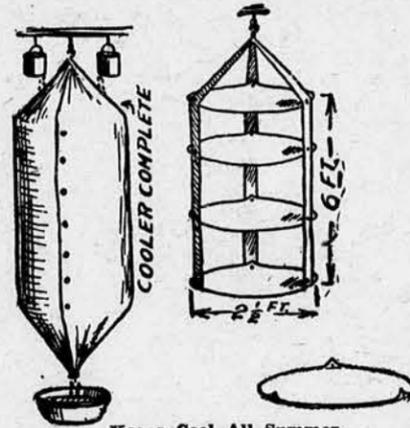
Mrs. W. A. Wiley.

Long Island, Kan.

## A Refrigerator Without Ice.

[Prize Letter.]

I consider my cooler the handiest and most practical thing of the kind I have ever seen. It is made of three 2-inch strips of heavy sheet iron 6 feet long for side pieces and five round pieces of the same material  $2\frac{1}{2}$  feet in diameter for shelves. It is put together with tiny bolts. All this is covered with bleached domestic or coarse white linen. A straight strip of the linen reaches from the top shelf to the bottom and a funnel-shaped piece is sewed on top and bottom to make a smooth covering for the ends. It may be fastened with but-



Keeps Cool All Summer.

tons or with hooks and eyes. Over the cooler are hung two covered cans with a tiny faucet or hole in one side. Each can holds a gallon of water. The water drips down over the cooler sheet and the evaporation keeps it perfectly cool all day. Food of all kinds, cooked or raw fruit, milk, butter, everything, in fact may be kept cool and delicious during the hot summer days. To the woman who can't afford a refrigerator it means a saving of time, trouble and money. The cost is about \$2.50. It may be hung under a tree, in the yard or in a hallway. If in the house a pan should be set under it to catch any surplus water there may be.

Maverick, Tex. Mrs. S. J. Pierson.

## Here's An Independent Woman.

I am truly glad that from a child I have had a chance and desire to use carpenter tools. I can make almost anything I need about the place. I have made tables, shelves, book cases, and many other things in the house besides chicken coops, hens' nests, gates and troughs, and I can put boards on a roof as well as a man. I do enjoy driving nails. When I need anything I simply get my tools together, hunt up suitable lumber and make what I want be it a nest box or a door shutter. I can't turn out so nice a job, but I can make articles that are strong and look well enough.

When I first married I lived for several years near an old schoolmate who was also newly married. This lady kept house for years without even a shelf for her water bucket. She kept her bucket on her dining table, and when a meal was ready the bucket was set on the floor until the meal was eaten. She kept her large collection of quilts stacked on a chair or on one of her beds, where they had to be moved many times. Thirty minutes with some lumber and tools and a little knowledge of how to use them would have saved this woman many steps; but neither she nor her husband were so inclined.

Not half of my neighbors can build a chicken coop that looks like a fit place to feed "hiddy" in; but they can hoe cotton, cut sprouts, and carry water long distances. And when they want some little convenience about the house in the way of a shelf, cook table

or a window sawed out in the kitchen they must wait for the man to get ready to do the work, which with many men folks means getting along without these things. If I had not learned early in life to make what I needed I think I should have mastered the situation when necessity demanded; but I see many who give up and depend on others for what they might easily do themselves.

Lowrey, Okla. Mrs. Lillie York.

## Planning a Convenient Home

BY ILENA BAILEY,

Department of Home Management  
University of Missouri

In no other occupation is the wife her husband's business partner so much as on the farm. This being so, while he informs himself on the best methods of farming she must learn how to improve conditions in the home and establish higher ideals in her community; then together they will manage the farm even better than before.

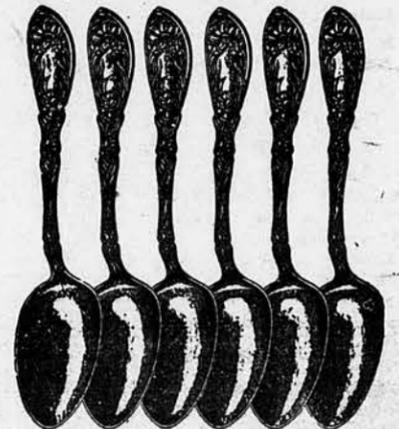
I was asked, not long ago, to help re-plan the house on one of our Missouri farms. The house had been built only a few years before to meet the needs of a family of eight, and was thought at that time to be as nearly ideal as finances would permit. Fortunately, the upstairs had not been finished so we had a chance to make some changes without much difficulty. The house was so built that in each of the five bedrooms it was possible to put in another window, so cross ventilation and more light could be secured and the rooms made much pleasanter. Closets for each bedroom were arranged for, also a bathroom. By moving the kitchen sink all plumbing could easily be made into one system.

The kitchen was very dark because of a very dark green paint on the walls. Changing this to a white with a stencil border in light blue will make a great difference in the amount of light in the room. The dining room joined the kitchen at one corner, while just in front of the kitchen was a bedroom. The closet and bedroom are to be made into a dining room and the former dining room will become a sitting room. This will save many steps in placing and removing dishes and food from the dining table. Convenient cupboards can easily be built in the kitchen.

By cutting an outside door into the reception room of the house and building a small porch over it the entrance can easily be changed to the side nearest to the drive instead of on the opposite side, where it is at present. With these changes one farmer's wife will be saved unnecessary steps now taken, and time will be found for much needed rest.

## SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated Narcissus Spoons made by the famous Oxford Silver Plate Company. Each spoon is extra heavy, full



standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of these handsome spoons absolutely free, postage paid, to all who send just \$1.00 to pay for a year's subscription to my big farm weekly, *The Farmers Mail and Breeze*. Send your subscription order at once and secure a set of these beautiful and serviceable spoons. State whether you are new or old subscriber. Time will be extended one year if you are already paid in advance. Address Arthur Capper, Publisher *Mail and Breeze*, Topeka, Kan.

# HOME DRESSMAKING

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

Ladies' Dress No. 5903 is closed in front. The pattern is cut in six sizes, 32 to 42 inches bust measure. A woman of medium size will require 4 yards of 44-inch material.

The pattern for ladies' shirtwaist No. 5848 is cut in six sizes, 32 to 42 inches



bust measure. Size 36 requires 2 1/2 yards of 36-inch material and 1/2 yard of 27-inch contrasting goods.

The dress No. 5865 may be made with either high or low neck. The pattern is cut in six sizes, 32 to 42 inches bust measure. Medium size requires 4 1/2 yards of 36-inch material, with 5/8 yard of 27-inch contrasting goods for trimming.

### USE THIS COUPON FOR PATTERN ORDERS.

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.**

### Curing the Hair With a Syringe.

[Prize Letter.]

I have discovered that when applying any kind of liquid tonic to the hair or scalp it is very easily put on with a syringe. I have one which holds about an ounce. One can apply the tonic with one hand, and at the same time rub the scalp with the other. There is none wasted as when applied with the fingers or pouring in the palm of the hand, and sometimes the tonics are quite expensive. I use a salt solution on my scalp to prevent the falling hair, and by applying it directly to the scalp the hair does not become so sticky. If one does not have a syringe, a medicine dropper would probably do very well.  
Walnut, Kan. A. Friend.

### What To Do For Freckles.

I have been a reader of Mail and Breeze for some years and enjoy reading the Woman's department. I would like to know if anyone can give me a formula that has been tried and found successful for removing freckles from the face and hands.  
Constant Reader.

Lillian Russell, who is becoming rather well known as a writer on beauty subjects and who has been successful in

preserving her own youth to an age when most women are resigning themselves to grandmotherly plumpness, says fresh buttermilk used as if it were water, takes off freckles better than almost anything else known. It should be applied freely and allowed to dry on. Cucumber juice is also good for this purpose. Slice the cucumbers, peeling and all, and let simmer until they can be pressed through a sieve, then add a little alcohol and use frequently during the day.

### Shall We Celebrate the Fourth?

NEW WAYS OF DOING IT.

I want to suggest something new. If there is no celebration on the Fourth near your home, why not pack up your dinner and go to some grove or lake and spend the day instead of staying home? That is what we intend to do. As we live near a lake we are going to take our dinner there and eat it. We will have some company from town, and they think that will be fine.

As we have a freezer we will make some ice cream, have lemonade, fried chicken, potato salad, and lots of other good things. Or try it some Sunday; you will be surprised at how the children enjoy it and how much it will rest you. If there is a hammock it can be taken along, and also a rope for a swing.

Of course, there must be plenty of shade, then let the children "loose". If the family has a tent they can stay a few days or perhaps a week some time when work is not so pressing.  
Pierce, Neb. Mary.

### A New "Sane Fourth".

We have fallen into the way of celebrating Independence day with flags, parades and national airs, and this is right. But sometimes I'm afraid many of us are held down by another tyrant whose chains are as hard to break as those of Mother England. How many mothers when preparing for the usual Fourth of July picnic dinner prepare just what they can easily, without wearing themselves out getting ready? Few, indeed. The idea usually prevails that there must be jellies, cakes, pies and salads without number; for if you haven't as much as your neighbor, or a little more, that neighbor will surely "talk". Possibly your neighbor has no babies to care for and a hired girl to do her work, while you have the babies and no hired help. But that makes no difference. The picnic dinner must be just so, even though the housewife must spend the day after the picnic in bed, with weary limbs and aching head. Then on the Fourth the children must never be without candy or peanuts, and must have ice cream or lemonade every time they pass the candy stand. They must have whatever other children have, even if you have to doctor them all night afterwards. I believe in having a good time on Independence day, but can't we celebrate it in a more sane way so that when we go home at night we can feel it was good to be at the celebration?  
Faith.

### Save the Children.

Not many mothers really welcome the national birthday with gladness and joy. They are thinking of the pitiful results of the carelessness of handling fire arms—of the boys and girls who are left blind for life, the innocent children who lose a limb or die outright as the result of an accident on the day all should celebrate with true joy, and in a proper and fitting manner.

A day in the woods is always a treat to the children. Try a new plan this year. Dress the children in plain afternoon dresses and sun hats. Pack a basket of lunch, dainties which are easily made such as ham, chicken, lettuce or peanut sandwiches, potato chips—get them at the grocer's for 10 cents a quart—salad, eggs, cheese and crackers, fresh fruits and nuts. Do not take pies and cakes, but get the assorted cookies at the grocery, which will save the mother's strength and pack easier than cake. A freezer of plain ice cream is nice, and not much trouble to take. Pack cream in 1-gallon molasses pails, set in another pail a little larger and pack with ice and salt.

Take croquet sets and any other game which will be enjoyed out of doors, also rope for swings. Half a dozen families can spend a very enjoyable day together in this manner and

not miss the fire crackers and cannon which are likely to destroy life and property.  
Farmer's Wife.  
Morgan county, Illinois.

### Unusual Breakfast Dishes

THEY MAKE A CHANGE.

Thoroughly dust and wash a quart or more of Kafir corn. Place on the hot stove in 3 quarts of boiling water and keep just to the boiling point but do not boil much. When soft salt to taste. Serve hot with cream and sugar. This is best relished when cooked during the day and reheated for breakfast.  
Mrs. Nancy De Moss.

R. 3, El Reno, Okla.

### Likes a Variety.

Take the left-over cornbread some morning, place in a large dish and pour over it enough hot sweet milk to cover 2 inches deep after it has absorbed all it will. Add sugar and salt to taste. Sometimes we have corn or wheat flakes, sometimes oatmeal, sometimes plain boiled rice, sometimes graham mush, sometimes whole wheat, making a variety.  
Mrs. Nancy De Moss.

El Reno, Okla.

### Graham Mush.

I want to tell the Women Folks of a delicious breakfast food, one that everybody likes and yet is inexpensive. Take a quart of boiling water, salt to taste and stir in slowly enough graham flour to thicken, just as you would make cornmeal mush. Cook 15 or 20 minutes; be careful not to get too thick, or lumpy. Eat with sugar and cream. Everyone who eats this pronounces it the best breakfast food they ever ate.  
Tuttle, Okla. Mrs. C. J. McNeal.

### An Embroidered Nightgown.

Every woman loves a pretty nightgown, such as is illustrated here. The design is so simple that it would not take a great while to make. The motifs used in front and on the sleeves are also suitable for a waist. Long-cloth is a favorite material for nightgowns and wears well. To make firm scallops run both outlines with fine stitches and pad with chain stitch be-



8244 T—Embroidered Nightgown.

fore buttonholing. Small round eyelets need only to be punched with a stiletto before working, but the outline of all others should be run with fine stitches. The leaves are to be worked solid. This pattern (No. 8244 T) which provides the design for front and sleeves and the scalloped edges as illustrated, can be obtained from the Mail and Breeze Pattern Department, Topeka, Kan., price 10 cents.

### Four Big Papers For \$1.10

The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.10 will send all four of the following papers for one year each:

THE MAIL AND BREEZE of which nothing need be told our own subscribers or those reading this copy of the paper. It speaks for itself.

THE HOUSEHOLD, a large family magazine, containing the choicest stories and departments of particular interest to lady readers.

THE KANSAS WEEKLY CAPITAL, the oldest and best weekly newspaper in the entire Southwest.

THE MISSOURI VALLEY FARMER, a big monthly farm and agricultural paper which should be read by every farmer. No liquor advertising is printed in any of these papers.

Remember, all four of these big papers will be sent to one address or to four different addresses if so desired for only \$1.10. If you are a subscriber to any one of these papers your time will be advanced another year. You will be supplied with the best class of reading matter for a full year. Don't fail to mention the names of these papers in sending in your order. Send your order to the

I think the Mail and Breeze one of the best farm papers.—P. H. Bert, R. F. D., Detroit, Kan.

## Bovee's Compound Horizontal Furnaces at Manufacturer's Prices

Save 40% of fuel and cost. Burn perfectly coal or wood. 16-inch doors. Heavy coal grates—large combustion chamber—compound radiator.



Long travel of heat. Easy to operate. Most practical heating plant for all buildings, especially for farm use.

Will soon save cost in fuel. Write for particulars.

Bovee Furnace Works, 188 8th St. Waterloo, Iowa

## Shinn Lightning Rods

Are scientifically perfect. Give absolute protection. Sold under \$75.00 bond. ASK YOUR DEALER for Shinn rods. If he has none write me for full particulars about bond, my system of inspection by state inspectors and free catalog which tells why Shinn rods are best.



W. C. SHINN, 110 16th St. LINCOLN, NEBRASKA

## Lightning Protection

Direct to User by Mail. Rod your own buildings. "Made Right" Lightning Cable is pure soft copper and extra heavy. Shipped on Trial. Freight Prepaid. With Complete Directions. Foot 8 1/2 C. System guaranteed satisfactory or goods returned at our expense. Write today for catalog. IOWA LIGHTNING ROD CO. OF DES MOINES, IA, 813 Woburn St.

## DAISY FLY KILLER



placed anywhere, attracts and kills all flies. Neat, clean, ornamental, convenient, cheap. Lasts all seasons. Made of metal, can't spill or tip over; will not soil or injure anything. Guaranteed effective. Sold by dealers, or six sent prepaid for \$1.00.

HAROLD SOMERS, 150 DeKalb Ave., Brooklyn, N. Y.

## FREE WATCH, RING AND CHAIN

Our fully guaranteed, stem wind and set, richly carved watch, proper size; and brilliant 3-stone ring, are given FREE to anyone for selling 25 jewelry articles at 10c each. Order jewelry now when sold send \$2.00 and we will send you watch, ring and handsome chain FREE. HOMER WATCH CO., Dept. 106 CHICAGO

## 22-Cal. HUNTING RIFLE GIVEN

1913 Take-down Pattern, with all latest improvements, walnut stock and grip. Shoots accurately 22 long or short, handsome, durable. SEND NO MONEY. Just send your name and address for my easy plan by which you can secure this fine rifle absolutely Free Express Prepaid. Write today. H. A. SLOAN, 52 Epitome Building, SPENCER, INDIANA

## Organs, \$15 to \$30. Highest Grade

Estey, Mason & Hamlin, Story & Clark, Kimball—C. Cottage & Co., Slightly used; like new. Write today. Jenkins Sons Music Co., Kansas City, Mo. Reference, any bank in Kansas City

## EX-PRESIDENT ROOSEVELT'S Famous Book AFRICAN GAME TRAILS

SENT POSTPAID ON RECEIPT OF \$3.75. JOHN A. LARSON, ASSARIA, KANSAS

## 12 Beautiful 7-Color 10c SCENIC POST CARDS

We now have ready for distribution a series of 36 of the most gorgeous scenic post cards ever printed. These cards are made direct from photographs covering all the most important points of interest in Colorado—Mountains, Peaks, Lakes, Valleys, Mines, famous buildings and places—practically every scenic spot of greatest interest is included in this wonderful series of post card views. The cards are printed on finest stock in from five to seven colors producing the most beautiful effect imaginable. These cards have an educational as well as artistic value as they provide true-to-life illustrations of the most-talked-of points throughout this mountain wonderland. Get a complete set for your album or collection, another set to mail to your friends—36 different views.

