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FARM AND HOME

Volume 43

March 15, 1915

Number 1

County Reading Room

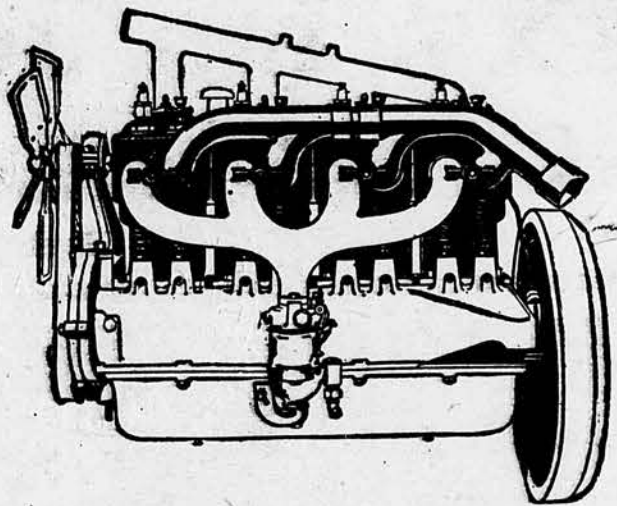


An Ear of Kansas Boone County White, a Product of Selection. The Picture Tells the Story.

FARMING nowadays is a constant battle with Nature fighting us. One day we are fighting chinch bugs to right of us and Hessian fly to left of us, and the next day we are fighting the corn weevil, certain soon to be a pest from Utah. How to fight it may even now be here. The great object is to prevent it from getting a foothold. How to fight it will be told in next week's Mail and Freeman. Dean, entomologist at the Kansas State College.

Published by the R. F. D. Circulars of the Kansas Farm Press

Overland



How Overland motors are made

All Overland motors are designed by Overland men—made by Overland men—and made in Overland factories. We will build 40,000 motors this year. No other automobile manufacturer will build as many of this type. That is why we can build them better, and for less cost. We employ the most skilled motor builders in America.

Following are a few of the most important facts about the Overland motor.

Cylinders have large water-jackets and are cast singly, increasing cooling efficiency with the advantage of being able to replace a single cylinder at low cost should an accident occur. The crank shaft and connecting rods and all other forgings are of high carbon manganese steel.

All bearings, cylinders, pistons and rings are ground to accurate and tested smoothness, insuring long life, freedom from wear and positive compression.

All the wearing surfaces of the valves are ground to a one-thousandth part of an inch. Owing to their peculiar design and large size they enable the motor to develop at least fifteen per cent more horsepower than any other motor of the same bore and stroke.

The cam shafts are drop-forged (in our own drop-forge plant, which is the largest in the industry) oil-treated and case-hardened. They are ground and machined automatically, insuring positive accuracy in the relative position of one cam to another.

This is the only car of its class provided with a five-bearing crank shaft. This crank shaft is drop-forged from one piece of carbon manganese steel and rotates in five bearings of unusually liberal size insuring quietness and extreme long life.

The crank cases are cast in two sections, of the finest grade of aluminum alloy attainable—and cast in our own foundry.

No other motor in the world is given a more severe test and thorough inspection. The engine is belted up for two hours, and driven by other than its own power to limber it up so that it will start easily. Then it is put onto the block and run from 8 to 16 hours under its own power.

The Importance of a Powerful Motor

As the motor is the most important part of a car, it is safe to assume that you can judge a car by the performance of its motor. Therefore, be guided and informed by the following information.

Every practical farmer knows the value of a good motor in an automobile. He knows, too, from experience, what constitutes a good motor and what is expected of it. He wants power, economy and silence.

The motor is the most expensive single unit of the Overland car. It has a 4" bore and a 4½" stroke. It is the most efficient 30 horsepower motor made. We say efficient for it has, by demonstration in tens of thousands of cars, proven to be the best for your specific purposes.

It is exceptionally economical to operate—using less fuel per mile than any other motor of equal size.

It is remarkably powerful, developing forty to fifty miles an hour with ease; and over your kind of roads, without eating up an unnecessary and costly quantity of gasoline.

It is the only motor of its size made with a five bearing crankshaft which makes for real smoothness, silence and ease when in operation. This feature is only found on very high priced cars.

It is remarkably simple. It is practically frictionless. Requires no coaxing or continual adjusting. In fact, you seldom have to lift the hood. Is always obedient.

And the self-starting feature adds the final touch of perfection. Just throw a little lever and you're off. Your daughter can start, operate and drive an Overland as well and as easily as you can. It will always start in bitter cold and freezing weather as quickly as in the summer—by just switching the little lever on the dash.

So we ask you to judge the exceptional value of this car by the exceptional efficiency of its motor.

This big, powerful, comfortable touring car costs you 30% less than any other similar car made.

We have some very interesting books we would like to send you. They are free. Write us for a set today.

Please address Dept. 84

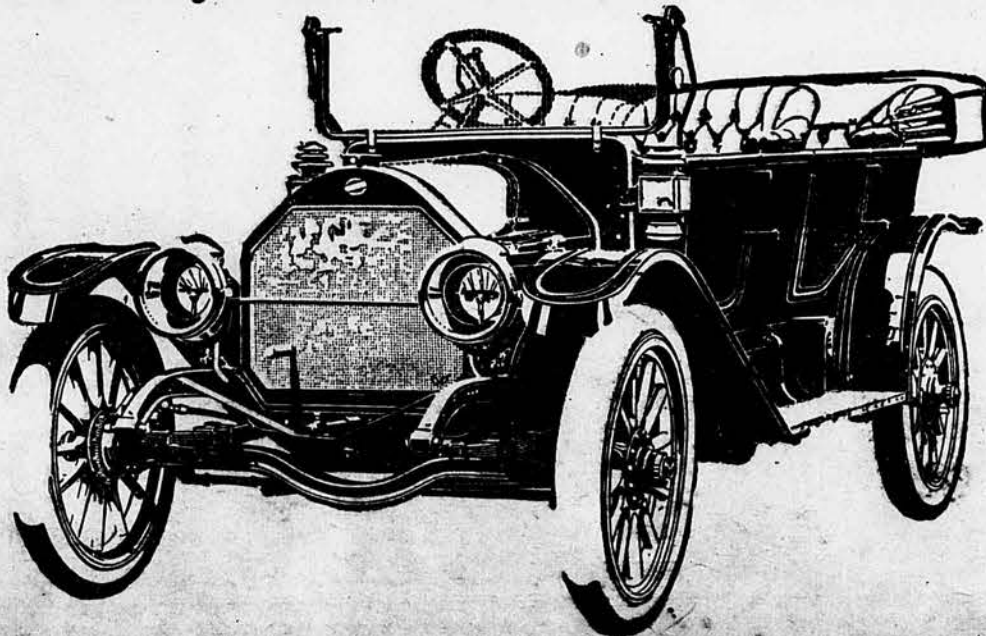
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\$985

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30 Horsepower
5-Passenger
Touring Car
110-inch Wheel
Base
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Completely Equipped

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Clear Vision, Rain
Vision Wind-Shield
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THE FARMERS MAIL AND BREEZE

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



Volume 43
Number 1

TOPEKA, KANSAS, MARCH 15, 1913.

Subscription
\$1.00 a Year

UNCLE SAM'S NEXT BIG JOB MAY BE FINANCING FARMERS

Editor's Note.—In his brief but stirring inaugural address, the other day, President Wilson mentioned a farm credit system for the United States as one of this country's chief needs. During his last year of office the state department under President Taft made a thorough investigation of the farm credit systems of Europe with conclusions which President Taft recommended to the conference of governors. This week the Mail and Breeze presents an educational article on this important question by the secretary of Nebraska's Rural Life commission. At a later date it expects to give its readers a description of the methods of operating the farm credit banks of Germany and France.

TWELVE million farmers in the United States produce approximately 9 billions of wealth every year. To do this they borrow and pay interest upon more than 6 billion dollars; their annual interest charge is 510 millions. The farmers of France and Germany secure better financial accommodations at half the interest rates paid by their American competitors. They have been getting this superior advantage for more than a half century and we are just beginning to get wise to it.



F. G. Odell.

Such, in tabloid form, is the substance of the report made by Ambassador Myron T. Herrick to President Taft and by him submitted to the House of Governors with the hint that they get busy and see that the farmers of the United States get legislation which will put their financial affairs on

a par with those of the farmers of Europe.

Let me quote from the letter sent by the president to the governors of all the states on October 11, 1912, this significant paragraph:

"Again, the interest rate paid by the American farmer is considerably higher than that paid by our industrial corporations, railroads, or municipalities. Yet, I think, it will be admitted that the security offered by the farmer in his farm lands is quite as sound as that offered by industrial corporations. Why, then, will not the investor furnish the farmer with money at as advantageous rates as he is willing to supply it to the industrial corporations?"

"Obviously, the advantage enjoyed by the industrial corporation lies in the financial machinery at its command, which permits it to place its offer before the investor in a more attractive and more readily negotiable form. The farmer lacks this machinery, and, lacking it, he suffers unreasonably.

"This is not theory. Through all the changing conditions of a century the soundness and practicability of such financial machinery, based upon the peculiar credit needs of the agriculturist, has been tried out, and so successful has been its operation that in Germany, in times of financial stress, money has been taken out of the commercial field and placed in the keeping of the empire's agricultural co-operative banks for safety."

HANDICAP ON FOODSTUFFS.

We have been saturated with the doctrine of protection for American industries until it has become second nature; the farmers of these United States are beginning to ask what their inning is to come in. When German farmers secure the money necessary to carry on their business at half the rate we pay it imposes a serious handicap on us. This handicap, to be somewhat exact, amounts to about 250 millions a year which must be paid by the American farmer before he can haul a hog, a steer or a bushel of wheat to market. He has to pay this handi-

He Has 12 Million Who Need Some Better
Form of Farm Credit Than
They Now Have

BY FRANK ODELL

Secretary Nebraska Rural Life Commission
Written for Farmers Mail and Breeze

Example of 30-year Debt-Clearing Loan of \$1,000 at 8 Per Cent

(See explanation below the table.)

Semi-Annual Payment	Interest at 6%	Paid on Principal	For Expenses and Profit	Total Semi-annual Payment	Amount of Principal Still Unpaid
1	\$30.000	\$6.135	\$3.865	\$40.00	\$993.865
2	29.816	6.319	3.865	40.00	987.546
3	29.626	6.509	3.865	40.00	981.037
4	29.431	6.704	3.865	40.00	974.333
5	29.230	6.905	3.865	40.00	967.428
6	29.022	7.113	3.865	40.00	960.315
7	28.809	7.326	3.865	40.00	952.989
8	28.589	7.546	3.865	40.00	945.443
9	28.363	7.772	3.865	40.00	937.671
10	28.130	8.005	3.865	40.00	929.666
11	27.890	8.245	3.865	40.00	921.421
12	27.642	8.493	3.865	40.00	912.928
13	27.383	8.747	3.865	40.00	904.181
14	27.125	9.010	3.865	40.00	895.171
15	26.865	9.280	3.865	40.00	885.891
16	26.607	9.558	3.865	40.00	876.333
17	26.349	9.846	3.865	40.00	866.487
18	26.095	10.140	3.865	40.00	856.347
19	25.840	10.445	3.865	40.00	845.902
20	25.587	10.758	3.865	40.00	835.144
21	25.334	11.081	3.865	40.00	824.063
22	25.082	11.413	3.865	40.00	812.650
23	24.831	11.756	3.865	40.00	800.894
24	24.580	12.108	3.865	40.00	788.786
25	24.330	12.471	3.865	40.00	776.315
26	24.081	12.846	3.865	40.00	763.469
27	23.833	13.231	3.865	40.00	750.238
28	23.586	13.628	3.865	40.00	736.610
29	23.340	14.037	3.865	40.00	722.573
30	23.095	14.458	3.865	40.00	708.115
31	22.851	14.892	3.865	40.00	693.223
32	22.608	15.338	3.865	40.00	677.885
33	22.366	15.779	3.865	40.00	662.086
34	22.125	16.273	3.865	40.00	645.813
35	21.885	16.761	3.865	40.00	629.052
36	21.646	17.263	3.865	40.00	611.789
37	21.408	17.781	3.865	40.00	594.008
38	21.171	18.315	3.865	40.00	575.693
39	20.935	18.864	3.865	40.00	556.829
40	20.700	19.431	3.865	40.00	537.398
41	20.466	20.013	3.865	40.00	517.385
42	20.233	20.614	3.865	40.00	496.771
43	20.001	21.232	3.865	40.00	475.539
44	19.770	21.869	3.865	40.00	453.670
45	19.540	22.525	3.865	40.00	431.145
46	19.311	23.201	3.865	40.00	407.944
47	19.083	23.897	3.865	40.00	384.047
48	18.856	24.614	3.865	40.00	359.433
49	18.630	25.353	3.865	40.00	334.080
50	18.405	26.113	3.865	40.00	307.967
51	18.181	26.896	3.865	40.00	281.071
52	17.958	27.713	3.865	40.00	253.358
53	17.736	28.535	3.865	40.00	224.823
54	17.515	29.391	3.865	40.00	195.432
55	17.295	30.273	3.865	40.00	165.159
56	17.076	31.181	3.865	40.00	133.978
57	16.858	32.016	3.865	40.00	101.962
58	16.641	32.877	3.865	40.00	68.885
59	16.425	33.669	3.865	40.00	34.816
60	16.210	34.816	3.865	40.00	.000
Totals	\$1,168.10	\$1,000.00	\$231.90	\$2,400.00	

Explanation.—The principal and interest are paid each year in two semi-annual installments. At the end of 30 years the debt is wiped out. The loan does not have to be renewed from year to year, but runs until the debt is cleared. The 8 per cent per annum pays 6 per cent interest on the money, a fraction more than 1 per cent (or 1.227 per cent) as payment of the principal, and less than 1 per cent (or .773 per cent) to cover the expense and profit of the person or association making the loan. The whole expense totals 8 per cent. These long-time loans are one feature of the European farm credit systems. A renter buying a farm in this manner would cease to be a renter with his first payment and finally would own the farm free of debt. Naturally he could do and would do better farming.

cap before he is on even terms with his German competitor at the market. There is no doubt about this: the facts are known to every student of European agriculture, but our government officials are just beginning to discover this important fact.

Suppose that instead of a reciprocity treaty, the president of these United States should advocate, and congress should attempt to promote a treaty with Germany and France which would give to the farmers of those countries a subsidy equivalent to 4 per cent on all their indebtedness in order to enable them to compete successfully with American farmers. Of course, that's a ridiculous assumption, but that is in effect just about what we have been doing by penalizing the industry of the American farmer through exorbitant interest rates.

Of course, some "friend of the farmer," who manifests his friendship by running a loan agency, will at once call our attention to the fact that "farm loans can be secured at 5 and 6 per cent." O, yes, we know all about that; we also know something about the 7 and 8 per cent fellows; commissions, renewal charges, abstract fees, etc., etc. Ex-President Taft is nothing if not conservative: he says that the farmers of this country are paying an average of 8½ per cent on all the money they borrow and that they have 6 billions and 40 millions borrowed in order to produce less than 9 billions of crops.

HOW THEY DO IT IN EUROPE.

They do things differently in Europe. Increasing need of a dense population drove the people together for self-protection before we were out of the aboriginal stage of civilization. Make no mistake—it is not always rich folks who accomplish the big things for society—every forward step in the evolution of free institutions has come from the realization by the oppressed of every age of their sore need. When they have utterly failed to receive help from the land-grabbers and the money-grubbers, they have come together for mutual counsel and mutual protection—and always with significant results. The serfs of continental Europe reached this stage of social evolution long ago; consequently they have done some things in the way of promoting permanent agriculture which we have yet to learn.

Now, I'm not an apologist for monarchical institutions, but I'm willing to learn of a Dutchman or a Johnny Frog-Eater if they can teach me anything, and they certainly can when it comes to this matter of financing the farmer. For instance:

You, good Nebraska or Kansas farmer, place a mortgage on your farm at 6 per cent; commissions and fees bring it up to 7½ per cent. In three or five years you renew the loan at the same old rate and still have the principal to pay. Some of the lucky ones clear off the mortgage, but the entire amount of mortgage debt per farm in Nebraska averages \$3,154 if Uncle Sam's census is correct; that is \$126 per year that you are paying in excess of what the Frenchman or the German would have to pay. When it takes the price of 22 bushels of corn per acre to pay the cost of raising the crop and keeping up taxes and interest you need that 4 per cent in your business.

Your French or German farmer gets a different deal: he borrows his money for, say, 20 years; on this he pays 7½ per cent annually and at the end of the 20 years his debt is extinguished. This is due to the "amortization" feature of his mortgage, by means of which he pays off his principal in small installments, precisely as the building and loan associations work out in this country.

If the German farmer needs temporary credit, his rural co-operative bank is at hand and it will lend him such amount as he needs for productive purposes. He must be able to show the controlling board of the bank (composed of his

(Continued on Page 27.)

The Farmers Mail and Breeze

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

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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, 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 editor orders and advertising copy are in our hands the better service we can give the advertiser.



**PASSING
COMMENT**
by
T. A. McNeal

THE BULGARIAN FARMERS.

For centuries the Bulgarian peasants were little better than slaves of the Turks. They were exploited by Turkish tax gatherers, robbed by Turkish overlords and subjected to nearly every form of tyranny and oppression. At last there came a time when the Bulgarians gained what amounted almost to independence, but not entire freedom, from the domination of the Turk. They wanted all the territory largely inhabited by Bulgarians to be also independent of Turkey. Serbia, Montenegro and Greece had similar old-time grievances against Turkey which led to the union of the four small nations into a powerful alliance against their ancient foe.

What I want to speak about especially, however, is the thing that, in my judgment, has made Bulgaria so powerful that the new state has astounded the world. Bulgaria divided the lands originally wrested from Turkey into small farms. In addition to that great strides have been made in the way of popular education. The peasants have been given a chance at the land and as a result they are independent, industrious and intensely patriotic. The reason is because they feel that the country belongs to them and they are ready to fight for it. If a similar policy were pursued in Mexico it would bring permanent peace and prosperity to that country.

The other day I was talking with a gentleman who has spent the past 20 years or more in Mexico. He told me that when the Mexican peon was permitted to have a little farm of his own where he had opportunity to work for himself he was contented and a good, peaceable citizen. If the vast landed estates of Mexico were split up into small farms and distributed among the peons so that they could become small and independent farmers they would not hanker for any more revolutions. The world would discover that these same despised peons have a lot of good in them and that they have the making of an industrious, frugal and prosperous as well as intensely patriotic people.

The holders of the vast estates in reality deserve nothing. They have been permitted to rob the peons to their hearts' content and rigid justice would say that their lands ought to be confiscated, but while this would be no more than retributive justice, it would, perhaps, not be a good thing to do.

It probably would not be a good thing for the peons themselves. It would be better that they should be given the opportunity to buy the lands at what would be a fair price, all things considered, and given a long time to pay it, in the meantime being protected from the rapacity of the higher classes. I think they should get the lands without having to pay interest on deferred payments, or at any rate the interest should be very small.

The people of the United States have a direct interest in this Mexican matter. It is not to the interest of this country to have Mexico continually on

the verge of revolution. When a new government is established down there the powerful moral influence of the United States should be used to compel justice to the masses of the Mexican people, something they have never yet obtained since the day when the Spaniards captured the country.

The way to restore peace and prosperity in Mexico is the same road after all that will bring permanent peace and prosperity to any people; and that is the road of justice and fair opportunity. Tyranny and military force may restore the semblance of peace in Mexico, but it will not be real or permanent peace. Sooner or later there will be another outbreak, another carnival of bloodshed and disorder.

BERT BROWN FOR IRRIGATION DEPARTMENT.

It seems probable that with a change of political control in the nation there will be a change in the head of the government reclamation bureau.

Bert Brown, who was candidate for secretary of state on the Democratic ticket at the last election and who has been secretary of the senate during the session just closed, is a candidate for the position of director of the reclamation service.

Bert has lived a good share of his life out in the country that needs irrigation. His father helped construct one of the first irrigation ditches ever constructed in that part of the country. Bert himself has given the matter of irrigation a good deal of study and I believe, if appointed, will make a competent director.

So far the government has done practically nothing for Kansas in the way of irrigation projects, therefore it would be to our interest to have a Kansas man at the head of the irrigation department. I would be glad to see him appointed.

GOLD AND HIGH PRICES.

Every once in a while I see an article written by some supposedly wise financier in which he declares that the vast increase in gold production is responsible for the increased cost of living. I do not believe it for a minute.

It is true that the production of gold has greatly increased within the past 20 years, but it has not increased faster than the volume of business has increased. What has increased the cost of living, in my judgment, is the tremendous increase in the volume of bank credits. On a narrow foundation of less than 2 billion dollars in gold more than 25 billions of bank credits have been thrown upon the country. The banks have lent not real money, but credits. I do not believe the country has ever suffered from expansion of real money. It has suffered from the expansion of debts on which the people have paid interest.

Suppose that you were to undertake to build a house more than 12 times as wide at the top as at the foundation. What do you think would be the result? It might possibly be that you could put enough props around such a structure to hold it up so long as there was no wind, but let the wind begin to blow and down would go that house. As long as the people are confident that there is no danger this credit expansion system may go along moderately well, but let the wind of panic begin to blow and disaster is as certain to follow as that night follows day.

Instead of there being too much gold there is not enough nor will there be. As long as bank credits expand out of all proportion to the volume of actual money, the cost of living will advance.

THE WORK OF THE LEGISLATURE.

So far little or nothing has been said in the moral and agricultural guide about the doings of the legislature. The reason for this is that up to the time that a legislature gets through and adjourns it is impossible to tell with any degree of accuracy what it is doing or what it is going to do.

A bill is introduced, passes one house and seems likely to pass the other, but for some reason it is suddenly dropped. Or a bill pursues its way until it is nearly ready to send to the governor, when some member concludes that it ought to be amended. Then amendments are tacked on until the bill is changed from its original purpose entirely.

The legislature, however, is now adjourned. Its work, good or bad, is done and the people of Kansas are interested in knowing what that work was. I shall, therefore, try to review fairly and dispassionately the principal measures that finally became laws. The review will commence with next week and continue until it has covered all the measures of any particular importance.

A NEW RAINMAKER.

A Colorado man has applied for a patent on an invention to cause rain. People who remember the days of the rainmaker back in the early 90s will be mighty skeptical about this invention, but in view of the things that have been invented and made to work during the past 25 or 30 years, no man has a right to say that it will always be impossible to make rain by artificial means. Anyone who has watched a thunder storm gather and the rain follow the discharge of heaven's artillery must be convinced that the electric currents have a great deal to do with rainfall.

We have to a very considerable extent been able

to control the electric currents. We can harness electricity and make it pull unlimited loads and can send it hundreds of miles to do the pulling. Certainly there is nothing more improbable in the theory that we will some time or other be able to milk the moisture from the atmosphere than that we can send living words across the continent over a slender wire, or that we can harness Niagara and make it pull a load 300 miles away.

The rainmakers of 20 years ago were fakers, but that doesn't prove that this Colorado man is a faker. If, as a matter of fact, he has discovered a way to make rain fall whenever it is needed and in such quantities as are needed and at a cost, as he affirms, of not more than 25 cents an acre, then he is the greatest benefactor of his age.

HOME-CURED MEATS.

In another column will be found a letter from a farmer of Harper county concerning his experience with home curing of meats. Mr. Swink sent the editor of the moral and agricultural guide a piece of his home-cured bacon, which is as fine as any packing house bacon I have ever tasted. When I say that I consider that I am paying as high a compliment as I can pay to this country-cured bacon, for whatever criticism may be made concerning the packers' trust it must be said that the packing house method of curing bacon is nearly perfect.

Mr. Swink has demonstrated that he can cure the meat at home and do a fine job of it, and what is of equal importance is, that he has proved that he can make it pay to cure his own meat, render his own lard, etc.

The product of two light-weight hogs that would have brought live weight about \$28 he estimates brought him nearly \$30 for his labor in butchering, rendering the lard, making the sausage and head cheese and curing the hams, shoulders and bacon. It looks as if there is one farmer who has found a way to get the best of the packing house combine by starting a packing house of his own.

TAKES ISSUE WITH ME ON LAND QUESTION.

Editor Mail and Breeze—I have read your comments for some time and must say that they are for the most part fair and agreeable to me, but on the question of land ownership I feel it my duty to take issue with you.

You say that land is as necessary to human life and happiness as air and that no one has a moral right to hold it for speculative purposes purely. How about the hundreds of farmers who started on from \$13 to \$15 per month? I have split posts down in Jackson county for 50 cents a day and did the chores with a lantern on my arm, working morning and night. Is there any just reason, because a man is ambitious and progressive and takes advantage of no one and gets a little bunch of land, that he should be taxed so that it would be unprofitable to hold large bodies of land for speculative purposes or as the man who owns it may see fit?

Again you say that you would tax very lightly, if at all, small tracts of land that are cultivated by the owner. Would not that be class legislation, also taxing the most ambitious with an average amount of muscle and not afraid to use it?

Now, I think you will find a lot of fellows with a little land or none at all who had just as good chances and some of them better chances to succeed than those who have large tracts. Of course, there are men who have had hard luck in various ways who should have help in some way, but shall we tax the farmers who have been willing to work hard both physically and mentally so that they could have something for old age and for those dependent upon them?

If your plan is good we should apply it all along the line. Why not apply it to publishers? Take the Capper publications, for example. Put a tax on all but one, so that it would be unprofitable to publish more than one. Do you see any difference? If so, I would be thankful to have you point it out.

The Socialist platform under the head, "Collective Ownership," in paragraph 5, reads as follows: "The collective ownership of land wherever practicable and in cases where such ownership is not practicable the appropriation by taxation of the annual rental value of all land held for speculation or exploitation."

"Whenever practicable" undoubtedly means that they would offer to buy said land at a certain price whether it would be what the land is worth or not. Otherwise they would tax the land to the amount of the annual rental value.

Now, in northeast Kansas or any other good farming locality a farm rented for cash would pay for itself in about 20 years. Where the owner farmed it, it would take a much shorter time, provided he was a good farmer and a hustler. Now in most cases said farm represents the full product of the man's labor, yet Socialists demand that a man shall have the full product of his toil. When the lands were taxed to their full rental value the public treasury would be full from floor to ceiling. Of course, this would have to go back to the people, or such part of it as was left after paying the expenses of government.

Their proposition, in my opinion, is nothing but a plan to level down. Yours is much better, but still would be unprofitable. It would be useless to be ambitious and progressive. We might just as well be "weary Willies."

Oberlin, Kan.

C. C. SWISHER.

I assume from Mr. Swisher's letter that he is a man who has worked hard, economized and with his hard-earned savings has bought land. I do not know how much, nor is that very material just now. He is not the kind of land owner I had in mind. The country is not endangered much by such land owners as Mr. Swisher.

It is still true, however, that landlordism has been one of the great curses of civilization. Prior to the French Revolution a few individuals held the ownership of most of the lands of France and exploited the peasants to their hearts' content until oppression and starvation resulted in a bloody revolution.

The lands of France are now owned in small tracts

for the most part and cultivated not by renters but by the owners. As a result the French people are the best contented and the most prosperous on the average of any people in Europe. Vast landed estates made Ireland a land of poverty-stricken tenants paying tribute to landed aristocrats who were simply leeches on the industry and production of the country.

Landlordism has been largely broken up in Ireland with the result that prosperity and contentment among the farmers seem to have become the rule instead of the exception. At the bottom of the misery and bloodshed in Mexico is the infamous land system that permits the holding of vast estates by single individuals.

In the United States we have had so much land that we have not felt the evils of landlordism so much, but we have about filled our agricultural area. There is little new land left for the young hustler, such as I assume Mr. Swisher was, to get land for himself. In time the lands of this country will fall into the hands of a few and the bulk of the farmers will be renters, not owners of the land. That is not a desirable condition. It is bad for the country, bad for the renter, bad for posterity.

The difference between land and other kinds of property is entirely evident. Mr. Swisher quotes me as saying that land is as necessary for human life and human happiness as air. Well, isn't that true, Mr. Swisher? If it is true is it not also true that a few should not be permitted to monopolize that which is necessary to the life and happiness of all?

Mr. Swisher's comparison between newspaper property and land ownership is not apt. People do not have to have newspapers. It might be inconvenient to be deprived of them, but it cannot be said that they are necessary to either life or happiness.

No doubt it is true enough that many people who have no land had just as good opportunity to get it as many of those who do own large tracts of land. It might be said also that originally most of the great financial captains of this country had no better opportunity to acquire wealth than tens of thousands, yes, hundreds of thousands of other men.

John D. Rockefeller started poor, began working as a clerk at a small salary. Andrew Carnegie was a poor Scotch lad. Jay Gould was a poor surveyor, hardly knowing at times where his next meal was coming from. So you might go down the list. Most of the financial magnates started poor. They could argue that an income tax on them is a tax on enterprise and progress. They can say that other men might have been rich if they had had sense enough to take advantage of opportunities.

That is in a measure true, but the consensus of opinion is becoming more and more pronounced that it is not good for the country that a few men be permitted to control so much of the property of the country, therefore the tendency is toward graduated income taxes and inheritance taxes, especially upon large estates.

Small farms well tilled is the ideal agricultural condition. And that would not necessarily put a damper on either enterprise or ambition. When it is demonstrated, as it will be, that land properly cultivated and fertilized can be made to yield four times as much as land yields on the average in this country today, men will begin to see the advantages of small farms and the opportunities they afford for the ambitious and enterprising man.

LAND OWNERSHIP.

Editor Mail and Breeze—I am slow to take issue with you, realizing that you say so many good things and to the point, showing you have a mind capable of analyzing a proposition and a good honest purpose in giving it in plain, well-chosen language to your readers. So I will try to be as honest and frank with you as you have been with us in that when we are right, in your estimation, you endorse us, but when you think we are wrong you say so. That is exactly as it should be. My best friend is not the one who endorses my every act whether right or wrong, but the one who criticizes my shortcomings as well. He thereby aids me in rounding out a more perfect manhood.

In the Mail and Breeze of February 22, in answer to A. F. Dunton, the editor stands committed to small farms well cultivated as the ideal agricultural condition as well as the non-interference with land titles. I can understand how he can hold to said position, as I held the same position tenaciously for many years, but after 40 years of dealing with the agricultural conditions of the country and closely observing the same, was driven from that position and am now convinced that the thing that is best for all the people is to eliminate land titles along with all other special privileges.

Cultivate the land in large tracts under the direction of competent experts. The crops can be better rotated, the land much easier fertilized and tilled with less than half the expense, with the waste almost wholly eliminated.

I think if you will take your pencil and paper and figure the possibilities arising from the co-operative method from data of some of our bonanza farms, as well as the results from actual demonstrations of our college intensive farming experiments, you will stand in awe at our present crude, wasteful methods.

I see discussions almost daily concerning the grouping of the land in the best agricultural states into fewer and larger farms. There is but one answer—the larger farm is more efficient than the smaller. We can all of us see clearly now after the thing has been worked out, how the Standard Oil company can so much more efficiently handle the oil business under the one management than a thousand companies under different managements. The former means minimum expenses, scientific direction, elimination of waste; the latter means heavy expense, crude direction and enormous waste. The same law applies to the farming industry, as I believe, better results. I have title to 160 acres of Dickinson county's good average dirt. The fact that I have title to it does not make

it produce a bushel of wheat more or an ear of corn more, but it does put me in position to prevent the application of scientific methods of agriculture if I so will it. I can let it go to weeds, if I so desire, while my neighbor, without any land to cultivate, can ride by and say hard things about me, but he is helpless to interfere. The law recognizes my right to do as I wish with it, regardless of the needs of my neighbor. It is my domicile.

However, our domiciles are not as sacred as under the Roman empire or republic. An old Roman could take his wife or child out on the veranda in view of his neighbors and murder them in cold blood and his neighbors dared not say nay. The wife and children belonged to him. He could do as he pleased with them. We would hardly stand for that now, but we do stand for a principle in the recognition of land titles, and other special privileges that give us the legal right to withhold from our neighbors, if we so desire, the means of life.

We may talk of justice to our people and the beauty of the Golden Rule, but there will be no justice until all special privileges are eliminated. There will be no general application of the Golden Rule until all the forces of Nature are harnessed in such a way as to scientifically and economically do the bidding of all the people for all the people. Hope, Kan. J. M. ALLYN.

Without stopping to discuss at this time the fundamental justice or injustice of private ownership of lands, I must disagree with Mr. Allyn on the practical operation of large farms as compared with small farms. My own observation leads me to the conclusion that as a rule the large farms are not economically or efficiently cultivated.

It is likewise true, however, that very few if any farms, either large or small, are economically or efficiently cultivated. The farmer of Holland, Belgium, Germany or France will grow twice as much on a given number of acres as the best of our farmers out in this western country will grow. His land is not naturally more fertile, but he farms better, and he is the small farmer.

Theoretically private ownership of land is hard to defend. If a man has a right to own all the land he can pay for the logic of the proposition is that he might buy up all the land in a state, turn everybody else off it, build a fence round it, stock it with deer, foxes and jackrabbits and use it for a hunting park for his own pleasure, thus depriving other people of an opportunity to use the land for producing the things necessary for human life.

Practically, however, there is not so much force in this argument as there seems to be. Public opinion in this country will not stand for any such monopolizing of the land as that would amount to.

It may be that the time will come when we will be satisfied with the common ownership of lands, but it will be a considerable distance in the future. Somehow I cannot help feeling that the little farm well tilled by the owner of it is a good thing. As a rule the small farmer who cultivates carefully and well his few acres is a law-abiding, independent, patriotic citizen and I cannot help feeling also that he will do a little better job of cultivating and improving his land when he knows that it belongs to him individually than he would do if he felt that he only had an interest in it in common with all the rest of the more than 90 million people in this country.

I hope that Mr. Allyn is as good a farmer as he is a reader and thinker. And no matter what his theories may be I imagine that he cherishes some considerable pride in the fact that he is the owner of 160 acres of good Dickinson county dirt. Neither do I believe that he is a worse citizen by reason of the fact that he does own that land, or that the ownership of it debars him from putting into practice to a reasonable degree the principle of the Golden Rule.

GOVERNMENT LOANS A BLESSING?

Editor Mail and Breeze—I have been reading with much interest your comment in the Mail and Breeze about government loans to the farmers. This would certainly be a Godsend to this country. There are local agents here in Stevens county who are lending the farmers money on their land at the rate of 9 or 10 per cent. If a man borrows \$500 on his place for five years he only gets \$425, and the agent gets \$75 as his commission. But the farmer pays interest on \$500.

I have borrowed money from the banks of Hooker and Guymore, Okla., our nearest railroad towns, and have never paid less than 14 per cent and sometimes as high as 16 per cent. This should not be, but is nevertheless true. If the government would lend money to the farmers at a low rate, what would these poor bankers do? They would probably be like the boy who took castor oil. They would say, "It's h—l, but the directions say take it."

I have always said that I would be the last man in the county to take up Socialistic principles, but if they would come to western Kansas with some of their dynamite and internal machines they might find some good subjects to practice on. The Socialists have some fine ideas, but it is my opinion they will never succeed till they take out the "anarchist" plank from their platform. N. DWIGHT.

I do not know to what plank in the Socialist platform Mr. Dwight refers as the "anarchist" plank unless it be the one which declares for "absolute freedom of speech and press," and I really think no right-minded Socialist will endorse that plank if pinned down to it. Most of us are in favor of free speech

and a free press with reasonable limitations, but "absolute freedom of press and speech" is an entirely different proposition. If some half-drunken rowdy should come down the street filling the air with vile and insulting language, my judgment is that the Socialist brother would be as ready to suppress him as anybody else.

Neither should the newspaper be permitted to abuse its great power. The newspaper has the power if it chooses to exercise it and is permitted to do so, to ruin the reputations of men and women by vile and malicious slanders. It can ruin a man in business, break up his home and hound him to death. It should not have any such power.

However, Socialism is not anarchy. Indeed, they are the opposites of each other. The anarchist wants to abolish government entirely. The Socialist, perhaps, goes to the other extreme and wants to govern too much.

However, that does not have much to do with the question of government loans to the farmers. That is a matter that farmers of all parties ought to be for, and not only farmers, but those living in towns who want cheap money to build or improve their homes and to put into legitimate business.

THE CHARITY BALL.

A subscriber at Wakefield, Kan., Mr. Schweizer, sends the following account of a charity ball held at Chicago. Perhaps the language used is a trifle extreme, but with the general purport I agree:

The plumes of Chicago, the most exclusive of them, relieved their consciences the other day (an annual performance with them) by giving a "charity" ball. If there is anything that fires the blood of a normal human being it is this hideous travesty on charity, this mockery of the miserable, this utter bestiality in the stark-nakedness of "full dress."

Dancing a jig on a coffin with a corpse in it 's a good imitation of a "charity" ball. Think of these bejeweled swine swilling champagne and cavorting about in the "bunny hug" to feed starving, wretched creatures who are on the verge of suicide!

This is their conception of "charity," an unerring index of their own complete degeneracy.

The following figures in reference to this particular "charity" debauch taken from the daily papers are both interesting and suggestive:

Wealth of families represented.....	\$500,000,000
Cost of jewelry worn.....	10,000,000
Cost of clothing worn.....	1,000,000
Cost of fancy costumes unusable after the ball.....	100,000
Most costly jewelry worn, Mrs. Harold McCormick's chain.....	250,000
Received from cafe for drinks.....	10,000
Total receipts.....	43,000
Expenses of the ball.....	29,000
WHAT CHARITY GOT.....	14,000

It will be observed that \$10,000 worth of books was guzzled to express the "charity" of these vampires for the victims whose life-blood they are sucking. It will also be observed that \$100,000 was wasted on fancy costumes specially provided for the occasion and useless after it was over.