BARGAIN OFFER. These cards would ordinarily retail at 2 for 5 cents, and they are worth it, too. We are wholesale distributors and just to get these beautiful cards introduced in all parts of the country we will for a limited time send postpaid 12 all different Colorado View Cards, for only 10 cents, or 36 all different for 25 cents. Send your order today—STAMPS or coin. Address.

COLORADO SELLING CO., 1624 Seventeenth St., Denver, Colo.

## Running Water

in House and Barn at even temperature Winter or Summer at Small Cost.



Send Postal for New Water Supply. It will bring you 100 pictures of the actual use. Do it Now. Acrometer Co., 1144 S. Campbell Av., Chicago. Acrometer Co., 2d and Madison Streets, Oakland, Cal.

# BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

## Special Notice

All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication 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.

WRITE J. M. McCown, Emporia, Kansas, special bargain list, farms and ranches.

MORTON COUNTY—Write for new list of snaps and information regarding this country. Luther & Co., Rolla, Kan.

FOR EXCHANGE—900 a. fine land, Wharton Co., Tex. Want Cn. or E. Kan. land. Write for information. Walter Hanson, Sabetha, Kan.

320 ACRES Franklin Co., Kansas. 1 mile town, new house and barn, good location. \$60 a. A. E. Clark & Son, Pomona, Kan.

GET on the new R. R., where land only sells for \$10 to \$15 per a.; best land in state; fine water. Life Real Estate Co., Hugoton, Kan.

120 A. 5 ml. out, fine impr.; 75 a. in cult., bal. timber and pasture. \$50 per a. & a. L. ml. out, well impr.; \$1,600. Both clear. No trade. J. A. Decker, Valley Falls, Kan.

HOMESEEKERS attention. A party is going to California for health; will sell his farm at a big sacrifice, only a small payment down. Kysar Realty Co., Goodland, Kan.

SOME BARGAINS: I am going to change my location and I have three farms to sell, and must sell regardless of price. Write for price and terms. J. D. Reneau, La Cygne, Kan.

320 A. good land in Stevens Co., Kan. 6 r. house, stable, well and mill; fenced; 100 a. cult.; ideal stock or dairy farm; carry \$1,250 if desired. John A. Firmin, Hugoton, Kan.

100 IMP. and unimp. farms for sale in Edwards, Ford and Hodgeman Cos., \$1,100 1/2 up. For further information and list call on or address THOS. DARCEY, Offerle, Kan.

160 A. 2 miles town, 1/2 mile school; 7 room house, large barn, 100 a. bottom; 40 a. alfalfa; fine orchard, fine improvements, nice home. Price \$65 per acre. GILE & BONSALL, South Haven, Sumner Co., Kan.

CLARK CO., KAN. 800 a. 7. ml. south of Bloom, 12 of Minneola; 400 broken and planted 1913. About 200 hay and grazing; inexhaustible springs; fenced; \$15,000. Terms. Owner, Robt. C. Mayse, Ashland, Kan.

ARK. land. 444 a. sandy loam adjoining town of Washington; large house, 4 tenant houses, fine timber, plenty water, 80 a. Bermuda grass, \$25 a. Terms. Write for list. Horton & Co., Hope, Ark.

FOR SALE:—Highly improved, bottom farm, near Wichita, of 230 acres, close to school and church, 1 mile to good town; a splendid corn and alfalfa farm, price \$23,000. E. E. Foley, Wichita, Kan.

240 ACRE farm southeastern Kansas, 3 1/2 ml. of town. Two sets of imp., fine location, good water, shade trees; one set of imp. and first class, no better. Price soon \$65. Will carry \$5,000 to \$6,000 at 6%. Fred L. Kent, Uniontown, Bourbon Co., Kan.

TO SETTLE AN ESTATE, 160 acres, 110 a. cult., bal. pasture and mow land, fair imp., price \$7,000. Small payment down, bal. long time, low interest rate. 80 acre farm, 50 cult., bal. pasture, no improvements, \$3,400, \$1,400 down. 160 a., about half in cult., bal. pasture and mow land, no imp.; \$6,400, small payment. All situated in northeast Jewell county in the heart of the best corn and alfalfa district of the state; wheat in 1912 made 25 to 50 bu. this year it is about 10 bu. better; corn 1911 made 30 to 50 bu. per acre; 1912 30 to 60. Being off main lines of travel, great rush of homeseekers have missed this corner. This land is located on Superior branch A. T. & S. F., 3 miles from Lovewell, Kan. Come quick, as these won't last long. Call on W. P. Shaver, Trustee, Lovewell, Kan.

COFFEY COUNTY, EASTERN KANSAS. Good homes and investments. Corn, tame grass and ranch lands, \$30 to \$60 per a. List free. LANE & KENT, Burlington, Kan.

FOR SALE. 320 acres level wheat land \$9.00 per acre. Carry 1/2 on land. Also many other good bargains in corn, wheat and alfalfa lands. L. E. PENDLETON, Dodge City, Kan.

ALFALFA FARMS Write for list of farms and ranches near the best college town in the state.

CATTLE RANCHES T. B. GODSEY, Emporia, Kan.

## For Land Bargains

on new railroad in Gray County, write C. A. LIVINGSTON LAND COMPANY, Montezuma, Kansas.

"Special List to Dealers."

## Ranch For Sale or Lease

640 acres, 7 miles from county seat town, on new Santa Fe railroad. All fenced and 160 acres in cultivation. Good well. Will sell for \$10.00 per acre or will lease to right party. Address Box 704, care Mail and Breeze, Topeka, Kan.

## Only \$3.00 Cash

## Balance \$1.50 Per Month

pays for level, well located, 50x140 ft. lot at \$30 for inside lots and \$35 for corners in the prosperous little city Plains, Kan. Where prices are advancing rapidly and good profits assured. Send first payment for contract on guaranteed lot or write for complete information. MUST ACT QUICK. JOHN W. BAUGHMAN, Desk G, Plains, Kan.

AGENTS WANTED, to sell Neosho Valley corn and alfalfa lands. \$40.00 to \$60.00 per a. G. W. Clark Land Co., Chetopa, Kan.

BARGAIN: 80 a. imp. 4 miles out. \$3,800. Send for land list. F. C. LIBBY, Blue Mound, Linn Co., Kansas. J. L. Wilson, Salesman.

\$55 PER A. buys 320 a. 5 ml. Wakefield. Well imp., fine water. 185 a. cult., 70 a. fine creek bottom, 5 a. timber, 110 prairie, some alfalfa. J. C. Weaver, Wakefield, Kan.

672 ACRE farm, 3 sets improvements, near Arkansas City, Kan. 65 in alfalfa. Best of terms. Ask about this good farm. 80, 160, 240, 320, 408, 620, all above farms are good prices from \$30 up to \$56 per a. WM. GODDY, Arkansas City, Kan.

AT \$11.00 PER ACRE, 12,000 a. ranch in Meade Co., Kan. 1,000 in cult., over 50% tillable, plenty water and grass, only 2 ml. from town. Terms on part; will divide nicely into smaller farms. Pralle Bros. Realty Co., Bremen, Kan.

WELL IMPROVED 128 acre farm, Lyon Co., Kansas. Close to town. \$6,500. Fifteen hundred cash, balance as long as wanted at 6%. This is a sure bargain for someone wanting to make a small payment down on a good farm. Address Lock Box 104, Allen, Kan.

I HAVE the finest grain, stock, and alfalfa farms in Sumner county, from \$45 and up, per acre. Well improved. Good water. Fruit and vegetables. Write me what you want. Information free. I also make exchanges. Write H. H. Stewart, Wellington, Kan.

FARMS FOR THE POOR. Imp. E. Kan., Neb., and Mo., EASY PAYMENTS, or exch. Also Topeka homes. Kaw Valley Exchange, 104 E. 6th, Topeka, Kan.

## Good Quality at Low Cost

235 acres near Garnett, Kansas, most blue-stem meadow, low price. 60 acres, well improved, 3 ml. of town, subject to one year lease. 160 acres, 1/2 ml. of town, well improved. SPOHN BROS., Garnett, Kan.

## 400 ACRES FOR SALE

Two sets of improvements in fair condition; plenty shade trees. 2 good wells, windmills and concrete water tanks; also creek water at each place. 240 a. of bottom alfalfa land and 160 a. of upland (black soil). 200 a. in wheat, 30 a. alfalfa, 60 a. pasture, bal. corn land, all tillable. 2 ml. town. Phone. Level roads. Will sell part or all. Terms on part. Price \$30 per acre. T. F. JOHNSTON, Garfield, Kan.

# FOR SALE OR EXCHANGE

EXCHANGES—all kinds—free list. Foster Bros., Independence, Kan.

OPERA HOUSE, new. No other here. Will sell or trade. Price \$12,500.00. Evans Realty Co., Tucumcari, N. M.

TWO FINE quarters on new R. R. east Gray Co., for clean genl. mdse. or good hotel. Box 81, Dodge City, Kan.

WILL TRADE 320 acres, impr., in Trego Co., Inc. \$1,650, for farm in east Kansas or Nebraska. C. E. Tatman, Ransom, Kan.

FOR SALE—Choice wheat, corn, and alfalfa lands, in Clark, Ford, and Meade Cos. Write for list, trades. NATE NEAL, Real Estate, Minneola, Kan.

FARMS, stocks, and city property for sale or trade. What have you to offer? Bigham & Ochiltree, 802 Corby-Forsae Bldg., St. Joseph, Mo.

RANCH, 1,880 acres, modern improvements, 300 acres alfalfa land, Trego Co., Kansas. \$25 acre, want smaller farm. Buxton, Utica, Ness Co., Kansas.

WE DO the largest exchange business in S. E. Kansas. Income property for farms and ranches a specialty. Write for lists. J. N. Hunter, Independence, Kansas.

FOR SALE—25 a. town lot opportunity, ready to plat, 9 room home, all conveniences, 5 blocks to street car. Write owner, M. H. Foster, Hutchinson, Kan.

WILL TRADE 320 a. impr. farm in Trego Co., price \$30 per a., inc. \$2,600, for a farm in eastern Kansas or good business. Make offer quick. This is a good place. W. A. Doerschlag, Ransom, Kansas.

FOR SALE OR EXCHANGE. Good wheat and alfalfa land in Ford and adjoining counties. Nothing but tangible propositions considered. Give full description in first letter. Prices \$15 to \$40 per a. Ranches for colonizing. G. L. Painter & Co., Dodge City, Kan.

FOR SALE AND EXCHANGE. Washington Co. improved farms at \$50 to \$180 a. Write F. E. Beeson, Washington, Ks.

## FOR SALE OR TRADE

20 acres, well improved, in good location, near Emporia. Lot and 2 story stone store building on main street of Emporia, rented. Will trade either or both properties for suitable, well improved, larger farm. Send full description and cash value of your farm to E. R. GRIFFITH, R. R. 5, Emporia, Kansas.

## YOUNG FARMER'S CHANCE

To trade a farm for a well established business in a thriving little town in West Central Kansas. Real estate and insurance, notary public, grain elevator, residence and office. Postoffice in building with a chance at it. Stock of John Deere and I. H. Co. implements, total about \$7,000. Address "P," care of Mail and Breeze, Topeka.

200 A. level black land 3 ml town, 100 a. wheat, improved; everlasting water, 1/2 ml. school, 1/2 crop with place if sold by July. Bargain. A. W. Bremeyer & Co., McPherson, Kan.

FOR SALE BY OWNER. 16 quarters, adjoins German settlement Minneola. Small payt., bal. 8 years 6%. Write at once. Box 317, Minneola, Kan.

COMANCHE COUNTY BARGAIN. 480 a. improved, 9 miles from Coldwater. 173 a. fine growing wheat, all goes, for quick sale, price \$27.00 per a. Terms if desired. C. A. HEATON, Larned, Kansas.

MONEY-MAKERS AND GOOD HOMES. Lands in Oklahoma, Texas and Kansas for sale on exchanges. City property and stocks of mdse. to exchange. List free. JABEZ F. BRADSHAW, Lenexa, Kan.

HAY FARM FOR SALE. 160 acres of land 3 miles from Colony, Anderson Co., Kansas. 100 acres in native meadow, 15 acres pasture, 45 cult., improved with house and barn, good water. The hay alone has been making \$500 per year. Am offering this at the low price of \$40 per acre as I have other interests and cannot see to it. For sale only. Address J. F. RESELE, Owner, Colony, Kansas.

SEDGWICK COUNTY FARM BARGAINS. 80 a. farm near R. R. town, good 8 room house, large new barn, orchard, fine water, good land, only \$4,500.00. Terms, one-third cash, 145 acre farm, good house, 2 barns, best land, \$58 per a. Terms to suit. 21 a. bottom farm, good house, barn, 12 a. alfalfa, in suburbs of Wichita, \$6,500. 280 a. bottom farm—an alfalfa proposition; soft water, 15 feet any place on farm. \$50.00 per a. Terms to suit. Call or write H. E. OSBURN, 227 E. Douglas Ave., Wichita, Kan.

ALONG THE NEW RAILROAD. IN THE SHALLOW-WATER COUNTRY. Large and small tracts, improved and unimproved ranches, on easy terms, in Haskell, Grant, Stanton, Stevens and Morton counties, Kansas; Texas county, Oklahoma; and Baca county, Colorado; ALONG THE NEW RAILROAD NOW being built by the Santa Fe from Dodge City to Colmar, N. M. GET MY PRICES AND TERMS. FLOWING ARTESIAN WELLS — INEXHAUSTIBLE UNDERFLOW. Agents wanted. DON VAN WORMER, Rolla, Kansas. Richfield, Kansas.

FOR SALE, FINE DAIRY FARM. 160 a. highly imp. half ml. county seat town 4,000 pop. Only milk route. Fully equipped. 40 a. alfalfa. Creek. Big money maker. Write for details. V. A. OSBURN, Eldorado, Kansas.

270 ACRE well improved corn and alfalfa farm, 5 miles Garnett, \$65.00. Terms. 240 acres corn and alfalfa farm, 3 miles railroad, \$45.00. Terms. Other good ones. S. C. Bybee & Company, Garnett, Kan.

ALFALFA AND WHEAT LANDS at \$20 up. Grass lands \$10 up. Crops are good; prices are rapidly advancing—NOW'S the time to buy. List free. A few exchanges considered—they must be gilt edged. WILLIAMS & PICKENS, Meade, Kan.

LINN COUNTY FARMS. Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15-\$80. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illustrated folder free. EBY-CADY REALTY CO., Pleasanton, Kan.

STOCK FARM. 320 acres fine land 3 1/2 miles from town, 2 1/2 ml. to shipping point; 7 room house, small barn, good orchard, fine location, good surrounding country. 85 acres in cultivation. More can be cultivated; balance fine hay and native pasture that is good. Price \$41.25 per acre or will sell 160 or 200 acres \$45.00. Look this over. W. H. LATHROM, Waverly, Kansas.

SACRIFICE SALE. 80 acres 2 1/2 miles from town, 5 room house, barn hold 8 head of horses with wagon shed on one side and cattle shed on the other; other outbuildings; orchard and shade, 10 acres in pasture, rest in cultivation. This farm can be bought for \$3,600. Will carry \$2,000 at 5 1/2%. G. S. RILEY, Real Estate, Waverly, Kan.

MUST SELL. 162 acres in Franklin Co., Kansas, 1/2 mile of town, 80 a. creek bottom, 40 acres in blue grass, 10 acres clover, 7 room house, barn and other outbuildings, 8 acres timber, 118 acres in cultivation, price \$62 per acre; \$2,000 down, remainder long time at 6% interest. 125 acres 3 ml. of town located in Franklin Co., Kansas. All tillable, 5 room house, barn 30x40, other good outbuildings; 2 never failing wells, price \$70 per acre. Small payment down, remainder at 6% interest. 80 acres located in Franklin Co., 1 mile of Ottawa, Kansas. All tillable, 65 acres in cultivation, price \$90 per a. Rental \$8 per a. Write for land list. MANSFIELD LAND CO., Ottawa, Kan.