In these two items alone we have a pure waste, wanton and vulgar enough to be called criminal, of \$110,000 that the paltry dole of \$14,000 could be handed to the poor along with the beating of the drums to show to them how charitable are the "upper classes."

There was not a charitable impulse in the whole filthy exhibition. It was an insult to charity and a disgrace to the community.

SENDING THE MILITIA TO A PRIVATE PICNIC.

Editor Mail and Breeze—I note in the dailies that the legislature is likely to appropriate \$5,000 to pay for the mobilization of state troops at Belle Waggner's picnic. I note also that he stated before the senate that the lessons taught and the example set before the 15,000 or 20,000 children under 16 years of age would be wonderful, glorious, patriotic, etc.

I care little on what the legislature fools away the people's money. That would be done in any case, but how can we reconcile such an act as the above with the idea of teaching universal peace? I also wonder how universal peace and the end of armies, navies, war, bloodshed, etc., will be hastened by enlisting thousands of boys (and in like organizations, girls) in Boy Scout armies which are wholly and purely military in character and discipline and were and still are founded by Baden Powell as a step toward universal military discipline in all parts of the British empire. What think you?

A FELLOW NEWSPAPER MAN.

I suppose the proposition to appropriate \$5,000 to send a regiment of Kansas militia to a private picnic was simply intended as a bit of harmless gush and flattery to the senator from Atchison. I cannot believe that the legislature will finally make such a fool appropriation.

Of course, it is indefensible. There would be as much justification for making an appropriation to trot the state militia round the state to be put on exhibition at every county fair and old settlers' reunion as there is to send it to this picnic.

So far as the Boy Scouts are concerned, I can hardly agree with my brother editor. I have never got enthusiastic over the Boy Scout movement, but have regarded it as harmless at the worst and possibly of some benefit in that it teaches the boys discipline and order, which is not a bad thing for any boy, and tends to develop in them the spirit of helpful kindness, which is also a good thing.

I do not understand that in this country, at least, the boy scout is impressed with the idea that he is being trained to fight, but just the contrary. Possibly I have gathered a wrong impression about the plan to organize Boy Scout companies, but if my information is correct there is nothing in the movement that will inculcate a love of war or desire for the life of a regular, professional soldier.

Nice fellows, and good handshakers are all right in their way, but public officials should first be good business men.

—ARTHUR CAPPER.

SEED GRADING "MAKES" CORN

Suggestions On Grading, Shelling and Testing

BY C. P. HARTLEY

In Charge Seed Corn Investigations U. S. Department of Agriculture
Written for Farmers Mail and Breeze.

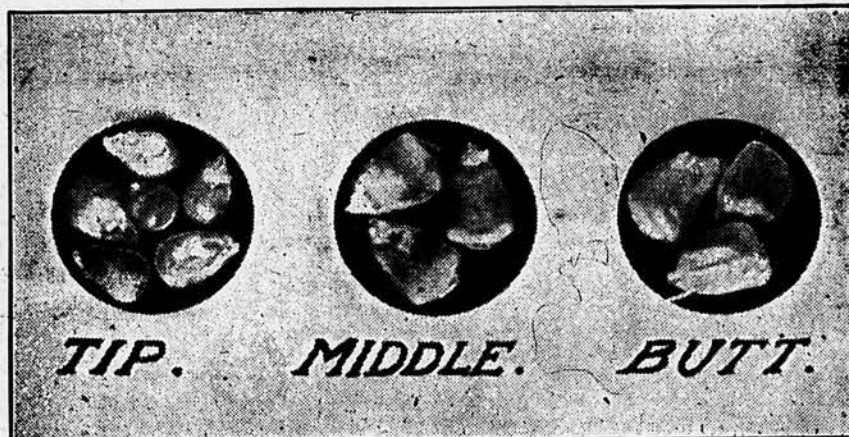
SOIL and the seed are two prime items in obtaining a profitable corn crop. The seed supply can be greatly improved in quality and productiveness by discarding the poor ears and poor kernels. The best time to grade seed corn is before shelling. The office of corn investigations of the U. S. department of agriculture has proved by careful field experiments that an ear having kernels of undesirable shapes produces ears most of which have kernels of undesirable shapes. All ears that are undesirable for one reason or another should be discarded before making germination tests.

Good Care Obviates Much Testing.

Those who have neglected to take good care of their seed corn may now find "dead" ears among their supply. In such cases it will be profitable to test the germination of each ear separately. Where well adapted varieties are grown that properly mature before frost, poor germination has never been found among ears selected as soon as mature and cared for properly. Those who have given their seed proper care should pick out 100 representative ears and make a germination test of 10 grains from each ear. If these ears germinate well it is not necessary to test the remainder of the seed supply.

Small Kernels Less Productive.

Before shelling the small kernels should be discarded from an ear or more off the tips of the ears. Accurate field tests have proved these small kernels to be less productive than the fully developed kernels of



Accurate field tests have proved the small tip kernels to be less productive than the fully developed kernels in the middle of the ear. The thick irregularly shaped kernels of the butt produce satisfactorily but will not drop uniformly. If you want a good even stand, before shelling, reject the kernels an inch or more off the tips of the ear and discard the butt kernels.

the same ears. The thick, irregularly shaped kernels should also be discarded from the butts of the ears. These kernels produce satisfactorily but their size or shape prevents the corn planter from dropping them satisfactorily. It is convenient to nub the entire supply of ears before the shelling process is begun.

Many farmers who plant 20 or 40 acres of corn, carefully shell their

seed by hand and are profited by so doing. A few remarkably successful extensive corn growers shell hundreds of bushels by hand. Where much seed is required there is a strong temptation to run it through the corn sheller. Hand shelling is profitable for the small farmer and more profitable for the extensive farmer. The sheller breaks or cracks some of the kernels and there is not the opportu-

ity of examining kernels from different portions of each ear as in shelling by hand. After being nubbbed the proper way to shell the seed ears is to shell by hand, one ear at a time, into a sieve that will let the chaff fall through and leave all the kernels from the ear in plain view for inspection. If unsatisfactory, all the kernels can be easily discarded and another ear shelled. The ears should not be shelled directly into the general seed supply for it would then be difficult to separate and discard the undesirable kernels.

A Poor Planter Is Expensive.

If the corn planter gave trouble last spring better order a new one. A poor corn planter is an expensive implement to use. Even though the planter dropped satisfactorily last year, it should be tested with this year's seed supply before planting time arrives. The kernels of a variety of corn frequently vary in size from season to season and different plates may be needed this year from those used satisfactorily last year.

Under favorable field conditions 10 or 20 per cent of the kernels or young stalks are destroyed. Where extensive plantings are made with first-class seed and thinning is impracticable about five kernels should be planted for every four stalks desired. Where help is obtainable that will attend properly to the thinning, it is more profitable to plant twice as many kernels as stalks desired and thin out the weak plants as soon as they become too large and hard to be destroyed by cutworms.

MUCH IN SEED SELECTION

In This Way Corn is Continually Bred Up in Yield

BY T. L. CAVENDER

Beloit, Mitchell County, Kansas
Written for Farmers Mail and Breeze.

OUR problem in Kansas is not how to grow more acres of corn but how to grow more per acre and more for each day's labor. The encouraging feature about corn growing is the fact that it is possible by good farming to grow large yields of corn and yet leave the soil in as good or a better condition than we found it.

I want to give you the results of a variety test of corn carried on in co-operation with the Agricultural college at Manhattan. The test was planned and carried out to show comparative yields of several varieties under the same soil conditions. The following table shows the varieties and yields produced.

Variety.	Yield per acre bushels
Local variety Boone County White.	38 1/2
College variety Boone Co. White.	32 1/2
Kansas Sunflower	97 1-10
Commercial White	81 1/2
Reid's Yellow Dent	62 1/2
Pride of Saline	97 1/2

These results show that the Kansas Sunflower and Pride of Saline are the best yielders for this section (Mitchell county) and are therefore the kind to grow. In addition to the fine yield, there was not a worm noticed on an ear of the Sunflower corn while all the white varieties were pretty badly infested.

I select my seed corn early in the fall just before husking time. I study the plant from which I want to choose the ears, noting the height, size, number of stalks, surroundings of hill, height of ear, how the ear hangs to the stalk, and number of leaves on stalk. The man who husks likes to see the ears hang down. This makes husking easier. The man who does not notice the ears so much as to ease of husking, but he does notice the leaves on the stalks. These leaves make the best of feed when put into the silo but are a waste when left to winter in the field.

In choosing my seed ears this way I can tell just where the ear came

from and know the plant that produced it. To select seed corn from the crib is like striking at something in the dark.

In selecting the ear for seed I notice the color, length in proportion to circumference, the number of rows and distance between rows. The rows should be close together and the kernels wedge-shaped, thus allowing more rows to the ear. The rows should be straight, tapering but slightly towards the tip of the ear.

There are many good ways of testing seed corn that are simple enough for a 10-year-old boy to carry out. It

is also a good thing for the boy to do as it will increase his interest in farming, also saving the father that much time. For our large acreage we test about 100 ears at a time. Four or five kernels are taken from each ear and planted in a box of moist sand or earth, covered with wet folds of paper. The box is then covered with boards to retain moisture. The per cent of germination shows which ears are good and which bad.

There are various good methods of storing seed corn. One good way is to make a round rack of woven wire and hang the ears to it with short

pieces of baling wire. Another good plan is to drive large nails through boards placed at an incline and stick the butt ends of the ears on these nails.

It is high time we farmers were waking up to the importance of and possibilities in breeding and growing good corn. It is the most important, most inexpensive, and yet best paying of our farming operations simply because we must grow corn before we can feed livestock.

What 2 lbs of Prize Corn Can Do

Mr. Editor—I received the premium package of "Grand Champion White" seed corn. It is fine. I discarded about 100 of the smaller and irregular grains of the 2,860 that the 2-pound package contained, which would make about 1,400 medium sized, thoroughly dried grains to the pound. Two pounds should plant about one-third of an acre, if planted one grain every 18 inches apart, counting 5 rows 160 rods long to the acre. The 2 pounds should yield about 25 bushels, counting 100 good-sized ears to the bushel, if well cultivated upon good soil, with a favorable season and the bugs not too bad. Then if these 25 bushels of purebred seed corn were distributed and planted the following season you should certainly have the credit of being a public benefactor.

The average farmer will not take the time nor has he the inclination to breed up his seed corn. Last year we had an ideal season for the soil to retain moisture, but the bugs were too many. One drawback in co-operating to fight bugs is that it is damaging and risky to burn, hay and pasture. We like to read Tom McNeal's writings and will vote for him when his time comes.

H. W. Rhodes.

Hope, Kan.

"Farm Folks Have Great Faith In the Mail and Breeze"

Editor Farmers Mail and Breeze:

I am inclosing a few ideas on "The farmer's office". I have used all of the office fixtures mentioned in the Mail and Breeze for 15 years (typewriter at present disabled), and find them of great convenience.

I am much pleased to see the Mail and Breeze taking such an interest in the general uplift of farm life, and especially in the boys. It occupies a field of great opportunity. Our farm folks have great faith in it. I even find it in some of the best homes of our towns. It is the greatest university for the general uplift of the substantial interests of Kansas that the state has. Long may it live and prosper.

GEORGE H. HOADLEY.

Brookwood Farm, Selden, Kan., March 4, 1913.

This is a pretty fine compliment from a fine farmer. Mr. Hoadley is one of the substantial men of northwestern Kansas who has demonstrated that right methods bring the desired results just as surely in western Kansas as elsewhere. He is also one of Kansas' leading breeders of Shorthorn cattle and an authority on the history of the breed.

—Editor.

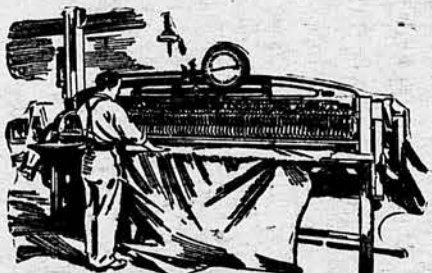
Studebaker

How Studebaker Automobiles are Made

A Heart-to-Heart Story. No. 4

OUR last story gives us the running part of the car complete. The running part of the car without the body is called the chassis. Before we go on to the Studebaker methods of body manufacture we wish to call your attention to a few points regarding the Studebaker chassis.

First—the steel frame of the car. The frame is the backbone. It carries and forms a protection, so to speak, for the vital organs—the motor, transmission, propeller shafts, rear axle, etc. The steel pieces which make up the frame are formed in what is called channel section. They are cold rolled from specially prepared tough steel which, like a bridge, is built with twice the strength necessary to carry even the heaviest load that will ever be placed upon it. The strip of steel is cut exactly the right length and then



Machine for measuring leather to get every inch of its good surface.

placed in a gigantic press, which bends the two edges at right angles with the face, this is what is meant by "channel section." It is bent this way to give it strength to meet strains in every direction. The long side pieces are held together by cross pieces, or cross members as they are called, which are riveted and braced (gusseted) to the side members. The rivets are heated almost to the melting point before they are put in the holes. When the automatic hammers strike them, they expand to fill the holes exactly and at the same time, they are riveted down against the steel side pieces forming a joint as strong and as secure as a weld. A Studebaker frame will not work loose in years of the hardest service. The placing of these cross members in the frame has been carefully studied and they are located at exactly the points where the greatest strains come.

In speaking about the chassis, again we would like to mention the great advantage of owning a car which is manufactured and not assembled. The Studebaker car is manufactured. The motor, the rear axle and transmission and every part are made in our own factories in direct relation and harmony with each other. In an assembled car, however, the motor is purchased from one manufacturer, the rear axle from another, the transmission from a third, and so on. This means that the entire car is no better than the weakest part. This means, also, that these parts are brought together in the chassis, assembled and compelled to fit each other as best they can. In the Studebaker factories every part of a Studebaker car is made for every other part. This is why a Studebaker car will run so smoothly and so silently; none of its power is wasted in the attempt to adapt one part of the car to another part. There is a straight line drive between the motor and the rear axle and every part is perfectly adjusted and perfectly fitted to harmonize with every other part. This is what gives the Studebaker car the speed and the power with minimum consumption of gasoline. Every part is of the highest quality; there are no weak parts to spoil all the good parts.

After the chassis is completely built and tested by miles of actual hard driving over a test course of country roads, it is steam-cleaned, painted and made ready for the body.

The body of the automobile is a very important part, and especially so from a sales standpoint. The body is the

thing that you see, it is the only thing, unfortunately, that a great many people see in buying a car. A poorly made body can be painted, varnished and upholstered to look exactly as good as the best made body, but a season's wear will tell the tale. You will find joints opening, paint checking from the vibration and strain of the metal work, leather pulling apart and many other evidences of poor body construction work.

Studebaker bodies are Studebaker made from the rough frame work to the twenty-fourth coat of paint which goes to finish them. First a Studebaker body is made of a special grade of sheet steel, which will give the least expansion and contraction in changes of temperature, and which has a surface especially prepared to take a glass smooth final finish. This sheet steel is placed upon a framework of hardwood, braced, reinforced and mortised together under specifications which it has taken years to develop. The steel brace work in the Studebaker body is drop forged. In most bodies you will find that wrought iron and malleable iron are used instead of steel. The framework of the body is put together by men who have spent years in framing Studebaker vehicle bodies.

The Studebaker Corporation makes its own auxiliary seats, it is one of the few automobile manufacturers that makes this part of its car. The method of fastening them to the side of the body is distinctly "Studebaker," and the fastening is drop forged steel engaging with two body braces, which make it impossible for a Studebaker auxiliary seat to work loose.

It will require a herd of 150,000 cattle to furnish hides to supply the Studebaker factory with upholstering in the season of 1913. These hides must come from full size cattle and they must be of select quality. Only the outside layer of the hide next to the hair is used. This means that every available inch of the hide is used and it takes three hides for each car.

There is probably no furniture manufacturing concern in the world where more skilled workmen are required to cover the finest furniture than those required to trim automobile bodies in the Studebaker factories. If you visited the Studebaker factory you would be surprised to see the amount of hand work that is used in upholstering a Studebaker car. Even the cushions are made by hand. The leather, of course, is stitched by a machine, where machine stitching is better for this purpose than hand stitching, but the cushion is stuffed with hair, tufted and placed upon the springs entirely by expert hand work. In looking at the next automobile, remember this point: it is practically no more expensive to provide 15-inch upholstery than it is to



Studebaker Automobile Bodies are upholstered by hand.

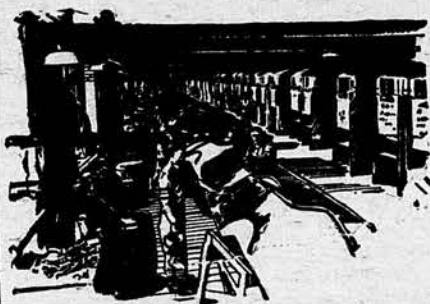
provide 10-inch upholstery. It is usually a question of the length of coil steel springs. The car that seems the springiest when you sit in it first may be the first one to cave in—like the old lounge at home—when you give it a little hard usage on the road. Studebaker upholstery not only depends upon coil springs for its depth, but also upon

good quality of hair and plenty of it.

The springs that are used in the cushions are reinforced in every direction and we guarantee that Studebaker seats will not cave in at any time. They will not bulge at the edges even after many seasons of hard wear. Our secret of making a cushion this way is simply the secret of good hand work and an ample supply of good material and plenty of painstaking thought in design. The piece of upholstering in the back of a Studebaker car is about 15 feet long—it is made with the same painstaking care as the cushions. It is subject to the same guarantee. It is made of the same quality of leather. It is put on the car by the same skilled hand work. When it is completed it is as good as the highest grade upholstering on parlor furniture.

Running around the top edge of the body, there is a molding of real walnut—not imitation walnut stained to resemble the real thing, but real walnut. It is fastened on the body frame work with screws set in washers. The holes are drilled and the screws put in by hand and with the most careful workmanship.

Probably one of the most interesting operations in body finish is the painting operation. The body of the Studebaker car is painted, rubbed and varnished twenty-four times before it is finished. There are six coats of filler put on the body and rubbed before the first coat of color goes on. This rubbing process is done by hand—every inch of it. It is rubbed with a piece of pumice stone of special quality which is as smooth as a razor hone. These various rubbing processes work the filler into the metal until the surface becomes as smooth as glass. Then coat after coat of color paint is used and each coat rubbed with the same care and until it shows the same glass-like finish. It is particularly interesting to see the skilled workers place the varnish over the color work. The richness of the color stands out under the very first coat of varnish like magic. The succeeding



Six coats of paint foundation are rubbed on the Studebaker body before the first coat of color is put on.

coats of varnish give depth and added richness to the color and also durability to the finish. These are the marks of its quality and an indication of the skill with which it is applied. It has the quality which will make it stand for years without checking or without tarnishing, provided proper care is exercised in washing the car.

It takes several weeks to build a body for a Studebaker car, but when the body is finished it represents one of the highest specimens of upholstering, painting and varnishing known to the art of body building.

The designing of an automobile body is a very important part of automobile manufacture. Skilled engineers and designers work for months to plan the new model body on paper before the first step in pattern work begins. There are dozens of measurements to be taken into account, and every inch of room must be planned to give the greatest amount of convenience and comfort to the users of the car, and at the same time the lines and shape of the body must be beautiful, symmetrical and graceful in every particular. The next time you look at a Studebaker car, compare its wide doors, the ease with which you may enter or leave the tonneau or the driver's seat, the perfect fit of the seat cushions and back, the ample room for you to lounge and stretch out—compare these features with those provided by manufacturers who ask twice as much for their cars as we do.

Perfection is made up of small details. Notice, in the Studebaker car, that the carpet is fastened to the floor with a ball and socket fastener. It will not scuff up under your feet. Notice the care with which the small fittings are put on. The exactness and perfection in Studebaker workmanship is especially evident when you compare it with that used by the manufacturers of other cars. The nickel work on a Studebaker car will not wear off and show the brass beneath. Notice

how well the doors on the Studebaker cars fit. Notice the mortise work of the locks and fasteners. These are the little things which you can see and which indicate the careful workmanship in building Studebaker cars.

The Studebaker Corporation makes its own tops complete. We do not buy a top in the open market and adapt it to our bodies, but we design and manufacture the top in perfect harmony with the body. We buy 600,000 yards of cloth to keep the owners of Studebaker cars dry in wet weather and shaded from the sun in tropical climates. This is another place where buying in enormous quantities



The sewing room of the Studebaker Top Factory. The tops of Studebaker cars are cut and made as carefully as the finest garments.

gives us splendid market opportunities. Not only can we select the highest grade material but we can buy it at a price which other manufacturers pay for inferior material.

Here is an important thing for you to consider in buying an automobile. If you select a car manufactured by a manufacturer who produces cars in large quantities you can be sure that every part of it is built by skilled workmen. It is only under these conditions of quantity manufacture that true specialization can be obtained. There is enough work in our factory to keep certain men continually busy doing certain things. This is particularly true in our top department. For instance, one set of men do nothing else but place the top sheets of mohair on the frame work of the top. The precision with which they do their work is a precision learned from years of specialized effort in the same direction. We might take every part of our top, and in fact every part of our car, and go through it the same way. The Studebaker car is one of the finest examples in the world of the quality produced by highly specialized labor. The cutting of the cloth, the fitting in the tops, is done by experts as skilled in their work as those who cut the most expensive clothing—they have the same kind of patterns to go by and the same high standard of accuracy is required. All work is subjected to the most rigid inspection. This is true in every part of body manufacture. Every operation has its inspection.

It is difficult to put on paper the tremendous power and capacity of such an organization as Studebaker, which seems so simple and which yet embodies the enthusiasm and energy of so many thousands of skilled men. Yet this power is real, it is vital, and we hope you are coming to feel it. Our next and last story will appear in the Mar. 29th issue. Look for it. In the Studebaker Proof Book we tell more than we have been able to tell here about an automobile and explain things everyone ought to know on this important subject. Tear off the coupon below and send it to us. We will send you Proof Book immediately.

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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.

Now that the ice has dropped from the trees we can begin to see about what damage has been done. Forest trees like cottonwood and soft maple have been badly stripped but the damage in this case will be only temporary for they will soon branch out again. Besides this, we could not feel very badly if more limbs had been stripped off for we are not fond of either kind of tree.

The most damage has been done to peach trees, especially those several years old. While it is not likely the damage is as great as it looked to be when the ice was hanging on, it is bad enough and the peach crop will be cut short about 40 per cent if looks go for anything. A few apple trees have suffered but they, as well as most kinds of forest trees, are tough enough to stand a good deal of bending without a break.

From what we can learn this ice storm was about at its worst right here in Coffey county. North of here the storm ran more to snow while south it rained and did not freeze on so badly. Here it rained, freezing as fast as it fell, then it sleeted and finally wound up with 3 inches of snow. Since then we have had more rain and now we are having more snow. All this means plenty of moisture for the ground when it thaws out.

But if the farmers have lost considerably by the storm their losses are but small when compared with those of the telephone companies. Practically all the lines in this section were down and our line to Gridley is not working yet, a week after the storm. The local line is standing and we can talk to all the neighbors but that is as far as we can go. It reminds us of the railroad that the Populist legislator told about some

years ago; it has "no termini at any end."

Since yesterday morning we have found 28 dead hens in the hen house. What has caused their deaths is something we cannot figure out. They seemed in good health and no sickness was noticed. We are hoping the worst is over for none has died within the last few hours but we may lose the whole flock. We are familiar with all the common run of chicken diseases but if this is a disease it is a most deadly one. Circumstances indicate poison but we know of nothing they could have eaten out of the ordinary.

There seem to be fashions in sale bills that are not long in spreading over the whole country. Some years ago on such bills all old horses were described as being 10 years old no matter how old they really were. This soon became such a joke that no one gave credence to any statement of age and the horse that was really 10 years old had to go under the suspicion of being perhaps 20. Then came the style "smooth mouth" and this is now the billing of all horses so old that their age is not to be mentioned. The buyer takes them for what he thinks they are and the seller tells no lies about it.

Now comes another fashion in the matter of billing. All milk cows to be sold are billed as "extra good" and it is really wonderful to see how many extra good milk cows there are in a country of beef cattle. These terms are not confined to one locality for we see that the bills in our Nebraska papers all hold out the promise of "extra good" milk cows to be sold. This phrase has been worked to death and no longer means anything. The fact of the matter is, there are few extra good milk cows in this country when compared with what extra good really means in a country where dairying is done.

We have an inquiry from Oklahoma asking if Sweet clover will grow on wet land. We cannot say whether or not it will grow on land where the water table rises to within a foot or two of the top; perhaps on such land the tap root would rot off. Years ago, in Nebraska, we sowed some Mammoth clover on land where the water came to within a foot of the top in a wet time and in this clover was a little Sweet clover seed. The Mammoth clover all died but the Sweet clover lived and grew as tall as a man's head. It might not do it in every case but it did that once.

As to standing wet that lies on top of the ground and does not drain away we think Sweet clover will do as much as anything in the legume line. We have seen it grow and flourish on flat land where the gumbo was not more than 3 inches down and this in a wet season, too. So we think we are safe in saying that Sweet clover will grow where any of the clover family will unless it be Alsike. There is a seepy spot on this farm beside the road and here Sweet clover is growing well and this where water is oozing out for half the year.

A Jewell county reader has a 6-acre field on which alfalfa killed out in 1911 and on which cane grew last season. He asks if it would be a paying proposition to sow this for hog pasture putting half in rape and the rest in cowpeas. It certainly would if hog pasture was wanted. The rape could be sown early and in about six weeks would furnish pasture which could be used until fall if not pastured too heavily. Then when new corn came he would have an ideal proposition for fattening hogs without buying mill feed. The cowpeas would furnish what was needed of a protein nature and we think our reader would find that he never made hog meat cheaper before. A fair yield of

the cowpeas would be from 7 to 12 bushels per acre.

This reader does not want to plant this field to corn as he says that corn is a poor proposition there on alfalfa ground. We have heard many complaints of late that corn did not do well following alfalfa and this in the face of many writers who follow theory and proclaim that alfalfa sod is ideal for corn. It may be that our dry seasons are the reason corn does no better following alfalfa for it is notorious that alfalfa exhausts all the moisture in the soil. Should we have wet seasons again it may be that corn will grow well after alfalfa; it may also be possible that alfalfa exhausts some of the elements of fertility and that potash or phosphorus is needed on some soils following continual cropping with alfalfa. But if the alfalfa was fed on the farm and the manure returned to the soil, that ought to make everything right except moisture.

A reader who lives in Mound City, Kan., says that he had a 3-acre field of rape last year which did not furnish pasture enough for 11 head of hogs and pigs and he says the rape was sown on good, deep, black soil, too. We are at a loss to explain why it did no better for even on the poorest soil it will usually grow better than this. Rape is like any other plant in that it will grow best on rich soil but it has always made good pasture for us even when sown on land that might be counted thin. We do not assert that rape is the best hog pasture in the world for it is not. But it is the best thing we have here for short notice pasture and it is the cheapest thing that can be sown also. We know that oats will make good spring hog pasture and that it is as easy to start as rape, but we do not care to have a chinch bug nest right alongside our corn, so we do not sow oats. It is because of the chinch bugs that we do not advise sowing small grain for hog pasture. If the pasture is not near anything the bugs can damage, it will be all right to sow oats. Hogs sometimes do not eat rape well for a day or so after being turned into it but it does not take them long to get to eating it. Rape is a fine conditioner and keeps the hogs from becoming constipated, even if fed corn and Kafir with no mill feed.

Electric Welding Universal.

Welding by electricity has long been successfully established as the only process to perfectly amalgamate two metals into one. You have hardly a tool or piece of machinery on your farm but that is electrically welded where there is a juncture of metals. The present state of perfection of garden and barnyard tools, mowers, reapers, binders, threshers cultivators, kitchen utensils, dairy machinery, edge tools, chains, automobile engines and steering gears, bottom of oil cans, frames of bicycles, etc., is made possible through electric welding. The same process produces "Pittsburgh perfect" electrically welded wire fencing, which is a solid, one-piece fabric enjoying many distinctive advantages, among them being the ease with which it is strung, the great tension to which it can be stretched because of the absolute elimination of "long" and "short" line wires, the smooth surface making wire cuts impossible, and the neat appearance of the fence. Modern methods of manufacture in many lines have been greatly benefited by the discovery and practice of welding by electricity.

Can't Believe His Eyes

Mr. Editor—I want to ask the readers of your paper how many of them ever saw 10 as perfect ears of corn as are in the picture on page 9 in the Mail and Breeze of February 8, 1913. I think it is easier for some people to make pictures than corn. Can Mr. Bristow deliver the goods—corn like the picture? I will give \$1.00 for five ears as good as the picture shows, as I would like to see some of that kind. I have never seen an ear of corn as perfect as the picture. Let's hear from others.

S. D. Seever.

Smith Center, Kan.

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Mail us coupon below (or even just a postal card with your name and address) and we will ship you a 2 lb. can of Corona Wool Fat together with full directions how to use it. We want you to try it for 20 days after you get it, and then if you are satisfied with the results send us \$1. If you are not satisfied just say so and you will owe us nothing. We take all the chances.

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CORONA WOOL FAT must not be confused with ointments which have grease or oil as a basis. The hoof of a horse is from 60% to 70% water, and grease and water do not mix. That is why CORONA WOOL FAT succeeds where other remedies fail. It is not a grease, but the fatty secretions extracted from the wool of the sheep. It is readily absorbed by the skin and the hoof and will actually grow a new hoof on your animal. It causes no pain, burning or blistering, and leaves no scars. It will never become rancid or decompose.

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Gentlemen—Please send me at once a 2-lb. can of your Corona Wool Fat. It is understood that I am to use this for 20 days in accordance with directions, and if I am satisfied with the results I will send you \$1.00 to pay for it. If it does not do as you claim I will owe you nothing.

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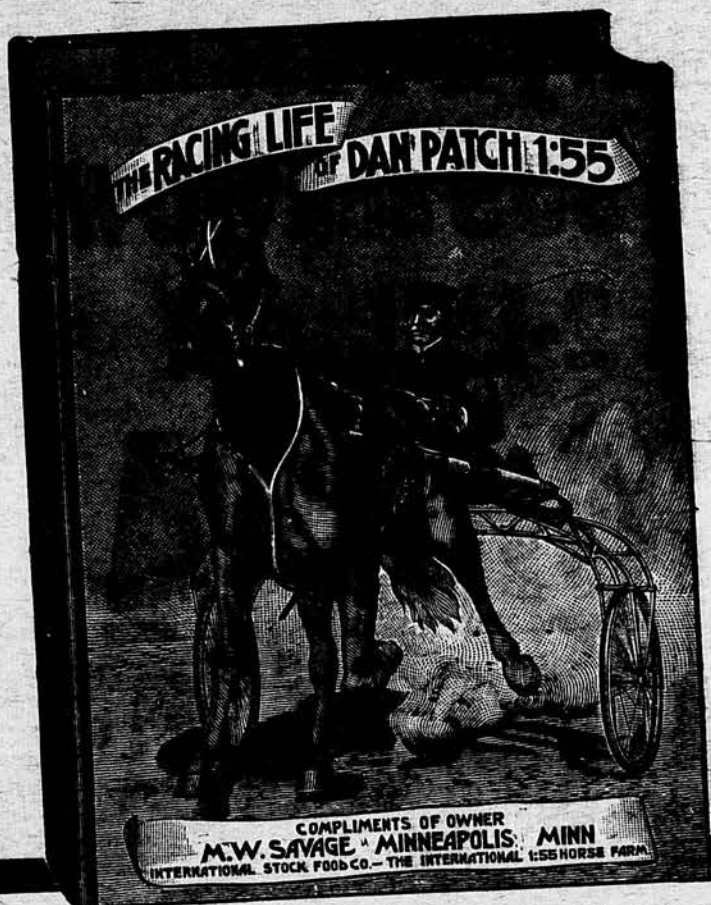
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This Galloway Disc Grain Drill has been improved and developed until it now stands head and shoulders above any other Disc Drill in the world.

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We have put this Drill to harder tests than it will ever be called on to stand in actual service. For years it has been used on the Galloway Bros.-Bowman big Canadian Farm and on William Galloway's Iowa Farm, doing actual work putting in a real crop. That is the kind of test you can rely on because we crowded on to this drill more hard work in one season than a drill will get in ordinary use in four or five years. We wanted to bust the machine if we could and find if it had any weak points, but we found it so strong and durable that even the hardest work of the Northwest, where a drill must be built extra strong to stand up under the severe strain, will not affect it.

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We absolutely guarantee that these new Galloway drills are made of better material, have more exclusive and desirable features, are stronger and more durable and will stand up and give better service than any other line of disc drills ever made. We are perfectly willing for you to try one on your own place in any kind of soil, doing the hardest work you can put it to for 30 days. If at the end of that time you are not thoroughly satisfied that the machine is all we claim for it and by far the very best disc drill you ever saw, ship it back to us and we will refund every cent of your money and pay all freight charges.

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Full description of the Galloway Disc Drill Line is given in my Big Free 1913 Catalog showing everything for farm, home and family use. Hundreds of bargains that will save you real money. Don't fail to get your copy. Postal brings it Free.

Let Farmers Sell Their Credit

A Scheme For Co-operative Farm Loans

BY W. T. WILLIAMS, Shawnee, Oklahoma.
Written for Farmers Mail and Breeze.

Editor's Note.—Mr. Williams's plan, whereby the farmers of a county may form co-operative loan associations and do their own financing, is followed in some respects by the land mortgage banks of Europe. A description of their methods will be given in a later issue of the Mail and Breeze.

I HAVE read with interest the several articles published concerning government farm loans. The object sought, low rates of interest for farmers, is a very desirable one. But is it necessary, or desirable, that the government embark in the loan business on such an enormous scale, to reach this result?

The thing to be worked out is plenty of money at reasonable rates, say 6 per cent per annum, and the loan made and money obtained in the briefest time, and in the least complicated and least expensive method. There is abundance of money in the great money centers to provide the farmer with money at low rates, if the security is good. But with low interest rates must come less expensive methods. Let the farmer drop the idea of borrowing from the government, furnish his own security, go into the great money centers for funds, and be independent. If the farmers are willing to pay the price in hard, consecutive right thinking and united action they can give themselves this relief. How?

A Farmer's Loan Association.

Let the farmers of any county, or any number of counties, get the legislature to pass an act authorizing the incorporation of a Farm Loan association. Have the act provide that each farmer may convey his lands to the association as a basis of credit; the association holding the legal title in perpetuity, or until dissolution, as a basis of credit only; so that the entire body of the land included in the association would be pledged as security for the money borrowed by the association.

Now if the farmers of a county incorporate, we will suppose there are 1 million of acres of land in the county, and that this land is worth on an average of \$50 an acre. This would furnish landed security of 50 millions in value. We will say the laws and the act of incorporation authorize the association to issue debenture bonds against this 50 million dollars worth of real estate to run from 20 to 70 years, which shall be a first lien on every acre of this land.

Bonds Issued and Sold.

The association can then take these debenture bonds and go into the money centers and obtain money at 4 to 5 1/2 per cent.

Suppose the association needs, say, \$500,000, to lend to the farmers of the county. That would be only 10 per cent of the total security. The debentures are issued and sold and the money obtained for which the association pays 5 1/2 per cent.

When each farmer transfers his land to the association his farm is appraised and its value fixed, and recorded on the books of the association. This value is the amount of his credit for the purpose of borrowing from the association. We will say the value of his farm and the basis of his credit is \$5,000. Let it be supposed that the rules adopted to govern the transactions of the association limit his borrowing capacity to 80 per cent of the value of his farm; this farmer would have a borrowing credit of \$4,000.

When a Farmer Wants a Loan.

Now, suppose this farmer wants \$1,000 for five years. He goes to the office of the association and makes written application for a loan of \$1,000. His application is filed, a note for \$1,000 is drawn, payable to the association, bearing 6 per cent and he signs it. No mortgage, no other security, or signers. He is given a check for \$1,000; no commission, no recording fees, notary fees, no fee for examination of abstract.

Now, if he should find that he needs \$200 or \$300 for three or five months, for the movement of his crops, he makes his application, signs a note and gets the money.

As the management of the association will cost something, the association ought always to have a small surplus on hand without borrowing. This can be provided with small expense to each member, and the members of the association can well afford to contribute to these purposes.

Part of it can be raised by lending money to the farmers at 1/2 of 1 per cent above what the association borrows money on its debentures. \$500,000 borrowed at 5 1/2 per cent, and lent at 6 per cent would make a profit of \$25,000 annually. Then let each farmer be assessed annually 1/2 of 1 per cent on the value of his farm. On the basis of 50 million dollars, the value of the farming land in the association, this would provide an annual income of \$250,000; and the man whose farm was valued at \$5,000, would pay annually to this fund for the privilege of borrowing money at 6 per cent, the sum of \$25. These figures and per cents are for illustration only. They can be varied as experience dictates.

There are many details not mentioned here. But it is believed that every possible objection to the plan can be met, and the plan made a success. And this will avoid turning the government into one great loan agency, with an enormous amount of red tape, and confusion. Or, at least trying to, because I do not think the general government will ever embark in such an enterprise.

"Credit" Up in the Legislature

A system of farm credits, the lending of money to farmers at low rates of interest, is worked out in a bill which Senator J. M. Davis, of Bourbon county, introduced in the Kansas legislature last week. The bill permits any county in the state to vote bonds to the amount of 5 per cent of its assessed valuation for the purpose of establishing a fund from which to lend money to farmers at a rate of interest not to exceed 6 per cent. This money is intended to permit farmers to improve their land and purchase a reasonable amount of stock and farm machinery on long time and low interest. Loans are to be secured by mortgages on farm lands, and no loan shall be in excess of 90 per cent of the value of the unimproved land. The farmer is allowed 15 years in which to repay the county.

STRENGTH

Without Overloading The Stomach.

The business man, especially, needs food in the morning that will not overload the stomach, but give mental vigor for the day.

Much depends on the start a man gets each day, as to how he may expect to accomplish the work on hand.

He can't be alert, with a heavy, fried-meat-and-potatoes breakfast requiring a lot of vital energy in digesting it.

A Calif. business man tried to find some food combination that would not overload the stomach in the morning, but that would produce energy.

He writes:

"For years I was unable to find a breakfast food that had nutrition enough to sustain a business man without overloading his stomach, causing indigestion and kindred ailments.

"Being a very busy and also a very nervous man, I decided to give up breakfast altogether. But luckily I was induced to try Grape-Nuts.

"Since that morning I have been a new man; can work without tiring, my head is clear and my nerves strong and quiet.

"I find four teaspoonfuls of Grape-Nuts with one of sugar and a small quantity of cold milk, is delicious as the cereal part of the morning meal, and invigorates me for the day's business." Name given by Postum Co., Battle Creek, Mich. Read the little book, "The Road to Wellville," in pkgs.

"There's a Reason."

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

The New Secretary

Prof. Houston a Scholarly Westerner

THE appointment of David Franklin Houston, chancellor of Washington University, St. Louis, as the secretary of agriculture in President Wilson's cabinet was a decided surprise to the Middle West to say nothing of the rest of the country.

Early during his cabinet deliberations President Wilson declared he must have a scientist in agriculture to head the department of agriculture. President H. J. Waters of Kansas Agricultural college in every way measured up to this requirement and had practically the unanimous indorsement of the farm people and the farm press. For a time it was believed he had been chosen. The appointment fell to Prof. Houston, it is understood, through Colonel E. M. House of Texas. Colonel House is believed to occupy a large place in the confidence of President Wilson and is one of his advisers.

It is not detracting from Prof. Houston's merits to admit his appointment as the head of the department of agri-

Tex., December 11, 1895. To this marriage four children were born. Two of these children, Duval Beall and Elizabeth, died, leaving David Franklin Jr. and Helen Beall. In 1887 he began teaching at South Carolina University, remaining there a year, at which time he was appointed superintendent of city schools of Spartansburg, S. C., a post he held from 1888 to 1891.

He was adjunct professor, associate professor and professor of political science at the University of Texas from 1894 to 1902. He became dean of the faculty of that university in 1899 and served in that capacity until 1902.

In 1902 he was made president of the Agricultural and Mechanical College of Texas, in which office he continued until 1905, when he was made president of the University of Texas. He remained at the head of the Texas institution until September 24, 1908, when he went to St. Louis to assume the chancellorship of Washington University.

President Waters and Kansas

Mr. Editor—The personal friends of President H. J. Waters may feel some disappointment at his not being given the place of secretary of agriculture in Wilson's cabinet. But the great territory of the corn belt of the Mississippi valley, the most important piece of territory in the United States will need to feel extremely thankful that the services of this talented agriculturist have been left to us.

While President Waters is localized in Kansas his great services to the business of agriculture are largely utilized by all the corn and livestock states of the Mississippi valley.

The place in President Wilson's cabinet could have added nothing to President Waters's reputation nor could it have enlarged the honor already conferred upon him by this great agricultural valley.

We have great cause to be thankful that President Waters, the most conspicuous figure in the horizon of agriculture, has been left to the state of Kansas.

If his salary is not sufficient it should be enlarged without hesitation and his great services permanently secured to Kansas.

Thos. D. Hubbard.

Kimball, Kan.

James Wilson's Return to Iowa

After 16 years of distinguished service in the cabinet as secretary of agriculture, James Wilson returns to Iowa, his home since 1855. To do him honor, Iowa's state board of education, the faculty of Iowa's State college and the Commercial club of Ames have united in tendering him a reception and banquet at Iowa State college, Ames, Ia., the evening of March 12. Notables in all parts of the country have been invited to attend.

The home of the former secretary is Traer, Tama county, Iowa, where as a young man he farmed. Before his appointment, March 5, 1897, as Secretary of Agriculture by President McKinley, Wilson had served successfully as a regent of Iowa Agricultural college, director of Iowa's experiment station and professor of agriculture in the college.

Under Wilson the federal department of agriculture has developed and broadened immensely in scope, importance and usefulness. It is now generally recognized as one of the largest and most vital branches of the government and Secretary Wilson retires as one of the great men of his time. It is not strange that in the political storm and stress of the last two years flaws have appeared in the management of the department. They do not discount, however, the fact that Wilson has been a wise and able administrator.

Something For Every Farmer.

Mr. Editor—I am a reader of the Mail and Breeze and like it the best of any farm paper I ever read. I think every farmer ought to take it.

S. A. Bean.

Fort Cobb, Okla., Feb. 10, 1913.



David F. Houston of Missouri who succeeds James Wilson as Secretary of Agriculture.

culture is disappointing. In President Waters the country would have found the strong and aggressive agricultural leader it needs for that most important post at this particular time. Dr. Waters's boyhood spent on the farm, his intimate knowledge of farm people, his sympathy and insight into their difficulties and problems, his highly-specialized knowledge of the scientific and practical sides of agriculture and animal husbandry, his ability based on much knowledge and study, to cope with the big questions of marketing, co-operation and farm credit now looming large on the horizon, all combine to make him the man of all men for the place.

However, now that the responsibility is his Kansas will wish the new secretary well. As the head of the world's largest farm school, and the agricultural interests of a great agricultural state, Dr. Waters still has a field worthy of his great ability, and Kansas who was generously willing to sacrifice her claim upon him for the public good is heartily glad to keep him.

Chancellor Houston came into striking prominence within recent years through his determination to make a thorough study and investigation of the hookworm disease which gripped the South and was considered a potent factor in that section's retardment.

He is a native of North Carolina, having been born in Monroe, that state, February 17, 1866. His parents were William H. and Anna (Stevens) Houston. He was educated in St. John's Academy, at Darlington, S. C., up to 1884. In 1885 he went to South Carolina College, at Columbia, S. C., where he remained until 1888. He received a degree of A. B. from South Carolina University in 1887.

Entering Harvard University in 1891, he remained in the graduate school until 1894. He received the degree of A. M. from Harvard in 1892 and LL. D. degrees from Tulane University in 1903 and from Wisconsin University in 1906. He married Helen Beall in Austin,

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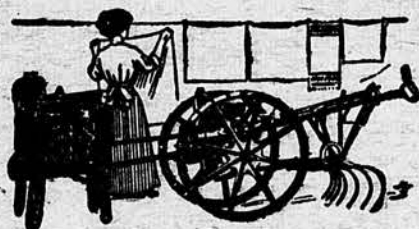
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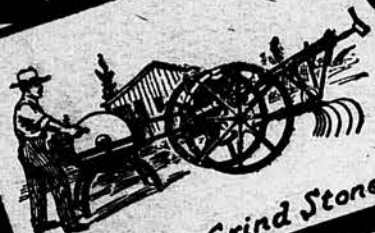
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It not only *cultivates* the fields, but the same power that runs the cultivator propels it to the wood lot where there is fire wood to saw, saws the wood and carries it home. It grinds the grist, chops the feed, pumps the water, runs the fanning machines, the separators, the churns and washing machines, wherever they may be located. It turns the grindstone and emery wheels, it runs the electric generators. It doubles the efficiency of the labor of man, woman and child and relieves them of the fatiguing work that so often makes farm life irksome.

The Universal Tractor is built for strength, service, long life and efficiency. It is simple. A child can operate it. It is capable of doing anything that the best three to five horse power gasoline engine can do. Yet it has none of the complications of an ordinary gasoline engine. It is air cooled and therefore has no radiator to freeze up in zero weather. It is always ready for work. Merely turn the crank and the engine will instantly begin to run. You can regulate the speed absolutely by the governor. The lubrication is simple but most efficient. The consumption of gasoline is trifling as compared with the feed of a horse and there is no cost of maintenance except while the Tractor is actually doing productive work. The price is but little more than that of a high class gasoline engine.

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Worked Out by Mail and Breeze Readers

Handy in Burning Chinch Bugs

Mr. Editor—We happened onto a knack in burning grass this winter that may be worth passing on. A hook was made from an old end gate rod in the shape shown in the sketch. This was very handy in picking up a bunch of grass to spread the fire. It saved both stooping and scorched fingers.

J. B. Ogborn.
R. 1, Amber, Okla.

The Big Snow Storm a Year Ago

Mr. Editor—I am sending you a picture taken March 24, 1912, just 10 days after the big blizzard of March 14. (See view elsewhere on this page.) Our ranch is located 11 miles south of Dighton. We were completely covered with snow, only one ray of light getting into the house from a southwest window. To get out we had to shovel through drifts 16 feet deep. While the storm resulted in greatly increasing the moisture in the soil for crops, it was hard on livestock.

R. J. Sanders.
Dighton, Kan.

Listing in Narrow Rows

Mr. Editor—If H. E. C. of Grimes, Okla., will take all washers and collars from the axle of his lister, put wheels to extreme inside, then replace washers and collars on the outside, he will find the wheels just 3 feet apart. He must make sure the left-hand wheel enters the sprocket clutch at hub. Then put on a long doubletree and let the inside horse walk on the ridge instead of in the furrow. In this way he will find he can run his rows so close that he can fill the last made row, and do it with much larger horses than he mentions (1,200 pounds).

Milan, Kan. E. L. Harlan.

To Rid Farm Stock of Lice

Mr. Editor—In a recent issue of the Mail and Breeze a reader wanted to know of a good remedy for lice on horses. I dissolve ¼ pound of borax in a quart of hot water and to this add 4 ounces of aqua ammonia. I wet the cloth with the mixture and rub it along the top of the horse's neck and on each side, wetting the hair slightly wherever the lice are thickest. A second treatment may be given in a week, but this seldom is necessary. I have used this remedy nearly 40 years and never knew it to fail. It kills all the lice with which it comes in contact and the rest fall off. The same remedy can be used on other lousy stock.

Nortonville, Kan. J. F. Speck.

Sweet Clover For Bare Spots

Mr. Editor—We have many patches of limestone land in our upland pastures where the grass is all killed out by pasturing too closely. The cattle like this grass on the limestone better than that growing on sandstone soil and thus eat it off too short. After being killed out the weeds take possession. I would suggest to readers of the Mail and Breeze that they sow these patches to Sweet clover. Cattle and horses will soon learn to eat it and will thrive on it. I have some Sweet clover in a Red clover pasture and my stock eat a little of it every day even when there is an abundance of Red clover.

J. H. Prichard.
Toronto, Kan.

Listing is Drouth Insurance

Mr. Editor—Over and over again I have grown listed corn and corn on plowed ground side by side, and the listed corn always stood a dry spell much the better. The soil on the listed fields does not blow nearly so much, and there is also the saving in labor to be considered. To make sure of a good corn crop, I think there is nothing like listing deep, whether the season turns off wet or dry. List while there is moisture in the ground, but not too long before planting, so as to give the weeds the start. I am writ-

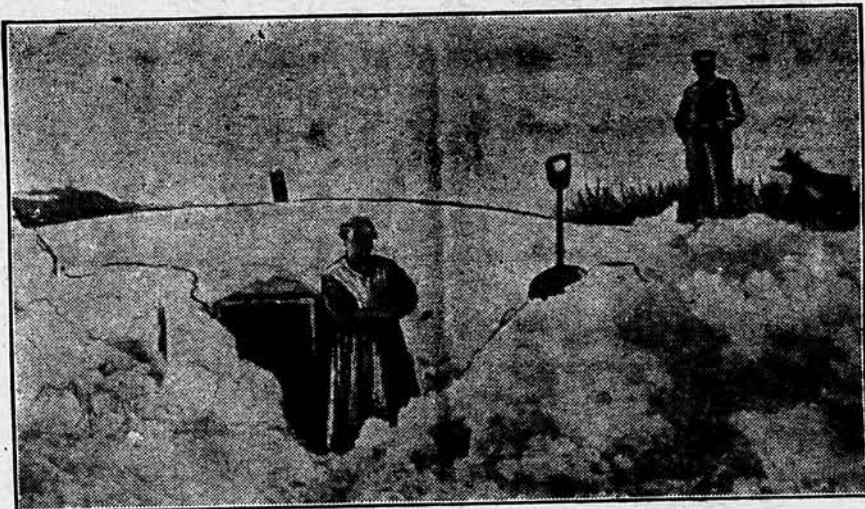
ing this from the viewpoint of an Oklahoma corn grower.

When planting time comes I run a cultivator just ahead of the planter, which is a good precaution to take in case the season should be dry. The loose earth helps to hold in the moisture. By the time you get your listed furrows worked full of good, loose earth, your corn is about ready to tassel and silk. At the same stage surface planting requires earth ridged above the level and that is where a drouth will hit it harder than the listed corn.

G. M. Bulla.
R. 1, Rush Springs, Okla.

Spring Care of Brood Sows

Mr. Editor—The brood sow should be well fed and kept in a thriving condition, but not fat and logy. Let her have plenty of exercise, making her hunt for part of her feed. One week



View of Shortgrass home of R. J. Sanders, a Mail and Breeze reader of Dighton, Lane county, taken 10 days after the big snow storm of March 14, 1912, just a year ago. This storm brought both good and ill fortune to western Kansas, being good for the soil but serious for livestock.

before farrowing time we put our sows into individual pens with a little bedding. We then feed a little less than a quart of corn twice a day each, also a quart of shorts with a half ounce of oil cake in a gallon of water, twice a day. They also have green alfalfa hay when it is available. The sows are fed in this way as long as they are shut up, which is usually three to four weeks after farrowing. Then they are turned out on green feed with corn in addition, but we quit slopping them. I believe hogs on green pasture do better without much slop.

As soon as the pigs are old enough to eat corn we fix up a pen where they may go to eat by themselves without being molested by the old hogs. Our hog pasture is alfalfa and sowed barley. The hogs seem to like the barley as well as the alfalfa. We never breed a gilt to an old male and by feeding plenty of oilcake we seldom have any trouble at farrowing time. In our 15 years raising pigs by these methods we have been quite successful.

R. 2, Oberlin, Kan. Ole Milleeson.

Home-Built Cowpea Harvester

Mr. Editor—Last summer I had out several acres of Whippoorwill cowpeas that made a heavy, tangled growth. The mower was a failure at harvesting them as it would run over about half of the vines and cut off the pods. I then built the machine shown in the picture. (See cut elsewhere on this page.) It does good, clean, rapid work. One heavy horse can pull it without trouble, with a man riding to hold it down. The V-shaped arrangement in front separates and spreads the vines.

The sled is 8 feet long by 2½ feet wide. The knives are 40 inches long and set to run just under the surface. At the forward end of each knife is a breaking plow coulter to cut any vines that may be left under the runners. These cutters are set to run 2 inches lower than the runner. The machine pushes the cut vines out on each side, and by putting two rows together there is enough space for the rake team to walk between the rows of vines with-

out tramping over them. By this method of harvesting the peas handle much better than when mangled by the mower. My clean field, now in wheat, attests the quality of work done.

R. 1, Pawnee Rock, Kan. C. R.

Early Spring Work Makes Corn

Mr. Editor—In July, 1911, I listed some ground for wheat, and put in the crop in the fall, but had to plant 30 acres of it to corn last spring. I also planted 10 acres to corn on ground that had been listed in the fall of 1911. In addition to this I double disked 30 acres of stubble last spring and put corn in it. At husking time last fall the 10 acres that were fall listed made 20 bushels per acre, the 30 acres on wheat ground made 29 bushels and the stubble ground 42 bushels.

I account for these differences in yield by the fact that the stubble ground caught and held the snow while the dead vegetation on the ground acted as a mulch and kept the moisture in the soil, keeping the soil from crusting. The other fields were bare and the snow and rain crusted the sur-

face. I rub on as much of this mixture as will stick to the meat and lay the pieces up on boards for three or four days. By that time all pieces but the bacon will need more of the mixture. In five days sprinkle a little salt on the shoulders and rub the hams again.

The bacon will do to smoke in 16 days after the first rubbing, the shoulders in 20 days, and the hams in about 30 days. Before smoking soak the meat in clear water for 5 hours, wash in warm water with a little soda in it, and let it dry. Smoke it with cobs or hickory wood.

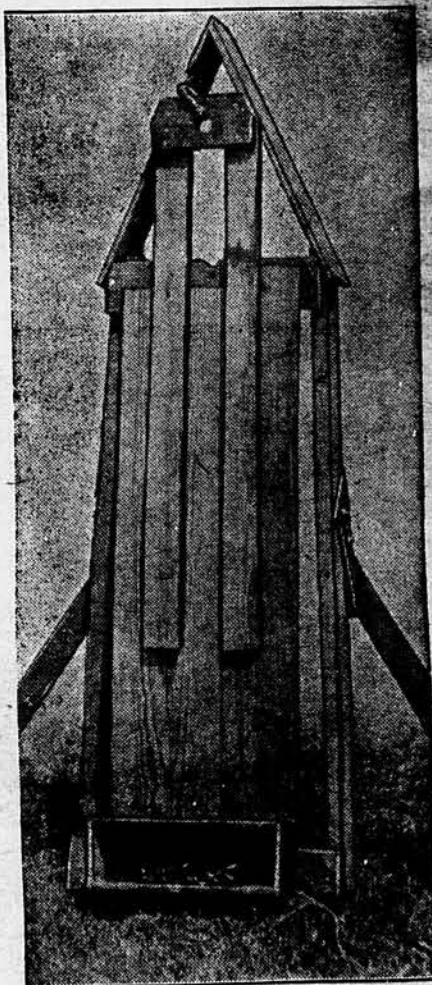
Does it pay to kill and cure meat for one's own use? I killed two hogs this winter that weighed about 200 pounds each. If marketed would have brought about \$28. From these hogs I got the following products: Lard \$32.80, sausage \$9.60, bacon \$2, shoulders \$5.75, hams \$12.50. As the hogs were rather fat I skinned the hams and shoulders, and saved only two of the sides. This accounts for the large amount of lard and sausage. Ribs, backbone and feet are not counted in with the foregoing. The labor of butchering is placed at \$4 and ingredients for curing 35 cents. Thus there would remain a clear profit of \$30.30 for the privilege of eating the best meat you ever ate. In other words, I realized \$62.65 on an investment of \$28 by doing my own butchering.

A. Swink.
Bluff City, Kan.

An Oat-Growing Lesson of 1912

Mr. Editor—After gathering a poor crop of corn off 20 acres of thin land in 1911 I plowed the field about 5 inches deep, turning under all grass, weeds and stalks. Heavy snows and rains last spring gave us a late start, but the winter plowed field dried off so I could work it a week earlier than the land not plowed. On April 9 I harrowed 10 acres of it twice and with a disk drill sowed 2 bushels of southern seed oats per acre. The other 10 acres were disked, 2 bushels of home-grown seed broadcasted and the field disked again, after which it was harrowed crossways. Both sowings made a good stand and each yielded 400 bushels of fine oats that came in mighty handy for feed after the dry year of 1911. This convinced me that oats may be raised either way, provided the ground is dry and in good condition, and your seed covered the same depth.

Bucyrus, Kan. C. M. Donham.



A Mail and Breeze reader's cowpea harvester. It takes two rows and does a good job of harvesting the peas. The V-shaped arrangement in front separates and spreads the vines.

face, causing it to lose much of its moisture. I think one of our greatest mistakes lies in the failure to keep the soil from packing and thus losing its moisture. The object of early spring work is to throw a blanket of loose earth over the moisture that has accumulated in the soil during the winter. I begin plowing or double disking my corn ground just as soon as the frost is out of the ground. From that time on one cannot work the ground too much until the corn is too large to cultivate.

Last year I rented 40 acres of a field to a neighbor for corn. I put corn in the remaining 40 and we began planting on opposite sides of the field, finishing the same day. We both used the same kind of seed as I got mine from him, and we gave both parts of the field the same cultivation until harvest. After harvest it was dry and my renter went through his 40 acres with a 5-tooth. When we had husked our corn last fall I had 5 bushels more per acre than my renter.

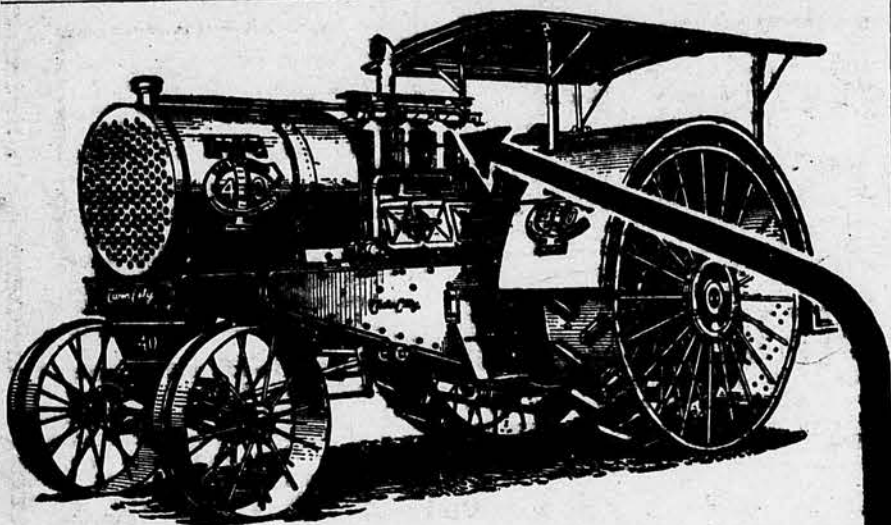
My reason for this difference in yields is that the last cultivation broke the network of roots that had formed during harvest time, no rain to pack the surface and there had been no moisture to conserve by a dust mulch. The ground did not need stirring under the conditions and was worse off for it.

A. C. Ward.
St. John, Kan.

Putting Up Meat For Summer

Mr. Editor—To make good hams, bacon and shoulders for summer use hogs for killing should not be too fat. I find alfalfa pasture and a slop of ship stuff to be the best feeds to make growth on a hog. I then finish up with corn for a month. After killing and hanging 48 hours I cut up the carcass and trim to suit. The shoulders will be more apt to cure if skinned.

I rub a pinch of saltpeter on the ball joint and shank of shoulders and hams, then rub the rest with a mixture of 4 pounds of best dairy salt, 1½ pounds granulated light brown or New Orleans sugar, and 3 ounces of salt-



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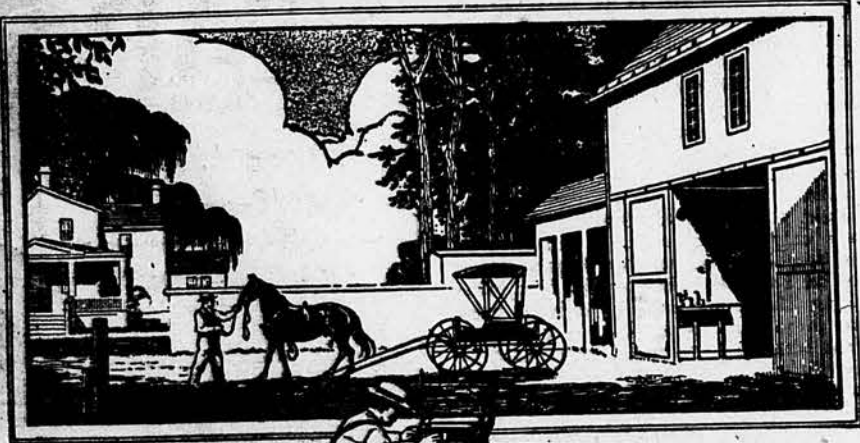
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A Hardy Tree For Kansas

The Russian Olive Even Stands Alkali

BY CHARLES A. SCOTT, State Forester
Written for Farmers Mail and Breeze

Mr. Scott will be glad to answer questions or advise the readers of Farmers Mail and Breeze in regard to trees or tree planting. Address him at Manhattan and say you want an answer in Farmers Mail and Breeze.

THE Russian wild olive is a native of Russia found growing under natural conditions in southern Europe and western Asia. It has been planted to a considerable extent in China.

In the United States, the Russian wild olive has for a number of years been growing very successfully throughout western Minnesota, Iowa, North Dakota, South Dakota, Nebraska, Kan-

windbreak planting. The trees are well adapted for growing in pure sand and even in alkali soils. They exist with very little water, although under such conditions they do not make a luxurious growth.

As a sandbinder, the tree is of great value in checking the encroaching desert sands. It is also used along irrigation ditches where its great masses of fibrous roots prevent the soil to a great extent from washing.

Its wood constitutes the chief supply of fuel in many of the oases. To furnish this wood, the trees are pollarded every four or five years. Pol-



A Russian wild olive tree planted 24 years ago in Trego county. Its height is 30 feet, and its spread of limb exceeds its height. The wild olive is very hardy, even growing in alkali soils.

sas, Oklahoma and the Panhandle Texas, withstanding the severest drouth and the most extreme cold, that have been experienced during this time. This is sufficient proof that it is well adapted to our climatic conditions, and inasmuch as it is adapted to growing in a wide range of soils, it is a tree that deserves more consideration for general planting purposes throughout western Kansas than it has received in past years.

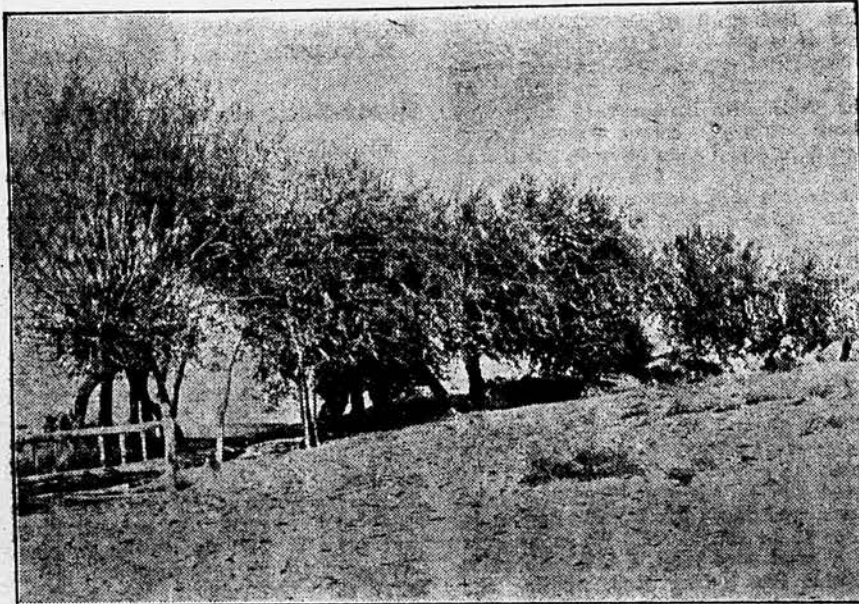
The tree when properly handled, makes hedges that are almost impervious to man or beast. As a windbreak, it is unexcelled. Growing as it does in the driest deserts, it is used extensively in those regions to protect the cultivated crops of the oases against the desert winds. It has been noticed that crops growing close up to a row of Russian wild olive trees are not impoverished to any extent. For this reason, the natives of central Asia prefer this tree to any other sort for

larding is the practice of cutting the tops out of live trees at heights varying from 6 to 12 feet from the ground so that a new top can be developed. As the Russian wild olive responds readily to such treatment, the practice is general wherever the trees are grown.

The wood, when thoroughly dried, possesses fine heating qualities. A bed of live coals when covered with ashes, will last throughout the night.

The fruit of this olive is not edible. However, the dry cast-off leaves are a favorite food of sheep, goats, cattle and donkeys. The flowers, though inconspicuous, are very fragrant and rich in honey. These qualities, combined with its ability to withstand drouth and alkali soils, put it in the first order as a desirable tree for the more arid parts of the United States.

The Russian wild olive is a medium-sized tree seldom exceeding 50 feet in height under the most favorable condi-



Russian wild olive trees growing along an irrigation ditch in Chinese Turkistan. Note the sandiness of the soil and the shape of the trees after being "pollarded". The trees protect the corn from the desert wind and prevent the irrigation ditch from becoming filled with sand.

tions. On high dry prairie land its rate of growth is much slower than on moist soils. But it is a persistent grower and if given a chance, it will make a satisfactory growth under the most adverse conditions. Under favorable conditions its rate of growth compares favorably with the soft maple. The leaves are silvery white, and on this account it makes a pleasing variation when planted in mixture with other trees.

The tree is highly recommended for yard and park planting in mixture with other species throughout the entire western part of Kansas. It reaches sufficient size and is altogether suitable for street planting. For hedges, the trees should be planted 18 inches apart in single rows, and they should be kept trimmed to a uniform height of 3½ to 4 feet. For windbreaks, they should be planted from 3 to 6 feet apart in rows 7 or 8 feet apart, and should be permitted to grow without being cut back. The trees naturally head low and grow rather sprangly. When planted for street or yard trees, the lower limbs should be removed early in their development so that the tree will develop a desirable form.

Little is known in regard to the durability of the wood in contact with the soil. However, it is safe to conclude that the wood must be durable to withstand the treatment to which the trees are subjected in China when pollarded for fuel purposes.

The Russian wild olive is propagated either from seed or by cuttings. The trees come into bearing when from 6 to 8 years old, and yield large quantities of seeds that ripen in autumn. When ripe, they are gathered and stored dry or stratified until the following spring. When stored dry, they should be soaked in water of moderate temperature for a day or two before they are planted. If planted without being soaked, the seeds sprout very irregularly. Some of them come up within two or three weeks after they are planted, others lie in the ground for a month or two before they come up, and many remain dormant until the following season.

The seed should be planted in well prepared seedbeds in rows wide enough apart to allow the required cultivation. The seed should be covered with from 1 to 2 inches of soil. The seedlings make a very strong growth, and in favorable seasons reach a height of from 2 to 4 feet. At 1 year old, the plants are a very desirable size for hedge or windbreak planting. For street or yard planting, they should be transplanted to the nursery row for one or two years.

When propagated by cuttings, these should be made from wood of the preceding year's growth, which are cut into desirable lengths varying from 8 to 12 inches. These strike root readily in moist soil, and make a growth of from 18 to 30 inches the first season.

Now Knows All About the Canal

There is quite a lively demand from all over the state for copies of the Mail and Breeze containing the Capper article on the Panama canal. A Rice county reader writes:

Mr. Editor—I have read your write up of the Panama canal in the good old Mail and Breeze and I must congratulate you on explaining every detail of it so plainly. Although I've read a great deal about the canal ever since the work commenced, I was never able to get so clear an understanding of it as I have by reading your article.

I have read the Mail and Breeze for several years. I find every department in each issue full of educational matter of more benefit to its many thousand readers than could be obtained from any other farm paper in the U. S. Your publications are of such value to the state that it is no wonder to me it was the wish of the people at the last election that you should be elected governor.

Little River, Kan. V. E. SWENSON.

The big canal is probably to have a far-reaching influence on the fortunes of the people of the Middle West and Southwest, and it wouldn't be like Kansas people not to appreciate the momentous character of the enterprise as seen and reported by one of themselves.

The Farmer's Best Paper.

Mr. Editor—Farmers Mail and Breeze is the best paper for the farmer I ever saw. I wish I might have had the benefit of it 30 or 40 years ago when I was on the farm. My sympathies are still with farm life.

Howard, Kan. W. H. Hensley.

No-Rim-Cut Tires 10% Oversize

Nearly Half the New Cars Use Goodyears

Nearly half the cars which are built this year will be equipped with Goodyear tires.

At the New York Show, nearly half the show cars had Goodyear equipment.

Think of that—almost as many Goodyears as all other tires together.

And far more cars are now running on Goodyears than on any other tire in the world.

What Led to This Condition?

It is well to ask what led to this condition.

There must lie, somewhere, some immense economy. For men in these days keep good track of tire mileage.

And the result is this:

In the past year alone, more Goodyear tires have been sold than in the previous 12 years put together.

Two Savings

Two features in No-Rim-Cut tires mean an enormous saving.

One is the device which makes rim-cutting impossible. Without that device—with the old-type tire—23% of all tires become rim-cut.

The other is the fact that these patent tires are 10% oversize.

That 10% oversize, under average

conditions, adds 25% to the tire mileage.

Non-Skid Treads

Then we invented a Non-Skid tread which excels every other non-skid.

It's a double-thick tread, made of very tough rubber, filled with deep-cut blocks. It grasps the road-surface with a bull-dog grip.

This thick, tough tread is immensely enduring. And the blocks spread out so the strains are distributed just as with smooth-tread tires.

This long-lived Non-Skid became at once the favorite Winter Tire.

Any Man Can See

Any man at one glance can see these advantages.

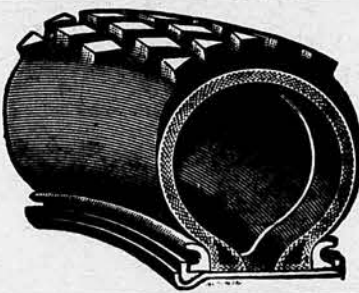
You can see why these tires can't rim-cut. You can see the oversize. And you know without telling that these things save money.

Then this tire, remember, is the final result of 14 years spent in tire building. For 14 years the ablest of experts have here worked to solve your tire problems.

About 2,000,000 Goodyear tires have now been tested out. As a result, these tires far outsell any other tire in the world.

You who pay tire bills should find out the reason. Make a test of No-Rim-Cut tires.

Write for the Goodyear Tire Book—14th-year edition. It tells all known ways to economize on tires.



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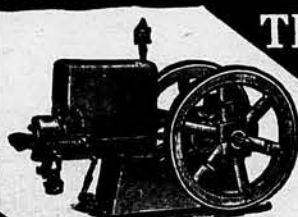
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There are three things that destroy your lawns—Dandelions, Buck Plantain, and Crab Grass. In one season the Clipper will drive them all out. Your dealer should have them—it has not, drop us a line and we will send circulars and prices. Clipper Lawn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



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No farm is complete without one.

73 years of manufacturing means economical, serviceable and durable engines.

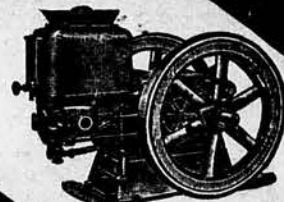
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Double-Efficiency Engine

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Madison, Wis.

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**A Three-Speed Kerosene or Gasoline
Farm Tractor**

The BIG FOUR "30"

Three Speeds—another new feature which further strengthens the BIG FOUR "30's" leadership in the farm tractor field. *Three speeds forward, one reverse.* Every bearing of the transmission equipped with "Hyatt" Roller Bearings, composed of nickel steel, case hardened and ground, working in nickel steel, cages on hardened steel shafts. All gears enclosed and running in oil bath. These are exclusive features of BIG FOUR Quality and Points of Superiority.

Saves Time, Saves Work, Saves Money

Haul and drill on "high"—increase your average speed 40 per cent. 20 to 40 more acres per day. Hit the hard spots, the hills and the gumbo on "low" and keep *all your plows in the ground!* Increases power at drawbar *over forty per cent!* Gives you practically a 40 h. p. Engine with the light weight and handiness of the "30."

Three Engines in One

Make 3 to 4 miles per hour on "high" speed where the work is light, and save many days' time in a season, besides taking more complete advantage of weather and ground conditions to get your crops in and your grain cut at the *right time.*

Do your ordinary work on "direct" drive or second speed. Your "low" enables you to pull loads which 40 h. p. tractors of other makes would have trouble with, also to work in soft ground where heavier tractors would be helpless.

Big Four "30" Farm Tractor

with its three-speed transmission, *dual carburetor* for KEROSENE or GASOLINE, four cylinders, mammoth 96-inch drive wheels and self-steering device is the *most efficient and most economical* farm tractor ever built! Write us for the *proof!* Let *actual users* convince you!

Uses Kerosene or Gasoline

The BIG FOUR "30" Farm Tractor is not restricted to one fuel. Its dual carburetor enables it to use either KEROSENE or GASOLINE with unequalled efficiency and economy.

The BIG FOUR "30" is *guaranteed* to deliver *full rated power* with Kerosene or Gasoline. It will pull a greater load with kerosene than any other so-called kerosene tractor of equal rating.

One BIG FOUR user writes—"I can do *twice as much* with my BIG FOUR "30" and at *one-half* the operating expense, as my neighbor does with a two-cylinder oil burner."

Holds the Record

The BIG FOUR "30" has broken and plowed more acres per engine than any other. It is the first tractor to use the efficient, steady, economical power of the *four cylinder* principle. It is the first tractor

Sold On Approval

You can try it on your own farm—in your own field! It *must* satisfy you *before* you pay out a cent! You are to be the judge.

Write for Our Catalog TODAY

Don't wait until you get ready to order. Get the new BIG FOUR book telling all about the three speed transmission. Just drop us a postal, or mail the coupon below. Do it NOW!