MISSOURI. WRITE Morris & Walker for list of south Missouri farms. Mountain View, Mo.

HOMESEEKERS farm list. Southwestern Land & Imml. Co., Springfield, Mo.

200 A. valley farm, impr. \$20 acre. Maps, views free. Arthur, Mountain View, Mo.

800 ACRES practically all tillable, 4 miles from Amsterdam, Mo. 60 miles south of K. C. Well watered and fenced. No rock. Price \$52 per acre. J. D. Sage, Amsterdam, Mo.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$8 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON REAL ESTATE CO., Anderson, Mo.

SOUTHEASTERN MISSOURI LANDS—If you want to become independent, buy a farm in Scott Co., Mo., in the rich drained lands that raise anything and raise it certain. All we ask is a chance to "Show you." Prices very reasonable. Write F. S. Bice, Oran, Mo.

ONE of Howell Co., Mo., good farms, 279 a.; 170 cult., 9 room house, good collar. Large barn, other buildings. Orchard, fine water, 3 ml. railroad town, 6 ml. county seat, West Plains, on R. F. D. and phone line. 1/2 ml. school. \$40 a. No trade. A. P. COTRELL LAND CO., Pomona, Howell Co., Mo.

A SNAP FOR THE CASH. 200 acres, 160 fenced, 120 cultivation. 2 1/2 miles to postoffice, 1 ml. to school, 10 to county seat. Good house and barn; everlasting spring, fruit; price \$4,000. Will give terms. KIRWAN & LAIRD, West Plains, Mo.

CASS COUNTY, MISSOURI. If you ever expect to buy a farm, come to Cass Co. at once for you can save at least \$10 per a. by coming before fall rush. Exceptional bargains in farms, all sizes, only a short time. Make specialty of farms priced right. CHAS. BIRD, Harrisonville, Mo.

OZARK LANDS FOR SALE. 40 a., all fenced with woven wire, 36 a. in cultivation, bal. pasture, new 5 room house, large barn and other outbuildings, fine water, 1/2 ml. school; mortgage \$500 due 4 yrs. at 5 1/2%. Price \$1,400. List free. JAS. B. WEBB, West Plains, Mo.

POLK COUNTY FARMS For Sale or Exchange. Ideal climate, pure water, fine pastures, short feeding season, productive soil, prices and terms to suit. HARRY T. WEST REALTY CO., Bolivar, Mo.

## Ozark Unimproved Farm Bargain

150 acres of good unimproved farming land, near Van Buren, county seat of Carter Co. Fine pasture land, good for dairy, fruit and in fact you can raise almost anything you can raise in the North. Located in the Ozarks of Missouri. Makes the climate the very best. Excellent water. Price \$10 per acre. For full particulars write JOHN M. CARNAHAN, Van Buren, Mo. (County Recorder Carter Co.)

## MINNESOTA

FARMERS WANTED—In Minnesota where big crops are produced. Homes for thousands of improved farms for corn, small grains and livestock. Dairy farms with pure water, clover, timothy and alfalfa. Maps and literature telling all about Minnesota sent free upon application to Fred D. Sherman, Commissioner of Immigration, Room 233 State Capitol, St. Paul, Minn.

GROCERIES for land or land for mdse. F. Gass, Joplin, Mo.

TRADES everywhere. Get our large list. Burrow's R. E. EX., Warm Springs, Ark.

\$16,000 GENERAL merchandise, never changed hands; for good Kansas land. A. W. BREMEYER & CO., McPherson, Kan.

NEW TOPEKA RESIDENCE to trade for good residence in good town in north central Kansas, by traveling man making that territory. Address Box 711, Cape Farmers Mail and Breeze, Topeka, Kan.

FOR SALE OR EXCHANGE. Modern equipped real estate, loan and insurance company, excellent business and territory, established 25 years, \$1,000,000 ins. on books. Profit last year \$1,800. Want real estate. For complete description on this money maker write Rayfield Realty Co., Horton, Kan.

FOR SALE OR EXCHANGE. 100 bbl. flour and 50 bbl. feed mill in N. W. Mo., 70 ml. St. Joe. 6 double Stands rollers, Alsop electric blasher, individual electric lights, city water, county seat town in wheat belt, 3 stories and basement, 3 acres land, barns, bins, cribs and complete in detail. Leased at \$900.00 per year, expiring Aug. 1, '13. Insured for \$7,700.00. Price \$15,000.00 clear. Will trade for land in N. Mo., S. Iowa, E. Kan. or Nebr. Trade quick. Will assume, carry back or might add, \$5,000 cash. W. L. BOWMAN REALTY CO., King City, Mo.

Buy or Trade with us—Exchange book free. Berste Agency, Eldorado, Ks.

160 Acres of land to Holsteins H. N. HOLDEMAN, Meade, Kan.

Far Sale or Trade by Owner. 640 a. 6 ml. of Ingalls, Gray Co., Kansas; 170 a. in cult., 320 a. fenced; well, house, and barn. \$17.50 per a. Terms \$6,200 cash, bal. time at 6% int. or trade for small place as part payment. Address JAMES PIZINGER, Holington, Kan.

## TRY ME!

YOU HAVE TRIED OTHERS Now try me on that trade; can match most anything, that's my business. A postal will bring list of exchanges. Have some nice stock, grain and alfalfa farms for sale on easy terms. Write B. FRANK YOUNGS, Howard, Kan.

OKLAHOMA

N. E. OKLA. prairie farms. Easy payments. Write J. T. Ragan, Vinita, Okla.

FOR RENT. 500 acres first class bottom land joining Chickasha, Oklahoma. Level, no rock or stumps. Price \$4 per acre cash in advance. This farm is for sale also. Golden Gate Trust Co., Chickasha, Okla.

320 ACRES good wheat land. 220 in cultivation. Good water. Well improved. \$700 worth of farm implements. All for \$6,000. Mile and a half from Guymon. I. L. Ennis, Guymon, Oklahoma.

60 A. 2 miles McAlester, city 15,000, 32 a. cultivation, mostly bottom; 8 a. meadow; bal. pasture; fair improvements, splendid soil. Good neighborhood. \$33 per a. Terms. 800 a. rough pasture, \$3.00 per a. Southern Realty Co., McAlester, Okla.

BEST alfalfa farm in Oklahoma. 90 a. growing alfalfa, 25 a. wheat, 25 a. oats; 3 mi. hog tight fence; one-half mile to \$50,000 federal building. The greatest bargain ever offered. One-half mile to this city. C. W. Smith, Kingfisher, Oklahoma.

FOR SALE. A 440 acre valley farm, very rich land. No overflow. \$5,000 worth of improvements. 3 houses, barns, windmill, etc. 3 mi. from Vinita, Oklahoma. Price reasonable. One-third cash. Sell part if desired. W. M. Mercer, Aurora, Ill.

EASY PAYMENTS; no hot winds; no commissions; no failures; corn, cotton, alfalfa, timber and grazing lands, in coal, oil and gas belt; over one hundred tracts to select from, to sell on easy yearly payments. Send ten cents for particulars. Joseph F. Locke, Oklahoma City, Okla.

Eastern Oklahoma Farms For Sale

40 a. four miles from McAlester, city of 15,000 people; prairie; 40 a. in cultivation, nearly all cultivatable. A bargain. \$35 per a. 800 acres rough timber land, five miles east of Eufaula; cheap; \$2.75 per acre. Write for additional lists. Reuben Chapman & Company, McAlester, Ok.

TEXAS

BRAZOS bottom farm, 320 acres, 110 cult.; 2 houses, very fine soil. \$45 per acre. 1/2 cash, balance easy. Winston McMahon, 317 Beatty Bldg., Houston, Tex.

CORN, cotton, potatoes and rice are making our farmers good money. Prices from \$25 an acre up. A few special bargains. Fidelity Immigration Co., Eagle Lake, Tex.

THE BEST cheap land proposition in the United States today. Wheat yielding from twenty to forty bushels per acre, all other crops equally good. Write us for particulars. J. N. JOHNSON LAND CO., Dalhart, Tex.

OIL LOTS EARN FORTUNES: New strike N. Humble oil belt. \$10, easy installments. Pay \$10 after I strike oil. Get part, surest co-operative proposition ever offered. Herbert Barbour, Beatty Bldg., Houston, Texas.

NORTHWEST TEXAS LANDS. Any size tracts. Buy direct from owner. Address G. A. Vawter, Dalhart, Texas.

BARGAINS IN GULF COAST LANDS. FACTS about the Mid-Gulf-Coast Country of Texas. Production, climate, rainfall, soil, markets, water. Large or small tracts. Write at once for free booklet and price lists. Reference given. John Richey & Co., Binz Bldg., Houston, Tex.

ARKANSAS

80 A. impr. valley farm; on Ry. 35 cultivation. \$15 a. Robert Sessions, Winthrop, Ark.

891 A. alfalfa and cotton land; some improved, tracts to suit. \$75 per a. New list free. Pope Co. R. E. Co., Russellville, Ark.

160 ACRES one mile from Oliver, Ry. town; church, school; partly improved; good timber. In Scott county, Arkansas. Price \$3 per acre, cash. Box 308, Heavener, Okla.

17,000 ACRES, no rocks, hills or swamps. Any size farms Grant Co. \$1.50 per a. down, bal. 20 yrs. at 6%. Employment. TETER & Co., Op. Union Depot, Little Rock, Ark.

BARGAIN. Well improved 160 near Raven-den Springs, Ark. All new buildings, good land, large orchard. Quick sale, don't miss this. Burrows, Warm Springs, Ark.

COLORADO

WILL SELL your eastern Colo. alfalfa farms. Irrigated \$65 to \$150; non-irrigated \$5 to \$35. Trades considered. Demaray & Paschall, Holly, Colo.

THE INTERNATIONAL REALTY & INV. CO. 618-20 Gas and Electric Bldg., DENVER, COLORADO Write us for highly improved irrigated and dry farms, choice Fruit Tracts in Colorado, and City Property in Denver

320 HOMESTEADS 320

I now have a few 320 acre homesteads relinquishments at from \$200 to \$1,000, perfectly level, every acre tillable, no better soil, fine water, good schools, in good neighborhoods. They will not last long. If you want a home write me now. R. T. CLINE, Towner, Colo.

NEW MEXICO

160 ACRE farm joins city limits of Tucumcari, N. M. \$1,700.00 cash. Address Jas. J. Hall, Tucumcari, N. M.

CHEAPEST, best irrigated lands in the world \$25.00 to \$40.00 per acre. For information address Dan Vinson, Portales, N. M.

FIRST MORTGAGE LAND NOTES. \$30,000 first mortgage five year land notes, interest 9%, payable annually; these notes are in denominations of \$300.00 to \$800.00. Each note secured by 160 acres of choice land. Reference 1st Nat'l Bank. COE HOWARD, Portales, New Mexico.

MARKET PROBABILITIES

(Written Specially for Farmers Mail and Breeze.)

Last week the weather gave a fine sample of what it can do with markets, and what it probably will do the season through unless it takes on one of its good spells. In the first three days last week trade moved off fairly well. There was a good demand for fat cattle and that for a time threw actual conditions in the shadow. But Thursday and Friday some very thin cattle from dry sections in Missouri showed up and had the effect of paralyzing the demand. No one wanted thin cattle for fear of a general drouth, yet all knew that no irreparable damage had occurred in the big pastures. On the contrary Oklahoma, Northwest Kansas, Nebraska, the entire Northwest and Texas and New Mexico reported good rains. Southwest of San Antonio, where it had been dry for six weeks past, four to six inches of rain were reported and the movement of thin cattle to other pastures was checked. Eastern Missouri, Illinois and parts of Indiana were reported as needing rain badly. However, men who keep in close touch with the big pastures, say that the driest sections can go another ten days without rain and still not be forced to move their cattle. Thursday's and Friday's cattle market was more of a nervous chill on the part of buyers. Light general showers would do more good for demand at present than hard rains a week later. As a result of this general unsettled condition, prices for stock and feeding steers fell 35 to 50 cents and 50 to 75 cents on she stuff, stock cows and stock heifers. Veal calves went off \$1.50 to \$2 a hundred pounds, and stock calves were off \$1. Rains will rally the market, continued dry weather will place stock grades on the bargain counter.

Near Records For Fat Steers.

While the thin cattle side of the market was struggling with adverse weather conditions, fat steers rose to nearly the high levels of the year. Prime beefs in Chicago made \$9.90, and \$9 tops were reported at some of the other markets, or within 10 cents of the high levels reported this year. The high prices were paid the first three days last week, and the advance up to Wednesday was 15 to 25 cents. Later most of that gain was lost. However, the market for fat cattle is by no means discouraging. Supplies from corn belt feed lots are diminishing rapidly, the cotton seed cake steers from the Southwest, which have taken their place temporarily, have about all been marketed and the high price of grain and the fear of short grass makes prime beefs look attractive. The medium grades are in a position where wide price fluctuations may occur. The bulk of the native beef steers last week brought \$3 to \$8.75, Western grades \$7.70 to \$8.50, and below the quarantine line steers \$7.25 to \$8.20. Some corn belt steers fed grain on grass brought \$8.35 to \$8.65, and they are the class that rule favorites in July to October. No winter grass steers were offered or was there any movement of fat cattle from big pastures that indicated stress of dry weather.

Butcher Cattle Hold Up Well.

Trade in she stuff suitable for killers held up well this past week, though on the final days a weaker tone appeared. Prices averaged 10 to 20 cents higher. The dry lot grades showed most of the advance. Killers were in a humor to subject the greenish kind to the lower regions, but general light receipts prevented such actions. Mixed yearlings sold up to \$8.90, and straight heifers up to \$8.75, and cows as high as \$7.40. The extreme range on heifers was \$5.50 up, and on cows \$3.85 to \$7.40. Packers are beginning to prepare themselves for the summer canning season. Summer months in the past two years have yielded small canning supplies and it is the general opinion that this season will prove no exception. Canner cows are expected to continue high.

Fluctuating Hog Prices.

Hog prices continued to move up and down. The up movement seems to trip a

LOUISIANA

DON'T be a renter; we sell finest improved corn land in North Louisiana on 15 years' time. Write HUGO JACOBSON, Salina, Kansas, immigration agent.

LOUISIANA LANDS. We offer some bargains in Louisiana lands near Shreveport. Write for free map of state. W. A. Jones, Shreveport, La.

FLORIDA

FOR SALE BY OWNER: Four very desirable improved pieces of property in Alachua county, Fla. 90, 20, 30 and 30 acre tracts on large lake. Not to be classed with the ordinary Florida lands being offered for sale. Terms to suit customers. T. S. McManus, Waldo, Fla.

NEW YORK

WE HAVE all kinds of farms for all kinds of people. Bargains coming every day. Write for catalog. Hall's Farm Agency, Owego, Tioga county, N. Y.

spring when it reaches the vicinity of the 9 cent level, and there is an immediate drop. And likewise the down movement is checked when it hits the \$8.40 to \$8.50 spring. The general movement has been more or less automatic during the entire month and the only difference between June prices thus far and those in May is that this month average prices have been slightly higher, due in part to better quality. The fact that June has maintained a slight advance over May on increased receipts leads a good many to believe that higher prices are in store. Demand for fresh pork around present prices is broad and packers still need hogs for product making. Last week the market opened steady to lower and rather rapid price reductions occurred up to Thursday. Then the market turned up again and nearly the entire early loss was regained. The entire price movement for the week was covered by 25 to 30 cents. Average quality of hogs continues good. Extreme high temperatures at markets last week caused a good many hogs to die on unloading docks and in transit. Moderate receipts are expected next week.

Sheep Demand at Low Lbb.

Sheep prices fell to new low levels for the year last week. The movement of Southern lambs to Eastern markets which was let up some in the preceding week was begun again last week and the result was that prices for all kinds fell to new low levels. Lambs were quoted off 50 to 75 cents and sheep as much as 50 cents. At the decline ruling quotations on spring lambs were \$7 to \$7.75, and on sheep \$4.50 to \$5.50. No fed lambs of any consequence are coming and the market is on the basis of spring lambs and grass sheep. Quality in the West is plain thus far, but will improve as the season advances. The next big movement will be the stock and feeding grades. July will uncover the advance run of stockers and feeders and demand will be governed by weather conditions. If corn belt feeders are in a position to handle thin sheep there will be an active demand, otherwise thin sheep will be on a bargain basis.