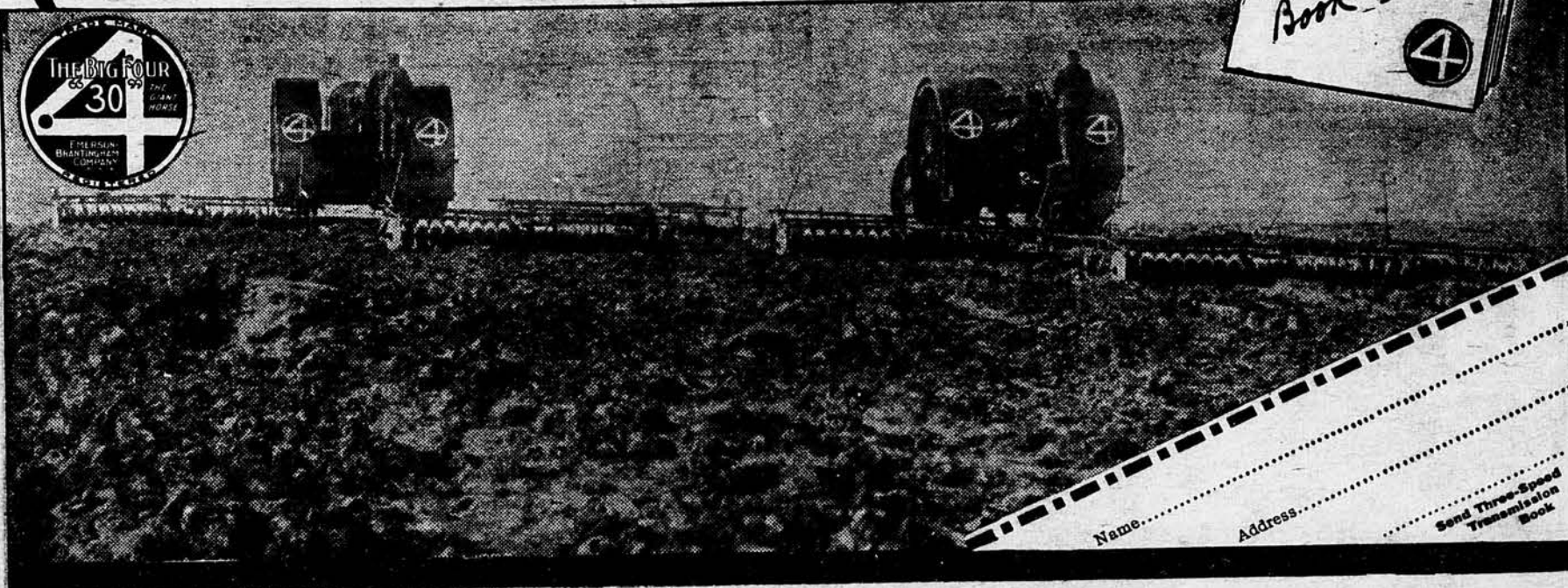
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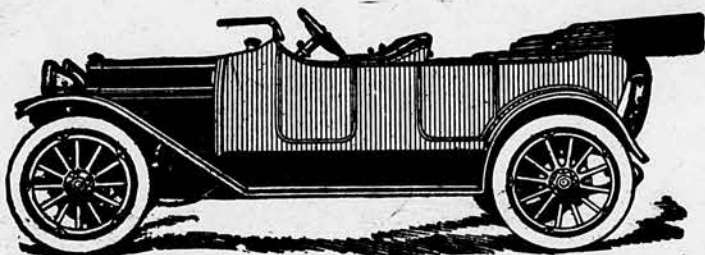
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Paige Model Glenwood, 5-passenger touring car

The Price Doesn't Seem Possible

THIS car is a *revelation* in motor car building. No other manufacturer is building such a car to sell at such a price. Maybe later, but *not for this year.*

That's why we say the Paige "36" is a *next year's car.*

For instance, does any other car in the Paige price field offer the famous Gray & Davis Electric Starting and Lighting System? Look it up. See if they do. The Paige "36" chassis was *designed* for the Gray & Davis System. It is a *part* of the car.

Look at the Paige "36" clutch, the cork insert multiple disc clutch. See what other cars offer it. Look at the Paige "36" motor size and design—4 inch bore, 5 inch stroke, and every detail splendidly refined. Look at its wheel base, 116 inches—body size, big and roomy—wheel size, 34x4 inches—ignition, Bosch Magneto.

Compare the car, through and through, with any car at a competing price. Compare not only design and equipment. We want you to compare materials and workmanship, too. We will be satisfied with your judgment when you've made the comparison.

Five types of body: Model Glenwood, 5-passenger touring car; model Westbrook, 3-passenger roadster; Model Brighton, raceabout; Model Montrose, 4-pass. coupe; Model Maplehurst, 5-pass. sedan.

For those who prefer a slightly less expensive car we offer the Paige "25" in two popular body types, a 5-passenger touring car and a snappy, stylish roadster, both at \$950, completely equipped.

There's a Paige dealer near you. If you don't know him write us. Get our new catalogue at once.

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Best for Spraying Trees and Vines—

Don't think because Lewis' Lye owes a large share of its wonderful popularity to its value as a hog conditioner, that it has no other important uses on the farm. Fruit growers, gardeners, and farmers have used Lewis' Lye as an insecticide for years—not merely because it is *cheaper* than paris green or other preparations—but for the simple reason that it is *most effective.*



Lewis' Lye

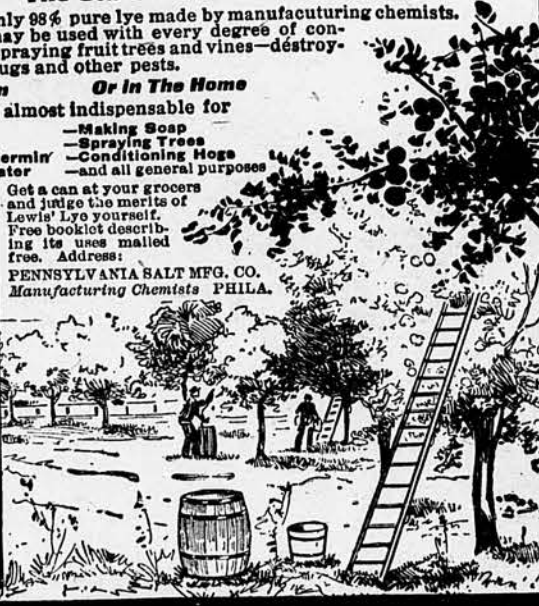
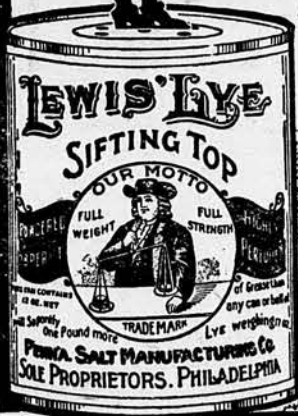
The Standard for Half a Century

is the only 98% pure lye made by manufacturing chemists. As such it may be used with every degree of confidence for spraying fruit trees and vines—destroying potato bugs and other pests.

On The Farm Or In The Home

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Beautifying the Home Yard

Hints From Mail and Breeze Readers

EVERY farm home should plan to have some flowers, especially where there are children. Children love flowers, and if mother will help them to get started they will spend many profitable hours with them instead of getting into mischief. The influence of a home surrounded with flowers, abounding with music and filled with good cheer will linger in the hearts of your children. They will be less likely to be tempted to leave the home nest.

When they visit the city the first thing they notice is the well kept lawns and beautiful flowers. Can you blame them for feeling a bit dissatisfied if when they come home they find their own yards filled with drooping ragweeds, rusty tin cans, broken crockery, and other trash.

Some Ever-Blooming Roses.

If the pigs and chickens run riot over your yard get someone to make a little flower garden. Four posts and 4 rods of chicken wire will make a garden a rod square. First of all put in it some ever blooming roses. There is no other flower that will give so much beauty and fragrance. Any florist will supply them for 10 cents apiece. Plant in a rich soil in a sunny place and leave them alone. If the weather becomes very dry scrape the soil away from around the base of the plant to form a basin. Turn on a half pailful of water to the plant and when it sinks into the ground draw the soil back in place. Once a week is often enough to water in this way. It is a good plan to mulch the bed with grass cuttings.

Good Roses for Kansas.

Many people think all they need to do when watering flowers is to toss a pailful of water on top of the ground. The sun dries up the water before it gets to the roots, leaving the earth dry and cracked. The air soon penetrates to the roots, blasting the bloom and finally killing the plant. Here is a nice selection of roses. They are all free bloomers and will live through the winter with little protection: Etoile de Lyons, Aurora, Reae Reed, Kaiserin Augusta Victoria, Killarney, Snowflake, Wellesly, Maman Cochet.

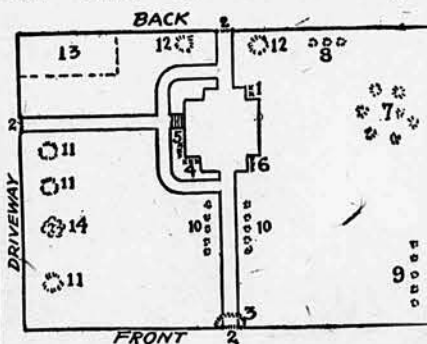
For Only a Few Cents.

If you have only a few cents to spend get the following, and you will be delighted with their wealth of bloom all summer: Sweetpea, pansy, nasturtium, verbena, phlox, carnation, Ten Weeks stock, and cypress. These are all easy to grow. Have the soil rich, keep the weeds out, and do not have the plants too thick in the bed.

Douglas, Kan. Mrs. J. C. Tague.

A Coffey County Farm Yard.

In my yard I have arranged to have only such flowers as will live over winter without being taken up. I simply mulch them in the fall after the first frost. Bluegrass covers the yard. The diagram illustrates the arrangement of the grounds. The yard is surrounded by a fence, with gates at front, side and rear. Walks lead from the house to



Trees and shrubbery are well placed in this yard. No. 1, White honey suckle over back porch. No. 3, Crimson Rambler trellis over front gate. Nos. 4 and 6, carnations and verbenas. No. 5, chrysanthemums. No. 7, group of pine trees. No. 8, hydrangea; 9, lilacs; 10, ever-blooming Monthly roses; 11, maple trees; 12, elms; 13, flower garden; 14, snowball bush.

all three gates, and a walk runs around the house. Trees and shrubbery are placed at the sides of the yard. The center of the lawn is open except for

roses. In the diagram No. 1 represents a white honeysuckle over the back porch. Nos. 2, 2, 2 are gates. Over the front gate is a trellis (3) covered with a crimson Rambler. On either side of the front porch (4, 6) are carnations and verbenas. At the side are chrysanthemums (5). No. 7 is a group of pine trees, No. 8 is a hydrangea, 9 lilacs, 10 ever-blooming monthly roses, 11 maple trees, 12 elm trees, 13 the flower garden. In this garden I grow perennial phlox, pinks, sweet william, Shasta daisies, tulips and violets. No. 14 is a snowball between the maples.

Mrs. G. S. Errett.

R. 2, Gridley, Kan.

A Pretty Frame For the House.

I enclose a plan for a flower garden which I have tried very successfully in past years. My home at that time faced the west, the house being set back about 30 feet from the walk. In front and on the sides was a smooth Bermuda grass sod, with a luxuriant Crimson Meteor rose over the front, always in bloom. Two large pear trees made a nice shade over the porch. On the north side was a very large snow white rosebush. This and a trumpet vine on a trellis were the only flowers on that side. On the south side was a bed 15 feet square of roses—Maman Cochet, Pink Cochet, White Cochet, American Beauty, and Jacqueminot, all started from slips. Dividing the front yard from the back was a hedge



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Suppose Wall Street

Were selling gold bonds at a premium of 10 per cent and Kansas bankers were selling the same gold bonds at 2 per cent—who would get your money, Mr. Farmer?

Suppose you knew your neighbor farmers had actually saved millions during the past 15 years by patronizing the mutual farm insurance companies of Kansas—

And that it is possible for you to join them in saving many more millions during the next 15 years by this same method—

And that in the meantime it would be impossible to obtain better, safer insurance at any price—

What would you do when your present policy in an old-line company expires? By writing only 130 millions of Fire, Windstorm, Cyclone and Tornado Insurance, the Farmers Alliance Insurance Co. saved to its members One Million Dollars in 15 years. Suppose the nearly Five Billion written in Kansas by Stock Companies in the same period had been given to the Kansas Mutuals?

When does your old line policy expire? Write us.

Farmers Alliance Insurance Co.

McPherson, Kan.

of japonica and in front of that another row of monthly roses. In the back yard there was a large bed of cannas, Burbank for the center, Louisiana next, then Buttercup, all surrounded by foliage plants. A large bed of golden glow, chrysanthemums and asters was on one side of the back yard walk; on the other side were gladioli, vincas, old fashioned larkspur, and scarlet geraniums. On the south and east all was enclosed by a hedge of japonica. On the north was a double row of cannas which form an admirable screen to shut out any unsightly view. The front was left open. Around the outside of the yard next the road on the south and west were shade trees, which completed a most attractive picture, with the white house set in its beautiful frame.

Grimes, Okla. Mrs. E. A. Arnett.

Sweetpeas Give Most Bloom.

Of all my flowers I have the most blooms from sweetpeas. One year I dug a trench around all four sides of the vegetable garden, which was fenced with poultry netting. As we then lived in Texas I planted the seed in January. I put the cleanings from the hen house in the trench, and after sowing the seeds covered them lightly with earth. After the plants came up I worked the soil to them each week until the ground was level, when my work was done. All that long, dry summer they bloomed, with only the week's washwater over them. There were flowers of all colors, and how the bees did come!

Sweetwater, Okla. M. E. French.

[In this latitude sweetpeas should be sown in March, the earlier the better. April is almost too late.—Editor.]

Thriving Flower Beds and Vines.

I have had better success making beds with a wall around them. This wall may be of wood, stone or cement. If of stone it may be laid up with mortar. When flowers are set in such beds they get the benefit of all the moisture given them. It cannot spread out and so has to go down. Such a bed planted to flowers that droop over the edge of the wall looks pretty.

I like shrubs and hardy plants but like the larger, taller ones in the back-ground. If mixed over the front yard they obstruct the view of the house and spoil the effect of the more delicate smaller plants. Beds of flowers should have

the taller varieties in the center of bed and the smaller plants at the edge.

For setting vines and small trees dig a hole and put in a deep box or barrel with bottom taken out. Set down until the top of box is even with the surface of ground. Fill nearly full of soil and plant the vine. If the soil has no sand mix some with it. Leave a little space at the top to hold water. The box causes the roots to grow down instead of spreading out near the surface. The wood will rot away, and by that time the roots will be down where the soil is always moist.

A good way to water trees, shrubs and vines is to insert a pipe near the trunk, letting it run well down to the roots. Let it stand up a little above the surface so it will not become filled with dirt. A plug may be used. Pour the water into the pipe. The water will reach the roots and none will evaporate.

Mrs. A. D. Hull.

R. 1, Woodston, Kan.

For a Dry Country.

For this high, dry country I would suggest planting old fashioned zinnias, marigolds, golden glow, and hollyhocks, all in beds by themselves, edged with periwinkles. I would also have a bed of cosmos and chrysanthemums edged with larkspur. For a porch or trellis a crimson rambler rose and white honeysuckle together make a pretty showing. Sweet peas and cypress make a beautiful combination to put on a fence or in some corner. Such a garden costs less than \$1.25, and is in bloom all summer. It shows to best advantage against a green background of grass and shrubbery.

Florence Arnett.

R. 2, Grimes, Okla.

Buy the Best Seeds.

All my flowers go in the garden, as I prefer to have just trees and grass in the yard. There is one rule I would follow, and the less I had to spend the closer I would stick to it. Buy the best seeds of standard varieties instead of buying collections many of which are worthless.

Mrs. Fannie A. Evans.

R. 2, Muskogee, Okla.

Death of James Butler

James Butler, of Topeka, Shawnee county, whose proposed co-operators' law

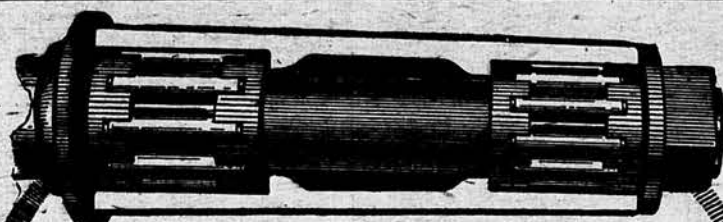
for Kansas was published in the Mail and Breeze of February 15, is dead at the age of 57. He had been confined to his home by a severe illness. Hearing his measure had been introduced in the legislature, Thursday, February 27, he visited the house accompanied by Mrs. Butler. A relapse followed his return to his home and his death occurred a few days later.

Mr. Butler played a prominent part in the Farmers Alliance movement in Kansas. He helped organize the Farmers'

Co-operative Grain and Elevator company and succeeded in having a large number of co-operative elevators built in different parts of Kansas and Nebraska. Many of these elevators are still in operation, although the original company has gone out of business.

A widow, a son and three daughters survive him.

I have been taking Mail and Breeze for several years and like it bully.—George Madison, Sparland, Ill.



A New Invention That Will Save Millions to Farmers

How much would it save if every farm wagon in the United States could do one-third to one-half more work? How much would you save if your wagon did that? The latest improvement in farm wagons—the greatest in 50 years—is the improved and perfected Peter Schuttler Roller Bearing.

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because they run lighter—go more miles—and require less power to pull the load. Schuttler Roller Bearings save time—money—horses—harness—feed—repair bills—axle greasing—trouble, and wear on the wagon. Official tests by U. S. Government Road Experts show remarkable results. The Schuttler Roller Bearing Wagon soon pays for itself by economy of operation.

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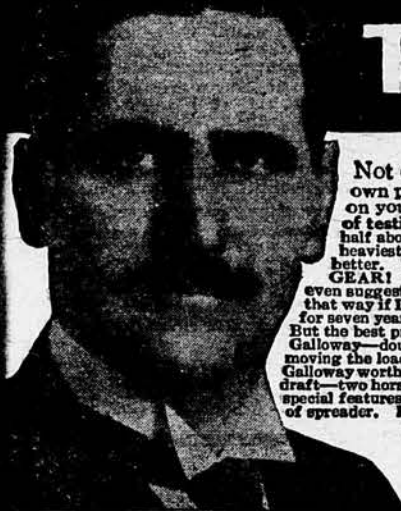
that describes the Schuttler Roller Bearing Construction and gives record of official tests by United States Government.

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J. F. HAYNES,
Farmers' Seed Corn Grower, Grantville, Kan.

What Fruit Trees to Plant
BY EDWIN SNYDER.

[Written for Farmers Mail and Breeze.]

What does he plant who plants a tree? He plants cool shade and tender rain, The seed and bud of days to be And years that flush and fade again; He plants the glory of the plain, The harvest of a future age; The joys of unborn eyes to see— These things he plants, who plants a tree.

Tree planting is a most fascinating employment, whether fruit, shade, or ornamental trees. The man who cannot enjoy it has no poetry. He must have an unbounding faith in the future for the reward of his labor is placed some years in the distance. The season of tree planting is close at hand and the ubiquitous tree peddler is abroad in the land, with his book of colored plates and his fascinating persuasive manner.

Instead of doing business with the agent, who is very apt to swindle you in price or variety or both, it will be better to secure some catalogs from some reliable nurseries and order direct from the one offering you the best prices and conditions. Do not indulge in high-priced specialties. Nine out of 10 of them are rank frauds, and you will regret the day you planted them. The old reliable sorts are always the best.

Of cherries, I would advise planting only the Early Richmond and Montmorency. Other sorts that I have planted have either been disappointing or flat failures.

Among the peaches Elberta, Greenboro, Champion, Old Mixon (free and cling), Early Crawford, Crosby, and Salway, are good. There are some fine new varieties, highly recommended, but I am not acquainted with them.

If I were planting a commercial orchard again I would plant but four apple varieties—Jonathan, Grimes Golden, Stayman Winesap, and York Imperial. A family orchard should be differently planned. In such an orchard I would plant 5 trees each of Jonathan, Grimes Golden and Stayman Winesap, with 2 each of Red June, Early Harvest, Maiden Blush, Delicious, Jersey Sweet, Bailey Sweet, Ingram, Cooper Gano, Oldenberg, York Imperial and Mammoth Black Twig.

I would not have more than 40 or 50 trees in the family orchard and would select varieties so as to have apples from early summer till late fall. There are about 3,000 named varieties of apples but very few of them are commercially profitable. Next week I hope to write something on planting and cultivation.

Topeka, Kan.

Who Will Lend a Hand Here?

Mr. Editor—There is certainly no sight more pleasing about a country home than a beautiful, well kept lawn. Here in Rice county such a sight is so rare that some people doubt the possibility of having an attractive lawn. Why can we not have them here as well as elsewhere and what are the best and most practical ways of improving the surroundings of the farm home? What have Mail and Breeze readers who have succeeded in this line to suggest, through the paper?

Sterling, Kan. Reader.

Blackberries Are Sure Croppers.

[Prize Letter.]

Mr. Editor—The blackberry, properly cared for, is the surest cropper. We have the Snyder variety. They are planted on a lower hillside and in an open yet sheltered nook of a protecting grove. They were given clean cultivation for two seasons, and since then they have been mulched lightly every winter with straw or coarse manure. Between the mulch and the shade of the plants all weeds are kept down. The mulching holds moisture and develops the fruit even in a dry season. Where the canes get too thick some are cut out. In the early summer when the new canes have reached 3 or 4 feet high we cut off the growing tips. This causes the wood to mature early, putting the canes in better shape for winter, and also causes the canes to branch out, increasing the fruiting surface. With the exception of two years ago, when we had a very abnormal season and a late freeze, we have had good crops of berries for the last five years.

A. R. Toothaker.

Sioux City, Ia.

Plant grape cuttings as soon as the ground can be worked.

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I am reproducing here a photograph of the world's best bushel of Seed Corn—the bushel which was awarded first prize at the National Corn Exposition, Omaha, Nebraska, and which I purchased for \$280.00 cash. I gave some of this seed corn to Mr. H. V. Cochran, one of the most expert seed corn growers in America, and the seed which I offer here was grown from the prize bushel and you will find it the equal of the original bushel, which brought perhaps the highest price ever paid for a bushel of seed corn.

The corn is a large pure white, deep grain, matures in less than 100 days and is an extra heavy yielder. I believe this to be the greatest opportunity ever presented for the readers of my paper to make a record increase in the quality and yield of future corn crops. The way to improve the corn crop is by the use of high-bred seed—and here is seed which I believe cannot be equaled by any other, no matter what the price. A few pounds of this seed should bring enough fine quality seed to plant your entire acreage next year.

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I have had this "Grand Champion" for each new yearly subscription you corn put up in one pound packages all send me other than your own at the ready for mailing. As long as my supply regular rate of \$1.00 a year. lasts I am going to give it away on these You pay nothing for this corn—it is very attractive offers: mailed to you, postpaid, as a free gift for your own or your neighbor's subscription (new, renewal, or extension) to Farmers Mail and Breeze—for \$1.00. I will also give you two additional pounds subscription to The Mail and Breeze at the regular rate—2 pounds with each yearly subscription.

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BROOMCORN

Will our readers in western Kansas and Oklahoma give us a leaf out of their experience in broomcorn raising, cultivation, marketing, etc.? Take up any phase of the work you choose. For best letter each week a year's subscription or extension of subscription to Farmers Mail and Breeze.

Many Plant the Crop Too Soon.

Mr. Editor—Broomcorn is the ready money crop for the homesteader and has been the means of many a man holding down his claim until time for proving up. It is a great sod crop and should be planted from May 15 to July

10, depending upon the season. We get the best results from breaking the sod with a moldboard plow, and planting on top with a regular corn planter. We find it best to drill the seed so as to have 40 to 60 plants to the rod, and it can be thicker if the ground is very fertile. Old land for broomcorn is the best when blank listed during the fall and winter, the ridges split in spring, and planting done June 1 to 20. One great trouble in western Kansas is that the farmers plant their broomcorn too soon. Broomcorn is a warm weather crop and should not be planted until the ground is warm.

Charles Molter.

Liberal, Kan.

A Scheme That Heads Off Weeds.

Mr. Editor—People differ in their methods of raising broomcorn just as with any other crop. Our experience for more than nine years has taught us that the best time to plant here is in early May. The Oklahoma Dwarf may be planted the first half of May and be in the bale, ready for market by September 1. August is the proper month to cure the brush as the weather is almost always right—less rain and more sunshine than at any other time. Don't try too large an acreage if you are just starting out.

Thin land is best for broomcorn. I harrow the ground in spring before plowing, while the surface is dry. This covers the weed seeds and the first rain will sprout them. After the weeds are all started nicely I do my plowing. I don't "cut and cover", but plow close, and harrow my plowing every day. One must have a fine seedbed to secure a stand, and to make a profitable crop one must have the stand.

As soon as the ground is "mealy" from sun and wind I drill the seed. One bushel of seed will be plenty for 20 acres. The plants will be up before you know it and at about the same time harrowing should begin. Don't think you are killing the plants because a few are covered up. One can tend the crop with a harrow until the plants are 3 or 4 inches high. The last cultivation should be done with a disk cultivator to leave a smooth, clean place to walk and drop your brush at harvesting time.

S. C. Thompson.

Making Sure of a Potato Crop

READERS' DISCUSSION.

Mr. Editor—We have always found it cheaper to raise enough potatoes for home use at least. From 2 to 4 bushels of seed will usually produce enough for any ordinary family. If the season should prove unfavorable the loss of seed will not be great. We locate the patch on moderately rich soil and prepare a mellow seedbed. We mark out rows about 3 feet apart and drop the seed 14 inches apart in the row. When possible we mulch them with straw 6 inches deep, cutting what weeds come through. If not mulched we cultivate to keep the ground loose, being careful not to go too deep.

Winfield, Kan. W. A. Kowing.

Growing Them Under a Mulch.

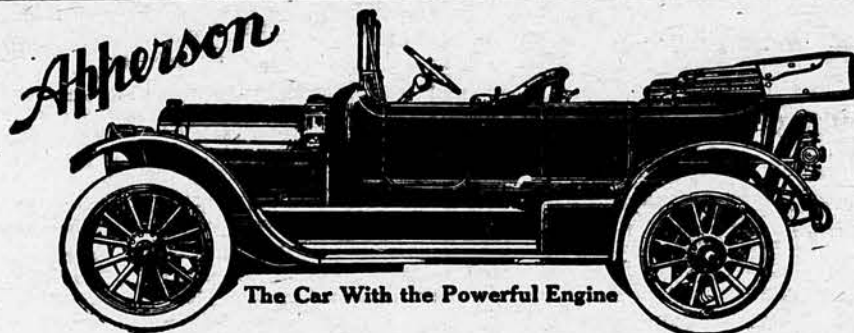
Mr. Editor—I plow my potato ground in fall or winter and pack it by harrowing or dragging. When planting time comes I make shallow furrows with a lister, drop the seed, and cover not more than an inch deep. As soon as planted I mulch them with 8 to 10 inches of straw. If the bugs bother I use Paris green on the patch. Planted this way you will find your potatoes right under the straw when you come to dig them. Few of them will be down in the ground. During the dry season of 1911, I raised 40 bushels of potatoes on less than ¼ acre of ground by these methods. They were smooth and of good size, with few small ones among them.

R. I, Pratt, Kan.

F. L. T.

Precaution Against Drouth.

Mr. Editor—The potato patch should be on low, rich soil, plowed about 8 inches deep in the fall. As soon as the frost leaves the ground give it a shallow disking and then harrow once a week until planting time. As soon as weather permits after April 1 plant in furrows made with a lister, but not running full depth. I drop a piece every 15 inches and cover with a cultivator. Then I harrow once a week until the plants are large enough to



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cultivate. By that time the harrow will have filled the furrows and the potatoes will be found rooted deep where drouths will not check their growth. I select my seed at digging time, choosing smooth, medium sized potatoes from large producing hills. Although I use some Northern seed each year I have never had them yield as well as seed of my own raising.
R. F. Anderson.

Phillipsburg, Kan.

Rye for Green Manuring.

[Prize Letter.]

Mr. Editor—The best success I ever had in growing potatoes was when I plowed my ground deep the previous year about the middle of July, then worked it down well and sowed 3 to 4 bushels of rye per acre. When the rye had covered the ground with a heavy mat of green I plowed it under about 3 inches deep. This plowing was done in October. The ground was left in this condition until time to plant in the spring. It was then harrowed up well, and shallow furrows made 2 feet apart and about 3 inches deep. When the plants began to show above the ground I mulched the patch with straw. I have never tried this method without mulching but the crop would undoubtedly also do well under those conditions.
Canton, Kan. H. K.

Good Scheme in Irrigating.

[Prize Letter.]

Mr. Editor—Last year in this dry country, from five rows less than 200 feet long, we dug enough potatoes for our own use and have enough left to plant 10 or 15 rows this spring. The crop was of good size and quality. We plowed the patch early last spring, disked twice and harrowed it thoroughly. We cut the seed leaving two or three eyes to each piece and dropped the pieces 16 inches apart in rows made 6 inches deep with a plow. They were covered with 2 inches of earth packed over the surface. When the plants could be seen down the rows we harrowed at intervals of about a week and later cultivated with a 6-shovel cultivator. When the ground got dry we ran a shallow furrow along the north side of each row and turned water in to them from the well. By putting these furrows on the north side of the rows the ground did not bake so easily. Later we worked ground up to the south side of each row to protect the hills from the sun and furnish a loose mulch to prevent evaporation. For bugs we dusted the vines with London purple.
Meade, Kan. Willis Wolfe.

Eureka a Good Early Variety.

Mr. Editor—I think the extra early Eureka the best potato for southeastern Kansas. The tubers are of a flat oblong shape with thin skin, and for eating purposes are surpassed by none. Seedbed preparation should begin in early winter. Plow deep. If the soil is rich and contains plenty of humus that is all that is necessary until spring. If the soil is lacking in humus and runs together it would be well to top dress with a few loads of rotted manure which should then be thoroughly worked in with a common cultivator.

In the early spring harrow the ground thoroughly leaving it in good condition to germinate all the weed seed possible. Next, furrow out the rows about 3 feet apart and 3 inches deep. For planting use medium sized tubers, cutting one eye to the piece and never using the seed end. Planting may begin any time after the ground is in good condition after April 1. Drop the pieces about 16 inches apart in the row. Cover with a common 4-shovel cultivator with springs taken off and the inside shovels turned towards the row. Then harrow the ground thoroughly thus killing all the weeds that may have started.

As soon as the potatoes are up, and the weather permits, cultivate and continue to work the ground after each rain till the potatoes start to make. They should be dug when the ground is dry to be in good condition for keeping. For storage outside, select a well drained spot and pile the potatoes up in cone shape, covering with straw or hay and 5 or 6 inches of earth. Then set a couple of shocks of corn fodder around this heap and tie it.
St. Paul, Kan. Wm. Meislohn.

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CYPRESS

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(Dept. Agriculture, Forest Service, June, 1911)
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CAPPER BOYS CORN CLUB

Founded 1907



by Arthur Capper

ELSTON COLEMAN made the best acre yield of corn last year in the Oklahoma division of the Capper Boys corn contest. He lives near Newkirk in Kay county. The awards in this contest were recently made at the Oklahoma Agricultural college. The yield with which young Mr. Coleman won the first prize was 92 bushels and 29 pounds from a measured acre of ground. Of the four state Capper winners in the 1912 acre contest, Elston is the youngest, being 13 years old. His yield is third best, the Missouri and Nebraska winners ranking above him. Kansas is in fourth place this year but we know of several young Kansans who will see to it that the contest of 1913 tells a different story so far as this state is concerned. Dennis Watson, who is not a stranger to Capper boys, made away with first prize for the best ear from home grown seed. His home is near Chandler, Lincoln county. The champion single ear was grown by Frank Clinkenbeard of Castle, Okfuskee county.

Get Your Corn Ground Ready

A few boys have begun work on their seedbeds and it is not at all too early, provided the ground is not too wet to work. Working the ground at the right time is really all there is to the secret of getting a good seedbed, if that could be called a secret. Don't be satisfied with your ground until you have it looking like a garden. Frank Chandler, first in Kansas acre yields last year, found it well worth while to take particular pains with his seedbed. His ground had been in corn the year before. Early last spring he disked it, then harrowed it, then listed it, harrowed down the listed rows, and finally listed the ground a second time before planting May 20. He planted his corn 3 inches deep and 10 inches apart in the row. We do not mean to say that every boy who expects to win a prize should follow Frank's

Shawnee county, Kansas, in which \$25 is offered for champion ear in that county, \$15 second prize, \$10 third prize.

All contestants in the Capper Boys' contest are to furnish their seed and must do all the work of preparing the ground and planting and cultivating their crop themselves.

In the acre contest each contestant will keep track of the number of hours' work performed by himself and his team and be prepared to render a report of the methods he used, on a blank to be sent him at his request before the end of the contest, December 1, 1913. The acre may be a part of a field of corn or a single acre.

Capper Boys' Swine Club

Some of the boys who have a chance to get pigs of more than one of the breeds specified in the contest rules are undecided as to which breed to pin their faith. Well, that is a hard matter to decide, without seeing the pigs. There is no one best breed of hogs. All have their good points, also their bad ones. Of those mentioned in the rules the Poland Chinas and Durocs are perhaps the best known out here and therefore the most popular. But the Berkshires, Chester Whites, and Hampshires are just as good in other ways. Of all five breeds the Hampshire is perhaps the least known so



A good type of Hampshire pig.

we are showing a picture of one to give you an idea what they look like. You can always tell a Hampshire by that broad white belt around his body.

Entrance Blank

ARTHUR CAPPER, 800 JACKSON STREET, TOPEKA, KAN.

Please enter me in the
Boys' Corn Growing contest,
Boys' Swine contest,
Girls' Tomato Growing contest.

(Draw a line through the contest you do not wish to enter.)

My name is.....

P. O. or R. F. D.....

State.....

My age is.....

Properly filled and mailed as directed, this blank entitles the signer to the full benefits of the club and contest, without further notice or formality.

methods in detail, but merely want to bring out the fact that it pays to do plenty of work on your ground before planting the seed. And afterwards too, but that is another story.

Corn Contest Rules

Any boy under 20 years old may enter the Capper Boys' Corn-growing Contest, for which cash prizes are offered in four states, namely: In Kansas, in Oklahoma, in Nebraska, and Missouri. For best acre yield in each state \$50; for champion single ear in each state \$25; for best ear in each state from seed of a boy's own raising \$25. There is a separate contest for boys in

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SWINE CONTEST RULES.

To be eligible to enter the Capper Boys' Pig Contest at the Kansas State Fair (Topeka or Hutchinson) a boy must be 20 years of age or under March 1, 1913. He must own and feed his pig. The pig must be purebred, eligible to record, the sire and dam being recorded in the proper record association, and be of one of the following breeds: Poland China, Berkshire, Duroc-Jersey, O. I. C. (Chester White), or Hampshire, and farrowed after March 1, 1913, on the home place or land.

The prize will be \$30 in cash—\$15 going to first award, \$10 to the second award and \$5 to third award.

All four of the breeds will compete and the entry may be either a boar pig or a sow pig.

The prizes will be awarded by the regular swine judge or judges of the fair. Pigs shown in the regular classes at the fairs will be eligible to this class.

To join the Capper Boys' Swine club and to enter the contest all you have to do is to fill out and mail the entrance blank on this page as directed and you are ready to begin when you get your pig.

Capper Girls' Tomato Club

The question has been raised as to whether girls living in town are eligible to the tomato contest. They certainly are. The contest rules say, "Any Kansas girl 10 years old and no more than 18," which takes in girls living in the country and in town on the same basis.

Some of the girls are writing in to know what varieties will be best to plant, and others who saw the list in the Mail and Breeze of February 22 have asked whether any variety not named might be used. You are free to choose whatever variety you think will do best for you. The varieties mentioned were, in the opinion of the Tomato Club man, as good as any that could be selected. They were Earliana, and Chalk's Early Jewel, for early varieties; and Kansas Standard, Stone, Ponderosa, Paragon, and Beauty for the later sorts. The Crimson Cushion or Beefsteak is perhaps the best of the climbing kinds. Each girl must see to getting her own seed. We do not furnish it as some members of the club have supposed.

Potato Ground Is Good.

Miss Reyta Julian of Uniontown, Kan., is intending to locate her patch on a spot where an old barn had stood for years, until torn down last summer. She asks if this would be a good place for tomatoes. We believe it would if it can be well drained. Tomatoes need a good, rich soil and there ought to be a good deal of fertility in this spot. There is also such a thing as having the ground too rich, in which case the tomatoes will grow to vines rather than to fruit. Tomato growers say any soil that will grow good potatoes will grow good tomatoes and that is a pretty safe rule to follow, both in selecting and preparing your ground.

TOMATO CONTEST RULES.

Any Kansas girl 10 years old and no more than 18 may become a member of the Capper Girls' Tomato club and contest for the prizes.

Each member is to plant and tend a plot 33 feet each way. The men folks may plow and harrow the patch to prepare it for plants or seed, but the rest of the work must be done by the contestant.

Each member must keep a record of the weight of all tomatoes picked and report the total number of pounds of the entire yield at the end of the contest. Also how the crop was disposed of—both canned and sold—or for home use.

The contest will end October 10, 1913. A blank form of report will be sent to each contestant at the end of the contest.

The member growing the greatest number of pounds of tomatoes on her plot will be awarded first prize, \$25 in gold. The one getting the next largest yield will receive a cash prize of \$15. The third prize is \$10. To insure fairness to all contestants the winning reports will be verified.

To join the Capper Girls' Tomato club and participate in the contest fill out and mail the entrance blank on this page as directed and you will be ready to begin your preparations.

Not much time left to prune grape vines now. Don't let the sap catch you trimming them.

I Can Use 150 Men

Would you take a steady job selling my quick moving, snappy line of soaps, perfumes and toilet preparations? No experience needed. I pay cash; no premiums. If you are looking for an unusual opportunity for making big money quick write me a postal saying, "Mail full particulars." Address E. M. DAVIS, President E. M. DAVIS CO., A 205 Davis Block, Chicago

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XXX 46 gravity water white kerosene.....	\$6.00 for 52 gal. bbl.
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1 case graphite axle grease (2 doz. 3 pound pails)	\$3.50
40 gravity prime white stove distillate.....	\$4.50 for 52 gal. bbl.
38 gravity stove distillate	\$4.25 for 52 gal. bbl.
60 gallon (26 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home.....	\$3.60
Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools	\$4.00 for 52 gal. bbl.

STANNARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the nits).....

I also carry a full line of lubricating oils. I will pay \$1.25 each for my crude oil barrels, \$1.50 each for my refined oil barrels returned to me at Coffeyville, Kansas, in good order, less freight charge on same.

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MAIL AND BREEZE
Topeka, Kansas

Leidigh's Answers TO FARM QUESTIONS.

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

What Grass Where Salt Grass Was?

What kind of grass can be sown on soil where salt grass has been broken out? Can it be seeded to anything that will sod for pasture?—E. G. B., Sedgwick county, Kansas.

In your part of the state it is almost impossible to successfully seed down such land to a sod-forming grass. This is partly on account of your climate and partly because you have a soil closely related to hardpan as is indicated by the fact that salt grass formerly grew on it. Such land may be reset to Salt grass or Buffalo grass by getting it into a fair state of cultivation and planting small sods every few feet each way. These should be placed in rows and given a few cultivations during the summer and should be mowed once or twice.

English bluegrass or Orchard grass will both make a fairly good growth on parts of such soils and it might be practical to seed to them and trust to the native grass to come back into the field.

A. H. Leidigh.

Grasses for Rough, Heavy Land.

I would like to know what grass seed would be best to sow on land that is very rolling and rough, a heavy clay soil and some rock. The land is not fit to plow. I have just cleared it of brush and there is no grass on it. I want to get it into pasture. Am keeping a small flock of sheep to keep down the brush.—R. E. B., Atchison county, Kansas.

Your land is doubtless adapted to a mixture of grasses made up about as follows: Meadow fescue, 5 pounds; Orchard grass, 10 pounds; Bromus inermis, 5 pounds; timothy, 6 pounds; Kentucky bluegrass, 5 or 10 pounds. To this should be added 2 to 4 pounds of White clover; 4 to 6 pounds of Red clover, and around the rocks where there are small gullies or exposed clay, it would be well to seed White Sweet clover at the rate of 10 pounds per acre in addition to this mixture, although this is not necessary.

In the foregoing mixture, I have not recommended very heavy seeding of Bromus inermis, Kentucky bluegrass or White clover, but you should expect these to spread on the land, gradually form a sod, and occupy the place of the timothy and Red clover as they die out.

A. H. Leidigh.

Freed Sorghum Named For Him

Mr. Editor—In the Mail and Breeze of February 15, J. K. Freed in his article wrote relative to what he called "White Amber cane". The office of the forage plant investigations of the department of agriculture, Washington, D. C., has asked the station at Manhattan to adopt the name of "Freed" sorghum for this new variety which is known in Western Kansas both as "White Amber" and as "White cane". I have written the department at Washington that we shall be glad to honor Mr. Freed by calling this sorghum for him.

As far as I know, Mr. Freed was the first man to possess or grow this variety, and I believe this is an excellent name for it. I suppose when Mr. Freed wrote the article referred to, he had not heard of this change, or it may be he was just trying to disregard the honor that the department has done him. The name, "White Amber" was absolutely unsatisfactory, because the "Freed" sorghum is not a White Amber and never could be. Even if there were things that made it look somewhat like White Amber would be supposed to look, I think everybody will admit that we have a good many more Amber sorghums than we need.

The "Freed" sorghum is early and drouth-resistant and, of course, does not make a very large growth. It is deserving of extensive cultivation in western Kansas, but I would not advise its use where Kafir, Orange or Sumac all do well.

A. H. Leidigh,
Assistant Professor in Crops.
Manhattan, Kan.

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"TESS and Ted" school shoes have become famous for their style, finish and long wearing qualities. Four pairs will outwear five pairs of ordinary shoes made for children's wear.

Many shoemakers yield to the temptation to use substitutes for leather in children's shoes, because of the high price of leather, but we have built up our enormous business by making honest leather shoes.

Put up a pair of "Tess and Ted" or any other "Star Brand" shoes and you will find that they have sole-leather heels, soles and counters. No substitutes for leather are ever used. See No. 3130—a new model for boys.

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"Tess and Ted" school shoes and over 700 other styles of "Star Brand" shoes are for sale by 20,000 good merchants. Don't just go into any store and ask for them, but hunt up the "Star Brand" dealer, or write to us for name of nearest merchant who sells them.

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The 1913 "Flour City" surpasses all previous models in mechanical efficiency. It embodies all the desirable features that enter into the construction of a successful farm tractor. Its development has been guided by the requirements outlined by the progressive farmer along the most conservative lines. Its reputation is of the character that comes through actual work in the field.

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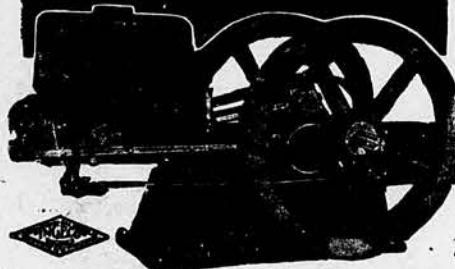
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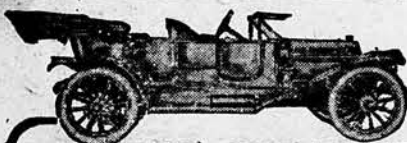
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Guaranteed absolutely no side draft, specially selected stock, nicely finished, made to work four horses abreast on Sulky and Gang Plows. Four Horse, price, \$4.40. Five Horse Evener same style as above. Five Horse, price, \$5.50. If your plow has not got a Cross Clevis, get our Frame Hitch Attachment, \$3.65. FORD MANUFACTURING CO., Dept. 7, ROCKFORD, ILL.



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Feeds & Feeding

QUESTIONS ANSWERED
by Prof. G. C. Wheeler

(Address queries to Farmers Mail and Breeze)

All Matter Contributed to this Column by Prof. Wheeler, Expert in Animal Husbandry, Extension Service, of Kansas Agricultural College, Bears His Signature.

What Kind of Silo to Build?

What would be the best type of silo for me to build? Is there any trouble with concrete silos cracking and how does the silage keep in them? Is it necessary to have a roof on the silo?—W. M., Elk county, Kansas.

Concrete silos built by the experiment station have caused no trouble by cracking. The silage now being taken from the cement silo at the dairy barn is especially good in quality. There is absolutely no spotted silage coming from this silo or from any of the other cement silos in use on the various experiment station farms. While a roof is not necessary for the preservation of the silage it is a good plan to have one on the silo. It gives it a more finished appearance and likewise prevents the silage from freezing in cold weather.

It would be impossible to advise you exactly as to what type of silo would be best for you to build. There are a number of splendid wooden silos on the market, the advertisements of which appear in the Mail and Breeze and other farm papers. Concrete silos are being built by a number of reliable contractors in the state and when properly constructed are thoroughly satisfactory.

G. C. Wheeler.

Peanuts for Fattening Hogs.

What is the relative value of peanuts as a feed for fattening hogs for market, as compared with corn?—D. C., El Paso, Tex.

The following table gives the chemical composition of the peanut kernel and corn:

	Crude protein per cent	Fiber	Carbohydrates Nitrogen free extract	Fat
Peanut kernel	27.9	7.0	15.6	39.6
Corn	10.3	2.2	70.4	5

The peanut is a nutritious feed, containing a large amount of protein and likewise a large amount of fat. Some splendid results have been secured in fattening hogs for market with peanuts. The Alabama Experiment Station conducted several tests and one of their conclusions was that an acre of peanuts is equal to about 3,200 pounds of corn in feeding value. The peanut being a legume and supplying so much protein should be classed as a supplement to corn.

I am sending you under separate cover a couple of copies of the Southwest Trail, treating on the Spanish peanut.

G. C. Wheeler.

Good Crops For Cow Feed.

What is the best time to plant cowpeas or Canadian field peas? Will these crops make good feed for dairy cows? What of the value of pumpkins and melons as a feed for cows?—A. H., Otero county, Colorado.

The cowpea is more of a bean than a pea. It will not germinate at as low temperature as peas, consequently can be successfully seeded only after the soil is thoroughly warm. The Canadian field pea resembles to a considerable extent the ordinary garden pea. They will germinate in cold soils and will thrive and do well in northern latitudes where cowpeas could not be used at all. Government bulletins Nos. 224 and 318, which have been sent to you, give you full information regarding these two leguminous plants. They both make splendid forage for milk production. In composition they very closely resemble alfalfa.

Pumpkins and melons are valuable milk producing feeds, mainly from the fact that they furnish succulent material at a season of the year when other green feed is not available. They should be broken or sliced before feeding the cows.

G. C. Wheeler.

How's the Horse's Hoof?

Have you ever tried "Wool Fat" for sore feet and lameness in horses? Horsemen in all parts of the country are reporting phenomenal success with the Corona Wool Fat put up by the Corona Mfg. Co., of Kenton, Ohio, in treating hard and contracted feet, split hoofs, grease heel, old sores and in fact all flesh and skin diseases. The manufacturers make a remarkable offer on page 9 of this issue of Mail and Breeze. They will send you a 2-pound can on absolutely free trial. Use it for 20 days before you pay for it. Don't fail to look up their offer.

Only One Kind of Paint Fits This Climate

If the paint you use is not made to withstand the degree of moisture—the exact climatic conditions—in this section, you may expect it to crack, check and peel off.

There's only one chance in four that paint made just one way—to fit all climatic zones—will give lasting service. But you are sure of lasting service when you use

Lincoln Climatic Paint

Made of four formulas—each to meet a particular climatic condition, whether damp, medium, dry or very dry.

The symbol on a can of Lincoln Climatic Paint shows the kind of climate it should be used in. Write today for the

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telling why and how climate has everything to do with the durability of paint. Also ask for new free booklet, "Home Painting Jobs—How

To Do Them"—showing simple, inexpensive ways of beautifying the home and lightening labor by the proper use of paints, enamels, etc.

Ask your dealer for Lincoln Climatic Paints, Lincoln Floor Paints, Lincoln Enamels, Lincoln Carriage and Automobile Paints, Lin-Co-Lac for interior finish and furniture, Lincoln Walamo for giving walls a fine, washable flat finish.

The Lincoln Standard of Quality is found in these and all our other paint specialties.

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Dept. 25

Lincoln, Nebraska

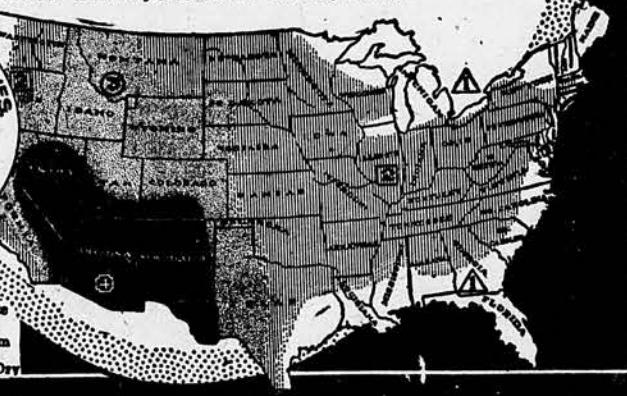
Factories: Lincoln, Nebraska—Dallas, Texas.



Explanation of Map

Symbol Formula Humidity Climate

Triangle —No. 1 80 & over Damp
Square —No. 2 65 to 75 Medium
Circle —No. 3 50 to 60 Dry
Cross —No. 4 Under 50 Very Dry



How to Buy a Baler

Be positive it has demonstrated that it can do what you are going to ask your press to do. See that the block dropper is placed out of your way. Make an honest measurement of the feed hole at the narrowest place. Get the press with the lowest feed hole—human muscle is worth saving.

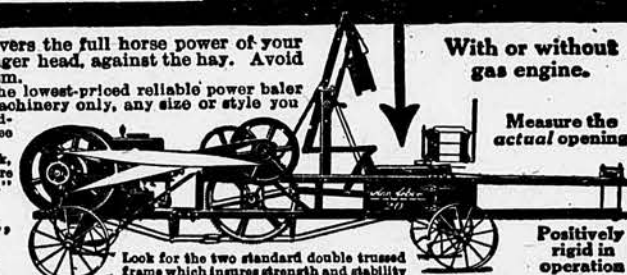
Look up its pedigree. Let the other fellow spend his money on new and untried kinds; the wise man sticks to the old reliable baler that has given satisfaction for over 26 years.

Ann Arbor HAY PRESSES
"THE BALER FOR BUSINESS"

The "Ann Arbor" delivers the full horse power of your engine right at the plunger head, against the hay. Avoid power-wasting mechanism.

The "Ann Arbor 20" is the lowest-priced reliable power baler built. We make baling machinery only, any size or style you need, and are the recognized leaders in this field. Our guarantee behind every baler we make. Send for new big Baler Book, No. 1, and let us tell you where you can see the "Ann Arbor." Write today.

Ann Arbor Machine Co.,
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With or without gas engine.

Measure the actual opening

Positively rigid in operation

Prevent Sore Shoulders

Ventiplex Pads keep the horse's neck and shoulders in good healthy condition—clean, dry and free from irritation.

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are made of our porous, patent Ventiplex fabric. Permits a free circulation of air and absorbs all sweat and moisture. Prevents sores, galls, rubbing, etc. Makes the horse more willing to throw his weight into the collar—to pull and work harder. See Ventiplex Pads at your dealer's. If he hasn't them, write us. Ask for booklet.

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Need little attention and pay big profits. If you are interested in them send for a sample copy of Gleanings in Bee Culture. Also a bee supply catalog.

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Farmers Sons Wanted with known edge of farm stock and fair education to work in an office; \$300 a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. The Veterinary Science Association, Dept. 22, London, Canada.

Uncle Sam's Next Big Job

(Continued from Page 3.)

neighbors) that he really needs the money, to buy a plow, a horse, some fertilizer or other thing which will contribute to his individual prosperity and, consequently, the prosperity of the neighborhood. I doubt whether he could borrow the money to buy an automobile, but he has become sufficiently thrifty so that he can lend money to the city folks.

Germany is not a big country—the whole empire is smaller than the state of Texas—but it has more than 26,000 co-operative societies, of which over 15,000 are composed of these village co-operative banks. They furnish the farmers with a safe place in which to deposit their savings and are doing a business of about 2 billions a year, largely on personal credit through notes of hand. The land mortgage systems of Germany are another proposition, conducted also largely on the co-operative plan, with a successful record reaching back over a century.

Could Farmers Run a Bank?

Of course, all this is contrary to the stereotyped American idea of letting a superior class, equipped with heaven-born intelligence, do our banking for us. Maybe those Germans are smarter than we are—or more honest—but I don't believe it. Such a thing as a failure is scarcely known among these institutions. For a period of a half a century the ordinary commercial banks have numbered 4 times as many failures as those run by the farmers. If our farmers are as smart as the Germans there is hope for us yet.

I am not prepared to say that the German system would fit in this country, but it is certain that we could study it to our advantage. The mere presence of a co-operative bank owned by the farmers of a community would operate at once to reduce interest rates. But if the farmers undertook to run their bank on the same lines as the bankers they have been complaining of, they would fail—and they ought to fail. There is a lot of human nature in farmers, as well as in bankers and it will take some time for the farmers to get as well organized as the bankers are. Paste that aphorism in your hat—it is worth reflecting upon in your leisure moments.

Meanwhile, the financial interests of the country are greatly concerned over the distressed condition of the farmer. They all want to "help him." Look out that they do not help themselves first. They have been at that game so long their altruistic spirit may fall asleep and their reflex consciousness set them to clipping coupons again in the same old way. You may confidently expect some proposition—perhaps several of them—to emanate from the next session of congress on this matter. Look out for Greeks bearing gifts.

A Job Ready for You Right Now.

There's a little job ready for the Nebraska farmers right now. A bill is pending in the legislature appropriating \$2,400 to pay the traveling expenses of two farmers from Nebraska to join the National Commission composed of two farmers from each state which is to go to Europe in May and look into this matter. This money is apportioned so that it will also pay our share of the expense of clerks, interpreters and stenographers and provide for a thorough investigation of this subject. Those who go will be able to see just how they are doing these things in Europe and report intelligently when they return.

It is well not to get excited and hurry matters. It may be that the German system would not fit here at all; in that case it would be well worth \$2,400 to know the facts; it might save us many thousands in future mistakes. If it will fit, the knowledge will be cheaply gained. If you favor this investigation and are a citizen of Nebraska write a letter at once to your senator and representative at Lincoln and ask him to support House Roll No. 346, providing for two commissioners to investigate agricultural credit in Europe. If you think it would be a waste of money, write and tell your representatives so; they are not mind readers and they cannot fairly represent you unless they know your wishes.

Meanwhile, if you wish to read up on the whole subject, write a letter to your congressman at Washington and ask him

to send you Senate Document No. 987, third session of the Sixty-second congress, which contains the letter of President Taft, the report of Ambassador Herrick and various other valuable papers discussing this whole matter. And as a final word of caution, do not allow yourself to be committed to any scheme of currency reform emanating from New York or Washington until you have learned more about how the French and German farmers run their business.

All Five For \$1.25

The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.25 will send all five 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.

POULTRY CULTURE, a "chicken magazine" full of practical, pertinent, timely and terse talk about the scientific money-making side of poultry raising. Edited by Reese V. Hicks, considered America's greatest poultry expert.

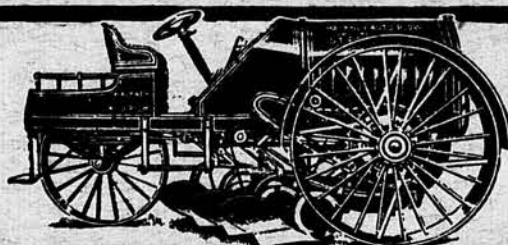
THE MISSOURI VALLEY FARMER, a big monthly farm and agricultural paper which should be read by every farmer. No liquor advertising is printed in any of these papers.

Remember, all five of these big papers will be sent to one address or to five different addresses if so desired for only \$1.25. 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

MAIL AND BREEZE, TOPEKA, KANSAS.

I cannot do without the Mail and Breeze.—T. H. Murray, Altamont, Kan.

Are You Going to the Threshermen's Convention at Wichita?



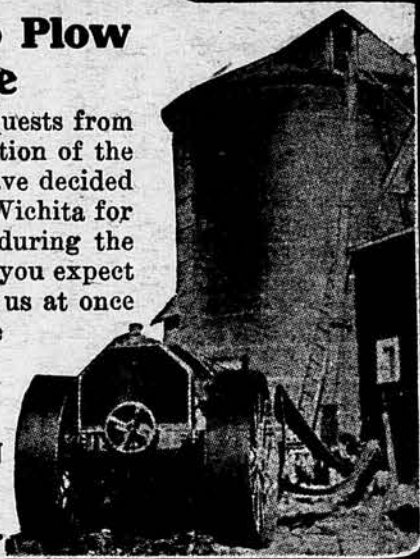
HACKNEY AUTO PLOW

The Hackney Auto Plow Will Be There

There have been so many requests from Kansas Farmers for demonstration of the Hackney Auto Plow that we have decided to ship one of our machines to Wichita for exhibition and demonstration during the Threshermen's Convention. If you expect to attend the convention write us at once so we can advise you where the Auto Plow may be seen.

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PRATT "50"
Long Stroke Motor
4 1/2 x 5 3/4

FULL EQUIPMENT
Gray & Davis Electric Starting and Electric Lighting.
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1913 Pratt Cars

Five Years—Every one successful as manufacturers of automobiles.

Forty Years—Every one successful as manufacturers of standard vehicles.

Get Catalogue showing photographic view of all models, and giving you the standards by which to value any car.

We have a business proposition for you. Our goal for 1913 is a "Pratt Car" in every locality. If there isn't one in your neighborhood—if there isn't a Pratt dealer near you it will be to your material advantage to write or wire and let us know.

Three Distinct Models—Pratt 50, 122-inch wheel base, electric starter and electric lighting system. Price \$2,150.00.

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It Does the Work of Three Teams

Is Built for the Hardest Wear and is a Wonderful Convenience and Money Saver

With this rig you can do more work in one-half the time than three men and three teams can do in a day. It hits the nail right on the head and it is built for the hardest wear and tear. It is guaranteed to give the best of service and satisfaction. Notice the size of the wheels, the large hubs, heavy, durable spokes and rims, axles strong and yet not too heavy, and wheels of just the happy medium—neither too high nor too low. You can put on the back seat and take your family to church or for a pleasure ride; you can haul your pigs, calves, sheep, milk, poultry, eggs and vegetables to market and be back home again before you could even reach town with a horse and wagon. Just think of the convenience of a rig of this kind. When you want something from town in a hurry you can jump into this transport and you have got it before you know it. You can go to town for your groceries, flour, feed, furniture, hardware, cement and lumber or anything you can think of and you can do it cheaper than you can drive a horse and wagon.

HOW I MAKE THE PRICE

There is only one way that I could make a price of \$595 on a rig of this kind, and that is by making them in big quantities. Remember this auto transport is no toy. It is practical, durable and built of the best material that could possibly be used for the purpose intended, and will give you all the service and satisfaction any car could give you even though it cost you twice as much. Send for full description and my special introductory offer that will help you pay for the transport and make you money at the same time. Write me today and you will be mighty glad of it.

WM. GALLOWAY CO., 20 Galloway Station WATERLOO, IOWA

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Another point: Our patented device cleans the machine in less than 2 minutes. Will save you time—will save you money—will save you cream. Skins close and clean. Easy to run—hard to wear out. Second to none.

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Save \$25. to \$40.

Any Kind of a Free Trial You Want—On Any Great Western Cream Separator

We will arrange to let you have a Great Western Cream Separator on any kind of a trial you want. Test the Great Western side by side with any other separator. Try them both on any kind of milk—warm, cold or stale. See how much better the Great Western is in every way. Then decide. We know that the Great Western beats them all. Comparison will prove it to you. You are safe in trying or buying a Great Western. Our

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protects you absolutely. Write us. Let us send you our book so you can read up on butter fat facts and cream separator profits. Read about the many features that make the Great Western pay enough more than any other separator to pay for itself quick. \$5.00 to \$15.00 more on each cow every year. You should investigate now even if you have a separator.

Our Book FREE tells best methods of separating—gives results of extensive experiments and proves Great Western superiority in many ways. Mail postal now—don't decide on any machine till our book comes.

ROCK ISLAND PLOW CO.
236 Second Ave. Rock Island, Ill.

A \$90-700 lb. "STANDARD" Cream Separators For \$6.50 Spot Cash

You can't beat our prices on the "STANDARD" Separator. You can't beat "STANDARD" quality.

Mail Order Price but Not a Mail Order Product

Capacity	Our Offer	Reg. Price
500 lb.	\$47.50	\$75
700 lb.	\$56.50	\$90
900 lb.	\$63.50	\$100

Sold Only Through Dealers

Guaranteed to last as long and skim as close as any hand separator made. Try it free on your own farm. Our money back guarantee goes with every machine.

See the "STANDARD" at your dealer's or write for Catalog. F. Standard Separator Co., Milwaukee, Wis.

POCKET DEATH

Kills Pocket Gophers, Ground Squirrels, Prairie Dogs, Kangaroo Rats, Ground Hogs, etc. Endorsed by experimental Stations. 1,400 tablets, \$1.25. Trial size 50c. prepaid. Warranted. Booklet free. Ask your druggist or send direct to F. D. CHEMICAL CO., FT. DODGE, IOWA



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.

The oleo men are still trying for a law that will let them color their product to represent butter.

There is no feed, or combination of feeds, equal to good green grass and we are thankful that it will soon be here.

Letting the cows go without salt for two or three weeks in stormy weather is many times responsible for churning troubles.

Cornstalk disease has been killing cows this winter in the West, but not so many as it did one year ago. There is a sure cure for this disease if you wish to try it—the silo.

Cheaper grain did not produce cheaper butter. It is the work connected with dairying that adds the value to the product. If butter could be grown like crops we might expect some time to see a surplus.

The milk cow, dry for a short time, should not be allowed to "rough" it. Any feed and attention she may get during the dry period will be paid for when milking time rolls round again. She should accumulate a little flesh during her resting period.

Folks back East, who know what western grain products have done to eastern grain growers, are wondering what will happen to the dairy industry when the westerners strike their gait. No need to worry; there will be a demand for all that can be produced.

It will pay to shelter the dairy feed just as much as it pays to shelter the dairy cows. Barns and silos save feed enough in a short time to pay for themselves. Rough feed is not going to be as cheap every year as it was during the winter of 1912-13.

Approved Rations Seem To Fail.

I have a mixed herd of Jerseys, Holsteins and Shorthorns. I have been feeding rations recommended in Mail and Breeze and other papers but do not seem to get the results I should. I first gave them 50 pounds of silage each and all the alfalfa hay they would clean up, then for a while fed a ration made up of 300 pounds bran, 300 pounds chop, and 100 pounds cottonseed meal. Later I tried a ration recommended by a Wisconsin paper—alfalfa hay, silage, and corn and cob meal, but with no better results.—R. G., Emporia, Kan.

To be sure that our friend might have unprejudiced advice we referred his difficulty to O. E. Reed, head of the dairy department at Manhattan. Mr. Reed writes:

"I do not see why your cows will not do well on the ration of silage and alfalfa, and the grain ration of corn chop, bran, and cottonseed meal. This is about as good a ration as I could suggest to you. I presume that you were feeding this ration before you changed to the ration suggested by the Wisconsin paper. If that is the case I would not expect to hear that you got an increase, but rather think that you would get a decrease in changing from the above ration to the silage, alfalfa, and corn and cob meal ration. I would suggest that you stay by the ration of corn chop, bran, and cottonseed meal."

Good Income From Four Cows.

[Prize Letter.]

Mr. Editor—I have been reading the very interesting letters on the dairy page from week to week and want to submit my experience for what it may be worth. We have been milking four cows this winter, one of which is a 2-year-old heifer. Besides the butter and cream used for a family of four, we sold cream to the amount of \$31.70 during the month of January. From November 1 to the middle of February the cream check averaged \$25 per month. We sell the cream because it

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Are in a Class By Themselves

They cost but a little more than the cheapest, while they save twice as much and last five times as long as other separators.



They save their cost every six months over gravity setting systems and every year over other separators, while they may be bought for cash or on such liberal terms that they will actually pay for themselves.

Every assertion thus briefly made is subject to demonstrative proof to your own satisfaction by the nearest DE LAVAL local agent, or by your writing to the Company direct.

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Separator go without one, buy other than a DE LAVAL, or continue the use of an inferior separator?

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We have our cows freshen in the fall, about September 1. They will then give the most milk when prices are best and when we have the most time to work with them. They will be dry through July and August, the two worst months for flies in the year. Every cow should have at least six weeks' rest and eight would be better. Fall freshening also means that we will have more time to devote to the calves at the most critical period of their lives. We feed each calf 2 gallons of whole milk a day for the first four weeks, then gradually change to separator milk. At 3 or 4 weeks old they will eat bright hay if given them. About this time we drop a little corn meal into the feeding vessel after they have finished their milk. Never put ground feed in calves' milk as they will simply gulp it down. We have never had a case of scours among our calves.
H. C. Park.

Mound City, Kan.

Dairy Profits From a Silo.

[Prize Letter.]

Mr. Editor—The best paying patch of ground on my farm last year was a 6-acre field containing 2 acres of Reid's Yellow Dent corn and 4 acres of White Kafir. These crops were put into a 55-ton silo which they more than filled. Both crops were cut September 18-19 and put into the silo the next day. The corn was well glazed at the time and the Kafir heads nearly matured.

On October 20 I began feeding 8 milk cows from this silo, 7 of them giving milk at the time. The cows received 50 pounds of silage each daily and 1 pint of cottonseed meal. Records kept on these cows for 6 weeks show that the butter and cream sold each week averaged \$12.38. I feed 15 gallons of skim milk daily to 21 pigs and 2 calves. I would not take 10 cents per gallon for the value I get out of this skimmilk in feeding it, but allowing 3 cents a gallon for it, its value would be \$3.15 a week. The total returns for the 6 weeks would therefore equal \$93.18.

During these 6 weeks the cows ate 7 tons of silage and 200 pounds of cottonseed meal. The cottonseed meal was worth \$3.30 which would leave \$89.88 of the returns to the credit of the silage, or in other words would make the silage worth \$12.84 per ton. The field produced 8 tons of silage per acre, which would mean a return of \$102.72 per acre. Estimating the value of the crops at \$25 per acre and including the cash outlay for filling the silo, the silage cost me \$2.75 per ton.

I have said nothing of the manure I shall haul to the fields this spring. Brother Farmer, if you want a bank account, put up a silo and fill it full of good feed. Then feed it out to good milk cows and your returns will come in every day, rain or shine.

Hartford, Kan.

C. B. Corbin.

Water to Float a Navy

If all of the water which has been pumped by Aermotors could be collected in one great body, it would form a sea on which all the navies of the world could maneuver. But you do not have to pump oceans of water to supply your own needs. What you want is some reliable and economical power which will supply plenty of water for your house, barn and fields.

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It costs nothing for power if you use an Aermotor to do your pumping. More water is pumped by Aermotors for stock and domestic purposes than by any other kind of pumping machinery. They do their work silently, surely and satisfactorily. Aermotors have been pumping water faithfully for the past 25 years. Go to any part of the inhabited world today and you will find the Aermotor there ahead of you. From Alaska to Patagonia, from Hongkong to Liverpool, from Siberia to the Cape of Good Hope and on all the islands of the sea you will find them. You cannot travel far today without seeing an Aermotor standing out as the most prominent object in the landscape. Aermotors have gone everywhere because wherever they have gone they have been found to be the most economical, and most reliable device for pumping water.

Count the Cost

The price of gasoline has taken a big jump. It is likely to go up again any day. The air is free and the supply is inexhaustible. No one can corner your source of power if you use an Aermotor for pumping water. The first cost of an Aermotor is small, the upkeep is almost nothing, the service is most satisfactory. Anyone who has used an Aermotor will never be satisfied with any other pumping device. It was the first steel windmill and has always been the best. Aermotor Galvanized Steel Towers are best, too.

"Storage Solves the Water Problem"

We have just issued a large hanger, 16 x 44 inches, on the above subject. It contains over 100 pictures of Aermotor outfits which have been pumping water for the farmers of one community for from 1 to 20 years. These pictures have been made from the finest lot of farm photographs that have ever been taken. If you will put up one of these hangers in your living room it will be the most talked about object there. It is 100 pictures in one and each individual picture shows a prosperous farm where the Aermotor is used for supplying all the water required. This hanger gives valuable information about the storage of water for household and stock purposes. You should certainly have one. It is free for the asking. Just one word "Hanger" on a postal card, with your name and address, will bring it.

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Why I make an offer like that I'll tell you. If your own brother told you of the wonders of the new Galloway Sanitary—told you the plain, bare truth—you would actually find it hard to believe him. And I wouldn't blame you. I know that there is not another machine in the world that is in the same class with the Galloway Sanitary. It's the greatest triumph of my entire manufacturing life. Four years ago I gathered together a force of the greatest and most successful separator builders in America. I turned them loose in my factories with the very finest and most modern machinery and the most skilled workmen. I gave them absolute, free rein but I told them that I wanted them to produce a separator so far ahead of anything ever heard of, that there would be simply no comparison. They succeeded even beyond my own expectations. When they told me what this separator would do, I couldn't believe them. I took it out to my own modern dairy farm and tried it. Now I know and I'm simply giving you a chance to find out just the way that I did.

The Only Way Is the Galloway Selling Direct From My Factory to Your Farm

Remember, every single piece of this Separator is made right here in my own mammoth, modern factories under the direct supervision of the men who designed it. When you buy from me you pay me just the actual cost of the material and workmanship only, with just one small factory profit added—that's all.

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Here's the biggest, finest, and most liberal offer I've ever been able to make and I want you to get it right away. If you will write me at once I'll tell you how you may get one of these wonderful Galloway Sanitary Separators either partly or entirely FREE. No canvassing, no work, no soliciting. How can I do it? It's too long a story to tell here. I'll explain it in a personal letter. But get this offer sure, right away.



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Peoria, Illinois

CROPS AND LIVE STOCK

By Correspondents of Farmers Mail and Breeze.

Wheat came out from under the snow looking better than it went under and the present spell of spring weather is bringing the fields out green and thrifty. The crop is several laps ahead of the stage at which the middle of March found it last year. At this time a year ago, wheat fields in Mail and Breeze territory were still covered with ice and snow, and after these were gone the baking and cracking of the surface did further damage. So if spring conditions have any part in determining what the outcome of the crop will be, 1913 will go down in history as a great wheat year. Our report from Cheyenne county, Kansas, states that a large acreage of spring wheat is to be put out in that part of the state.

There is just one small cloud on the horizon of wheat prospects at this time and that is the Hessian fly. That serious fly damage might be expected this spring was one of the warnings sent out by the Kansas Experiment station last fall. The eggs or "flaxseeds" of the fly are to be found in large numbers at the roots of the plants and with favorable weather conditions these will soon hatch and the flies be ready for their destructive work. The infestation seems to be greatest in northeastern Kansas, where most complaints have been heard. Fred Koch living southeast of Lawrence thinks he will have to plow up 70 of his 90 acres of wheat on account of fly damage.

Little spring work has been done as yet north of central Kansas. Some oats will be sown this week but most fields are too soggy and a frost every night is further retarding seedbed preparation. In various Oklahoma counties corn planting will begin March 20 to April 1. A large acreage of Kafir is being planned for in that state.

KANSAS.

Clay County—Snow is gone and wheat looks fine. Roads were almost impassable on account of snow. So far as examined most peach buds are dead.—H. H. Wright, March 8.

Crawford County—Wheat looks good. Oat sowing partly done but ground is too wet to work now. All stock doing well but feed is scarce and high. Very few hogs on feed. Hogs \$25, butter fat 34 cents, eggs 14.—H. E. Painter, March 8.

Sheridan County—Wheat fields covered with a blanket of wet snow. Condition of winter wheat is good. Spring work had started before the cold spell came. Cattle high. Horse market normal. Not many sales. Wheat 74 cents, barley 40, corn 40, eggs 12.—R. E. Patterson, Feb. 28.

Johnson County—Winter broken, and freezing, thawing and mud are the rule. Wheat ground soaked up and the crop looks fine. Farmers are looking over machinery and cleaning seed oats preparatory to getting into fields. Sale season over.—L. E. Douglas, March 8.

Mitchell County—Weather warm and pleasant after the short winter. Snow gone and roads in fair shape again. Wheat looks good. Oat sowing to begin soon. Sales numerous and everything sells at top-notch prices. Hogs \$7.80, wheat 75 cents, corn 45, butter 20, eggs 15.—J. H. DePoy, March 8.

Washington County—Have had about 2 feet of snow on level since February 20. Trains were stuck and mail carriers unable to get over their routes. The moisture is fine for wheat as the winter has been dry. The farmer's elevator is shipping hogs and cream.—Mrs. Birdsey, March 5.

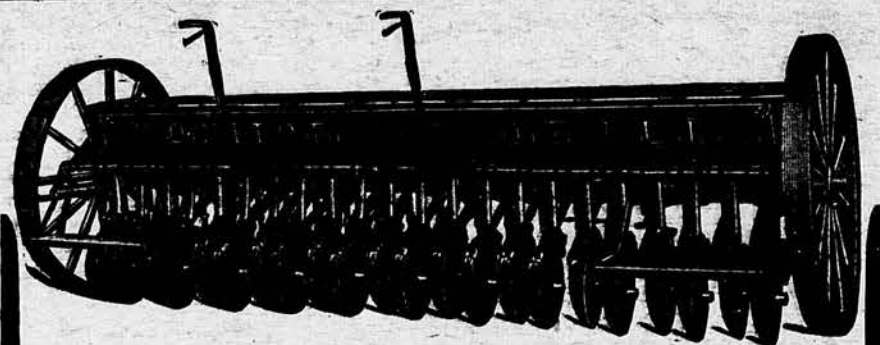
Russell County—Wheat greening up nicely since the snow. Ground has dried off enough on top so it can be worked and farming has begun. Feed plentiful. A few sales being held and stock sells well. Wheat 74 cents, seed oats 45 to 55, corn 53, eggs 14.—Mrs. Fred Claussen, March 8.

Cheyenne County—Had about 8 inches of snow through February and ground is full of moisture. Farmers anxious for ground to get dry enough to work. Fall wheat in good condition and from all reports a large acreage of spring wheat will be put out. Stock in fine shape.—Mrs. J. S. De Long, March 7.

Wilson County—February weather was disagreeable with plenty of snow and mud. High ground ready for plowing now. Moisture did not go very deep. Wheat and tame grass not showing much yet. Opening here for firstclass Percheron horse and jack. Native hay \$6, alfalfa \$9, corn 56 cents, eggs 15.—S. Canty, March 10.

Republic County—Weather warming up again and snow about gone. All east and west roads are almost impassable. Wheat apparently all right but needs more moisture as all exposed fields were swept bare of snow. Stalk ground will be too wet to work until after the middle of the month. Horse buyers getting numerous.—Ed. Erickson, March 8.