The Movement of Livestock.

The following table shows receipts of cattle, hogs and sheep at the five western markets last week, the previous week and a year ago:

Table with columns: Market, Cattle, Hogs, Sheep. Rows: Kansas City, Chicago, Omaha, St. Louis, St. Joseph, Total, Preceding week, Year ago.

The following table shows receipts of cattle, hogs and sheep in St. Louis thus far this year, compared with the same period in 1912:

Table with columns: 1913, 1912, Inc., Dec. Rows: Cattle, Hogs, Sheep, H. & M., Cars.

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and the same period in 1912:

Table with columns: 1913, 1912, Inc., Dec. Rows: Cattle, Calves, Hogs, Sheep, H. & M., Cars.

The following table shows receipts of livestock in St. Joseph thus far this year compared with the same period in 1912:

Table with columns: 1913, 1912, Inc., Dec. Rows: Cattle, Hogs, Sheep, H. & M., Cars.

The following table shows receipts of cattle, hogs and sheep at the five western markets, Monday, June 23, together with totals a week ago and a year ago:

Table with columns: Market, Cattle, Hogs, Sheep. Rows: Kansas City, Chicago, Omaha, St. Louis, St. Joseph, Totals, A week ago, A year ago.

The following table shows a comparison in prices on best offerings of livestock at Kansas City and Chicago for this date and one year ago:

Table with columns: Per 100 lbs., 1913, 1912. Rows: Cattle, Hogs, Sheep. Markets: Chicago, Kan. City.

Demand Breaks Dull Horse Trade.

In the midst of hot weather Western markets reported a moderate improvement in demand for horses and mules. This was rather unexpected, as receipts were light, and the hold over supplies from former days were absorbed. Prices were quoted stronger. This is the time of the year when a little demand looks big,

but the prevailing trend in the market from now until the latter part of August will be dullness.

Grain Prices Turn Down.

Oklahoma and Texas have harvested a good crop of wheat. Kansas crop is now being cut and while reports are mixed it will turn out better than expected two weeks ago. Missouri will have one of the largest crops on record and Nebraska will have between 65 and 70 million bushels. At the same time good rains have fallen in the spring wheat area of the Northwest. This tended to weaken prices, and together with new wheat available caused a decline of 2 to 3 cents a bushel. Corn is not suffering for moisture, though general rains are needed over the entire belt and must come soon or there will be a material deterioration in the plant. Prices are lower, though still at 60 cents and better. Oats were slightly lower.

The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

Table with columns: Wheat, Corn, Oats. Rows: Chicago, Kan. City. Columns: 1913, 1912.

Upturn in Hay Prices.

Fear that the late crops of alfalfa would be curtailed by continued dry weather and that tame hay would yield much less than expected caused growers to suspend shipments this past week, and prices rose \$1.50 to \$2.50 a ton. Alfalfa showed the greatest advance. Receipts the last week were about 275 cars compared with 245 cars in the preceding week, and 450 to 600 cars in the four weeks in May.

Kansas City Hay Quotations.

Table with columns: Hay type, Price. Rows: Prairie, choice, No. 1, No. 2, No. 3, Timothy, Clover, Alfalfa, standard, Alfalfa, No. 1, Alfalfa, No. 2, Alfalfa, No. 3, Straw, Packing hay.

Seeds.

Kafir corn, No. 2, white, \$1.17 a cwt; No. 3 white, \$1.14 a cwt; alfalfa, \$9@12 a cwt; flaxseed, \$1.11 a bushel; timothy, \$1.50@1.75 a bushel; cane seed, 80@95c; red top, 75@85c; millet seed, 80c@1.

Showers Favor Broomcorn Area.

In Oklahoma, Texas and some parts of Kansas where broom corn is the principal crop, good rains have fallen within the past week. The most favored points were in Oklahoma. This improved condition made no change in the immediate demand and prices were reported unchanged. Trade was quiet. Choice green, selfworking corn is quoted at \$80 to \$90 a ton; fair to good, \$45 to \$75; common, \$25 to \$40 a ton.

Produce Prices Now and One Year Ago.

Table with columns: 1913, 1912. Rows: Chicago, Kan. City. Items: Butter, Eggs, Hens.

Butter, Eggs and Poultry.

Elgin, June 23.—Butter this week is firm at 27 1/2 cents. Kansas City, June 23.—Prices this week on produce are: Eggs—Firsts, new white wood cases included, 17 1/2c a doz; seconds, 14c. Butter—Creamery, extras, 27c a lb.; firsts, 26c; seconds, 25c; packing stock, 21c. Live Poultry—Broilers, 1 1/2 to 2 lbs., 22@22 1/2c a lb.; under 1 1/2 lbs., 20c; spring chickens, 15@16c; hens, 12 1/2@13c; roosters, 10c; young turkeys and turkey hens, 15@16c; old toms, 12@14c; cull turkeys, 6@7c.

Vegetables and Fruit.

Potatoes—Old, carlots, 15@30c a bu.; new, small lots, \$1@1.20. Fruits—Blackberries, \$2.50@2.75 a crate. Cherries, \$1.40@2.00 a crate. Gooseberries, \$1.50@2.00 a crate. Peaches, \$1.00@1.15 per four-basket crate.

Cholera Serum Now First Grade

The process of obtaining hog cholera serum has recently undergone a change at some plants which it is believed will greatly increase its efficiency. Heretofore the blood of the hyper-immune hog, from which the serum is obtained, has been drawn off by bleeding at the tail. The bleeding was done at intervals, to allow the animal to replenish its blood supply between times. As a result there were different grades of serum, each successive bleeding being less potent. By the new method the hog is killed outright and all the blood drawn off, making the serum all of No. 1 strength.

WRITE US HAY ABOUT Your HAY C. E. SHOFTALL HAY & GRAIN CO. 605 Livestock Exchange, Kansas City, Mo.

## FARMERS CLASSIFIED PAGE.

Advertisements will be inserted in this department at the low price of 5 cents per word each insertion for one, two, or three insertions. Four or more insertions only 4 cents per word each insertion. Cash must invariably accompany the order. Remit by postoffice money order. No order taken for less than \$1. This does not mean that a single insertion of your ad must cost \$1, but that your total order must reach \$1. All advertisements set in uniform style. No display type or illustration admitted under this heading. Each number and initial letter counts as one word. Guaranteed circulation over 104,000 copies weekly. Everybody reads these little ads. Try a "Farmers Classified" ad for results.

### HORSES, CATTLE, HOGS, SHEEP.

REGISTERED Jersey bulls. Sable & White Stock Farm, Seward, Kan.

REGISTERED Shropshire rams, Duroc hogs, cheap. Arthur Bennett, Topeka, Kan.

TWO registered Holstein bulls, serviceable ages, choice ones, priced right. F. J. Searle, Oskaloosa, Kan.

FOR SALE—10 extra fine, Dec., Poland China hogs. Herd headers. Otis Warrenburg, Centralia, Kan.

REGISTERED Tamworth pigs, immuned from cholera, two months old, \$10.50. Howard Pendleton, Yukon, Okla.

SOME choice Jersey bulls that must be sold quick. Two nearly ready for service. Chester Thomas, Waterville, Kan.

FOR SALE—A four-year-old imported black Percheron stallion. A bargain and guaranteed. T. H. Smyth, Beloit, Kan.

CATTLE FOR SALE—Our cattle are selling readily to go to Kansas, Colorado, Nebraska and Iowa. We sold several thousand last week, but have the following list on hand now: 500 Southern cows 4 to 8 years old at \$37.50; 50 Southern natural milky cows at \$38.00; 300 Southern one and two-year-old heifers at \$32.50; 150 Southern one and two-year-old steers at \$24.00; 450 Southern three and four-year-old steers at \$32.00; 300 fat wintered three-year-old steers at \$45.00. (Or will weigh fat steers at \$6.) 265 Western, Durham and Angus two-year-old heifers \$48.00. We sell in car load lots at slightly higher price. These southern cattle are in good condition but not fat. All cattle are horned except the Western heifers, which are 90% muleys. We are on the Santa Fe railroad—freight rate to Kansas City or St. Joseph is 1 1/2 cents per hundred lbs. We furnish inspection certificates and load on board cars for shipments to any points. Can load cattle next morning that are purchased previous day. Wire us and we will meet you. Miller Bros., Bliss, Oklahoma.

### DOGS.

TWO thoroughbred Scotch collie bitches for sale. W. H. Smec, Zurich, Kan.

### SEEDS AND NURSERIES.

WHIPPOORWILL cowpeas recleaned and good seed \$2.25 per bu. Herman Ruppel, Inola, Okla.

TO EXCHANGE. A few peach, apple and pear orchards for farm land. What have you? Colorado Land & Investment Co., Fallsdale, Colo.

### FOR SALE.

LIVERY BARN and stock for sale. For particulars write Box 212, Richmond, Kan.

TRANSFER and storage business for sale in good town. Address N, care of Mail and Breeze.

THE Rocky Mountain Hog Cholera Preventive never known to fail. Address Fred Westervelt, Briggsdale, Colo.

FOR SALE—Blacksmith shop tools and material; for further information address D. L. Thompson, Burns, Kan., Marion Co.

20 H. P. International gasoline plow outfit, slightly used; easy terms; would consider first mtg. on land. Box 14, Winona, Kan.

ALFALFA—Samples and prices of native grown, non-irrigated "Acorn Brand" alfalfa seed. Ross Brothers Seed House, 301 E. Douglas, Wichita, Kan.

FOR SALE—Telephone system handling 190 phones in western Kansas. Must be sold by July 1st for what it will bring. Address D, care Mail and Breeze.

SINCE I have no use for it, I offer for sale one "Little Giant" wagon dump and grain elevator. New, never been used, at a sacrifice. Frank Weeks, Assaria, Kan.

FOR SALE—A cash grocery in a western Kansas town of 1,700. Send your name and learn how you can get all the information you want before investing any money. Address Owner, care Mail and Breeze.

### FOR SALE OR EXCHANGE.

LIST YOUR TRADES. Give complete description first letter. Frank King, Atlanta, Kan.

GOOD unimproved 160 on west line of Pawnee Co., Kan. Address Owner, Box 662, Larned, Kan.

FOR SALE OR TRADE. A new Parson engine fender \$40.00. Geo. Scheidegger, Humboldt, Neb.

A GOOD threshing outfit to trade for land. Also some nice irrigated land in the Laramie valley, Wyoming, to trade for land in Western Kansas. W. J. Trousdale, Newton, Kan.

FOR SALE OR TRADE—Best hardware proposition in Middle West, corner location town 25,000, long lease, sell all, or part to experienced man with position; would take 1/2 value in Kansas land. Address A, care Farmers Mail and Breeze.

FOR EXCHANGE—A fine irrigated farm in southern Col. Ample water, old ditch, fully paid up. Well located new improvements, in artesian belt, produces immense crops, never fails, a splendid stock country, a delightful climate, will stand the closest investigation. Want income, Kan or Mo. land. R. G. McCoy, owner, Formosa, Kan.

### LANDS.

45 ACRES, improved, four miles out, \$4,700. W. R. Axtell, 1352 Mulvane, Topeka.

FARMS in any state, for sale at a bargain. W. Broadus, Box 77, Leavenworth, Kan.

I HAVE in northwest Ark. choice fruit, poultry and stock farms cheap for cash. N. L. Arnold, Shirley, Ark.

SEND for map and illustrated description of Anderson county and free list of farms. Bronston & Sons, Garnett, Kan.

FOR SALE—40 acre improved farm, southern Mo. Price \$1,200. No trade, nor matrimony. Mrs. S. K. Frey, Alton, Mo.

WILL BUY 5 or 10 acre place southeast Kansas. Give full particulars, price, terms. 1012 North 8th, Independence, Kan.

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

FARMS WANTED in the West. What have you for sale? Address the Farmers Land Market, 323 Mermod Jacard Bldg., St. Louis.

IF YOU are looking for a bargain in north Missouri farms, between Chillicothe and Brookfield, write John Billington, Meadville, Mo.

WANTED—To hear from owner who has good farm for sale. Send description and price. Northwestern Business Agency, Minneapolis, Minn.

DELAWARE, the diamond state. New booklet; unusual opportunities; ideal homes. Fruit, or diversified farming. State Board of Agriculture, Dover, Del.

TEXAS STATE LANDS—\$1.50 to \$5.00 acre; one-fourth down, balance forty years; information and Texas map free. Journal Pub. Co., Houston, Texas.

FREE copy of Real Estate Bulletin describing over 100 farm bargains and thousands of acres unimproved land in Minnesota. E. Akerson, Lindstrom, Minnesota.

PAWNEE VALLEY STOCK FARM. Double Standard Polled and horned Herefords. 100 bulls, singly or car load lots. Write your wants. Wallace Libbey, Larned, Kan.

16 ACRES, house, barn, large stream water, good well, two producing oil wells. Fine for market garden. Partly fenced. One mile Peru. Mrs. Emma McCoy, 718 W. 10th St., Coffeyville, Kan.

IOWA FARM—client with 120 acre Iowa corn farm to trade for a farm in eastern Kansas or western Missouri; price \$100 per acre; mortgage \$3,000, due five years. Address Chandler Campbell, Hamburg, Ia.

GOVERNMENT LAND. Get 320 acres; we can tell you of most valuable locations for homesteads in Montana, Wyoming, Colorado; booklet "Western Homesteads," 4c stamps. Western Homesteaders Exchange, Douglas, Wyoming.

300 ACRE farm, joins city limits; 100 alfalfa, 100 acres wheat, balance timothy and clover and pasture; large 5-room dwelling, large barn, bins, crips, never failing water. Terms, address owner, Lock Box 496, Altoona, Kan.

PATENTED state school lands, McMullen county, Texas. Fine climate, fertile soil, \$15.00 per acre. Only \$1.00 per acre cash, balance 10 yearly payments. F. A. Conable, trustee, 516 Commercial Bank Bldg., Houston, Texas.

SAN LUIS VALLEY, Colorado, where it's cool. Government land, homesteads, desert claims, level, artesian wells, easily irrigated by pumping plants, cheap and sure water, fine grain and alfalfa land. Address Barton, Pierce Hotel, Denver, Colo.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 200,000 circulation guaranteed among best farmers in Kansas. Advertising rate only 5c a word. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

ALFALFA AND HAY RANCH, San Luis Valley, Colo. 800 acres all in crop. 2 sets improvements, artesian wells, fine water rights, 100 acres grain, 90 alfalfa, 500 fine hay land, 4 miles to railroad, sacrifice \$35.00 per acre, terms. Barton, Hotel Pierce, Denver, Colo.

80 ACRES improved, 60 acres plowed, bal. wild grass; lays very well. Price \$2,400.00; mortgage \$1,200.00; will carry small second back on farm. 160 acres improved, close good town, 10 acres alfalfa, 80 wild grass mow land, bal. corn and flax, new 5 room dwelling, small barn, 2 hen houses. Price \$6,400.00; mortgage \$2,600.00. Small amount of money will handle. Box 540, Melvern, Kan.

TEXAS LAND on 15 years' time. Farms in 20, 40, 80 and 160-acre tracts, north of Houston, in the famous southeast Texas Coast Country, at \$30 to \$35 an acre, selling on terms of \$1.50 an acre cash and balance in payments running 15 years. Possession at once. Railroad through land; store, postoffice and station. Fertile soil produces money-making staple crops of corn, cotton, potatoes, peanuts, cane, as well as truck and fruit crops that net \$100 to \$300 an acre. Mild climate; two crops a year; splendid hog and cattle country; pure water, ample rainfall, no irrigation needed; good markets. Greatest opportunity ever offered the renter, young men, those who want more land, and investors, to get a real farm—not a truck patch. Sale just opened. Write today for free maps, plats and illustrated literature. C. L. Peirce, Owner, 251 First Nat'l Bank Bldg., Houston Texas.

### LANDS.

280 ACRES 45 miles from Minneapolis, one mile from town; heavy soil; 160 acres under cultivation and into crop this year; balance pasture and meadow; can all be cultivated; good set buildings; 18 good milk cows, six horses, complete set farm machinery, hogs, chickens all this year's crop and everything goes at \$40 per acre; \$6,200 cash, balance can stand, 6% interest. Schwab Bros., 1023 Plymouth Bldg., Minneapolis, Minn.

### WANTED.

WANTED—A stock ranch or dairy farm, fully equipped, on shares or salary by a graduate of the Kansas Agricultural college who is an experienced farmer. Address J. S., care Mail and Breeze.

### HELP WANTED.

WILL PAY reliable woman \$250.00 for distributing 1000 free packages Perfumed Soap Powder in your town. No money required. M. B. Ward & Co., 218 Institute Pl., Chicago.

WILL PAY reliable man or woman \$12.50 to distribute 100 free pkgs. Perfumed Borax Soap Powder among friends. No money required. M. B. Ward Borax Co., 218 Institute, Chicago.

U. S. GOVERNMENT POSITIONS open to men and women. \$65 to \$100 month commences. Vacations. Steady work. Over 12,000 appointments this year. Parcel post requires several thousand. Influence unnecessary. Write immediately for free list of positions. Franklin Institute, Dept P 53, Rochester, N. Y.

### MALE HELP WANTED.

CITY MAIL CARRIERS—Postal clerks—wanted. Commence \$65.00 month. Apply Franklin Institute, Dept P 53, Rochester, N. Y.

\$15 TO \$45 per week. Chauffeurs and repair men secure steady employment. Let us tell you how. Denver Auto School, 768 Broadway, Denver, Colo.

WANTED. Reliable men to sell nursery stock. Outfit free. Liberal terms. Pay weekly. Experience unnecessary. Chanute Nurseries, Chanute, Kan.

WANTED—Postal clerk-carriers, postmasters, railway mail clerks, rural carriers, internal revenue clerks. Trial examination free. Write Ozment, 38, St. Louis.

SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas. Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

4TH CLASS postmaster positions now open to all. Examinations everywhere may be called any time. Full description of examinations free. Franklin Institute, Dept P 51, Rochester, N. Y.

WHEN IN NEED of harvest, farm, ranch hands, cooks, laborers, help of any kind, we can fill orders promptly. Make use of our guaranteed service and get results. Guarantee Employment Co., 430 East Douglas, Wichita, Kan.

YOUR opportunity to learn salesmanship quickly. We want ten more good men to act as special representatives in the best territory in Oklahoma and Kansas. Will pay extraordinarily liberal commissions to start. Send one bank reference with application. Address, Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

### AGENTS WANTED.

AGENTS. Our specialty sells on sight. Every family needs it. Send for free particulars. The Industrial Products Co., Topeka, Kan.

CAN USE a few old experienced salesmen for Oklahoma and Kansas to act as special representatives in good territory. Write Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

AGENTS, special representatives. Good money for live energetic salesman to sell the Turner Tubular Gasoline or Locust torch to farmers and ranch owners. Recommended by the Kansas State Agricultural college. Address: The Turner Brass Works, Sycamore, Illinois.

### SALESMEN WANTED.

SALESMEN WANTED in every county. Liberal terms; cash weekly. Outfit free. Write for terms. Fayetteville Nurseries, Dept. 2, Fayetteville, Arkansas.

### PATENTS.

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

MEN OF IDEAS and inventive ability should write for new "Lists of Needed Inventions," "Patent Buyers" and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Dept. 25, Washington, D. C.

### KODAKS AND SUPPLIES.

BUY kodaks and all supplies direct from A. B. Paine Co., Fort Scott, Kan., and save money. Twenty-eight years in this business. Catalogs free.

### AUTO SUPPLIES.

40% TO 75% saved on tires. Printed guarantee for 2,500 miles with every tire. Generally run 3,000 to 6,000 miles. Every tire re-made by hand, free from imperfections and blemishes of all kinds. Our prices, 28x3, \$6.87; 30x3, \$7.35; 30x3 1/2, \$10.46; 32x3 1/2, \$10.95; 34x4, \$14.90. All sizes. All makes. Write for free catalogue and price list. Give size used. Peerless Tire Co., 1588(C) Broadway, New York.

### OILS.

WRITE us for prices on oil and greases. Complete line; lowest prices; immediate shipments. The Neosho Valley Oil Co., Chanute, Kan.

### MISCELLANEOUS.

E. R. BOYNTON HAY CO., Kansas City, Mo. Receivers and shippers. Try us.

MISSOURI AUCTION SCHOOL, largest in world. Own largest living mule. 1494 Grand, Kansas City.

PLACES found for students to earn board and room. Dougherty's Business College, Topeka, Kan.

SOMETHING NEW. A dandruff remedy that makes good. Write for information. Leader Supply Co., Box 723, Dep. 5, Poplar Bluff, Mo.

THE ANDERSON LOADER, loads manure, cornstalks, stackbottoms, dirt, gravel, sand; no hand work. Write Anderson Mfg. Co., Osage City, Kan.

YOU GET A GOVERNMENT JOB. "Full" unnecessary. Thousands of appointments coming. List of positions free. Franklin Institute, Dept P 53, Rochester, N. Y.

HAVE YOU a little money to invest in a gilt-edge proposition that conforms to all the requirements of the Kansas Blue Sky Law; \$10 cash and \$5 per month? Write "Investor," 627 Quincy St., Topeka, Kan.

POULTRY MAGAZINE—Big 40 to 80 page illustrated magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 904 Jackson, Topeka, Kan.

YOU CAN SAVE 75% by getting your silver and china direct from the manufacturer. We give beautiful silver and china free with every order for \$1.00 or over. Write for particulars. 25c silver will bring you one of our guaranteed silver sugar shells. McCarthy & Co., Box 1698, Dept. 30, Paterson, N. J.

### LEGAL.

MEETING OF KANSAS GRAIN GRADING COMMISSION.

Notice is hereby given that under the provisions of Chapter 222 the board of grain grading commission will meet at the office of the Governor in Topeka, on the 29th day of July, 1913, and establish the grades of grain to be known as Kansas grades; to be in effect on and after the first day of August, 1913.

J. G. MAXWELL,  
THOMAS PAGE,  
A. T. RODGERS, Secretary,  
Grain Grading Commission.

### Bargains in Tires.

The National Tire Co. of Kansas City, an organization composed of several representative young business men, is prospecting in a new field of the tire industry. They are selling tires of world wide reputation direct to the farmer at dealer's prices. This organization has secured the exclusive agency for the famous G. & J. tires. They also make a specialty of "factory seconds." "Factory seconds" are in no wise like the ordinary seconds. They are in fact identical with the best guaranteed tires. The only difference being that the serial number has been slightly defaced in moulding the tires. This compels the manufacturer to put them out as "factory seconds." Don't overlook the advertisement of this company which appears on another page of this issue.

### Reorganization of Standard Stock Food Co.

The Standard Stock Food company, which has been in existence in Omaha for 25 years has re-incorporated under the name, "Standard Chemical Manufacturing Company." It is the understanding that the company will engage in a much broader field of manufacturing in the future than in the past. Mr. F. E. Sanburn, who is well known to the livestock men of the West, remains as president. In fact, no change is made in the personnel of the institution.

### A Good Remedy for Sick Hogs and Poultry.

Farmers Mail and Breeze readers are requested to turn to the livestock page and note the announcement of the Olphen Chemical Company of Wamego, Kan. These people manufacture a hog and poultry remedy which they guarantee to be of exceptional value in keeping poultry and hogs in good condition. Better get a bottle today and doctor up the ailing hogs and chickens.

H. F. Meiller of Minneapolis, Kan., advertises a milking machine in this week's issue of Farmers Mail and Breeze. It seems to be a practical machine for both large and small dairymen. If you are interested, write Mr. Meiller today for more information regarding the merit of this mechanical milker.

Husband and I both like the Mail and Breeze very much, and consider it a great help on the farm and in the home.—Mrs. Hattie Ellerbeck, Princeton, Kan.

# WHAT BREEDERS ARE DOING

**FRANK HOWARD,**  
Manager Livestock Department.

## FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kans.  
 John W. Johnson, 820 Lincoln St., Topeka, Kan.  
 N. W. Kansas and S. Nebraska.  
 C. H. Walker, N. E. Kansas, N. Missouri, 3632 Flora Ave., Kansas City, Mo.  
 Geo. W. Berry, N. Nebraska and W. Iowa, Capper Bldg., Topeka, Kans.  
 Harry W. Graham, E. Iowa and Illinois, Chillicothe, Mo.  
 Ed R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kans.

## 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.

### Poland China Hogs.

- Aug. 12—H. Fesenmeyer, Clarinda, Ia.
- Aug. 13—John B. Lawson, Clarinda, Ia.
- Aug. 13—J. W. Pfander & Sons, Clarinda, Ia.
- Sept. 5—Jas. T. Ellis, Adrian, Mo.
- Oct. 1—D. C. Lonergan, Florence, Neb.
- Sept. 6—J. C. Stalter, Jasper, Mo.
- Sept. 17—L. R. McClarnon, Braddyville, Ia.
- Oct. 21—H. B. Walter, Effingham, Kan.
- Oct. 15—R. B. Davis, Hiawatha, Kan.
- Oct. 16—J. M. Nesbitt, Aledo, Ill.
- Oct. 17—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
- Oct. 18—Lambert Bros., Smith Center, Kan.
- Oct. 20—Roy Johnston, South Mound, Kan.
- Oct. 22—H. C. Graner, Lancaster, Kan.
- Oct. 23—Deming Ranch, Oswego, Kan.
- Oct. 25—U. S. Byrne, Saxton, Mo.
- Oct. 25—J. H. Hamilton & Son, Guide Rock, Neb.
- Oct. 25—J. W. Leeper, Norton, Kan.
- Oct. 28—W. R. Webb, Bendena, Kan.
- Oct. 28—Joe Hemmy, Hill City, Kan.
- Oct. 29—Walter Hildwein, Fairview, Kan.
- Oct. 30—Harry Wales, Peculiar, Mo.
- Oct. 30—Merton Williams, Valley Falls, Ka.
- Nov. 1—John Belcher, Raymore, Mo.
- Nov. 3—Joe Schneider, Nortonville, Kan.
- Nov. 5—R. B. Davis, Hiawatha, Kan.
- Nov. 6—W. E. Epley, Diller, Neb.
- Nov. 7—U. S. Byrne, Saxton, Mo.
- Nov. 8—John Naiman, Alexandria, Neb., at Hebron, Neb.
- Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.
- Feb. 10—H. B. Walter, Effingham, Kan.
- Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
- Feb. 13—J. E. Willis, Prairie View, Kan.
- Feb. 13—W. E. Epley, Diller, Neb.
- Feb. 14—J. F. Foley, Orinogue, Kan.
- Feb. 17—L. E. Klein, Zeandale, Kan.
- Feb. 18—J. H. Harter, Westmoreland, Kan.
- Feb. 19—J. L. Griffiths, Riley, Kan.
- Feb. 24—M. T. Shields, Lebanon, Kan.
- Feb. 27—W. A. Davidson, Simpson, Kan.

### Duroc-Jersey Hogs.

- Oct. 17—Moser & Filtzwater, Goff, Kan.
- Oct. 30—A. T. Cross, Guide Rock, Neb.
- Oct. 31—A. M. Rinehart & Son, Smith Center, Kan.
- Nov. 1—N. B. Price, Mankato, Kan.
- Nov. 5—W. E. Monasmith, Formoso, Kan.
- Nov. 7—Leon Carter, Asherville, Kan.
- Jan. 23—J. J. Hartman, Elmo, Kan.
- Jan. 28—W. E. Monasmith, Formoso, Kan.
- Jan. 29—N. B. Price, Mankato, Kan.
- Jan. 30—Geo. P. Phillippi, Lebanon, Kan.
- Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.
- Feb. 4—Moser & Filtzwater, Goff, Kan.
- Feb. 5—Samuelson Bros., Cleburne, Kan.
- Feb. 6—Leon Carter, Asherville, Kan.
- Feb. 7—E. G. Munsell, Herington, Kan.
- Feb. 9—E. A. Trump, Formoso, Kan.
- Feb. 10—Agricultural College, Manhattan, Kan.
- Feb. 11—Thompson Bros., Garrison, Kan.
- Feb. 20—John Emigh, Formoso, Kan.
- Feb. 21—Dana D. Shuck, Burr Oak, Kan.
- Feb. 25—A. T. Cross, Guide Rock, Neb.

### O. I. C. Hogs.

- Feb. 18—H. L. Bode, Friend, Neb.
- Feb. 19—Chas. H. Murray, Friend, Neb.

### Shorthorn Cattle.

- Oct. 14—C. J. McMasters, Altona, Ill.

### Aberdeen Angus Cattle.

- Oct. 22—W. F. Eckles, Green City, Mo.

### Hereford Cattle.

- Dec. 30-31—Mousel Bros., Cambridge, Neb.
- Feb. 12-13—Nebraska Hereford Breeders' association, at Grand Island, Neb.

Dr. J. H. Lomax of St. Joseph, Mo., whose farm is at Leona, Kan., recently bought in the McCarty sale at Hannibal, Mo., the great Jersey bull, Brighton Lad, paying \$530. This bull is one of the best of the breed, is a great show animal and a great breeder. He is a 90

per cent heifer breeder and in the McCarty herd got 20 heifers out of 24 calves. This makes the Lomax herd one of the best in the West. The big type Poland Chinas are also doing nicely and are being prepared for the public sale this fall. The date will be announced later.

Wm. J. Tod of Maple Hill, Kan., recently sold 200 head of heifers on the Kansas City market at prices ranging from \$8.15 to \$8.45 per hundred pounds. They were Panhandle Texas raised, out of fairly good Panhandle cows and sired by purebred Hereford bulls. Mr. Tod shipped these heifers to his Maple Hill ranch about the middle of last November. Up to that time they had been following their mothers. He put them on an alfalfa and 5 pound, daily, grain ration, the grain being gradually increased until during the last few weeks of the feeding period they were eating 12 pounds per day. They were on feed six months and made a gain of slightly over 300 pounds per head. The value of the purebred sire is very apparent in this case.

The north central Kansas county fair circuit starts at Stockton, Kan. (Rooks county) the second week in September, Sylvan Grove (Lincoln county), third week in September, Minneapolis (Ottawa county) the last week in September and the first week of October the big Mitchell county fair will be in full swing at Beloit, as usual. This circuit has been advocated by Senator E. C. Logan, secretary of the Mitchell County fair. It is a good thing for all of the fairs interested and will add greatly to the attendance and the exhibits at all of the fairs. All the counties interested are good fine stock counties and have been holding successful fairs for several years. The combining of their efforts in arranging to make it more convenient for exhibitors is sure to result in bigger and better fairs for all of them. Senator Logan is highly elated with the prospects and says that there are lots of new exhibitors going out with herds this fall if the crop conditions continue as favorable as they are now.

H. C. Lookabaugh, Watonga, Okla., has recently bought an imported bull to head his Shorthorn herd and one of the finest senior yearling boars raised in Nebraska recently to head his big type Poland China hogs. Mr. Lookabaugh is one of the largest ranchers and stockmen in Oklahoma. His Shorthorn herd is not only the largest herd in Oklahoma, but is one of the especially good herds in the great Southwest. Mr. Lookabaugh will show at Topeka, Hutchinson and Pueblo this year, and his show herd will be stronger than ever before. In a recent letter, Mr. Lookabaugh says that one of his bulls, a 14th of April yearling, "weighs a little over 1,200 pounds and is just as wide as a house, providing the house is not too big." One of the younger bulls in the show herd is by a son of Searchlight and out of an Avondale cow. This calf looks very much like the noted show bull, Pride of Albion. Both of these young bulls will no doubt take high rank in the shows this season. The recent addition to the Poland China herd was bred by Tim Neuhofer of Nebraska. His sire, A Wonder's Price, is one of the great sons of Fesenmeyer's A Wonder; his dam, Thickset 6th, by Long Wonder, is one of the best sows in Mr. Neuhofer's herd.