Thomas County—Had 5 or 6 inches of snow and real winter weather in last 10 days. Snow fine for wheat. The crop is in good condition. Plenty of feed and all stock has wintered well. Cattle high. Horses and mules sell at fair prices. A lot of cane and millet seed to sell. Not much



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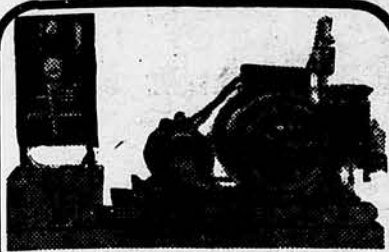
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moving done but some land is changing hands.—J. D. Graham, March 1.

Osborne County—The snow was of great benefit to wheat. The last few days of spring weather has made it look green down the drill rows. Some hogs still dying of cholera. Many sales and everything sells well. Wheat 75 cents, corn 40, cream 31, eggs 13.—W. F. Arnold, March 8.

Shawnee County—Snow about gone and wheat is looking fine. Farmers getting ready to sow oats and larger acreage than usual to be put in. Plenty of feed and all stock doing well. Some sales still being held and all stock sells high. Hogs will be scarce this year. Considerable corn in the county yet. Hogs \$8, wheat 75 to 80 cents, corn 45, eggs 15.—J. P. Ross, March 8.

Leavenworth County—Wheat looks unusually good and none will be plowed up this spring. No old wheat to speak of in farmers' hands but they have a good deal of corn. Farm sales about over. At a recent sale a grade milk cow brought \$101.50. Everything selling high. Brood cows bring \$35 to \$40, fall shoats \$12.10 per head. Corn 51 cents, oats 46.—Geo. S. Marshall, March 8.

Cherokee County—Wheat was looking fair but was covered with snow March 1. Some oats sown the middle of February. Acreage will be larger than usual. More plowing done than for several years. Farmers vaking up to advantages of silo. Sales numerous and well attended. Corn being shipped in at 57 cents at car. Home grown corn 50 cents, oats 50, hay \$10.—J. W. Harden, March 5.

Morton County—March came in like a lion but has been spring-like since. Soil not very moist but some breaking being done. Farmers are talking of sowing large acreage of barley. A little already sown. Soil has blown but little so far this spring. Grass has started in some localities. More incubators running this spring than ever before. Farmers' Institute of March 6 and 7 was well attended.—Mrs. Margaret McGee, March 8.

OKLAHOMA.

Payne County—Weather changeable for last month. About half of oat acreage sown. Bad weather has delayed farm work. All kinds of feed scarce. Eggs 13 cents, butter 17, hens 10½.—A. M. Leith, March 8.

Lincoln County—Oats all sown and potatoes planted. Plowing well along. Grass beginning to show up. Farm teams and milk cows selling high at sales. Hay \$12, corn 60 cents, butter 20, eggs 15.—J. B. Pomeroy, March 8.

Beaver County—Recent snows stopped farm work but gave us much needed moisture. Wheat sown late is just coming up. Oat sowing is order now. Broomcorn \$30 to \$60 per ton, hogs \$7, corn 48 cents, Kafir 35.—M. B. Edwards, March 6.

Grant County—Light rains and snows, have put top soil in fine shape for spring crops. Wheat never looked better and first sowing of oats coming up. More oats being sown now as ground has been wet and frozen. All the women are talking "incubator." Some chicks hatched. Eggs 14 cents, butter 20.—A. C. Craighead, March 8.

Cleveland County—Changeable weather and had several inches of snow February 28. The snow laid where it fell and all soaked into the ground. Farmers busy finishing oat seeding. Ground too wet in some places. Wheat green and thrifty. Ready sale for stock of all kinds. Poor market for hay. Butter 25 cents, eggs 16, hens 10.—H. J. Dietrich, March 3.

Garvin County—Fine week for farming and farmers have made use of it. Oat sowing finished and part of crop is up. Corn ground being prepared and planting will begin about March 20. Good deal of burning for chinch bugs done this week. All grades of cattle bringing high prices and few being fed. Some hog cholera reported.—H. H. Roller, March 8.

Tillman County—The snow of last week put a smile on farmers' faces. Wheat making a new start. Farmers getting ground in shape to begin planting corn April 1. All indications point to a large Kafir acreage this year. Plenty of feed on hand to put in crops. Prairie hay \$7, wheat 80 cents, shelled corn 45, snap corn 35, milo 70 cents per 100 pounds, eggs 12½, cream 26.—Edward T. Austin, March 3.

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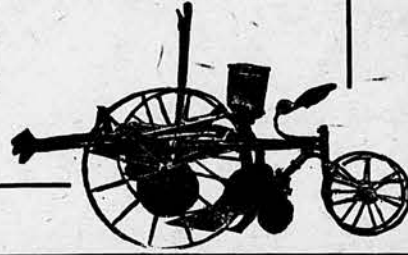
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Poultry Keeping

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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.

Many chick ills could be traced to a lack of grit.

Health shows through a red comb and bright eye.

Separate rooms for layers and hatcheries are best always.

A sandy, south exposure makes the best kind of run for the flock.

Seven pounds of skim milk will about equal 1 pound of lean beef in feeding qualities for poultry.

Many a brood of chicks is given a bad start of feeding too soon. Let them wait 36 to 48 hours.

A small, well kept flock may prove a profit where a flock of twice the size might show a distinct loss.

To make the layers take some exercise, throw some ears of corn into the pen.

Scratching Shed at Low Cost.

[Prize Letter.]

Mr. Editor—We improvised a scratching shed this winter that has proven a great factor in securing the good returns our flock has brought us. We made a pen of 40-inch poultry netting by setting two lengths about 12 inches

but they should never be kept in a room where the temperature gets down below freezing.

I feed wheat screenings the first week, cracked kafir, and some corn chop mixed in. I get them on whole grain as soon as possible. An occasional bran mash makes a good change, but should be fed until the chicks are 2 or 3 weeks old. One feed too often neglected or forgotten is grit. That is their first requirement in the way of something to eat. Give them plenty of it and do not mix with other food. Place it where they can reach it at all times and the same way with water.

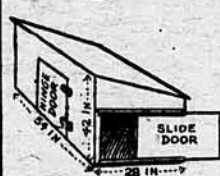
Belle Crandell.

R. 3, Hutchinson, Kan.

Handy Coop and Pen For Chicks.

[Prize Letter.]

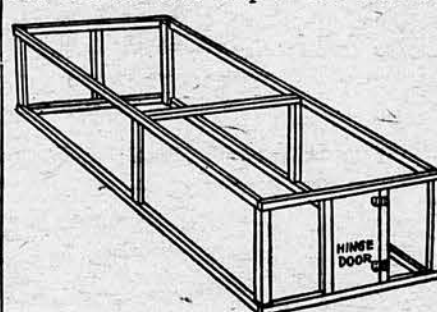
Mr. Editor—About the handiest things in the way of poultry yard equipment on this place are a coop with two doors



and wire covered pen for chicks.

The coop is also useful for setting hens and no further changes need be made when the hatch comes off.

The sliding door is very handy to open part way so as to allow chicks of any size to get in and out but still keep in the old hen.



Cover with poultry netting.

The coop may also be placed so as to have one of the doors open into the feed-

Your Co-operation Invited

The Supplemental Poultry Number of Farmers Mail and Breeze is to appear April 5. All matter intended for its reading columns must be in hand by March 23 at latest. Still earlier would be better. The wish is that the Supplemental Poultry Number shall fittingly represent what is being done with poultry in Mail and Breeze territory, especially by readers of the Mail and Breeze. Good photographs of stock or eggs, and photographs or drawings of houses, coops or other devices, will be especially welcome. Also useful suggestions based on personal experience in poultry management, hatching, brooding, chick-raising, feeding, etc., etc. In fact, anything tending to promote better profits in any branch of the business with any kind or variety of fowls. There will be plenty of suitable rewards for best contributions. Your co-operation is cordially invited.—Poultry Editor Farmers Mail and Breeze.

apart. Straw was packed between these which made a good windbreak. A low shed was built on the north side, opening on the pen on the south. Straw was hauled into this pen and shed and their grain put into the straw. The flock enjoyed the new order of things very much and we are enjoying the eggs.

R. L. Ridgway.

R. 6, St. John, Kan.

For the Egg-Eating Dog.

Mr. Editor—Tell Mrs. T. A. to make a hole in each end of an egg and blow out part of the white. Then mash up two castor beans and put into the egg. Leave the egg where the dog can get it and on eating it he will become deathly sick but it will not kill him. He will be all right in a few days but he will suck no more eggs.

W. F.

Hunnewell, Kan.

First Aid to the New Brood.

[Prize Letter.]

Mr. Editor—My 20 years of experience in keeping chickens leads me to believe that most chick troubles are caused by feeding soft foods and keeping the chicks too closely covered in boxes at night. Chickens of all ages need plenty of fresh air at all times. A cracker box with straw in it, rounded out in the center, will accommodate about 25 chicks at night. They should be covered according to the temperature of the room,

Wellington, Kan.

How the Reds Responded.

Mr. Editor—I have a flock of R. C. R. I. Reds consisting of 78 hens and 22 pullets. During December I marketed 30 dozen eggs and in January gathered 58 dozen from this flock. I have no scratching shed so built a small pen of wire netting in front of the hen house. The ground was covered with a deep litter and cracked corn, oats, and wheat scattered in this for the morning feed. At noon they have a dry mash and at night a feed of whole corn. I find the Reds to be not only good layers but a good all around farm bird.

Mrs. Clarence Lacey.

R. 3, Meriden, Kan.

Who Is Using a Good One?

Mr. Editor—If any reader is using a homemade brooder that is really successful I would like to know how it is made, and operated. Let us hear from you through the old reliable Mail and Breeze.

Broken Arrow, Okla.

B. M.

Get 100 Per Cent Hatches

The hatching season is here. Every day you wait from now on means loss to you! You don't want to experiment. You want an incubator that will hatch every fertile egg. Write me today! I'll tell you how to get 100% hatches with my

Six Times World's Championship Winner Belle City Incubator

I will send you the proof how just ordinary men and women without previous hatching experience, get 100% hatches with my World's Champion Belle City Incubator by following my instructions. You can do it too, just as easily! Let me tell you how the U. S. Government investigated my incubator and is now one of my 201,840 Belle City users! One, two or three months' home test—10-year money-back guarantee! Freight prepaid East of Rockies—allowed that far to points beyond.

My 140-Egg World's Championship Belle City Incubator has Oakes double disc self-regulator, correct hot water heating system, copper tank and boiler, safety lamp, double walls and double door, with dead air space all over, with roomy nursery and strong egg tray. Tycoos thermometer. I also supply egg tester, Edw. Miller sun hinge burner, funnel, everything you need including valuable instruction book on operation, hatching and care of chicks. My famous 140-Chick Belle City Brooder is the only double-walled, hot water, top heat brooder made, guaranteed to raise the largest percentage of chicks.

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Uses Only One Gallon Oil to a Hatch—Lamp Only Has to be Filled Once!

And there are many other patented features. Top has two double glass panels—Thermometer in sight all ways. Eggs are never removed from X-Ray. To ventilate or turn eggs simply raise lid. Write today for Free Book No. 47 on X-Ray Incubators and Brooders. X-Ray Brooder guaranteed to raise every chick worth raising. We pay freight. X-Ray Incubator Co., Wayne, Nebr.

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EGGS safely shipped by parcel post or express in Jayhawk corrugated boxes. We also make boxes for shipping baby chicks. Write for prices and sizes. Department A, Lawrence Paper Mfg. Co., Lawrence, Kan.

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\$100 MONTHLY and expenses to trustworthy men and women to travel and distribute samples; big manufacturer. Steady work. S. Scheffer, Treas., P. M. Chicago

Will Fumigation Cure Roup?

READERS' REPORTS.

Mr. Editor—My chickens have never had the real roup but when I notice them sneezing and breathing hard I fumigate the house at night while the birds are on the roosts. I put some live coals in an old pail, pour about a teaspoonful of pine tar over them, then throw in a handful of sulphur, and let it smoke. The chickens will do a lot of sneezing but that opens their heads. If your hen house is tight be careful that the fumes do not get too strong for the fowls. I take a lantern and look in every now and then to see that none of the birds are overcome by the fumes.
Mrs. H. F. Bergman.

Vermillion, Kan.

Don't Suffocate the Birds.

Mr. Editor—I broke up the roup in my flock by fumigating with sulphur. I put live coals in an iron kettle and sprinkle liberally with sulphur, having first made the building as tight as possible. I close up the birds 30 minutes, running in occasionally to see if any are suffocating. The chickens will stand it better than you can. At the end of a half hour I turned the flock out. I then put on more fresh coals and sulphur, and fumigated the empty house thoroughly for an hour. On the fourth day the same treatment was repeated. The roup disappeared entirely and has not reappeared. I believe this dreaded disease would never get a foothold if poultry houses were fumigated once a month.
Mrs. Pearl Chenoweth.

Jennings, Kan.

An Ointment For Heads.

[Prize Letter.]

Mr. Editor—I fumigate my fowls with sulphur after they are on the roost. I throw a tablespoonful of sulphur on a shovel of hot coals and set under them. This will make the birds sniff and cough but is good for them. In about 5 minutes I open the door and let in a little fresh air, then close again. I do this every other night for a while. A little carbolic acid poured over a hot iron also is good.

In addition to the foregoing put a small quantity of permanganate of potash in the drinking water and see that they drink it. When combs get sore and head and eyes swell make an ointment of 1 teaspoonful of turpentine, ½ teaspoonful carbolic acid, 1 tablespoonful of coal oil, and 2 tablespoonful of vaseline. Grease the affected parts with this mixture every day. I have found this very good.

Devon, Kan.

Mrs. John Mowrey.

Ordinary Stock Dip Will Do.

[Prize Letter.]

Mr. Editor—Tell W. K. P. to secure any good coal tar dip, except that used for sheep dipping exclusively, to fumigate his chickens for roup. The best way is to fumigate with an incubator lamp. Set the lamp into a keg or small box and set a tin cup with a tablespoonful of dip in it, over the lamp. Set an open coop over the lamp, with the open side down, and place the worst cases in this coop, five at a time. Leave them in only 5 minutes, and treat them twice a day. The fumes that escape into the poultry house will be sufficient treatment for the lighter cases. Where eyes are swelled shut anoint the head with vaseline after smoking.

Where one has no lamp suitable, a bucket of hot embers with a small pan of the dip over them, will answer the purpose, but in that case one must take one bird at a time and hold it over the smoke, head down. If these directions are faithfully followed you can cure the worst cases of roup. I have cured birds when they were entirely blind with it. Have seen hens with diphtheritic roup expel pieces of mucus over an inch long by sneezing, caused by the smoke.

A 10-minute smoking once a week in a tightly closed hen house will prevent roup ever getting a start, and it is also death to lice and mites. Smoking a hen just before setting her and again just as she comes off with her hatch, will protect hen and chicks from mites. A 2-minute smoke will not hurt chicks more than 2 weeks old but do not close up the house as tightly as for grown chickens.
Mrs. L. W. Knox.

R. 1, Reeds, Mo.

Reliable Poultry Breeders

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S. C. REDS. Eggs and baby chicks. Mrs. P. D. Spohn, Inman, Kan.

S. C. R. I. REDS. Eggs for sale, \$1.00 and \$2.00 per 15. W. A. Scott, Piper, Kan.

SINGLE COMB RED eggs 15 \$1.00. 100 \$5.00. Royal Yeoman, Lawrence, Kan.

SINGLE COMB REDS. 100 eggs \$3.50, 30 \$1.25. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.

ROSE COMB REDS. Fine farm range flock. 100 eggs \$5.00. L. G. Brown, Wilson, Kan.

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R. C. RED eggs, \$1.50 per 15. Both combs. De Graff strain. Mrs. Ethel West, Garfield, Kan.

SINGLE COMB RED eggs \$1.00 per 15. \$5.00 per hundred. Mrs. Louis McCollam, Kincaid, Kan.

ROSE COMB RED eggs at 4 cts. each or 4 dollars per 100. Mrs. Jas. Shoemaker, Narka, Kan.

EGGS. Rose Comb Rhode Island Red, \$5.00 per hundred. Emma Curtis, Lawrence, Nebr.

SELECTED Single Comb Reds. Eggs \$3.50 for 100. Pen \$1 for 15. Mrs. George Dillon, McLouth, Kan.

ROSE COMB REDS. Winners. Eggs \$1.00, \$1.50 per 15. Chix \$1.50 to \$2.50. Mrs. Alta Murphy, Luray, Kan.

REDS. Have won more premiums than any two competitors at state shows. Robert Steele, Sta. B, Topeka.

SETTING R. C. RED eggs \$1.50. We prepay transportation. Good stock. Prosperity Poultry Farm, Barnes, Kan.

EGGS. Special mating. Rose Comb Reds. Prize winners. \$1.50 per 15. \$7.00 per 100. Mrs. A. L. Scott, Larned, Kan.

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GUARANTEED settings from pure bred R. C. Reds. Fine laying strain. \$1.50 per 15. Will Cochran, Oakley, Kan.

ROSE COMB RED eggs, fine strain, \$1.00 per 15 or \$3.00 per 50. Mrs. T. A. Richard, 527 Webster St., Clay Center, Kan.

PURE SINGLE COMB REDS, exclusively. Splendid quality. Eggs \$1.00 15, \$5.00 100. Mrs. W. L. Maddox, Hazelton, Kan.

R. C. REDS. Eggs from well culled range flock, 100, \$4; choice pen eggs 15, \$2; fifty \$5. Mrs. B. F. Weigle, Winfield, Kan.

EXTRA FINE Rose Comb Reds. Cockerels \$2.00. Eggs \$1.00 setting, \$4.50 per hundred. Mrs. Charles Joss, Topeka, Kan.

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STANDARD BRED REDS, both combs. Good show record. Eggs, \$1.50 to \$3.00. Mating list free. T. N. Marshall, La Cygne, Kan.

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ROSE COMB REDS. Silver cup winners. Eggs from pens, per 15 \$1.50 and \$2. Range \$1.45 per 100. Mrs. Alice Clinkenbeard, Wetmore, Kan.

ROSE COMB REDS exclusively at Elm Dale Farm. Eggs 5 cents each. Baby chicks ten cents each. Geo. Ella, Valley Falls, Kan., R. F. D. No. 1.

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ROSE COMB REDS. 1st prize and high scoring birds. Eggs \$5 for 45—carefully packed. Range \$5 for 100. Chks. \$1 to \$3. Mrs. J. C. Banbury, Pratt, Kan.

RHODE ISLAND REDS, both combs. Hatching eggs low price, fertility guaranteed, securely packed, parcel post or express. Mating list free. H. A. Sibley, Lawrence, Kan.

STOVER & MYERS, Rose Comb Reds, choicest quality. Winning 28 ribbons at Oswego, Tulsa, Fredonia and Kansas State Show. Eggs cheapest in West, quality considered; Yard A & B, \$5.00 per 15; C & D, \$2.50 per 15; Yard E, \$4.50 per 100. Free circular. Fredonia, Kan.

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EGGS. Wonderful bargain. Rose Comb Reds; score to 93%. Fourteen prizes 1912. All good; headed by grand males; \$6.00 per 100. Chicks 30c each. Mrs. Abbie Rieniets, Pratt, Kan.

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PURE BRED White Langshan cockerels and eggs. Mrs. Alice Burkdaal, Lane, Kan.

BLACK LANGSHANS (Shoemaker) cockerels \$1.50. Mrs. Annie Pearce, Kildare, Okla.

WHITE AND BLACK LANGSHANS. Cockerels and eggs. Mrs. Geo. Church, Burlington, Colo.

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GOOD farm raised Black Langshans. Eggs, 15 \$1.50, 100 \$7.50. Mrs. Geo. W. King, Solomon, Kan.

IMPERIAL BLACK LANGSHANS. Eggs, \$6.00 per hundred. Martha Haynes, Grandview Farm, Grantville, Kan.

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EGGS \$5 hundred, \$3 fifty, \$1 setting. Mrs. Frank White, Furlay, Kan.

PURE LIGHT BRAHMA eggs and baby chicks. Carrie A. Beckwith, Wamego, Kan.

FOR SALE—Thoroughbred Light Brahma cockerels. One dollar each. D. C. Davis, Cimarron, Kan.

LIGHT BRAHMAS. Eggs 75c for 15. Turkeys. M. B. eggs \$1.25 for 11. Mrs. Emil Grunewald, Alma, Kan., R. 3.

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ROSE COMB BLACK MINORCA eggs, \$3.00 15, \$5.75 30. Satisfaction guaranteed. Fred Keim, Seneca, Kan.

WHITE MINORCAS. Good layers of large white eggs. Stock first class. \$1.50 15. A. Manley, Cottonwood Falls, Kan.

SINGLE COMB BLACK MINORCA chks. \$3.00. Eggs \$2.00 15. A. L. Liston, Garden City, Kan.

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WHITE FACE BLACK SPANISH eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. A. W. Swan, Centralia, Kan.

PRIZE WINNING Black Spanish eggs and baby chicks. Also Black Tailed Japanese Bantams. Stamp for circular. H. Chestnut, Centralia, Kan.

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BUFF COCHIN cockerels \$2.50 to \$5.00. Pullets \$2.00. Housel, Smith Center, Kan.

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BUFF COCHIN Bantam eggs from prize winning stock. Mrs. Geo. Church, Burlington, Colo.

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CHOICE S. C. White Leghorn eggs cheap. Write Russell Leonard, Parkville, Mo.

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ROSE COMB WHITE LEGHORN cockerels \$1.00 each. Mack Posey, Larned, Kan.

S. C. BROWN LEGHORN eggs for hatching, \$3.50 per 100. Mrs. C. Stinton, Geneva, Neb.

S. C. WHITE LEGHORN eggs. Right kind. Circular free. Ed Schaller, Toronto, Kan.

SINGLE COMB WHITE LEGHORNS. Eggs \$1.25 for 15. B. E. Anderson, Foss, Okla.

SINGLE COMB WHITE LEGHORN eggs 15 \$1.00. 100 \$5.00. Royal Yeoman, Lawrence, Kan.

ROSE COMB WHITE LEGHORN eggs. Write for circulars. Jennie Martin, Frankfort, Kan.

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BUFF LEGHORNS. Baby chicks 12 1/2 cts. each. 100 eggs \$5. Mrs. John Wood, Solomon, Kan.

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PURE S. C. B. LEGHORN eggs \$3.00 per 100. Safe delivery guaranteed. C. V. Douglas, Tecumseh, Neb.

TOP NOTCH S. C. White Leghorns. Superior layers. Eggs, chicks. Armstrong Bros., Arthur, Mo.

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EGGS FOR HATCHING. Single Comb White Leghorns. Only breed on farm. Satisfaction guaranteed. Miss Skelley, Della, Kan.

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S. C. BUFF ORPINGTON eggs from prize winners, for hatching. Mrs. E. C. Eckart, Humboldt, Kan.

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S. C. BUFF ORPINGTON eggs from prize winning strain, \$1.25 per 15. Mrs. G. B. Wengert, Lebo, Kan.

WHITE ORPINGTON eggs. Large stock. Setting \$1.50. Hundred \$7. Mrs. Helen Lill, Mt. Hope, Kansas.

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SINGLE COMB BUFF ORPINGTON cockerels and pullets of splendid breeding. Eggs from two fine pens \$2, \$3 per 15. Mrs. W. M. England, Callao, Mo.

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KELLERSTRASS Orpington eggs dollar per 15. Cockerels from eggs direct from Kellerstrass. Single Comb Buff Orpingtons, (Cook) \$1.00. Golden Seabright Bantams .06 each. Fred Schumann, Paola, Kan.

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WHITE EGG strain. Fawn and White Indian Runners. Eggs \$1.00 per 13, \$3.00 per 50. Sharp, Iola, Kansas.

INDIAN RUNNER ducks. Fawn and White. American Standard. Pure white eggs, \$1.50 15. A. Manley, Cottonwood Falls, Kan.

INDIAN RUNNER duck eggs. Fawn and white. \$1.25 per 13, \$4.00 per 50, \$7.00 per 100. G. Richmond, Alma, Kan.

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HIGH SCORING White Pekins. Drakes \$1.50 \$2.50. Eggs \$1.00. Special prize mating \$2.00 per 15. Miss M. Kragh, Driftwood, Okla.

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INDIAN RUNNERS, American standard light fawn and white. White egg strain. Eggs \$1.50 per 13, \$4.50 per 50. Mrs. Otis Russell, Canton, Kan.

LIGHT FAWN AND WHITE Indian Runner eggs, fine color, shape and markings, \$1.50 per 15. Penciled \$1.00 per 13. Walter Wright, Bronson, Kan.

INDIAN RUNNER ducks; pure white and fawn and white. Mottled Anconas and Buff Rocks. Stock and eggs for sale. G. W. Skinner, Baxter Springs, Kan.

WHITE INDIAN RUNNER ducks (fishel strain). No stock for sale. Eggs three dollars per 10, five dollars per 20; always white. A. E. Kroth, Havensville, Kan.

LIGHT FAWN AND WHITE Indian Runner eggs. Fine color, shape, and markings. \$1.50 per 15. S. C. Buff Orpingtons, \$1.00. Ethel Hammons, Bronson, Kan.

INDIAN RUNNER ducks, American Standard light fawn and white. Prize winners. White eggs, \$1.50 per 15, \$4.00 per 50. Mrs. D. A. Pryor, Route 3, Fredonia, Kan.

FAWN AND WHITE RUNNERS. White eggs. Won 3 blue ribbons State Show, 1913. Per 15, \$2.50. Pen 2, \$1.50. Rose Comb Reds, excellent stock, 15 \$1. Julia Little, Conway Springs, Kan.

MAMMOTH PEKIN duck eggs ten cents each; 50 eggs, charges prepaid. Mating list Partridge Wyandottes, Crystal White Orpingtons now ready. Investigate Page's Poultry Farm, Salina, Kan.

TURKEYS.

WHITE HOLLAND turkeys. Toms \$4.00; hens \$3.00. Mrs. R. A. Lewis, Bison, Kan.

PURE BRED Mammoth Bronze toms for sale, \$5.00. S. A. Renner, Rush Center, Kan.

MAMMOTH BRONZE turkey tom. Weighs 25 pounds. \$5. Mrs. Helen Lill, Mt. Hope, Kan.

BOURBON RED turkey eggs 25 cents each in numbers of 8 or over. Mrs. M. H. Arnold, Toronto, Kan.

BOURBON RED turkey eggs, \$3 for 11; with directions for raising them. Mrs. C. B. Palmer, Uniontown, Kan.

BOURBON RED turkey eggs \$2.50 for eleven. S. C. Red eggs 75c for fifteen, \$4 for 100. Lorenzo Reed, Kanopolis, Kan.

BOURBON RED turkeys. Mostly two-year-old breeders. Standard size and markings. Eggs \$3.00 per 11. Stover & Myers, Fredonia, Kan.

HOUDANS.

HOUDANS, world's greatest winter layers. Stock and eggs. Lee Biglin, Alta Vista, Kan.

Reliable Poultry Breeders

PLYMOUTH ROCKS.
WHITE ROCK cockerels \$1.50 each. F. G. King, Olivet, Kan.
WHITE ROCK cockerels. Fishel strain. Anna Nelson, Roxbury, Kan.
BUFF ROCK eggs \$1 per setting, \$5 per hundred. William Small, Wilson, Kan.
PURE BARRED ROCK eggs \$1 for 15, 100 for \$4.50. G. M. Shepherd, Lyons, Kan.
QUALITY WHITE ROCKS. Eggs for hatching. J. A. Kauffman, Abilene, Kans.
BUFF ROCK eggs from good quality stock. Mrs. Perry Myers, Fredonia, Kan.
BUFF PLYMOUTH ROCK eggs, four dollars hundred. Thos. Moore, Osga City, Kan.
BEST EGGS for hatching, Barred Rocks, \$5 per 100. Mrs. Albert Gehens, Manhattan, Kan.
WHITE ROCKS. Fishel strain. Eggs, 15 \$1.25, 100 \$5.00. Mrs. Frank Powell, Buffalo, Kan.
PURE BRED WHITE Plymouth Rock eggs, \$1 per 15, 100 \$4.50. Mrs. Henry Ogle, Norwich, Kan.
WHITE ROCKS. Free range. Eggs, 15 \$1.00, 100 \$3.00. H. F. Richter, Hillsboro, Kan., R. 3.
FANCY BARRED ROCK eggs, mated pens, \$1.50 to \$2.50 per setting. M. P. Thielen, Russell, Kan.
CHAMPION Barred Rocks. Premium stock. Write me. Mrs. Chris Bearman, Ottawa, Kan.
PURE BRED Barred Rock eggs \$1.00 setting, \$4.00 100. Wm. C. Mueller, Hanover, Kan., R. 4.
GUARANTEED extra fancy Bradley Barred Rock eggs cheap. Russell Leonard, Parkville, Mo.
PEERLESS WHITE ROCK cockerels for sale; very large size. Julius Michelson, Hanover, Kan.
WHITE ROCK cockerels and eggs. Fine, pure white. Write W. J. Lewis, Lock Box 153, Lebo, Kan.
BLUE BARRED ROCK eggs; prices reasonable, considering quality. Write Milton Delhi, Lawrence, Kan.
PURE BRED Barred Plymouth Rocks exclusively. Eggs, 15 75c, 100 \$3.50. S. B. Shaw, R. 3, Goff, Kan.
BARRED PLYMOUTH ROCK eggs \$1 per 15, \$5 per 100. Farm raised. Eliza Thomas, Silver Lake, Kan.
FOR SALE—Pure White Rock eggs. Price 15 for \$1.50, 100 \$5.00. Ida Baugh, Kincaid, Kan., Route 2.
PURE BRED White Plymouth Rocks. Beauties. Eggs for hatching. Mrs. Elmer Lane, Burlington, Kan.
BUFF ROCKS—Eggs for hatching \$1.00 per setting. Mrs. S. H. Hendrickson, Okeene, Okla., R. F. D. No. 1.
WHITE PLYMOUTH ROCKS—Eggs from show winners \$1.50 per 15, 100 \$5.00. W. H. Beaver, St. John, Kan.
BUFF PLYMOUTH ROCKS—Eggs and baby chicks at reasonable prices. Mrs. Fred Miller, Wakefield, Kan.
BARRED ROCKS—Eggs \$1.00 15, \$2.50 100. Scored stock \$2.00 15. Mrs. A. M. Markley, Mound City, Kan.
WHITE ROCKS—Scored to 94% by Stoner. Eggs, 100 \$4.00. Cockerels \$1.50. Mrs. J. W. Hoornbeek, Winfield, Kan.
PURE BARRED ROCKS. Cockerels \$1.50. Hens \$1. Eggs \$1 per 15, \$5 per 100. Mrs. H. Buchanan, Abilene, Kan.
BARRED ROCK hens and pullets. Write for 1913 mating list for price of eggs. Mrs. E. C. Wagner, Holton, Kan.
BARRED ROCK cockerels \$1.00. Eggs \$4.00 per hundred. Fine large birds. Chas. Cornelius, Blackwell, Okla.
BUFF ROCK bargains. Fine stock at reasonable prices. 50 eggs \$4.00. Write me. W. F. Alden, Ellsworth, Kan.
TWO DOZEN thoroughbred Barred Rock hens and pullets mixed, \$10 per doz. Mrs. O. M. Chilcote, Mankato, Kan.
BIG TYPE BARRED ROCKS. Thirty-five years' scientific breeding. Eggs and stock. A. H. Duff, Larned, Kan.
IVORY WHITE ROCKS. 1st prize winners. Eggs 1st pen \$2.50, utility \$1.00 per 15. Herman Steckel, Woodbine, Kan.
PURE BRED WHITE ROCKS. Farm range. Eggs, 15 \$1.25, 100 \$4.00. Satisfaction guaranteed. G. M. Kretz, Clifton, Kan.
WHITE ROCK EGGS, best strains, extra layers, \$1 for setting, \$5 per one hundred. Mrs. E. E. Williams, Sabetha, Kan.
BARRED ROCKS, Blue Jacket Ringlets laying strain. Eggs for hatching, pen and utility. Mrs. P. A. Pettis, Wathena, Kan.
PURE BRED BARRED ROCKS: farm raised. Eggs, 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.
BARRED ROCK eggs; fine exhibition matings; fifteen eggs \$3.00, 30 eggs \$5.00. Frank McCormack, Morrowville, Kan.
WHITE IVORY ROCKS. Two pens mated from prize winners past season. Settings reasonable. A. F. Holmgren, Nickerson, Kan.

Reliable Poultry Breeders

PLYMOUTH ROCKS.
EGGS from Thompson's Imperial "Ringlets" at very reasonable prices. Also baby chicks. W. F. Wright, Spirit Lake, Iowa.
BUFF ROCK eggs by parcel post from quality stock at reasonable prices. Write today. William A. Hess, Humboldt, Kan.
THOMPSON'S "Ringlet" Barred Rocks. Best layers, finely barred. Fifteen eggs \$1, 100 for \$5. Tracy's, Conway Springs, Kan.
PURE BRED BARRED ROCKS exclusively. Eggs \$1.00 per 15, \$4.00 per 100. Safe arrival guaranteed. C. E. Rumary, Olivet, Kan.
EGGS FOR HATCHING from pedigreed Barred Rocks, \$1.50 per 15. Express add. Mating list free. Gus Schoback, Atchison, Kan.
BARRED ROCKS—Weigher-layer. 103 premiums. Eggs \$1.00 15, \$5.00 100. Special matings \$3.00 15, \$5.00 30. W. Opfer, Clay Center, Kan.
BARRED ROCK eggs. Cockerels from choice scored stock; red eyes, yellow beaks and legs. Latham strain. Mrs. H. Schmidt, Humboldt, Kan.
WHITE ROCK eggs from best mating, \$1.50 per 15, \$5.00 per 100. "Fishel strain." Satisfaction guaranteed. Mrs. Wm. Lemkuil, Fairfield, Neb.
PURE BRED Barred Plymouth Rocks exclusively. Pen and range eggs. Baby chicks. Write for mating list and prices. Mrs. C. N. Bailey, Lyndon, Kan.
PLYMOUTH ROCKS that are Barred. State Show winners. Both matings. Eggs \$2.50 per 15 up. Write for mating list. C. V. Ladow, Fredonia, Kan.
BARRED ROCKS bred for winter laying for 28 years. Show quality. Eggs \$1 for 15; \$2.50 for 50; \$4.50 for 100. Circular free. O. E. Skinner, Columbus, Kan.
WHITE P. ROCK cks. and cock birds. Show winners. White Ivory strain. The largest and whitest that grow. \$2.50 to \$5.00. G. W. Perkins, Newton, Kan.
BUFF P. ROCKS. Eggs from prize winners, high scoring birds, won silver cup for best pen in American class. Write for special price. J. S. Humphrey, Pratt, Kan.
BARRED PLYMOUTH ROCKS and W. F. B. Span. fowls. Have some choice cks. and pullets for sale at \$1.50 up. Satisfaction guaranteed. Gus H. Bruns, Lawrence, Kan.
SHELLEY BROS.' BARRED ROCKS won 32 premiums, 35 firsts, specials and sweepstakes, at Kansas' largest shows. Eggs, 15 \$3.00, 30 \$5.00. Circular free. Elmdale, Kan.
BUFF ROCKS exclusively for eleven years. Eggs from high scoring pens, \$3 per fifteen, \$5 per thirty. Farm range. \$3.75 per hundred, \$2 per fifty. Mrs. Homer Davis, Walton, Kan.
FOR SALE. Buff Rock eggs. Write for prices. Pens 2 and 3, selected females, headed by fine male birds direct from Shoemaker's stock, Freeport, Ill. W. A. Tawney, Ogallah, Kan.
PARTRIDGE PLYMOUTH ROCK stock and eggs for sale. Prize winner of Chicago, St. Louis, Mo., Detroit, Boston and many other places. All farm raised. Paul Lafromboise, Mt. Pleasant, Mich.
F. W. HALL'S Barred Rocks have won 60 premiums in 1912 and 1913. Utility cks. \$1.50 to \$3.00. Special cks. and pullets matings, \$5 to \$15.00. Eggs \$2.50 and \$1.50 per 15. Ask for mating list. Lone Wolf, Okla.
BUFF ROCK eggs. Three pens selected hens and pullets. Fine cks., one direct from Pokey. Pen eggs as they come \$2.00 per 15. Range flock \$1.00 per 15, \$5.00 per 100. Herbert H. Smith, Smith Center, Kan.
WHITE ROCKS. Pure white, big boned, farm raised cockerels \$1.50 to \$5.00. Pullets at \$1.50 to \$2.00. Eggs at \$1.00 for 15, \$5.00 a hundred. Baby chicks 15 to 20 cents each. Good laying strain; prize winners. B. E. Miller, Newton, Kan.
THOMPSON AND O'GARA, Barred Rocks. Fall and winter 1912-13 winnings—American Royal, ckl., pul., pen, first; Mo. State, ckl. 1, pul. 4; Kan. State, ckl. 2-3, pul., pen, first; Topeka, ckl. 1-2-3, pul. 1-2, hen, cock, pen. 1; Hutchinson, ckl., pul., pen, 1, sweepstake ckl. American class. Eggs \$10 per hundred. Ask for circular. Topeka, Kan.