Northeast Kansas, rich in purebred herds of Poland Chinas, can boast of few the equal of the Majestic herd, owned by M. T. Williams of Valley Falls. Mr. Williams's farm is ideally situated for the breeding and raising of pure bred hogs. An instance of the natural adaptability of the farm to the hog raising industry is found in the location of Mr. Williams's hog house. It is 60 feet long and faces a row of giant maple trees which act as a windbreak in the winter and shade in summer. The hog house contains 10 pens 10 feet by 10, with pens outside of same size. Both outside and inside pens, with 4-foot alley, are cemented. It af-

fords an ideal place for summer and fall farrow and is protected in winter. A never-failing spring has been piped to the house and good clear, clean water is available at all times. We visited Mr. Williams on a hot, dusty day and the hog house was the coolest spot we found. The Polands could not help but improve under such conditions. One of the reasons why the Williams herd is a good one is Mammoth Ideal, the herd boar. He is by Hadley Golddust, by Big Hadley, and out of a dam by Major M. He embodies most all the essentials of the perfect big hog. He is deep and long, full in the heart, great spring of rib, deep of ham, fine feet and legs and a massive fellow. Better still he is siring them that way and Mr. Williams has a fine lot of early spring pigs by him this year. Assisting him in the herd is Expansive B, by Expansive, out of Surprised B, the great Walter sow. The herd sows are by Judge Taft, Guy's Monarch, Long's Mogul, Sampson Chief, Mogul, Jr., and Chief Grand Look. Mr. Williams's sales have always been among the best held and he has a reputation for selling only the best stock.

## S. W. Kansas and Oklahoma

BY A. B. HUNTER.

R. C. Watson of Altoona, Kan., is changing the date of his Duroc-Jersey advertisement with this issue. Mr. Watson is making a specialty of strictly high class pigs. He writes that his hogs are in fine condition, having plenty of alfalfa and clover pasture with grain and slop ration. The blood lines represented in the Walnut Grove herd are good as can be found in any herd in the country. Look up the advertisement and write, mentioning Farmers Mail and Breeze.

### McCarthy's Durocs.

Dan McCarthy, Newton, Kan., is offering some bargains in Duroc boars. Two October boars worthy of special mention are J. R.'s Col, by Graduate Col. They should be used by some man that wants to breed for a lighter ear and fancier head. Mr. McCarthy is also offering a great breeding boar, Tattler, by Tattarax. This hog is worthy of a good home. Write your wants today, mentioning this paper.

### Smith's Duroc-Jerseys.

J. R. Smith, Newton, Kan., is making attractive prices on a few fall boars, grandsons of the great Graduate Col. He also offers a good son of the champion Tattarax that has proven himself a sire of much merit. He also offers a grandson of Tattarax out of Goldie Lass, by Uneedme. If you want a spring boar of fashionable breeding, don't wait, but place your order soon, as the best go first. Write today, mentioning this paper.

### Grannetta's Colossus—Last Chance.

Thomas Murphy & Sons, Corbin, Kan., can supply you with large type Poland China breeding stock. Mr. Murphy has been in the purebred business for years and has developed a type of hogs that combine large scale and extra quality. His great boar, Grannetta's Colossus, is a sire of unusual merit. He is by the 1,000 pound Colossus and his dam Grannetta, by Old Expansion, raised 22 pigs the year she was 8 years old. She was a litter sister to Ben Bell's great boar Bell Metal. Grannetta's Colossus has proven himself a great sire by the wonderful breeding quality of his daughters and to use on these sows no better cross could be made than by using the very sire. Mr. Murphy & Sons have used, Last Chance 44439, by Oakland Prospect and Last of Lady Price, by Hadley Jr.'s Son. Last Chance is a hog that weighs 900 pounds in only ordinary breeding condition. He is unusually smooth and fancy, and at 6 years old is without a wrinkle on a crease. He is as active as a pig and stands on his toes like a dancing girl in slippers. Murphy & Sons are making prices on yearling sows by this cross, due to farrow in August and September. Also choice boars and gilts by Last Chance. Write today for full particulars, mentioning this paper.

## N. W. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

### Poland Chinas at Private Sale.

While we were at Agenda last week we visited the herd of Joe Beneda which was founded two years ago. Mr. Beneda is a thrifty young farmer. He has 40 spring pigs of March farrow that are as good as any we have seen this spring. They were sired by two herd boars owned by Mr. Beneda. One is a son of C. H. Pilcher's Beneda, Conqueror that has won first herd boar, sweepstakes four times. The other herd boar is Jumbo's Prospect, sired by Jumbo Jr. The sows in the herd are a well known big type strains and are a choice lot. Mr. Beneda is a young man that is sure to make a success of the Poland China breeding business because he believes in giving the business his attention and because he takes the best of care of his stock and is a careful student of the business. He is going to have some choice young boars for sale this summer and fall. He will not make a public sale but will sell them at private sale and only the tops will be offered. His advertisement will start in Farmers Mail and Breeze soon.

### Size and Quality Polands.

W. A. Davidson, Simpson, Kan., is well known as a Poland China breeder who has done much to promote the interests of his favorite breed of hogs. He is a progressive, up-to-date farmer and stock raiser. He owns one of the best improved farms on the valley and his equipment for raising hogs is perfect. He is in the market for some choice fall or early spring gilts.

He has about 40 spring pigs already and is developing a young herd-boar that will prove an attraction in any herd. Mr. Davidson will have nothing in his herd that does not have sufficient size and quality. He is a strong advocate of lots of quality along with size. Poland China breeders everywhere will be glad to know that "Wid" Davidson is well lined up in the business again and that he is going into the business more extensively than ever. He has claimed February 27 as the date of his bred sow sale which will be held at the farm. He will have some choice March and April boars for sale but will not likely hold a fall sale—but will sell them at private sale. His advertisement will appear in Farmers Mail and Breeze later on and we will have more information about his herd and what he has for sale.

### Pilcher's Prize Winning Polands.

Glasco, Kan., is one of the best known centers in the West for medium type Poland Chinas. C. H. Pilcher of that place was visited one day last week and the writer enjoyed a good visit and good dinner with Mr. Pilcher and his family. Mr. Pilcher's spring crop of pigs is not as large a point of numbers as usual but what he has (about 45 head) are the best lot of spring pigs he has ever raised and he has raised some mighty good ones. Most of them are by Bulck 21, by Conformation and his dam was Choice Goods, by First Choice, by Grand Chief. Most of the dams of these pigs are by Conqueror and the cross has proven a great success. Conqueror is now 6 years old and in good condition as an individual and as a breeder. He is well known as the show boar that Mr. Pilcher has won honors with everywhere he has been shown. Four times first and sweepstakes at the Cloud county fair and the same honors at the Mitchell county fair and also at the Ottawa county fair. At the state fair at Topeka two years ago he won second and was considered by many the best hog by far that was on the ground. Mr. Pilcher's herd is one of quality through and through and while he is maintaining size in his herd he is at the same time making an effort to maintain the quality that he has always advocated and that is advocated by the Poland China breeders of that section. If you are going to buy a boar or some gilts this fall write Mr. Pilcher for descriptions. His advertising will be found in Farmers Mail and Breeze a little later.

### Great Herd Nebraska Durocs.

F. C. Crocker, Filley, Neb., is very likely the most extensive breeder of registered Duroc-Jerseys in Nebraska. He has over 450 head, 240 of which are March and April pigs and for sale. He will not make a sale but will sell them at private treaty. Mr. Crocker has adopted the plan of shipping on approval. That is, he does not expect any money until the buyer has received the animal and had time to unload him and examine him closely. Then if animal is not as represented and all right in every way, he can return him to Mr. Crocker. Mr. Crocker conducted his last sale in this manner. No money down until the animal was received and approved.



F. C. Crocker.

Crocker is a well known authority on swine culture, is the president of the Nebraska Swine Breeders' association, and was recently appointed by the governor, as a member of the newly created state livestock sanitary board. Some of the best known sires are in service in his herd. For summer and fall breeding he is using Ben Davis, the first prize boar at the Nebraska State Fair two years ago. La Robette's Last, an Iowa State Fair winner, is the sire of 40 per cent of the spring pigs. Vanquisher, a winner at the Nebraska State Fair, is considered one of the very best Kant Be Beat boars ever raised in Nebraska and is doing valuable service in this herd. The sow herd represents prize winning sires and dams and is without doubt one of the strongest lineups of sows in the West.

## N. E. Kansas and N. Missouri

BY C. H. WALKER.

J. H. Neef, Boonville, Mo., is offering pigs, pairs and trios not related; a few sows and last fall gilts bred for summer and fall farrow; seed wheat of the Turkey Red, Harvest King and Early Ripe varieties; seed rye and Scotch collie puppies

## Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—We have had very good results from the advertising. Yours very truly,  
R. B. BEARD,  
Real Estate Dealer.  
Muskogee, Okla., April 25, 1913.

Farmers Mail and Breeze, Topeka, Kan. Dear Sirs—I ought to have written you some time ago but I have received so many inquiries and orders the last two weeks that I have hardly had a good night's rest. I have only a few sow pigs left. Mr. Shields, a large farmer and stock raiser of Valley Falls, Kan., came up Tuesday, June 10, and bought 10 head. I also have received four orders from different parts of Oklahoma for boar pigs that I will ship Monday that will make 14 head I have sold this week, through Farmers Mail and Breeze. I have been receiving on an average of four inquiries a day. Thanking you for your accommodation, I am  
Yours truly,  
HOWARD R. AMES,  
Breeder of Poland Chinas.  
Maple Hill, June 12, 1913.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

## A HUMANE REMEDY

For Sick Hogs and Poultry.  
F. S. H. is not a violent Poison.  
It is a Worm Exterminator.  
A Health Restorative.  
Will refund your money if it is not the best Remedy of all.  
Price \$1.00 Pr. Bottle Postpaid.  
Enough for 30 Hogs or 6,000 Chickens.  
Register No. 2136, Kansas State Agricultural College, Manhattan, Kansas.  
References, "First National Bank," "Wamego State Bank."

**THE OLEPHEN CHEMICAL CO.**  
WAMEGO, KANSAS.

LIVESTOCK AUCTIONEERS.

COL. T. E. GORDON, WATERVILLE, KANSAS. Livestock Auctioneer. Write for open dates.

L. J. Calloway, Lebanon, Kansas. Livestock Auctioneer. Write or phone for dates.

Jas. T. McCulloch, Clay Center, Kan. Reference: The breeders I am selling for every year. Write for open dates.

L. R. BRADY Manhattan, Kansas. Livestock Auctioneer. Write or wire for dates.

JAS. W. SPARKS Live Stock Auctioneer MARSHALL, MO.

Will Myers Beloit, Kan. Is already booked on leading breeders' sales in Central Kan. Choice dates still open. Write or wire.

CHAS. M. SCOTT Livestock Auctioneer. Thoroughly posted on pedigrees and values. Formerly of Scott & Singer, Poland China breeders. Hiawatha, Kan.

John D. Snyder HUTCHINSON, KANSAS. LIVE STOCK AUCTIONEER. Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

Col. N. B. PRICE Mankato, Kan. LIVESTOCK AUCTIONEER. Phone or write for dates. Bonney K. heads my Duroc-Jersey herd.

G. A. Drybread The Auctioneer Elk City, Kan. Live Stock and Farm Sales made anywhere. Prices reasonable. Give me a trial. Satisfaction guaranteed.

N. S. HOYT, Mankato, Kan. Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

FRANK J. ZAUN FINE STOCK AUCTIONEER Independence, Mo., Bell Phone 675 Ind. My References: America's best breeders for whom I have been selling for years. Get Zaun He Knows How

Be an Auctioneer

Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages. Write today for big, free catalogue of Home Study Course, as well as the Actual Practice School, which opens August 4th.

MISSOURI AUCTION SCHOOL Largest in the World. W. B. Carpenter, Pres. 1400-04 Grand Ave., Kansas City, Mo.

HEREFORDS.

KLAUS BROS.' HEREFORDS

Two choice yearling bulls, herd headers for sale, sired by Fulfiller 3rd, Fulfiller 25th and Beau Onward. Our calf crop is the best we ever had. KLAUS BROTHERS, BENDENA, KANSAS.

RED POLLED CATTLE.

Foster's Red Polls

Write for prices on breeding stock. C. E. FOSTER, R. R. 4, Eldorado, Kansas.

Red Poll Females

of all ages, choice individuals, show animals, priced to sell. A few choice bulls, also Duroc-Jersey swine, sows and gilts, bred for early fall farrow. Boars any age by our choice herd boars. Ask for testimonials. GEO. W. SCHWAB, CLAY CENTER, NEB.

HOLSTEINS.

Bonnie Brae Holsteins

For sale, about 80 head of high grade young cows, 2-year-olds and bred yearlings. These cattle are strictly first class, with many heavy springers. Come and see them. IRA ROMIG, Sta. B, TOPEKA, KANSAS.

POLLED DURHAMS.

Polled Durham Bulls

Six well bred young bulls and a limited number of cows and heifers for sale. C. M. HOWARD, HAMMOND, KANSAS.

SHORTHORNS.

Six Shorthorn Bulls

Fifteen months old, sired by Armor Prince 6th and out of cows sired by Vice President. Priced to sell. A. H. COOPER, Natoma, Kansas

Glenwood Farms Announce

Shorthorn Sale, bulls and cows, June 6, 1913. Can spare no more bred sows. Have a few choice boars left. Plenty of Shorthorns, always. We build the most complete concrete silo yet offered the public. Have several on our place. They are a success. Write for particulars. Address, C. S. NEVIUS, CHILES, KAN.

10 High Class Scotch and Scotch Topped Shorthorn Cows

of dairy quality, for sale, also two extra fine 10-months-old bulls. One by Baron Cumberland, the other, a show prospect, by Silk Goods. DR. W. C. HARKEY, Lenexa, Kan.

for sale. The Riverside Farms at Boonville have the distinction of being the home of nothing but purebred stock of any kind, and J. H. Neef, the proprietor, enjoys a great mail order business on all classes of grain and livestock. Write him for prices and description of what he has to sell.

Hildwein's Poland Chinas.

Walter Hildwein of Fairview, Kan., has been before the public for a good many years and is well known as a breeder of big type Poland Chinas. He has gone along in his modest way, breeding the kind that go into other herds and give the best of satisfaction—has left it to the class of stock he produces to build his reputation. And they have done it. Breeders and farmers have come to know that Poland Chinas bought of Walter Hildwein will prove out and that is the reason he has made a success of the business. This year, while the herd is not extra large, it is probably the best Mr. Hildwein has brought out. The spring pig crop will number well over the half hundred mark and they are getting especial care. Sired by Wonder Ex., by Sampson Chief and Gold Standard Jr., by Gold Standard, he by Chief Goldust and out of sows by Gold Metal, Big Hadley's Likeness, Banner Boy, King Mastodon 2d, etc., they have the advantage of rich pedigrees, which with the care they are receiving will make good individuals. Besides the spring pigs Mr. Hildwein has a few extra choice fall pigs which will make up his offering for fall, the sale this year coming on October 29. Breeders or farmers in the market for good, dependable breeding stock should get in touch with the Hildwein brand. Correspondence is solicited and visitors at the farm welcome. Write him per his announcement in this and later issues.

Dean's Immune Mastodons.

It seems to the writer that the breeder who goes to the trouble and expense to make his herd good, not only in breeding and individual merit, but in the matter of health, deserves a great deal of consideration from the buying public over and above what is accorded the man who does not do this. Clarence Dean of Weston, Mo., is one of the Missouri breeders who believes in doing everything possible to give his customers the advantage of healthy, thrifty hogs. He keeps his herd immune from cholera and each year gives the new crop of pigs the double treatment. Mr. Dean was one of the first in his section to take up the vaccination and since that time a great many of his neighbors, seeing the advantage of it have followed suit. Mr. Dean says that he has a neighbor who owns something like 500 acres of the best land in his county that has been buying his meat the past two years. The Dean herd this year is better than ever. The spring crop of pigs numbers upwards of 100 and they are the same big, stretchy, heavy boned kind as usual. Mastodon Price is looking and breeding better than ever and Gritter's Longfellow 3d is coming into his own as one of the breed's good sires. The Dean sow herd is, as usual, one of the best in the country and taken all in all this should be Mr. Dean's best year. Buyers get full value received when buying from this herd—good hogs of the best breeding plus healthy, thrifty ones. Mr. Dean is booking orders now for immediate and future delivery and can supply the trade in boars and gilts that will suit. Write him and kindly mention this paper.

Iles Farm Duroc-Jerseys.

In laying the foundation for his herd of Duroc-Jerseys R. C. Iles of Everest, Kan., bought of the best and as a result of this right start has today the making of one of the state's top herds. In a great many instances he bought stock that was good enough to win in the show rings at the state fairs and he is planning on taking out a show herd next year. Quite a few of the good foundation animals were bought from the Bush herd at Marshall, Mo., and included the boar, Kansas King 129011, a son of Mission Model and out of Model Queen. This boar was shown by Mr. Bush and was first at the Saline county fair and at Sedalia. Three sisters, by Western Wonder Jr., and prize winners in the Bush herd are producing the right kind for Mr. Iles. Aside from these he has daughters of Mission Model, Col. I Am and other good sires. Recently he purchased from the Moser & Fitzwater herd of Goff, Kan., six December gilts, by Smiler and out of King of Cols. 2d sows, also the boar, Iles' Wonder 13397, by M. & F.'s Wonder and out of a Hammond Pride sow. This is the making of a good, big, stretchy herd and is being brought along for use this fall. Another good buy was the purchase of six January gilts, by Red Boy, a son of the champion Tatarax and out of sows by the champion B. & C.'s Col. and Kant's Model. These were secured from the Anderson herd at Manhattan. Mr. Iles has about 60 head of spring pigs and he is offering the tops of these at private treaty. He will hold no sale this year and will cull his herd close, so that those who buy from him may rest assured that they will get the very best. These pigs are of the right sort and will please. Write Mr. Iles your wants and kindly mention the Farmers Mail and Breeze.

E. Iowa and Illinois

BY HARRY W. GRAHAM.

Mr. J. M. Nesbitt of Aledo, Ill., breeder of the big type Poland Chinas, is announcing his next sale date as October 16. He is reserving all his spring crop of pigs for this sale and will later on select about 60 of the tops for the offering. There will be litters by Big Orange, Mastodon Chief, Black Rock, Young Lumbo, Stand Pat and Big Miller. Mr. Nesbitt is one of the leading breeders in Illinois.

Galloway Farms Dairy Cattle Sale.

A big crowd greeted Auctioneer D. L. Perry as he opened the sale of Holsteins and Ayrshires at the William Galloway Farms last Thursday. There were people there from several states and a large local attendance, but the prices secured were not as much as was expected. This may be partially explained by the manner in which the sale was conducted. Being illly advised Mr. Galloway undertook to alternate the two breeds of cattle throughout the sale, so that the effect of a sale of an animal of

ABERDEEN-ANGUS.

DENTON'S Angus Bulls all sold but a fine lot coming on for fall trade. Write your wants. W. G. DENTON, DENTON, KANSAS

ANGUS CATTLE

Bulls and females for sale; singly or in carload lots. Address SUTTON & PORTEOUS Lawrence, Kan.

GALLOWAYS.

G. E. CLARE. W. W. DUNHAM. CAPITAL VIEW GALLOWAYS. 12 Miles West of Topeka. Can furnish car of good bulls ranging in ages from calves to 2-yr.-olds. Can suit your wants. Write CAPITAL VIEW RANCH, Silver Lake, Kan.

GALLOWAY CATTLE and OXFORD DOWN SHEEP

Imported and home-bred, absolutely equal to the best. C. S. HECHTNER, Box 66, Chariton, Iowa

DAIRY CATTLE.

THREE Registered Jersey bull calves, 3 to 6 months old; your choice \$30; best strains. B. SALISBURY, TESCOTT, KAN.

HOLSTEINS FOR SALE 80 head registered heifers and large bulls. 88 head milking and coming fresh grade heifers and cows. M. P. KNUDSEN, Concordia, Kansas

ENTIRE DAIRY HERD FOR SALE!

18 Holsteins, balance Jerseys and Shorthorns. Most of them will freshen this fall. \$60.00 per head, \$1.00 per head commission. JACK HANDEL, 215 Adams St., Topeka, Kan.

Holstein Bred Cows and Heifers

"EIGHTY HEAD" Choice individuals personally selected, Wisconsin bred, tuberculin tested, pure bred, unrecorded and high grade females, recorded bulls. Grade bull and heifer calves. ARNOLD & BRADY, Manhattan, Kansas.

HOLSTEINS - CHOICE BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

OAK HILL HOLSTEINS

Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested. BEN SCHNEIDER, NORTONVILLE, KAN.

BANKS' FARM JERSEYS

Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX, imported, at head of herd. Stock for sale. W. N. BANKS, Independence, Kan.

Register of Merit Bull—Jersey

Year old. Solid fawn. Son of Flora's Golden Fern, 4 in R. of M. Dan Sullivan's Beauty, 512 lbs., 1 year, when 28 months old. \$100.00. Bargain cannot be equalled. R. J. LINSOTT, Holton, Kansas

JACKS AND JENNETS.

FOR SALE OR EXCHANGE

Yearling, Mammoth, Jack; good individual, heavy bone, long ears, black with mealy points. Price \$300. MOTT & KOHLER, HERINGTON, KAN.

PUREBRED HORSES.

Truman's Pioneer Stud Farm America's Largest Importers

Shire, Percheron and Belgian Horses Write for Illustrated Catalogue. TRUMAN'S, Box E, BUSHNELL, ILLINOIS

PERCHERONS—

at breeder's prices. Eleven home-grown 3 yr. stallions, exact wt. 1740 to 2060 lbs. Sound and with bone to spare. June 25th these and youngsters for sale. The biggest Percherons pay you best. Trains direct from Kansas City and St. Joe.

FRED CHANDLER R. 7, CHARITON, IOWA

MULE FOOT HOGS.

Mule-Footed Hogs The coming hogs of America; hardy; resist disease; the best rustlers known; pigs ten to sixteen weeks old, \$30 pair. Circular free. DR. W. J. CONNER, LABETTE KANSAS.

Mule Foot Hogs Bred gilts for spring farrows all old. Some choice boars for sale. Am now booking orders for pigs of February and March farrow, in pairs not related. ZENE G. HADLEY, Box D, Wilmington, Ohio

Oldenburg German Coach Horses

We are the oldest and largest breeders of the Oldenburg German Coach west of the Mississippi River. Our 1912 winnings at the leading western shows exceeded those of any other individual horse exhibitor. We have stallions and mares of serviceable ages for sale. Write us. JOS. WEAR & SON, Barnard, Kan.

60-Bergner & Sons' Coach Horses-60

German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon 3159 and the Kansas State Fair prize winner Mephistoles 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon. J. C. BERGNER & SONS, Waldoock Ranch, PRATT, KANSAS.

BERKSHIRES.

LEON A. WAIT'S Berkshires A good herd at Winfield, Kan., headed by Lord Duke 3d, 132892.

Hazlewood's Berkshires! Choice spring boars and gilts priced to sell. Write today. W. O. Hazlewood, R. 8, Wichita, Kansas

New York Valley Berkshires

80 gilts bred for August and September farrow. Some show prospects in open gilts and boars ready for service. 75 pigs, either sex, ready for shipment in May and June. J. T. Bayer, Yates Center, Kan.

Bred Berkshire Sows

25 head of young tried sows, representing the best Robinhood strains and bred for May and June litters to Ajax, a son of Rival's Lord Premier and Longfellow's Duchess 4th. These are extra good and are priced to sell. They won't last long. Write at once. W. J. GRIST, Ozawie, Kan.

HAMPSHIRE.

WRITE J. F. PRICE, Medora, Kans. For prices on Pedigreed Hampshire Hogs

REGISTERED HAMPSHIRE

Well Bred Well Bred SUNNY SLOPE FARM. Frank H. Parks, Prop., Olathe, Kan.

Pedigreed Hampshires of various ages. Boars at weaning time only. Every hog properly vaccinated. C. E. Lowry, Oxford, Kan.

Pure Bred Hampshires

Noms extra choice, well-bred spring boar pigs for sale. ALVIN LONG, Lyons, Kansas.

CLOVERDALE HAMPSHIRE!

Special prices for thirty days only. Open and bred gilts. Spring pigs in pairs and trios, sired by my FOUR herd boars. T. W. LAVEROCK, PRINCETON, KANSAS.

O. I. C. SWINE.

O.I.C. Boar Pigs HARRY HAYNES, Meriden, Kansas.

Maple Leaf Improved Chester Whites All ages, the round—priced to sell. R. W. GAGE, Garnett, Kan.

GOOKIN'S O. I. C. HOGS. Booking orders for different boars, out of sows not akin. Priced to sell. F. C. GOOKIN, RUSSELL, KANSAS.

RUSSELL'S O. I. C.'s February and March pigs ready for shipment. The large prolific type. Satisfaction guaranteed. H. E. RUSSELL, Sedgwick, Kan.

25 O. I. C. FALL BOARS

For sale. Write for prices and descriptions. CHAS. H. MURRAY, FRIEND, NEBRASKA

50 O. I. C. Pigs for Sale

Sired by my leading herd boars. Also two nice gilts bred for Aug. farrow. Write for prices and descriptions. Andrew Kosar, Glasco, Kan.

NEEF'S CHOLERA IMMUNE O. I. C.'s

Spring pigs of either sex in pairs and trios no kin. Also tried sows and fall gilts bred fall farrow. Pure bred seed wheat, seed rye and Collie pups for sale. Riverside Farms, J. H. Neef, Boonville, Mo.

DUROC-JERSEYS.

Good E. Nuff Again King 35203

Heads our great herd. Sale average: March 11, sows, \$77.50, sows and gilts, \$62.00. Write for prices. W. W. OTEY & SONS, Winfield, Kansas

HILLSIDE HERD

We offer spring pigs by Dandy Model 131735, pairs and trios not related. Write today about that young boar you need now. One 185-pound pig by J. R. Col. and a good one. W. A. Wood & Son, Elm Dale, Kansas.

Big-Type DUROCS

Fall gilts bred or open. Booking orders for spring stock. Monarch, Wonder, Col. and Buddy strains. Fall sale Oct. 17. MOSER & FITZWATER, GOFF, KANSAS

Dreamland Colonel

Summer and fall boars and gilts for sale. Everything immune. Nothing but desirable animals offered. Prices reasonable. LEON CARTER, Asherville, Kan.



**DUROC-JERSEYS.**

**Duroc March Pigs \$9.00** and up, by Model Agent, Long Lad and Tatarax Boy. R. W. Baldwin, Conway, Kan.

**E. A. TRUMP, Formoso, Kan.**  
Breeder of fashionable Duroc-Jerseys  
Stock for sale at all times. Write for prices and descriptions.

**BRED GILTS** I have an exceptionally fine lot of Duroc gilts bred to my prize winning boars for sale, bred right and fed right. Write for prices and description.  
**CHAS. L. TAYLOR, OLEAN, MISSOURI**

**A FINE OFFERING** Spring pigs sired by R. C. Buddy Watson's Col. and Model Top. Prices \$20 and up. R. C. WATSON, Altoona, Kansas.

**Duroc-Jersey Spring Pigs** Dark cherry, sired by Bull Moose Col. 138255, he by King the Col. 85533 and out of large prolific sows, of popular breeding, priced reasonable, and f. o. b. your station. Write for prices and description.  
**Arthur A. Patterson, Ellsworth, Kan.**

**Deep Creek Herd Durocs!**  
Orders taken now for early spring pigs, dams either state fair prize winners or sired by prize winners. Write for low prices.  
**C. O. ANDERSON, MANHATTAN, KAN.**

**DUROC-JERSEY BOAR**  
Fine October boar, will weigh about 215 lbs., good breeding condition, at \$30. Satisfaction guaranteed or money refunded.  
**J. R. JACKSON, Kanopolis, Kansas.**

**ILES' Farm Duroc-Jerseys**  
A selected lot of early boars and gilts sired by and out of prize-winning boars and sows. The big kind with quality and guaranteed to please. Priced right. Visitors met by appointment at Everest or Pierce Junction. R. C. ILES, Everest, Kansas.

**Smith's Durocs**  
Fashionably bred boars, including grandsons of the great Graduate Col., and a herd-leading son of the champion, Tatarax. Also spring boars. J. R. SMITH, NEWTON, KANSAS

**McCarthy's Durocs**  
A few October boars by J.R.'s Col. by Graduate Col. Also a son of the champion, Tatarax, that should head some good herd. Dan'l McCarthy, Newton, Kan.

**Stith's DUROCS**  
Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions. His sire was a champion. Write today.  
**CHAS. STITH, Eureka, Kansas**

**HANNA'S DUROCS**  
September boars, good boned, good backed stretchy fellows by Model Col. H. and Me's' Tat, a good son of Tatarax; also a few good open gilts by the same sires. Satisfaction guaranteed.  
**A. J. HANNA, ELMDALE, KANSAS**

**Quivera Place Durocs**  
A few, choice summer boars and gilts, sired by Quivera 106611.  
**E. G. MUNSELL, Herington, Kansas.**

**BONNIE VIEW FARM DUROC-JERSEYS**  
Extra fine spring pigs, sired by Tat A Walls and S.C.'s Col. Searle & Cottle, Berryton, Kans.

**Perfection Stock Farm!**  
Fall boars and gilts, also orders booked for choice spring pigs by State Fair Champions. Pairs and trios not related. Prices right.  
**CLASEN BROS., UNION CITY, OKLA.**

**Duroc Pigs, Popular Breeding**  
I am offering 100 spring pigs, by Eckman's Special 124603 and Gold King 126195 out of sows by B. & C's Col., Buddy K IV, Chief's Martial, Belle's Chief 2nd, Golden Goods, etc. Yonden Eckman, Vinland, Kans.

**TATARRAX HERD DUROCS**  
Good fall gilts, open or bred, by the grand champion Tatarax and G.M.'s Tat Col. In good condition and priced right. Write today for further particulars. **Hammond & Buskirk, Newton, Kan.**

**10 Duroc Jersey Boars**  
of summer and fall farrow. \$25 each to move them quick. Sired by Model Chief and out mature sows.  
**Dana D. Shuck, Burr Oak, Jewell Co., Kansas**

**Bancroft's Durocs!**  
We hold no public sales. Nothing but the best offered as breeding stock. 12 choice September boars. September gilts open or bred to order for fall litters. 90 March pigs. Pairs or trios not akin. Prices right. Customers in 8 states satisfied. Describe what you want, we have it.  
**D. O. BANCROFT, OSBORNE, KANSAS.**

**POLAND CHINAS.**

**Albright's Fall and Winter Boars and Gilts** for sale. 40 head of nice, smooth individuals, sired by Cavett's Mastiff, by King Mastiff, and out of big type sows. Write for prices.  
**A. L. ALBRIGHT, Waterville, Kansas**

**LARGE WITH PLENTY OF QUALITY!**  
Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd leaders. Satisfaction guaranteed on all breeding stock.  
**OLIVER & SONS, DANVILLE, KANSAS.**

**Harry Hoak's Poland Chinas**  
Spring boars and gilts, pairs and trios unrelated. Fashionable big type blood lines. The finest lot of pigs we ever raised. Call or write today. **HARRY HOAK, Attica, Kan.**

one breed was lost sight of by the time an animal of the same breed was brought into the ring again. This method made it hard for the auctioneer, and the bidders' first interest. Mr. Galloway said to the representative of this paper, that the next season's sale would be a two-days sale, and a breed offered each day. The top of the sale was \$600 for the 7-months-old Holstein bull calf Korndyke Jewel Hengerveld De Kol, going to F. H. Brenemier of Hubbard, Iowa. The top of the Ayrshires was \$300 for the 4-year-old cow, and bull calf, Violet of Mesa, going to Geo. Stewart of Avoca, Iowa. The general average on 36 Holsteins sold was nearly \$200 and the general average of Ayrshires about equaled those figures. There were a number of good bargains in both breeds and dairymen who were unable to attend certainly lost out by not being there.

**SUMMARY—HOLSTEINS.**  
26 females sold for \$5,290; average... \$203.50  
10 bulls sold for... 1,795; average... 179.50  
36 head sold for... 6,995; average... 194.50  
**AYRSHIRES.**  
16 females sold for \$ 3,140; average... \$196.00  
5 bulls sold for... 465; average... 93.00  
21 head sold for... 3,605; average... 171.50  
57 head totaled... 10,600; average... 186.00

**S. E. Kansas and S. Missouri**  
BY ED. R. DORSEY.

It doesn't make much difference which way nor how far we go, the breeders say: "When were you at Roy Johnston's? How's his stock looking this summer? Has he as many good ones as usual?" The reason of this is he has sold in the past eight years so many high class hogs, which have gone into every state in the Union, that he has people everywhere who are interested in him. I was at his place a few days ago and will say positively that he never had a better lot than he has now. He controls 500 spring pigs. Those that are not on his farm at South Mound are at his father's or brother's farms. On his regular annual sale date, October 20, he will sell 60 of the very best he has, out of the 500 head.