Reliable Poultry Breeders

WYANDOTTES.
SELECT MATINGS of Royal White Wyandottes. Eggs \$1.50 per 15. J. W. Grog, Okamute, Kan.
THOROUGHbred Silver Laced Wyandotte cockerels 75 cts. J. L. Van Meter, Gypsum, Kan.
PURE BRED Silver Wyandotte cockerels \$1, \$1.50, \$2. Eggs \$1.25 per 15. Edwin Shuff, Plevna, Kan.
SILVER LACED WYANDOTTE eggs from pen, 15 \$1.50 or \$5 per 100. Henry Blase, Sylvan Grove, Kan.
GOLDEN WYANDOTTE eggs from prize winning stock \$2 per fifteen. R. P. Graves, Casaville, Mo., No. 2.
GOOD WHITE WYANDOTTE eggs one dollar per fifteen, \$4 per hundred. Mrs. W. E. Ruse, Sabetha, Kan.
ROSE COMB Silver Laced Wyandotte eggs, 100 \$4.00, setting 75c. Mrs. Emma Downs, Lyndon, Kan.
GOLDEN WYANDOTTES—Winners wherever shown. Eggs \$1.50 and \$2.50 per 15. F. O. Rhindom, Liberal, Kan.
PURE BRED WHITE WYANDOTTE eggs, 50c per setting, \$1.00 per 100. C. R. Boggs, R. R. No. 1, Columbus, Kan.
WHITE WYANDOTTES. Day old chicks and eggs. Write for circular. Mrs. M. E. Johnson, Humboldt, Kan., R. 2.
ROSE COMB BUFF WYANDOTTES, pure bred; none better. \$1.50 per 15 eggs. Mrs. Fred Smith, Ogallah, Kan.
GOLDEN WYANDOTTE pullets \$1.00 each. Eggs per setting \$1.00. Della B. Blison, Box 247, Eureka, Kan.
WYANDOTE eggs, Silver Laced, \$1.00 for 15, \$5.00 for 100. Columbian, \$2.00 for 15. Mrs. Janie Hunt, Lebo, Kan.
WHITE WYANDOTTE cockerels; fine white birds; \$1.00 and up. Eggs in season. Ideal Poultry Yards, Wayne, Kan.
WHITE WYANDOTE eggs, \$5.00 per 100. From pens \$2.00 per 15. Mrs. Geo. Downie, Lyndon, Kan., Route 2.
FARM RAISED Silver Wyandottes. Eggs \$1 15, \$5.00 100. Baby chicks \$10 per hundred. Julia Haynes, Baileyville, Kan.
WHITE WYANDOTTES at \$1.00 per 15; \$5.00 per 100. White, blocky, laying strain. Willis L. Pearce, Manhattan, Kan.
WHITE WYANDOTTES. Stock and eggs for sale; mating list free. Also fox terrier dogs. Ginette & Gnette, Florence, Kan.
WHITE WYANDOTE cockerels \$2 each. Eggs \$1 per 15. Two settings \$1.75. \$5 per hundred. Mrs. Geo. E. Joss, Topeka, Kan.
WHITE WYANDOTE eggs from large, blocky, farm raised prize winners. 100 \$4, 30 \$1.50. Mrs. J. M. Bullock, Winfield, Kan.
WHITE WYANDOTTES. Eggs fifty cents for fifteen, three dollars per hundred. Cockerels \$1.00 each. Alice Sellers, Mahaska, Kan.
FREE RANGE Partridge Wyandottes exclusively. Doolittle strain eggs \$1.00, 15, \$5.00, 100. Mrs. L. M. Ayers, Centralia, Kansas.
WHITE WYANDOTTES, Houdans, Indian Runner ducks. Eggs for hatching from prize winning stock. Mrs. D. T. Smith & Sons, Burns, Kan.
HEATON'S BUFF WYANDOTTES are Standard bred and the price is right. You can be the judge. Write W. K. Heaton, Larned, Kan.
SILVER LACED WYANDOTTES—Eggs, 15 \$1.00, 100 eggs \$5.00. I guarantee 60 per cent hatch or will duplicate order at half price. F. W. Bethke, Lebo, Kan.
SILVER LACED WYANDOTTES for sale. Choice cockerels and eggs from choice matings \$2.00 per 15, utility stock \$1.00 per 15. W. A. Hunter, Manhattan, Kan.
PARTRIDGE WYANDOTTES. Prize winners and high scoring birds. Stock \$1.00 and up. Eggs \$2.00 per 15 and \$5 per 45 eggs. J. C. Banbury, Pratt, Kan.
"PIX" BUFF WYANDOTTES—Prize winners. Breeding stock; baby chicks; eggs for hatching. Prices right. Write for mating list now. Geo. B. Pickering, Olathe, Kan.
FAWN AND WHITE Indian Runners, white eggs. Yard A, exhibition quality, \$2.50 per 15; Yard B, \$1.50 per 15, \$4.00 per 50, \$8.00 per 100. Pure White Runners, eggs \$3.00 per 12. Stover & Myers, Fredonia, Kan.
PARTRIDGE WYANDOTTES. Best yet. Pen No. 1 Premier cock. Eggs \$2.50 setting. Pen No. 2, Imperial cockerel, \$1.50 setting. Pullets \$1.00 each. Mrs. J. O. Boner, Kickapoo, Kansas.
WHITE WYANDOTTES. Fancy stock—Pen No. 1, hens scoring to 94%, cockerel 95. Eggs \$2.50 setting. Farm range—cockerel 94 points, \$1.25 setting, \$5.00 hundred. Mammoth Bronze turkeys \$2.50 setting. I. B. Pizley, Wamego, Kan.
BUFF WYANDOTTES—Booking orders now for eggs and baby chicks. Eggs \$2.50 per 15; baby chicks 25 cents each. Eggs from utility pen \$1.50 per 15. We won first cockerel, second hen and third pen at State Poultry Show. Send for mating list. Wheeler & Wyle, Manhattan, Kan.
WHITE WYANDOTE prize winners. Best for all purposes. At the Arkansas Valley Poultry Show, Hutchinson, Kansas, we won 1st cock, 1st, 2nd, 3rd and 4th hen, 1st, 2nd pullet, 1st pen. Eggs and cockerels for sale. Our breed is right. Our prices are right. Let us hear from you. Alford and Talbott, 823 4th East, Hutchinson, Kas.

Reliable Poultry Breeders

ANCONAS.
BOTTLED ANCONA eggs. Winter layers. \$1.50 per 15. Walter Wright, Bronson, Kan.
BOTTLED ANCONAS exclusively. Eggs, 15 \$2.00, 100 \$8.00. Lucie Cause, Haven, Kan.
PRIZE WINNING Mottled Anconas. Eggs and baby chicks. Circular. W. Hardman, Frankfort, Kan.
ANCONAS. Sheppard strain eggs, 15, \$1.00; 100, \$5.00. Mrs. H. M. Buckele, Cedar Vale, Kansas.
13 YEARS a breeder of Anconas from best imported and domestic strains. Eggs. Adeline Gouler, Matfield Green, Kan.
HAMBURG.
SILVER SPANGLED Hamburgs, fine cockerels, eggs and baby chicks. Mrs. Geo. Church, Burlington, Colo.
SEVERAL VARIETIES.
ROSE COMB Silver Spangled Hamburg cockerels. J. L. Carmean, Neosho Falls, Kan.
ROSE COMB REDS, Silver Laced Wyandottes, \$1 each. Eggs, 17 \$1. Mrs. Ola Elliott, Delphos, Kan.
BREEDER AND JUDGE of all land and water fowls. Terms and catalog free. C. W. Behm, Route 4, Harvard, Neb.
WHITE WYANDOTTES, S. C. White Leghorns. Eggs 15 \$1.00, 100 \$4.00. Satisfaction guaranteed. R. W. Gage, Garnett, Kan.
43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guinea, Incubators, Dogs. Catalogue 4 cents. Missouri Squab Co., Kirkwood, Mo.
SINGLE COMB REDS, Partridge Rocks, Golden Wyandottes. State show winners. Stock and eggs. Prices reasonable. C. E. Florence, Eldorado, Kan.
SILVER LACED WYANDOTTE, Barred Rock and Single Comb White Leghorn eggs, 15 \$1.00, 30 \$1.50, 100 \$4.00. Pure bred. Elizabeth Littleton, Guyton, Okla.
BRED TO LAY, vigorous, farm raised, thoroughbred Barred Rocks and Single Comb Reds. Eggs \$1.00 setting; guaranteed. Reece Van Sant, Belmont Farm, Topeka, Kan.
SINGLE COMB White and Buff Leghorns, White Wyandottes, Buff Rocks. Eggs 15 \$1.00, \$5.00 100. Buff Wyandottes \$2.00 15. V. M. Davis, Winfield, Kan., Route No. 2.
E. F. HODNETTE, Austin, Texas, breeder of Runner ducks and Brown Leghorn chicks, the greatest laying fowls known. Birds that lay are the kind that pay. Eggs \$1.00 per setting.
EGGS from White Rocks, White Wyandottes, White Cochins Bantams, White Holland turkeys, White guineas, White China and Embden geese, White Indian Runner and Pekin ducks. A. T. Garman, Courtland, Kan.
THE LINWOOD POULTRY FARM, Ewing, Mo., offers eggs for hatching from prize winners. Single Comb White Leghorn, Single Comb Rhode Island Reds and Indian Runner ducks. Also breeder of American fox hounds and Engl. bloodhounds. Joseph Keller, prop.
WHEN better poultry is had we will have them. Eggs from Rhode Island Reds, Barred Rocks, Buff Orpingtons, White Wyandottes, Brown Leghorns, White Leghorns and Indian Runner ducks. Write for catalog. Everman & Everman, Gallatin, Mo., R. No. 5.
SUNNY DELL Farms purebred poultry eggs. S. C. R. I. Reds, big bone, red to skin. \$1.00 15, \$5.00 100. S. C. B. Leghorns. Excellent layers, \$1.00 15, \$4.00 150. Bourbon Red Turkeys, extra fine color, big, hardy and gentle, \$3.00 12. Mrs. T. I. Wooddall, Fall River, Kans.
POLAND CHINA pigs (the big, easy keeping kind), \$8.00 each, \$15.00 a pair (not related). Eggs for hatching, Rouen ducks, Barred Rocks, and Brown Leghorns (best egg laying strains). Strictly pure-bred stock. Eggs \$1.50 per 15, \$2.75 per 30. The Hillside Farm, St. Peter, Minn.
EGGS from choice stock, Silver Spangled Hamburgs, S. C. White Leghorns, White Rocks, Partridge Cochins, Partridge Rocks and Houdans. Some fine Partridge Rock stock for sale. Cockerels and pullets. Write. Eggs \$2.00 per fifteen. Lloyd's Poultry Yards, 702 B West, Hutchinson, Kan.
EGGS, 63c a dozen! You can get premium prices in any market if you'll read "Poultryology" and learn how Yesterday Egg Farms produce and market their eggs. 144 pages—70 pictures. Get one now! Edition limited. Year's subscription to Standard and Poultry World free. Yesterday Egg Farms, Dept. 40, Pacific, Mo.
BARRED ROCKS.
 Our birds again demonstrated their high quality at this season's shows. Very best laying strains. Pens mated for the coming season. Send for descriptive circular. Pen eggs \$3 per 15. Utility eggs \$4 per 100. C. C. LINDAMOOD, WALTON, KANSAS.
White Orpington and Indian Runner Ducks
 Eggs \$6 per hundred. Turkey and Geese eggs \$1.75 per setting. We breed all leading varieties of Standard Poultry. Plymouth Rocks are our leaders. Stock of high-st quality at let live prices. Write for descriptive circular. Address W. F. HOLCOMB, Mgr. Nebraska Poultry Co., Clay Center, Neb.
PFILE'S 65 Varieties
 Land and Water Fowls. Farm-raised stock, with eggs in season. Send 2c for my valuable illustrated descriptive Poultry Book for 1913. Write Henry Pfile, Box 604, Freeport, Ill.

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.

The baby will appreciate a sip of water every once in a while, just as much as you do, not too warm nor too cold, but just right.

Keep a well stocked pin cushion, scissors, needles, thread, and a few other things of everyday need in the kitchen, and save many and many an extra step.

These bright spring days we can almost see the dandelions growing and the birds fly by a little oftener every day. Summer's coming!

Utah is doing things as well as Kansas. The Utah legislature has passed a mother's pension bill providing for a minimum pension of \$10 a month to mothers having one child dependent on them for support and \$7 a month for each additional child.

Remember the time when we never thought of wearing anything but long sleeves even about our housework—the time when that big puff on the under side was always dipping into the butter and gravy, and the lower edge was always dirty? May the shadow of the short sleeve never grow longer!

Kerosene Kills Bed Bugs.

[Prize Letter.]

I wonder how many Mail and Breeze readers have tried my method for ridding their homes of that dreadful pest, the bedbug. First I covered my mattresses with tight slips securely stitched so the bugs could not find lodging with-

Woman, with or without the ballot, has been the world's great civilizing force since the dawn of history, but Kansas believes she can do a little more civilizing with the bal ot than without it.

—ARTHUR CAPPER.

in. Then I bought a hard rubber syringe costing 75 cents and used it with kerosene oil. I put the oil around window sills, mold boards and bed slats, and into every crack and crevice where they might be hidden. If this plan is diligently followed one spring there will be no bugs another year. I have rid two old houses of them in this way, houses that were badly infested.

Gove City, Kan.

Mrs. C. J. F.

Tomatoes With a "Wooden Hen."

Last year I grew my tomato plants in an old incubator. We removed the lid and made three boxes 4 inches deep and the right size to fit snugly over the top so no heat would be lost. I filled these boxes with finely pulverized earth, put hot water in the tank, and lit the lamp; and when the earth warmed up the seeds began to grow. I kept the incubator, which is a large wooden affair, in a large south window so old Sol could help. As soon as the plants were large enough I reset them. I had all the plants I wanted to set out besides selling some and giving a great many away.

Jennie V. Fitch.

Yates Center, Kan.

Two Cookie Recipes.

[Prize Recipe.]

I have baked these cookies for the last ten years. They are particularly nice at holiday time:

Pefferus—One pound granulated sugar, 4 eggs well beaten, the grated rind of 1 lemon, mix well. Add ¼ pound citron chopped fine, 1 tablespoon cinnamon, cloves to taste, 1 teaspoon baking powder, nuts chopped fine, about 1 pint of them when ready for use, and flour enough to roll out.

Spring-a-leis—Four eggs well beaten, a

pound of pulverized sugar sifted fine, and the rind of 1 lemon. Stir this until it is thoroughly dissolved. Some cooks stir continually for an hour. Add 1 teaspoon baking powder sifted into enough flour to stiffen. Roll out, cut, and let lie on the molding board over night. Bake the following morning, with annis seed in the bottom of the baking pan.

Mrs. John Ebert.

R. 1, Sandusky, O.

Simple Homemade Candies.

[Prize Letter.]

Cocoanut Creams—Mix in a bowl 1 pint of grated cocoanut (or a 10-cent box of grated cocoanut) with the whites of 2 eggs. Add powdered sugar gradually and mix until a stiff dough is formed. Use powdered sugar for flouring your board, roll out an inch thick, and cut in cubes with a sharp knife. Remove with knife to a waxed paper, and set the candy in a cool place to harden.

Orange Candy—Mix ½ cup orange juice with powdered sugar—I prefer the XXX confectioner's sugar. Add sugar until it is stiff enough to handle easily. Make into balls and flatten them out by pressing with the thumb or a knife. Press half of an English walnut meat into the top of each.

A delicious cake filling is made by mixing the juice of 1 orange with XXX sugar as above, only making it thinner so it can be spread with a knife. A chocolate filling is made by using water instead of orange juice and adding a large teaspoonful of grated sweet chocolate with sugar to make as thick as wished.

Josie Pettit.

R. 1, Carbondale, Kan.

Canned Pumpkin.

(Answer to Query.)

Either pumpkin or squash can be canned this way. Peel the pumpkin, cut into small pieces and stew until tender. Add no seasoning. Mash very fine with a potato masher. Have your cans hot, fill with the hot pumpkin, and seal tight. Put in a dark, cool place. I have used this rule and been successful.

Mrs. Carrie D. Goner.

Big Sandy, Tex.

WORK SHOES THAT WEAR

Mayer Honorbilt Work Shoes are made for hard knocks and rough wear. The stock used is selected for its strength and durability. Seasoned upper leather, heavy oak tanned soles, solid counters, double leather toes and double rows of stitching make Honorbilt Work Shoes extra serviceable.

Mayer

HONORBIT WORK SHOES

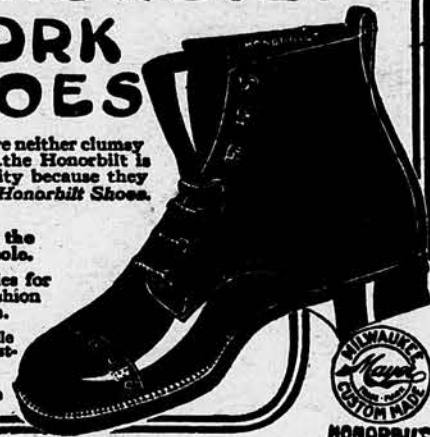
While they are built for hard service, they are neither clumsy nor ill-fitting. For comfort, looks and service the Honorbilt is first among work shoes. They have the quality because they are "built on honor." Ask your dealer for Honorbilt Shoes. If not obtainable, write to us.

WARNING—Be sure and look for the Mayer name and trade mark on the sole.

We make Mayer Honorbilt Shoes in all styles for men, women and children; Drysox, Yerma Cushion Shoes, and Martha Washington Comfort Shoes.

FREE—Send name of dealer who does not handle Mayer Honorbilt Shoes and we will send you free, post-paid, handsome 15x20 picture of George Washington.

F. Mayer Boot & Shoe Co. Milwaukee



HONORBIT



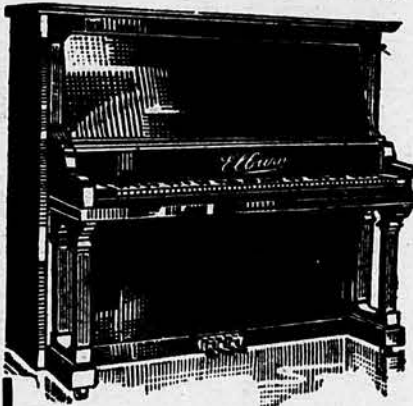
Finlay Engineering College

All Branches Engineering; enroll any time; machinery in operation; day and night session. Finlay Bldg., 1014 and 1016, E. 10th, Mo. Ask for catalog "D". Phone East 295.

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.

Just as Easy to Buy a Good PIANO!



It's so simple and so satisfactory too when you buy it at Jenkins. You will never need apologize for the quality of the piano you buy at Jenkins. You'll never feel that you paid too much. You'll never hear that someone bought the same piano for less. The JENKINS ONE PRICE, NO COMMISSION PLAN IS YOUR PROTECTION.

Quality—Reliability—Economy

These positively go with every piano bought of Jenkins. We make the lowest prices in the United States on standard high class pianos. WE'LL SEND YOU A PIANO ON APPROVAL. If it is not satisfactory in every way, send it back.

Steinway, Vose, Kurtzmann, Elburn Pianos on comfortable payments. Write for catalog and prices. High class guaranteed Player-pianos, \$435 and up. Call or write.

What They Think of Good Pianos

Gentlemen—I feel that I am indebted for a very great many courtesies in connection with my piano contract and I am very appreciative. Trusting to have further pleasant business relations with your house and assuring you that my piano is still in most excellent condition—Prof. D. F. Conrad, head of the piano department of Central College of Lexington, says it is the best Vose piano he ever played on.

(Signed) B. M. LITTLE, Supt. Lexington Public Schools.

J. W. Jenkins Sons Music Co., Kansas City, Mo.

Will You Send Me the Names of Just 10 Friends If I Ship You This Beautiful "Gold Medal" Sewing Machine FREE



Warranted 10 Years!

Get full details of this great offer today!

YES, this offer means just what it says! I am making the most liberal and most remarkable advertising offer ever known. Here is your chance to secure a guaranteed, high-class sewing machine absolutely free of any cost. The conditions of this offer are so very simple and easy to meet that the offer is within the reach of every reader of this paper. YOU may secure one of these beautiful Gold Medal Sewing Machines without it really costing you one cent—without any soliciting or canvassing or public work of any kind.

That sounds unreasonable, you say? Well, maybe it does, but it will cost you but one cent for a postal card in order to get full particulars of my great offer and then prove for yourself that this offer is straightforward and sincere!

I want one woman in each neighborhood to take advantage of this most unusual offer. It will cost you but one cent to find out if the free machine offer is still open for your neighborhood—and my advice to you is to send your name for full details at once! The club has just been organized and very few neighborhoods have been supplied with a Gold Medal machine—so your chance is very good if you write at once. Those who do not secure a free machine can buy one for a very small price on monthly payments amounting to only a few cents a day on my co-operative club plan.

Local Demonstrators Wanted! No Canvassing! No Soliciting!

I am in the publishing business and the object behind the organization of the Capper Sewing Machine Club—and the "reason" for this great offer—is that I may have your assistance in introducing my seven papers and magazines in your neighborhood—and yet, I do not require you to do even the least bit of public work!

All I ask you to do is to send me the names of ten or more of your neighbors or friends. I will write them direct about my papers, and my new Sewing Machine Club. I will not even mention your name. You may ask your neighbors in to examine your machine and demonstrate to them its many good points—if you want to. That will help me very materially in my work. But there is no "agent" work, or public work of any kind for you to do!

Now, there you have the main points in my great offer. You see how easily you may secure one of these handsome machines by helping me secure subscription orders for my papers and members for my club—and without going outside of your home to do any work of any kind.

This is indeed a most wonderful offer—one that you surely cannot afford to miss—so send your name on a postal card or in a letter today. Don't send the list of ten names until you get my instructions. Just say "Send me full information about your Gold Medal Sewing Machine Offer." Sign your name and address and mail the card or letter right now! Be the lucky "first member" in your neighborhood. Address,

Capper Sewing Machine Club, Dept. 48, TOPEKA, KANSAS

HOME DRESSMAKING

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



- 1160—Ladies' Open Drawers, 9 sizes, 20 to 36 inches waist measure.
 6156—Misses' and Small Women's Dress, sizes 14, 16 and 18 yrs.
 6164—Child's Dress, sizes 2, 4, 6 yrs.
 4794—Girl's Russian Blouse Dress, 5 sizes, 6 to 14 yrs.
 4841—Ladies' Shirtwaist, 6 sizes, 32 to 42 bust.
 6145—Boys' Play Suit, 3 sizes, 2, 4, 6 yrs.
 6163—Ladies' Dress, 5 sizes, 34 to 42 bust.
 5579—Ladies' Empire Skirt, made with four gores. Size 24 measures 2 1/4 yds. around lower edge. Five sizes, 22 to 30 waist.
 5738—Ladies' Shirtwaist, with removable chemisette and long or short sleeves, 6 sizes, 32 to 42 bust.
 5640—Child's Dress, closed at center front, sizes 2, 4, 6, 8 yrs.

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.

Treat Hired Girls Like "Folks."

[Prize Letter.]

I am continually enjoying the benefits of the woman's page in which there are so many useful suggestions and helpful hints for all its readers. I have been thinking of the help problem on the farm, especially in the farm house. So many say, "Oh, it seems impossible to get help, and they charge so much! We have only a small family, but a girl always expects as much pay as if she were in a larger family."

Now I believe in just and fair we will not find this such a problem. So many farmer women let work accumulate. Then harvest, or threshing, or housecleaning time comes on and the housewife says, "I must have a girl." If she can engage one she tells her, "The regular housework," and the girl says, "Well, I want \$3 a week." When the girl goes to work there are all the curtains down and the wash water on. In short, she must just do the housecleaning, which her employer forgot to mention. So the next place she goes she asks \$4 or \$4.50 a week.

Now, who is to blame? The employer has not only made it hard for herself but for the other woman. There are women who expect every dishtowel and every rag ironed, then they complain about the fuel the girl burns. Many have the idea a girl should stay and cook all day Sunday for company, forgetting there are only six working days in the week. And some of the farm homes have not the conveniences and the utensils they should have, even though some are very inexpensive. One of the main things is to have water and fuel plenty, but there are places where girls are left to go out and hunt something to burn.

Try to show the girl you want to favor her as much as your means will allow. Remember a housekeeper's reputation will travel as fast and as far among the working girls as the working girl's reputation will among the housekeepers. I have hired a good many girls, and I can truthfully say I have always told them what was to be done and how long I would need them; and they always went away with a kindly feeling toward me and willing to come back if I wanted them. Now some of them are married and I invite them to visit me. Try to be sociable with the girls of your community and see if you will find it so difficult to get help.

Agra, Kan. Mrs. Robert Ragsdale.

Good Home for Some Little Girl.

There is a good home for a little girl in one of the best farmer's families in Montgomery county. W. J. Asmussen, R. 3, Independence, Kan., writes to Farmers Mail and Breeze that he would like a little girl between 8 and 12 years old. He will send her to school and treat her the same as if she was his own daughter. Mr. Asmussen will be glad to get information from anyone knowing of such a girl.

Rule for Good Hard Soap.

Here is a recipe which I have tried a number of times and have always had good success: Seventeen quarts of rain water, 8 pounds grease, 1/2 pound borax, 2 boxes lye. Boil slowly for 3 or 4 hours. I have never tried using salty grease, or cracklings containing rinds. Rinds will cause lumps in the soap, and fast boiling will ruin the soap.

Mrs. Samuel Gaskill.

Eldorado, Kan.



Helps Solve the Hired-Girl Question

Old Dutch Cleanser keeps the hired girl satisfied and makes the work far easier and pleasanter for the housewife when "help" is not obtainable. For it takes half the drudgery out of cleaning cooking utensils, kitchen cutlery, churns, milk pails and pans and half the rubbing out of scrubbing. The hardest things clean easiest with Old Dutch Cleanser.

Many Uses and Full Directions on Large Sifter Can—10c.

Wholesale and Retail Profit Saved! FREIGHT PAID



RUBBER ROOFING 1-Ply, 35 lb. 108 sq. ft., \$1.10 per roll.
 2-Ply, 45 lb. 108 sq. ft., \$1.30 per roll.
 3-Ply, 55 lb. 108 sq. ft., \$1.50 per roll.
Warranted For 25 Years.
 Terms Cash. These Special Prices Only Hold Good for Immediate Shipment.
 FREIGHT PAID to any station east of Rocky Mountains except Tex., Okla., Colo., N.D., S.D., Wyo., Mont., N.M., La., Ga., Ala., Miss. and Fla. on orders of three rolls or more. Special prices to these States on request.
INDUSTRIAL BY HEAT, COLD, SUN OR RAIN.
 FIRST-CLASS IN EVERY RESPECT. NO SECONDS, REMNANTS OR MILL ENDS.
 Write for FREE SAMPLES or order direct from this advertisement. Satisfaction guaranteed or money refunded. We refer you to the Southern Illinois National Bank.
 Century Manufacturing Co., Dept. 197 East St. Louis, Illinois, or Dept. 197 100 E. 11th St., Kansas City, Mo.

Seeing Is Believing

Don't Trust Wholly to Printed Descriptions

Don't trust to a printed description in buying a range, because a very glowing description can be given of a very ordinary range. If you are considering a new range, it will pay you, before investing your money in any range, to go to some dealer who handles them and carefully compare, point for point, with any other—the

Great Majestic Malleable and Charcoal Iron Range

A Perfect Baker

A Fuel-Saver

ONLY range made of malleable iron and charcoal iron. Charcoal iron won't rust like steel—malleable iron can't break. Outwears three ordinary Ranges. The Majestic is put together with rivets—joints and seams remain absolutely air-tight always. Body lined with guaranteed pure asbestos board, covered with an iron grate—you can see it—insuring an even, dependable baking heat, year in, year out, with half the fuel required in ordinary ranges.

The Economy of a New Range

It is a mistaken idea of economy to attempt to get results with an old worn out range or cook stove merely to save the price of a new one. The open seams of your worn out range where bolts are loose and stove putty has crumbled away make you burn twice the fuel necessary. You can save price of a Great Majestic in saving of fuel alone. Its 16-gallon reservoir is all copper and heats through copper pocket, pressed from one piece, setting against fire box. Turn lever and it is instantly moved away from the fire. Greatest improvement ever put in a range—increasing strength and wear of a Great Majestic more than 800% at a point where other ranges are weakest—many other exclusive features. Ask to see it. For sale by dealers in nearly every county in 40 states. Any Majestic dealer can furnish any size or style Majestic Range with or without legs. Write today for booklet, "Range Comparison."

The Range With A Reputation

MAJESTIC MANUFACTURING CO.
 Dept. 11
 St. Louis, Mo.

It Should Be In Your Kitchen

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.

SHEPHERD ponies. Write for prices. Charles Clemmons, Coffeyville, Kan.

DUROC HOGS, Bronze turkeys, Barred P. Rock and Brown Leghorn chickens for sale. J. M. Young, Fall River, Kan.

CHOLERA IMMUNE fall Duroc boars. Best blood lines with quality. Write for particulars. G. M. Shepherd, Lyons, Kan.

PERCHERON stallion six yrs. old for sale or trade for good automobile, late model. Price \$500. Address Box 66, Utopia, Kan.

FOR SALE—Eight Jersey bull calves; some from high producing dams; some ready for use. Chester Thomas, Waterville, Kan.

FOR SALE OR TRADE—Two large Mammoth jacks and one imported Percheron horse. Call or address Doolin Bros., Harris, Kan.

TWO three-year-old Galloway bulls raised at Capital View, Topeka, for sale at 100 dollars per head by Conrad Kruger, Pfeiffer, Kan.

FOR SALE—Two big, heavy boned jacks, coming two and three years. One coming four, cheap. Will trade. Geo. W. Siders, Moran, Kan.

FOR SALE. Percheron stallion, bred good, from 2 year and over, coach mare and filly. Scotch collie pup. Address A. W. Toews, Inman, Kan.

YEARLING Angus bulls for sale, sired by Eden Erica 70728; registered stock and good individual; ready for service. W. L. Maddox, Hazelton, Kan.

FOR SALE—One thoroughbred black Percheron stallion, 10 yrs. old, 1,700 lbs. One grade black Percheron stallion, 8 years old, 1,800 lbs. Geo. Perkins, Kirwin, Kan.

ENTIRE DAIRY HERD—50 head of the best cows—Jerseys, Holsteins and Short-horns. Fresh and springing. Just bought from a retiring dairyman. Jack Hammel, 215 Adams, Topeka, Kan.

FOR SALE—Registered Percheron stallion, dark steel grey, coming three, weight between nineteen and twenty hundred. Sure foot getter, extra fine individual. A. C. Williams, Valley Falls, Kansas.

FOR SALE OR TRADE—One high bred grade Percheron stallion, weight 1,800, nine years old. One registered Standard bred stallion five years old, weight 1,250. One Mammoth black jack four years old, 15 hands. The above is all right in every way. Write for a better description. John Lind, Saffordville, Kan.

MULEFOOTED HOGS.

AMERICA'S champion herd mulefooted hogs. Dunlap, Box 442, Williamsport, Ohio.

POULTRY.

BRED TO LAY S. C. W. Leghorn eggs and baby chicks; will exchange for Kaffa. Okla. City, Route 8, Box 62.

DOGS.

WOLF HOUND pups for sale. Geo. Vernon, Simpson, Kan.

SCOTCH COLLIES. Western Home Kennels, St. John, Kans.

WOLF and coop hounds for sale. Jesse Ashburn, Garnett, Kan.

SCOTCH collie pups, from registered working stock. Box 66, Inman, Kan.

COLLIE pups dirt cheap. Registered stock. C. Holliday, Woodbine, Kan.

WANTED—White Esquimo-Spitz puppies under eight weeks old. Brockways Kennels, Baldwin, Kans.

AT STUD or for sale. Bismark pedigree English bull Terrier. A fine individual. Box 323, Halstead, Kan.

FOR SALE CHEAP—Collie pups, eligible to registry. From working stock. Belden Bros., Hartland, Kan.

REGISTERED English bloodhounds; young stock, guaranteed to make man-trailers. Best blood in world. Max J. Kennedy, Fredonia, Kan.

SEEDS AND NURSERIES.

SEED CORN. Laptad Stock Farm, Lawrence, Kansas.

WHIPPOORWILL cowpeas \$2.50 per bu. H. C. Ruppel, Inola, Okla.

GOOD ALFALFA seed \$9.00. Ph. 351. Grantville, A. L. Brooke.

RECLEANED timothy \$1.75. Sacks extra. S. J. Molby, Agricola, Kan.

GOOD alfalfa seed \$7 per bushel. Send for sample. John Ehle, Virgil, Kan.

SPANISH PEANUTS for sale 5c per lb. F. O. B. Aline, Okla. John W. Burkes.

HAND threshed red Kafir corn \$1.00 per bushel. James Grennan, Burlington, Kan.

JOHNSON CO. WHITE, selected at husking time; guaranteed pure and satisfactory. Germination test 99%. Won first at Manhattan. In ear sacked or crated \$2 per bushel. H. H. Neumann, Hanover, Kan.

SEEDS AND NURSERIES.

CHOICE FRUIT TREES, ornamentals, berry plants. Waverly Nurseries, Waverly, Kan.

DWARF straight neck milo heads \$2.00 per 100, sacked. Frank Franklin, Vinita, Okla.

SOY BEANS—Ebony variety. Write for samples and prices. B. Freeland, Dalton City, Ill.

50. BUSHELS of recleaned alfalfa seed \$8.00 per bu., sacks free. John Rymas, Dunlap, Kans.

SEED CORN—Iowa Gold Mine and White Cap; \$1.25 per bushel, sacks free. H. A. Hamilton, Yutan, Neb.

SEED SWEET POTATOES. Six best varieties. Also cantaloupe seed. Grown by E. H. Pixley, Wamego, Kan.

SEED OATS. New Kherson. Very early. Productive. Price very reasonable. Sample free. F. M. Riebel & Son, Arbela, Mo.

IF YOU want seed corn that will grow, write for our catalog. \$2.50 per bushel. Everman & Everman, Gallatin, Mo., R. No. 5.

MAMMOTH black hulled White Kafir. Hand threshed. Selected for early maturity 17 years. J. G. Mitchell, Lafontaine, Kan.

McGEE TOMATO—1200 bushels per acre. Please send me your address for full particulars. M. C. McGee, San Marcos, Texas.

ALFALFA seed for sale. 150 bu. all home grown and recleaned, \$7.20 per bu. Write for samples. Weeks Bros., Assaria, Kans.

FREE. "A Salesman That Costs You Nothing," with special prices on high grade nursery stock. Send us your want list. Brown Nurseries, Hutchinson, Kan.

SPANISH PEANUTS. Recleaned for seed. \$5.50 per 100 lbs. Freight paid. Best feed for dairy cattle and hogs. Write for method of culture. M. Fegel, Wellston, Okla.

IF YOU want pure Spanish peanuts for seed, get them from us. We have 12,000 bushels of selected seed, \$1.25 bushel. Comanche. Comanche Grain and Elevator Co., Comanche, Okla.

SEED CORN—Early selected and well cured, fire dried since selected, seed in ear testing 96 per cent, sold on approval. Also clovers, timothy and field seeds. Samples and circulars on request. L. O. DeWall, Gibson City, Ill.

PURE BRED Seed corn. Boone Co. White, Commercial White, McAuley White, Hildreth Yellow Dent, Kansas Sunflower yellow. Write for circular and prices. J. M. McCray, Manhattan, Kans. Member Kansas Crop Improvement Association.

FOR \$1 I will send you 8 apple, pear, peach, plum or cherry 2 yr. 4 to 6 ft. trees or 75 raspberry, blackberry or dewberry or 20 grape, gooseberry, currant or rhubarb, or 100 asparagus or 200 strawberry plants, or 25 Red cedar or other evergreens or 8 Rambler roses. Catalogue free. Nicholson Nursery, Manhattan, Kan.

FOR SALE—1,000 bushels Boone County White Seed corn. 200 bushels Hildreth's Yellow Dent Seed Corn. 50 bushels Black Hull White Kafir corn for seed. All guaranteed 95 per cent to Germinate. All at \$1.00 per bushel shelled on board Cars, Humboldt, Kans. Cash with orders. Josiah Wood, Dealer in Hay, Grain and Seed corn a specialty.

LANDS.

FOR SALE OR TRADE—Locust grove at Kremlin; 15 lots Tulsa, Okla. A. T. Jones, Sentinel, Okla.

\$10 AN ACRE for good Kansas land; terms easier than renting. C. Post, Mound City, Kan.

FAMOUS Boise valley ranches for sale by owner. \$75 and up. Krulish Bros., Meridian, Ida.

IMPROVED ranches and farm lands, large cattle ranches a specialty. Prices right. Ask C. K. Gwinn, McAlester, Okla.

240 ACRE grain and stock farm N. east Kan., good buildings, close to good town. Address Z, care Mail and Breeze.

FOR SALE—640 acres. Improved. Two miles of Andale, Kans. All or part. \$100 per acre. M. Lill, Mt. Hope, Kans.

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

960 ACRES Artesian Valley, Meade County, some improvements. 125 acres in cultivation, for sale or rent. P. J. Lee, Meade, Kans.

IF YOU want to know about Ashley Co., Ark., send 10c in stamps for Hamburg Budget for 3 months. Ad. Budget, Hamburg, Ark.

BARGAIN—120. acres, Dallas Co., Mo., improvements, water, orchard, pasture, timber, near school, church and postoffice. A. M. Meyers, Merriam, Kan.

TEXAS PANHANDLE—640 acres; level; exceedingly fine; Hansford county; chocolate soil; very fertile; 200 acres ready for cultivation; 30 acres growing wheat; 3-room house, well, windmill, barn; worth \$15 per acre; owner hard up; will take \$8.50 per acre; one-third cash. Damon & McAfee, Corsicana, Tex.