**Deming's Stock Ranch.**  
The Deming ranch, at Oswego, Kan., is owned by W. O. Deming, owner of the Deming Investment and Loan company, one of the largest firms of its kind in the West. Mr. Deming should be much respected and honored, not so much for the amount of his farm loans, which are a great help to the farmers, but for his ideal farm and the work he is doing there. We have never visited a state institution which is cared for better. His foreman, Mr. Edwards, is a graduate of Kansas State Agricultural college and a man of unusual ability. He keeps the 3,500 acre farm looking like a park. On the farm are 700 registered Poland China hogs under the management of Mr. C. H. Hoy, who is also a graduate, a breeder and a farm owner. On October 24 this farm will hold its second public sale of Poland Chinas. As Oswego is so nicely located for the Oklahoma breeders, as well as Missouri and Kansas breeders, a very large crowd will be expected.

**The Ellis Poland Chinas.**  
The Green Lawn Poland Chinas owned by Jas. T. Ellis, of Adrian, Mo., successor to A. J. Erhart, are looking fine and on September 5, the day before J. C. Stalter's sale, Mr. Ellis will sell a fine lot of 50 head. The reputation of this herd was not developed in one year. It is the old "Missouri Herd" that every breeder in America was familiar with. Later Mr. Erhart not only broke records in the sale ring with this valuable herd, but he took part of it out to the grand circuit and was awarded a number of the greatest prizes on the entire circuit. Mr. Ellis bought this herd and Green Lawn Farm for \$54,000. While this is the first purebred herd Mr. Ellis ever owned, we are proud to say that in his commercial life he was a success and made all kinds of money. Afterwards he went into the cattle business in western Kansas and Texas, where he controlled large herds. His son, John Ellis, a graduate of the Columbus college, is now general manager, and we will expect this old herd to grow larger and, if possible, better every year. Since Mr. Ellis took hold of this business last January he has sold lots of stock in Texas, Oklahoma, Arkansas, Kansas and Missouri, but they still have 200 head on the farm and are breeding 60 sows. He will hold his first sale September 5 and the brood sow sale February 18.

**Lavelock's Hampshire Pigs.**  
I called on T. W. Lavelock, Princeton, Kan., recently and found his farm literally alive with white belted pigs. Mr. Lavelock has the largest herd of Hampshires in the state. He raised about 175 spring pigs, and in one sow pasture he has 50 sows which will farrow this summer and fall. Two public sales have been held from this herd, but it is Mr. Lavelock's intention to dispose of his surplus this year by private treaty and he is therefore making special prices now to move them. The gilts on which Mr. Lavelock is making a special price at this time are mostly sired by Widow's Model 4781, and bred to Joe Bowers 1995 or Kansas Model 1583. Widow's Model is by Duke of Newcastle 3249, by Stone's Monarch and out of Merry Widow 5654, by Gen. Tipton. Every line in this pedigree represents prize winning blood. Widow's Model is an exceptionally fine breeder and is very large. Joe Bowers is probably the best boar Mr. Lavelock ever used. He is very richly bred, being more than a half brother to Messenger Boy, a grand champion over all breeds. Kansas Model is by Leader 4025 and out of Miss Dot, by Gen. Munger. This boar is richly bred in prize winning blood, being of the families that were winners in 1905 and 1906 at all leading state fairs. Write Mr. Lavelock for prices and particulars and mention Farmers Mail and Breeze.

I like the Mail and Breeze very much and don't want to miss a copy of it. I especially enjoy the Passing Comments by T. A. McNeal.—John F. Preeo, Victor, Kan.

If you need anything not advertised in this issue of Farmers Mail and Breeze, write us and we'll tell you where you can get it.

**POLAND CHINAS.**  
**BIG BARGAINS—BRED SOWS.**  
6 of our herd sows, bred and safe to Gold Mine, for July and September farrow. 5 last fall gilts, safe to Best Price. Best bunch of spring pigs we have ever offered. Priced right.  
**DIETRICH & SPAULDING, Richmond, Kan.**

**NEBRASKA TYPE POLANDS** Choice summer and fall boars and gilts, by Isden's Big Hadley 2nd, Pan Wonder, and Nebr. Chief. C. C. INGRAM, Bloomington, Neb.

**Polands, with Size and Quality** Bred sows and gilts, also boars all ages for sale, sired by Wacchter's Referee, Quamo and King Hadley, Lambert Bros., Smith Center, Kan.

**Sunny Side Poland Chinas** Sows bred for farrow. Stock priced right. Satisfaction guaranteed.  
**J. G. BURT, SOLOMON, KANSAS.**

**Large Type Yearling Sows** Sired by and bred to boars weighing between 900 and 1000 pounds and due to farrow in August and September. Thos. B. Murphy & Sons, Corbia, Kans.

**Klein's Tabor Valley Herd** Big type Poland China fall gilts bred or open, sired by my Iowa bear and out of my big matured sows. Write for prices.  
**L. E. KLEIN, ZEANDALE, KANSAS.**

**20 Big Smooth Bred Gilts** July and August gilts, by A Wonder's Equal, by A Wonder, sired by Nox All Hadley, bred to the noted Orphan Chief for fall farrow. Blood lines and quality the best. \$35 to \$40. Only good ones shipped.  
**A. R. ENOS, RAMONA, KANSAS.**

**COLUMBUS**  
The 1050-lb. Grand Champion, 1912, Nebraska, Kansas, Missouri and American Royal, heads my herd  
**Big Type Poland Chinas**  
**R. B. BAIRD, Central City, Nebraska**

**HILDWEIN'S BIG POLANDS**  
Make your selections from my large herd of the "big kind". They are the kind that make good.  
**Public Sale October 29.**  
**WALTER HILDWEIN, FAIRVIEW, KAN.**

**THURSTON & WOOD'S Poland Chinas**  
The large, smooth kind. Fall boars, handsome fellows by W. Wonder by A. Wonder, also gilts by this great son of A. Wonder and bred to Orange Lad by Big Orange. **Thurston & Wood, Elmdale, Kan.**

**Schneider's Poland Chinas!**  
20 head of good fall gilts. Some bred for September farrow, others offered open. A few good fall boars that I am pricing cheap to move them.  
**JOE SCHNEIDER, NORTONVILLE, KAN.**

**Special 30-DAYS OFFER**  
Choice Poland China spring pigs, either sex, \$20, express paid. Certificate with every pig. Satisfaction guaranteed.  
**Howard R. Ames, Maple Hill, Kan.**

**John Harter's September Boars**  
25 selected Sept. boars to pick from. Sired by Mogul's Monarch, Long King, Prince Hadley and Gebhart. Well grown and desirable as herd boars. Prices right. Satisfaction guaranteed.  
**J. H. HARTER, WESTMORELAND, KAN.**

**Royal Scion Farm Durocs**  
The great Graduate Col., assisted by Col. Scion, heads this herd. Spring and fall boars, some of them show and herd header material; also a few gilts and spring pigs, either sex. **G. C. Norman, R. 10, Winfield, Kan.**

**MAMMOTH IDEAL BOARS and GILTS**  
Mammoth Ideal 54559, one of the biggest and best boars of the breed, in service, assisted by Expansive B, by Expansive. I can supply your wants in herd boar material, in choice breeding gilts. Get my descriptions and prices before buying.  
**M. T. WILLIAMS, VALLEY FALLS, KANSAS**

**PLEASANT HILL STOCK FARM POLANDS**  
Long King's Best, Sampson Ex and Moore's Halvor, a trio of unusually fine big-type boars in service. Booking orders now for spring boars and gilts—over 100 head to select from. These are bred right. Fed right and priced right.  
**HENRY GRANER & SON, LANCASTER, KANSAS.**

**Robinson's Mammoth Poland Chinas!**  
My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and I return your money.  
**F. P. ROBINSON, Maryville, Mo.**

**BIG TYPE BRED SOWS FOR SALE**  
Daughters of Long Wonder (a double bred A Wonder) and King Mastodon 2nd, bred for May and June farrow, to Orange Model 2nd, by Big Orange and out of a Pawnee Lad dam and to Expansive Wonder, by Expansive. These are extra good, strictly big type with quality and will please. Also fall gilts and spring pigs. Write or call.  
**W. E. LONG, Meridan, Kansas.**

**BIG TYPE UNPAMPED BERKSHIRES**  
200 sows bred to Fair Rival 10th, King's 4th Masterpiece, Truotype, King's Truotype, and the great show boar King's 10th Masterpiece. All long large and heavy boned. Sows farrow all through April, May and June. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth.  
**E. D. KING, Burlington, Kansas**

**EX B. by EXPANSIVE** one of the greatest breeding boars of the day heads my herd of over 250 head. Two extra good boars by him, August farrow, for sale. Also choice line of fall gilts, open. Booking orders for spring pigs. Write or call.  
**W. R. WEBB, BENDENA, KANSAS.**

**Big Orange, Big Sensation & Ott's Big Orange**  
in service in my herd of POLAND CHINAS. For sale—Pigs of both sexes, and boars of most all ages of the correct type that will please you.  
**J. O. JAMES, Braddyville, Iowa**

**POLAND CHINAS.**  
**Poland China** tried sows and fall gilts bred or open. Big type boars and big mature dams.  
**J. F. FOLEY, Oronoque (Norton Co.), Kan.**

**100 SPRING PIGS** Sired by King Hadley King Long John 2nd; orders booked for May and June delivery.  
**W. Z. BAKER, Rich Hill, Mo.**

**Green Lawn Stock Farm of Adrian, Mo.** is offering 40 Fall and Winter Males that will weigh from 150 to 250 each. No better Poland Chinas on earth. Also a number of bred gilts.  
**JAS. T. ELLIS, ADRIAN, MISSOURI**  
Successor to A. J. Erhart & Sons.

**Bred Sows and Gilts.**  
15 choice last Sept. Poland China Gilts bred and safely passed over to Blue Valley Oak, by Blue Valley. Also some choice mature sows bred for last of Aug. and Sept. farrow to same boar. Prices reasonable. Good size with snow yard quality. Write **John L. Naiman, Alexandria, Neb.**

**Mt. Tabor Herd Poland Chinas**  
(BIG AND MEDIUM TYPE)  
For sale: Fall boars and gilts and 100 spring pigs, sired by Big Mogal and College Special 5th. Bred sows and gilts of either type. **Herd Immune.**  
**J. D. WILLFOUNG, ZEANDALE, KANSAS**

**POLAND CHINAS!**  
Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomes, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.  
**JOSEPH M. BAIER, ELMO, KANSAS.**

**Dean's Mastodon Polands**  
Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Will sell a few boars of serviceable age, also choice brood sows and gilts, bred to my herd boars, for spring farrow. All **Immunized by Double Treatment**  
Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address  
**CLARENCE DEAN, WESTON, MISSOURI**

**A. D. JONES**  
of DUNLAP, IOWA  
has for sale 40 fall boars sired by 1,000 pound boars and from 600 and 800 pound dams; strictly big type Poland Chinas. I breed for length, bone, large litters and quick maturity. I also have 50 fall gilts, to be in the market this fall and winter and 100 spring pigs that are doing fine.

**Fall Boars all Sold**  
I am now offering a tried herd boar, an excellent individual and breeder. Priced when any good farmer can buy him. Also three January boars.  
**H. B. WALTER, Effingham, Kan.**

**Royal Scion Farm Durocs**  
The great Graduate Col., assisted by Col. Scion, heads this herd. Spring and fall boars, some of them show and herd header material; also a few gilts and spring pigs, either sex. **G. C. Norman, R. 10, Winfield, Kan.**

**MAMMOTH IDEAL BOARS and GILTS**  
Mammoth Ideal 54559, one of the biggest and best boars of the breed, in service, assisted by Expansive B, by Expansive. I can supply your wants in herd boar material, in choice breeding gilts. Get my descriptions and prices before buying.  
**M. T. WILLIAMS, VALLEY FALLS, KANSAS**

**PLEASANT HILL STOCK FARM POLANDS**  
Long King's Best, Sampson Ex and Moore's Halvor, a trio of unusually fine big-type boars in service. Booking orders now for spring boars and gilts—over 100 head to select from. These are bred right. Fed right and priced right.  
**HENRY GRANER & SON, LANCASTER, KANSAS.**

**Robinson's Mammoth Poland Chinas!**  
My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and I return your money.  
**F. P. ROBINSON, Maryville, Mo.**

**BIG TYPE BRED SOWS FOR SALE**  
Daughters of Long Wonder (a double bred A Wonder) and King Mastodon 2nd, bred for May and June farrow, to Orange Model 2nd, by Big Orange and out of a Pawnee Lad dam and to Expansive Wonder, by Expansive. These are extra good, strictly big type with quality and will please. Also fall gilts and spring pigs. Write or call.  
**W. E. LONG, Meridan, Kansas.**

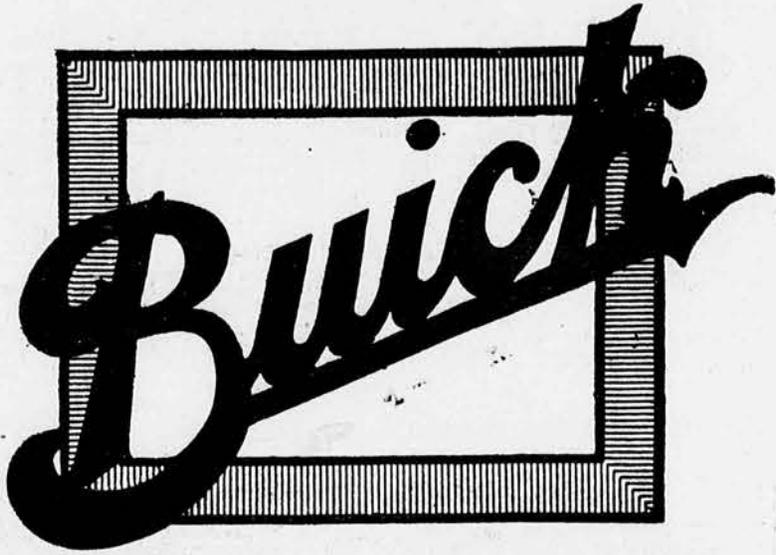
**BIG TYPE UNPAMPED BERKSHIRES**  
200 sows bred to Fair Rival 10th, King's 4th Masterpiece, Truotype, King's Truotype, and the great show boar King's 10th Masterpiece. All long large and heavy boned. Sows farrow all through April, May and June. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth.  
**E. D. KING, Burlington, Kansas**

**EX B. by EXPANSIVE** one of the greatest breeding boars of the day heads my herd of over 250 head. Two extra good boars by him, August farrow, for sale. Also choice line of fall gilts, open. Booking orders for spring pigs. Write or call.  
**W. R. WEBB, BENDENA, KANSAS.**

**Big Orange, Big Sensation & Ott's Big Orange**  
in service in my herd of POLAND CHINAS. For sale—Pigs of both sexes, and boars of most all ages of the correct type that will please you.  
**J. O. JAMES, Braddyville, Iowa**



*Every Moving Part Fitted  
to a Hair's Breadth*



Ask your Buick  
dealer for a ride  
in Model 31  
or write to us for  
Catalog M.

Have you ever seen a horse laboring under a load that a team ought to be hauling? You probably have, and you have felt sorry for the horse. A real driver feels just as sorry for a laboring motor.

Over-exertion is wearing.

Horses can't stand up under it. Men break down under it. Machinery goes to pieces.

Conservation means money in your pocket. Conservation in motor cars means power and plenty of it.

### Buick Power

Is the boast of every Buick owner. A Buick can go anywhere any car can and many places where others can't. The famous Buick overhead valve motor is guaranteed to have more power and more speed than any other type of motor on the market.

### Buick Reliability

A Buick will always take you anywhere you want to go, and will always bring you back.

### Buick Durability

You can drive your Buick 150,000 miles and spend less for repairs than you would on some cars that have run less than 10,000 miles.

### Buick Economy

You can get more mileage to a gallon of gasoline with a Buick than you can with any other car ever made.

### Buick Service

Buick service is backed by the biggest automobile building concern in the world. You can always get parts, and you can get them quick. Where there's life there's always the Buick sign, and the Buick sign is always a sign of good treatment.

**BUICK MOTOR COMPANY**

KANSAS CITY, MO.