LANDS.

CHOICE WHEAT and alfalfa land. Rich, level, plenty rainfall, western valley settled by people from Central Western states. 320 acres, at \$2.00 an acre. A. M. Haswell, Springfield, Missouri.

DAIRY FARMS in central Wisconsin. All sizes and prices, we bring you to the owner so you can make your own bargain. Send for our free list. Homeseekers Information Bureau, Marshfield, Wis.

FOR SALE—275 acres wheat land 4 1/2 miles west of Holingson, 1 mile south of Boyd. 175 acres in cultivation, 10 acres alfalfa, well improved, all fenced. Price \$15,000. W. O. Smith, owner; Oimiltz, Kan.

BARGAIN—140 acres, 110 nearly level cultivated, 6 miles out. P. O., school and church near. Fair buildings. Wire fences. Quick sale \$17.75. For Information Book and land list write J. L. McKamey, Imboden, Ark.

WRITE for new illustrated catalog of New York state farms located in St. Lawrence county, the leading dairy county of the United States. Russell, Real Estate, Ogdensburg, N. Y.

CANADA LAND. Write for our 32 page booklet containing 63 photographic views, and statistical and detailed information about our lands in east central Saskatchewan. It's free. The Welch Land Co., Winnipeg, Canada.

FOR SALE OR EXCHANGE, staple stock general merchandise, elegant condition, invoicing about \$5,800. Very few fixtures. Stock can be removed. Must have \$950 cash to pay indebtedness. O. O. Wheeler, Cameron, Mo.

TEXAS SCHOOL LAND is now on market. You can buy good land at \$2 per acre; pay 5 cents per acre cash and no more for 40 years but 3 per cent interest on the balance. Send 5 cents postage for further information. Investor Pub. Co., Dept. 71, San Antonio, Texas.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 200,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 40c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

GOVERNMENT FARMS FREE. Our 112-page book "Vacant Government Lands" describes every acre in every county in U. S. How secured free. Latest diagrams and tables. All about free government farms. Official 112-page book. Price, 25c postpaid. Webb Publishing Co., (Sta. K), St. Paul, Minn.

FOR SALE—160 acre grain and stock farm 6 1/2 miles north of Robinson, Brown county, Kan. Want to sell to a farmer that will move on the place and farm it. Will accept small payment down and give long time on balance or will take a 40 or 80 acres clear land as first payment. If you are a farmer and want to get located on a good farm investigate this. Jas. F. Kelley, White Cloud, Kan.

FARMS FOR SALE.

PUBLIC SALE, March 18, 1913, at 11 a. m., opera house, Oskaloosa, Jefferson Co., Kansas, 160 acres, splendid farm, two miles south. Terms—\$2,000 earnest money; \$6,000 additional 10 days; balance time. Beautiful, well improved, good soil. Farm buyers, come. Farm will please. John R. Bradshaw, auctioneer, Decatur, Ill.

FARM WANTED.

WILL BUY good farm. Well situated. Owners only. Give description and price. Addr. Coons, Box 754, Chicago.

FOR SALE OR TRADE for land, two barns, stock, auto, registered stallion and Mammoth Kentucky jack. Write for information. E. H. Billing, Burns, Kan.

WANTED TO LIST—Your farm, city property or merchandise in exchange for Grand Valley fruit lands and homes. Hustling agents co-operate. Harry E. Lunt, Palsade, Colorado.

FARMS WANTED. We have direct buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

STOCK SALE.

MR. THOMPSON having sold his ranch, we will close out the following live stock at public auction at the barn 1/4 mile west of Grenola, Kan., on Monday, March 17, 1913. 100 head of horses and mules. 25 head of mules, 3 to 6 yrs. old, 15 to 16 hands high. Most of them broke, good bone and quality. 30 head of brood mares, 1,100 to 1,600 lbs., well broke, 4 to 8 yrs. old and most of them in foal. Some good two-year-old mules and fillies. This is all good native stuff, gentle and without brands and sold under a guarantee. Also two good young jacks, coming 2 and coming 4 yrs., 14 1/2 and 15 1/2 hands high, good boned and black with white points. J. N. Thompson, H. R. Green, Grenola, Elk county, Kansas.

FOR EXCHANGE.

MODERN apartment building in steel district near Pittsburg. Want farm. N. Ruth-erford, owner, Findlay, Ohio.

FOR SALE.

MUST SELL—A job lot of bee supplies. Edgar Likes, Pomona, Kan.

LEAF TOBACCO to chew or smoke, 20 cents pound. True Cutler, Holt, Mo.

CARDS—25 with name in black or gold 20c. Holliday Novelty Co., Villa Grove, Ill.

BRAND NEW Flanders Motorcycle, never uncrated, \$150. Carl Bergstrom, May Day, Kansas.

THREE GREAT PIANOS—Steinway, Steck, Vose. Write for prices. Jenkins Music Co., Kansas City, Mo.

FOR SALE—20 Horse Power Frick traction engine, also 5 gang plow—Oliver—almost new. Address Doctor, Care Mail and Breeze.

EAT APPLES—Fancies \$3.00, choice \$2.50 per barrel. Seed sweets 90c, Ohio 75c per bushel. Paying 12 cents for hens. Cope's Sales System, Topeka, Kan.

INVESTIGATE YORK kerosene tractors. Built the size you want instead of the size the builders want to sell you. S. B. Vaughan, Agent, Newton, Kansas.

HOTEL FOR SALE—Good location, only one in town, cheap. 400 acres good farm, can be all farmed or pastured, good water, fair building. Fred L. Kent, Uniontown, Kan.

FOR SALE, or trade for land, good paying steam laundry; good, well established business; dandy machinery; good profits. Write for particulars. 611 E East, Hutchinson, Kan.

FOR SALE—Good livery barn, situated in nice little town, doing a good business. All livery equipment such as carriages, buggies, harness and horses; 3 good jacks; 3 extra good registered stallions, all young; one of the best breeding locations in the state. Just the time of year almost here when the jacks and stallions alone will make from \$20 to \$60 per day. \$2,500 will handle it all, balance long time; or will take some extra good mules. Harvey Beeler, Emmett, Pottawatomie Co., Kansas.

FOR SALE OR EXCHANGE.

FOR SALE or Exchange. Best irrigated alfalfa farms; Pecos Valley. Write me your wants. Brown, Dexter, N. M.

HELP WANTED.

GOVERNMENT farmers wanted—Examination April 9. Prepare now \$75 monthly. Write Ozment, 38 F, St. Louis, Mo.

MEN AND WOMEN wanted for government parcels post positions. \$90.00 month. Write for vacancy list. Franklin Institute, Dept. M 53, Rochester, N. Y.

WANTED—2,000 railway mail clerks and clerk-carriers for parcel post. Examinations soon. Splendid salaries. Trial examination free. Write Ozment, 38 St. Louis, Mo.

\$4 A DAY SURE. Easy work with horse and buggy right where you live in handling our ironing and fluting machine. One agent says: "Made \$60 in 3 1/2 days." We pay \$75 a month and expenses; or commission. Pease Mfg. Co., Dept. L, Cincinnati, Ohio.

MEN AND WOMEN wanted for government parcels post and other government positions. \$90.00 month. Annual vacations. Short hours. Thousands of appointments coming. "Pull" unnecessary. Farmers eligible. Write immediately for free list of positions open. Franklin Institute, Dept. M 53, Rochester, N. Y.

MALE HELP WANTED.

RAILWAY MAIL CLERKS wanted. Examinations everywhere May 3rd. Sample questions free. Franklin Institute, Dept. M 53, Rochester, N. Y.

WANTED—Reliable men in every County to sell nursery stock. Liberal terms. Outfits free. Experience unnecessary. Write F. H. Stannard & Co., Ottawa, Kans.

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.

U. S. GOVERNMENT needs Railway Mail Clerks immediately to handle Parcels Post. \$90.00 month. Examinations everywhere May 3rd. Common education sufficient. Write for list of positions open. Franklin Institute, Dept. M60, Rochester, N. Y.

500 MEN 20 to 40 years old wanted at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address F, care of Mail and Breeze.

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.

SITUATION WANTED.

YOUNG MAN with agricultural college training, experienced in farming and handling men, wants position as manager of foreman with reliable firm. C. N. F., 614 S. Walnut St., Iola, Kan.

AGENTS WANTED.

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.

LOCAL REPRESENTATIVE WANTED

Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. All or spare time only. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. National Co-Operative Realty Company, L-157, Marden Building, Washington, D. C.

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PATENTS secured. Ideas bring wealth. Prompt service. Personal attention. Harry Patton Co., McGill Bldg., Washington, D. C.

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OLIVER VISIBLE TYPEWRITER for sale cheap. Perfect condition and does splendid writing. Could send on trial. Write to Charley Rickart, Route 5, Rosedale, Kan.

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BEST Home and Market canners. All sizes. Latest methods. Cans and Labels. 1913 prices now ready. Address Royal Canner Company, 67 News Bldg., Chattanooga, Tenn.

MISCELLANEOUS.

WANTED—Ladies desiring beautiful complexion to write Specialty Co., Klowa, Kan.

MISSOURI AUCTION SCHOOL, largest in world. Own largest living mule. 1404 Grand, Kansas City.

HARNESSES—Our harness is correctly made and prices right. Write for catalogue. Ed Klein, Lawrence, Kan.

TUTORING may be paid out of earnings after course is completed. Dougherty's Business College, Topeka, Kan.

BAD DEBTS COLLECTED everywhere on commission. Bank reference given. 24 years in this business. In this city. N. S. Martin & Co., Arkansas City, Kansas.

FREE SAMPLE to those interested. Large silk cuttings. One pound will make a quilt and pillowtops. If in a hurry—pin a dollar bill to your letter for one pound post paid. Dixie Silk Co., Cairo, Ill.

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LOUISIANA pure sugar cane syrup. Put up at the mill in sealed pails. No glucose or any sulphur dioxide in our syrup. 12 one gallon pails for \$3.00. We pay all the freight. Mary & Tuma, Washington, Louisiana.

OREGON ALMANAC FREE—144 pages; official publication of the Oregon State Immigration Commission. Complete and authentic information on every county of Oregon, its farms, climate and opportunities. Special questions answered with painstaking detail. Portland Commercial Club, Room 700, Portland, Ore.

LEARN how to double your egg yield; how to mate and breed for best results; how to produce and market \$100 fowls. Get on the "big money" side of the poultry business. This is not a book-selling scheme. Full information free. Address R. V. HICKS, Dept. L, 801 Jackson-st., Topeka, Kan.

LANDOLOGY, a magazine giving the facts in regard to the land situation. Three months' trial subscription, free. If for a home, or as an investment you are thinking of buying good farm lands, simply write me a letter making it personal and say, "Mail me LandoLOGY and all particulars free." Address Lloyd M. Skinner, Gen'l Mgr., Skidmore Land Co., Box 313, Marinette, Wis.

STOP THOSE HEAVES! Have you a horse that you cannot sell on account of heaves? If so let me send you Baird's Heave Remedy. Now on the market, ten years with wonderful success. Does not shut them down, but cures them. Your money back if it don't. Write me for particulars. Baird Mfg. Co., Dept. 11, Purcell, Okla.

52 GALLON barrel high quality kerosene \$4.65; Special Kerosene (white as gasoline) \$5.00; Stove Oil, Crude Dip and Crude Oil \$4.15; Best Gasoline \$8.65. Freight on this oil anywhere in Kansas is 1/4 to 1/2¢ per gallon. \$1.50 rebate allowed for barrels returned to us freight prepaid. Automobile Engine Oil 21 1/2¢ per gallon in barrels. Gas Engine 17¢. Castor Machine 17¢. Hard 19¢. Axle-Grease \$1.00 per 25 lbs. Grease Oil, Cup Grease, and Auto. Trans. Grease \$1.75. Full line independent oils and greases. Prompt shipments. Oil satisfaction guaranteed. Write us your requirements. The Neosho Valley Oil Co., L. J. Hurt, Mgr., Chanute, Kan.

Literature will be sent to anyone interested in the wonderful Sacramento Valley—the richest valley in the world. Unlimited opportunities. Thousands of acres available at right prices. The place for the man wanting a home in the finest climate on earth. Write to a public organization that gives reliable information. Sacramento Valley Development Assn., Sacramento, California.

MARKET PROBABILITIES

March Set New High Records in Cattle Markets and All Signs Point to Further Advances in April—Hogs and Sheep Continue Upward and Nothing in Sight to Cause a Setback—Corn Higher

[Written Specially for the Farmers Mail and Breeze.]

Liberal receipts of cattle in Chicago weakened the market 10 cents on Monday. River markets were quoted weak to 10 cents lower.

The general sentiment in the livestock market continues bullish. Prices are on the up-grade, and there seems to be no barrier in the way of a further advance. The \$9 quotation was returned in the East on hogs and lambs, and prime steers are well above \$9. It is the first time that March has turned all three varieties of meat producing animals to the \$9 mark at the same time; is a record breaking March quotation on cattle, and the second high March market for hogs and sheep on record. In the majority of Aprils in the past 32 years prices have exceeded March quotations, and with all three lines of livestock unmistakably short April is looked up to as a month of new high records. One countryman summed up the situation as follows: "There is just enough cattle in the country to make trading keen, and the repeated sales of the same bunches are giving volume to the trade. Cattle go to market, are returned to the country, and traded on several times and then reach market again. It would be hard even to estimate the real shortage."

What of March, April and May?

Only a little more than two months of short supplies have been recorded this year, and prices for all classes of cattle, are the highest ever reached in March. Last week added 15 to 25 cents to the general uplift, and at the higher prices killers were short on their orders, and country buyers did not satisfy their demand for stock, feeding and breeding cattle. There are practically three months before any grassers will be available, and then only the early run from the Gulf region will swell supplies. They will have been fattened on early weeds and will lend nothing savory to general beef supplies. Sheep and hogs promise further shortage, with late May bringing grass sheep to the fore, and the spring pig crop depending on weather conditions in the next six weeks.

How Fat Cattle are Moving.

Last week the bulk of the fat native steers at western markets sold at \$3.25 to \$3. Chicago showing a large per cent above the \$9 level and a top of \$9.30. River market tops centered at \$9 and a liberal supply above \$9.75. The tendency in the market was to narrow the spread in prices, by a general uplift in the prices of cheaper grades. In fact packers were forced to that position by the urgent demand from countrymen for feeders. A few common killing steers sold below \$8, and as low as \$7, but those under \$7.75, carried hardly any flesh and those above \$9.00 and up were choice to prime. It is the opinion of the trade that finished beefs are in a comparatively low price position, and that the next few weeks will bring them to a higher position. In St. Louis and Kansas City where the bulk of the cattle from below the quarantine line are being marketed prices range from \$5.50 to \$8.25, few below \$7 and the bulk of the Texas and Oklahoma crop going at \$7.25 to \$7.50. Sugar beet pulp steers from Colorado brought \$8.25 to \$8.50, and hay fed \$7.75 to \$8.25. Texas can be depended on for fairly liberal supplies in the next six weeks, though the movement from other sections is uncertain.

Butcher Cattle Close to Steers.

In several instances last week fed cows sold up to \$8 and heifers \$8.50, and the bulk of the butcher grades made \$6.50 to \$7.50. Several large consignments of fed western cows brought \$7.25 to \$7.75. Steer prices are being realized for the cheaper beef producing animals. Choice heifers are very scarce and the bull market continues firm at record levels. Veal calves are selling at \$8 to \$11, and only a few heavy calves sell on a dollar lower basis.

Thin Cattle Continue Scarce.

Countrymen are up against the proposition of short supplies when it comes to providing cattle to care for this summer's forage crop and prices are the highest ever known. Most of the feeding steers are selling at \$8 or better, and to get them countrymen have to outbid killers. The lighter weight cattle are bringing \$7.50 to \$8.25, with a few common stockers as low as \$6.50. At such prices there is a ready demand.

Sharp Advance in Hogs.

Chicago came up with 70,000 hogs on Monday and a sharp break in prices on Monday this week. Prices were down 10 to 20 cents, but the market closed stronger than it opened, packers' eagerness to buy compelling sharp competition on the close. The top price in Chicago and St. Louis was \$8.85, in Kansas City \$8.60, in St. Joseph \$8.60, and Omaha \$8.55. With nearly 800,000 fewer hogs received at the five western markets this year, compared with the same period

in 1912, and seeding and plowing time at hand, packers see that the hog supply is in for an acute shortage. There is no shifting in demand from one class to the other as both beef and mutton will be short. There is only a limited stock of provisions on hand, and instead of the winter packing season yielding a normal increase, there was a decrease. May pork in Chicago last week sold above \$21 a barrel, and lard and ribs came in for a similar advance. The bulls are in control of the provision market and packers have lost control of the hog market. Monday the hog market was higher, Tuesday a setback occurred and since then there was a steady advance. In Chicago and St. Louis Friday hogs sold up to \$9 the first time since September and only once previously, 1910, was \$9 paid in March. Heavy hogs are out of favor but light weights lead them by only a slight price margin.

Rebound in Sheep Prices.

Sheep prices last week were quoted up 25 to 35 cents. The market was supported by both killers and shippers, and though a heavy supply arrived in Buffalo Monday the market cared for liberal western shipments later. The 9 cent lamb returned to eastern quotations, and the top at river markets was only a dime to 15 cents under that mark. The mild winter will necessitate little culling in flocks this spring, and with the quality of this year's wool on back said to be the best in the history of the west, flock masters will shear rather than market the half fat kinds. Some lambing has been reported from the Southwest, and flocks are moving out of the Great American Desert in Utah, Montana flocks had an excellent winter and good range. Some Arizona wool is said to be under contract at 19 cents.

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:

	Cattle	Hogs	Sheep
Kansas City	28,500	34,675	45,126
Chicago	43,200	182,000	88,000
Omaha	18,000	58,500	45,300
St. Louis	13,150	47,000	12,100
St. Joseph	9,200	27,800	11,000
Total	112,050	297,975	196,526
Preceding week	126,700	346,200	199,700
Year ago	117,775	447,800	230,200

The following table shows receipts on cattle, hogs and sheep at the five western markets, Monday, March 10, together with totals a week ago, and a year ago:

	Cattle	Hogs	Sheep
Kansas City	11,000	6,000	9,000
Chicago	27,000	70,000	26,000
Omaha	6,000	7,700	21,000
St. Louis	3,200	13,500	1,500
St. Joseph	2,000	5,400	3,500
Totals	49,200	103,600	61,000
A week ago	35,300	55,900	46,200
A year ago	43,050	90,900	53,500

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:

	Cattle	Hogs	Sheep
Per 100 lbs. 1913 1912	1913 1912	1913 1912	1913 1912
Chicago ..	\$9.20 \$8.80	\$8.80 \$6.72 1/2	\$8.20 \$6.30
Kan. City ..	9.00 8.15	8.60 6.70	7.75 6.00

Increase Movement of Equines.

The farm districts of the West and central west are buying farm horses and mules. The spring season is at hand and a good many are short on horse power. A good many want mares, to establish future production along with the work. The East is taking about a normal supply of heavy drafters, and all told the volume of trade is large. Receipts have been large both here and in St. Louis. Southern demand except for mules has been comparatively small. Early reports from the cotton belt indicate a large acreage, and a large number of mules is required for the increased work.

Kansas City Hay Quotations.

Prairie, choice	\$10.50 @ 11.00
Prairie, No. 1	9.50 @ 10.00
Prairie, No. 2	7.50 @ 9.00
Prairie, No. 3	5.50 @ 7.00
Timothy, choice	12.50 @ 13.00
Timothy, No. 1	11.00 @ 12.00
Timothy, No. 2	8.00 @ 10.50
Timothy, No. 3	5.00 @ 7.50
Clover mixed, choice	12.00 @ 12.50
Clover mixed, No. 1	10.50 @ 11.50
Clover mixed, No. 2	8.50 @ 10.00
Clover, choice	11.00 @ 12.00
Clover, No. 1	9.50 @ 10.50
Clover, No. 2	7.00 @ 9.00
Alfalfa, fancy	17.00 @ 18.00
Alfalfa, choice	15.50 @ 16.50
Alfalfa, No. 1	14.00 @ 15.00
Alfalfa, No. 2	11.00 @ 13.50
Alfalfa, No. 3	7.00 @ 10.50
Straw	4.50 @ 5.00
Packing hay	4.50 @ 5.00

Corn Higher: Other Grain Lower.

A small movement of corn last week from the country to markets did not en-

able holders of May contracts to increase their holdings in elevators as had been expected, and prices were advanced 1 to 2 cents a bushel. Oats were in liberal supply and prices were weak. Trade in wheat was dull with prices some lower. Practically the entire winter wheat belt has received enough moisture to insure a good spring growth. Hay continues to sell slowly with little net change in prices. The principal offerings are alfalfa and prairie.

The following prices prevail for grain in Kansas City and St. Louis.

	Wheat—	Kansas City	St. Louis
Hard No. 2	\$8 3/4 @	\$7 1/4 @	\$8 3/4 @
Soft No. 2 .....	.92 @ 1.03	1.11 @	1.11 1/2 @
Corn			
White No. 2 .....	.49 @	.49 1/2 @	.49 1/2 @
Mixed corn .....	.48 1/2 @	.50 @	.49 @
Oats			
No. 2 white .....	.34 @	.34 1/2 @	.35 @
No. 2 mixed .....	.33 @	.33 1/2 @	.32 @

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:

	Wheat	Corn	Oats
1913 1912	1913 1912	1913 1912	1913 1912
Chicago	\$1.06 \$1.10	51 1/2 68 1/2	36 55 1/2
Kan. City ..	1.06 1.10	50 70 1/2	34 1/2 54 1/2

Seeds.

Kafir corn, No. 2 white, 81c a cwt.; No. 3 white 80c @ 80 1/2 a cwt.; alfalfa, \$9 @ 12 a cwt.; flaxseed, \$1.06 a bushel; timothy, \$1.50 @ 1.75 a bushel; cane seed, 65c @ 1.00; millet seed, 35c @ 1.15.

Nominal Broom Corn Market.

Dealers in broom corn say that so little has sold or been delivered for market in the past week, that the market for broomcorn is nominal. They quote prices generally unchanged. Heavy country roads have kept buyers from making bids, and at the same time made it impossible to deliver the corn. Choice green self-working corn is quoted at \$55 to \$95 a ton; fair to choice \$45 to \$80; common to fair \$25 to \$75 a ton.

Livestock in Kansas City.

The top price for native steers last week was \$9 and bulk of sales \$8.25 to \$8.85; quarantine steers sold up to \$8.15, and bulk of sales \$7.25 to \$7.90. Cows are quoted at \$4.50 to \$8; heifers \$5 to \$8.50; veal calves \$6 to \$11; bulls \$4.50 to \$6.75; stock steers \$6.55 to \$8.25; feeders \$7 to \$8.45; stock cows \$5 to \$6.25; stock heifers \$5.50 to \$6.75.

Hog prices Saturday reached the highest levels of the year, top going to \$8.75, but other sales were weak. The general market for the week was 35 cents higher and the second highest on record for March. In the last two days of the week the bulk of the hogs sold at \$8.50 to \$8.65.

The following table shows the range in prices of hogs last week and in the preceding week:

	Last week	Preceding wk.
Monday	\$8.25 @ 8.50	\$8.20 @ 8.40
Tuesday	8.15 @ 8.50	8.25 @ 8.50
Wednesday	8.30 @ 8.50	8.15 @ 8.35
Thursday	8.35 @ 8.55	8.15 @ 8.32
Friday	8.40 @ 8.70	8.10 @ 8.40
Saturday	8.50 @ 8.75	8.20 @ 8.30

Lamb prices this week were advanced 40 to 50 cents and sheep about 25 cents. Demand was active, and while receipts were fairly liberal no stale stock accumulated on the market. Lambs are quoted at \$8 to \$8.85, yearlings \$7 to \$7.75, wethers \$5.75 to \$6.65 and ewes \$5.50 to \$6.25.

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

	1913	1912	Inc.	Dec.
Cattle	302,147	290,121	12,026	.....
Calves	17,949	16,429	1,520	.....
Hogs	499,111	654,055	154,944	.....
Sheep	357,353	405,387	48,034	.....
H. & M.	23,877	22,307	1,570	.....
Cars	20,951	22,757	1,806	.....

Livestock in St. Joseph.

A strong feeling was apparent in the cattle market last week. Trade was active and prices for the most part were 10 to 20 cents higher, native beef steers are quoted at \$7 to \$8, cows and heifers \$4 to \$8.15, calves \$6 to \$10.50, stockers and feeders \$6.50 to \$8.

Last week hog prices were lifted 30 to 35 cents under an active demand. The top price in the past two days was \$8.70, and bulk of sales \$8.60 to \$8.65. Moderate receipts are expected to continue.

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

	1913	1912	Inc.	Dec.
Cattle	86,135	94,652	8,517	.....
Hogs	347,591	455,297	107,706	.....
Sheep	156,042	137,653	18,389	.....
H. & M.	7,394	11,330	3,936	.....
Cars	8,998	10,502	1,504	.....

Butter, Eggs and Poultry.

Elgin, March 10.—Butter this week is firm at 35 cents.

Kansas City, March 10.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 17c a doz.; current receipts, 16 1/2 c; seconds, 12 @ 13c.

Butter—Creamery, extras, 34 @ 35c a lb.; firsts, 31 @ 32 1/2 c; seconds, 30 @ 31c; packing stock, 21 @ 21 1/2 c.

Live Poultry—Broilers, 22 @ 24c a lb.; spring chickens, 15 @ 16c; hens, 13 1/2 @ 14c; roosters, 8 @ 8 1/2 c; young turkeys and turkey hens, 17 @ 18c; old toms, 14 @ 15c; cull turkeys, 7 @ 8c.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
1913 1912	1913 1912	1913 1912	1913 1912
Chicago	36 30	17 1/2 20	15 14 1/2
Kan. City ..	35 30	17 19	14 12 1/2

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.

SOUTHERN Kansas lands on the new R. R., \$10 to \$25 per a. Write or see **JOHN A. FIRMIN**, Hugoton, Kan.

SOME good bargains in well improved Jackson Co., Kansas, farms. Price \$75.00 and up. **Wm. Harrison**, Whiting, Kan.

BARGAIN: 57 a. extra improved, 3 mi. out, \$3,500. Send for land list. **F. C. LIBBY**, Blue Mound, Kan. **J. L. Wilson**, Salesman.

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

WANT to purchase section Western Kansas land at \$5.00 per acre, on terms. **J. R. Collins**, 1029 Omaha Nat'l Bank Bldg., Omaha, Nebraska.

AT Kansas City's door: 160 a., 6 mi. Olathe, Kan. Fine land; 40 a. wheat; good improvements; \$80 per acre. A bargain. **T. H. MILLER**, Olathe, Kansas.

WRITE for big printed list of corn and alf. farms in rain belt of Kansas. Biggest list choice farms in state. **Kenyon & Holtsman**, Concordia, Kan. (Pioneer Kan. farmers.)

CENTRAL Southern Kan. alfalfa lands, 320 a. valley land, 200 suitable for alfalfa, \$8,000. 160 a. in valley, 120 in cult., \$4,800. For free list write **P. H. THORNTON**, Coldwater, Kan.

SOUTHWEST KANSAS FARM LANDS. Honest prices. Where wheat leads the world. Corn crop values beat wheat and alfalfa growing leads the continent. **LISTON DENNIS**, Stafford, Kan.

Stevens County

Write for prices on R. R. lands. Easy terms. **Santa Fe Land Co.**, Hugoton, Kan.

Immediate Possession

6 farms, every one a bargain. Write, state size you want. **SCHMEIL & SHARP**, Osborne, Kan.

ALFALFA FARMS Write for list of farms and ranches near the best college town in the state. **T. B. GODSEY**, Emporia, Kan.

A REAL BARGAIN

To make division of property, will sell 400 acres of bottom land in heart of famous Artesian Valley of Meade County. Improved. Fine pump well and flowing well. 200 acres cuts two crops fine prairie hay. Adapted to alfalfa. Write. **PAUL R. WALTERS**, Fowler, Kan.

Sedgwick County Farm Bargains

200 a. farm, all good land, fair improvements, good location, only \$45.00 per acre. Just the price of grass land. 145 a. farm, good 7 room house, 2 barns, mostly alfalfa land, fine location, \$62.50 per a. Terms to suit. 240 a. farm, all alfalfa land, good improvements, only 10 miles to Wichita, the biggest snap in Kansas at \$60 per a. \$4,600 handles this. Come quick for this. Call on or write **H. E. OSBURN**, 227 E. Douglas Ave., Wichita, Kansas.

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 mi. town. Phone. Level roads. Will sell part or all. Terms on part. Price \$80 per acre. **T. F. JOHNSTON**, Garfield, Kan.

FARMS FOR SALE

One 50 acre farm, 3 miles from town; price \$1800, \$700 cash will handle this farm. One 20 acre farm 2 1/2 miles from town; price \$1200, 5 years to pay at 7 per cent interest. One 155 acre farm 5 miles from town. Price \$52.50 per acre. 120 acre farm 4 miles from town; price \$40 per acre. One fine 160 acre farm 3 mi. from town, price \$55 per acre. 117 acre farm 2 miles from railroad, price \$45.00 per acre. **J. C. LAMING**, Tonganoxie, Kans.

30 Minutes

From Wichita Union Stock Yards, just the place for a farmer and stockman. 120 acres in cultivation. 120 acres in grass, conveniently fenced into fields and lots. Some hog tight. A good 5 room house, barn, sheds, etc. Shallow water, all smooth and tillable; will grow good alfalfa; a deep rich loam soil. Just think of it! 240 acres all told for \$65 per acre and easy terms. This must be sold. **THE LEACH REALTY CO.**, Wichita Kan.

KAW RIVER BOTTOM LAND

303 acres 2 miles east of Manhattan, in high state of cultivation. The land will produce 70 bushels of corn to the acre. Alfalfa 1 1/2 to 2 tons at a cutting. Soil is rich sandy clay loam, 25 feet deep. Fair set of improvements. Only \$125 per acre. Also 550 acres, 5 miles east of Manhattan, exactly same kind of land; improvements not so good. Will sell at \$110 per acre. Will divide this farm. Owner a non-resident and anxious to sell. Liberal terms of payment. **WILLIAM O. TRAINER**, Exclusive Agent, 844 Commercial Bank Bldg., Chicago, Ill. Commission to Brokers.

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

FOR RENT—160 a. farm about 7 miles east of Topeka. Inquire at once, 115 West 6th St., Topeka, Kan.

480 A. stock farm cheap; \$60 per a. 4 mi. from town; have other bargains. Send for list. **Walter Hanson**, Sabetha, Kan.

100 IMP. and unimp. farms for sale in Edwards, Ford and Hodgeman Cos., \$1,100 1/4 up. For further information and list call on or address **THOS. DARCEY**, Offerle, Kas.

CASH BARGAIN. 240 a. well improved, bottom land close to town. No waste. Part time. Price \$84. E. changes. Write **JESSE SIMPSON**, Scandia, Kan.

OWNER MUST SACRIFICE—Fine, whole section; 100 a. in fall wheat. Ideal community. 4 mi. from good town. Price \$7,200. Better than railroad terms. Investigate. **WINONA LAND CO.**, Winona, Kansas.

DO YOU WANT this 80 acre farm? It is well improved, 1/2 mile of town. Fine schools. A small payment will handle it. Ask about it—you will be surprised. **F. D. GREENE**, Longton, Kan.

A SNAP. 240 acres valley and alfalfa land, running stream, small house and barn, 2-3 in cultivation, close to town, 70 a. in wheat, price \$32.50 per a. Half cash, easy terms. **TAYLOR & BRATCHER**, Coldwater, Kan.

FARMS bought at right prices are a good investment. Send for our booklet containing choice bargains in the corn and alfalfa belt of southeast Kansas. Farms, prices and terms are right. Write for it today. **MILLER & SON**, Petrolia, 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, 480, 620, all above farms are good prices from \$80 up to \$56 per a. **WM. GODEY**, Arkansas City, Kan.

480 A. 1 mi. town, \$3,000 worth of imp., 250 a. wheat, 1/2 goes to purchaser, 8 room house, 2 good barns, cement cave with wash house above. 10 a. alfalfa fenced hog tight. Will sell for \$7.50 per a., below market price. Land list and particulars free. **ROY C. BEARD LAND CO.**, Minneola, Kan.

158 ACRES 5 miles of Ottawa, all tillable smooth land, 35 acres bluegrass, 40 acres timothy and clover, orchard, 9 room house, barn 40x60; double corn crib; holds 3,000 bu. corn, other outbuildings; buildings in good condition. Owner must sell; will loan \$8,500 6%. Price \$55 per acre. **MANSFIELD**, Ottawa, Kansas.

200 A. improved, Wilson Co., 2 miles town, price \$10,000. Inc. \$2,000, 5 years. 320 a. improved, Trego Co., 3 1/2 miles town, about half bottom. Price \$10,400. Inc. \$1,500 5 years. Six room house and nine lots in Wakeeney. Price \$1,600 clear. Want general stock, hardware or furniture, for any one or all. Address owner, **H. H. BACON**, Wakeeney, Kansas.

280 A. 2 1/2 mi. from Garfield, Kan. In great Arkansas river valley. About 1/2 bottom land, remainder upland; about 200 a. broke, bal. pasture. Good new 7 room house; other outbuildings in good repair. This is an ideal location for a stock or dairy farm being close to main line of A. T. & S. F. R. R. Priced for quick sale at \$30 an a. Address owner, **C. R. MURRAY**, Garfield, Kan.

4 STOCK FARMS for sale at \$36, \$41.50, \$60 and \$62.50 per a. **PRAIRIE BROS.**, Bremen, Kansas.

IF YOU WANT TO BUY LAND in western Kan. for \$6 to \$10 an a., write **Geo. M. Lynch**, Co. Treas., Tribune, 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.

50 FARM BARGAINS. Montgomery Co., Kansas; all sized tracts. Easy terms. \$30 to \$60 per acre. **FOSTER BROTHERS**, Independence, Kans.

WHEAT, ALFALFA AND GRAZING LANDS \$1,600 to \$4,000 a quarter. New railroad now building. Write for full information. **H. J. HANSON**, Hugoton, Kan.

IN JEFFERSON COUNTY, KANSAS. Best \$3,480 stock of drugs in best location, in best town in county. At a sacrifice. Address **P. O. Box 203**, Valley Falls, 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, no exchanges. City property and stocks of mdse. to exchange. List free. **JABEZ F. BRADSHAW**, Lenexa, Kan.

\$1.75 Per Month

for 10 months buys guaranteed, level, well located lot in Plains Kansas. "Special Bargains"—Only a few to be sold at this low price. **ACT QUICKLY**. **JOHN W. BAUGHMAN**, Desk G, Plains, Kan.

Along the New Railroad

5 quarters in Haskell, Grant and Stevens counties, near new railroad towns on D. C. & C. V., for \$7 per acre, on easy terms. Can sell single quarters. **HAVE GOOD PROPOSITION FOR AGENTS**. **DON VAN WORMER**, Richfield, Kan.

160 A. bottom farm, improved, \$9,500. 440 acres first and second bottom, improved. 485 acres, highly improved, close to town. 160 acres, improved, \$8,500. All fine farms. Other fine farms, low price. No better for alfalfa, grain, fruit and vegetables. **LOCK BOX 285**, Wellington, Kansas.

KANSAS RANCHES FOR SALE. We have Kansas ranches for sale from 1,000 to 25,000 acres. Prices \$12.50 to \$30.00 per acre. Write for free list. **V. E. NIQUETTE**, Salina, Kan.

A REAL BARGAIN. 50 acre farm 6 miles Parsons, 3 1/2 miles good small town, new house, new barn, plenty fruit and water, \$3,000. **DONAHUE REALTY CO.**, Mound Valley, Kan.

MORTON COUNTY. For complete information and list of bargains in deeded land and relinquishments near new railroad town, write **LUTHER & CO.**, Rolla, Kan.

FOR SALE. 320 acres level wheat land \$9.00 per acre. Carry 's on land. Also many other good bargains in corn, wheat and alfalfa lands. **L. E. PENDLETON**, Dodge City, 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 edge. **WILLIAMS & PICKENS**, Meade, Kan.

LINN AND BOURBON CO. FARMS. Biggest bargains in Kan. Corn, wheat, timothy, clover, bluegrass land \$15-\$30. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illus. folder free. **EBBY-CADY REALTY CO.**, Pleasanton and Ft. Scott, Kan.

FARMS AND RANCHES. 160 acres, 110 acres in alfalfa; about 50 acres in grass; good 6 or 7 room house; good barn and good fences. Plenty of water on farm; close to school and church. 4 mi. of a good town of 1,200. Price \$130 per a. Write or see **T. L. Thompson**, Augusta, Kan.

GOOD SMALL STOCK MDSE. FOR SALE. \$3,000 stock of merchandise, consists of some shoes, dry goods, ladies' underwear, notions, groceries, etc. In a good town in Anderson county, Kansas. Will give a discount for cash. Fine opening for right man. No trades. Address **Lock Box 72**, Colony, Kan.

ARKANSAS

FOR SALE: Well imp. 240 a. near city, \$12.50 a. **J. A. Webb**, Russellville, Ark.

FARMS and fruit lands. All sizes and prices. **T. A. Bayley**, Ft. Smith, Ark.

OSARK fruit farm. Income \$7,000 in 1912. Heart's delight. **H. Hall**, Waldron, Ark.

GOOD farms, low prices, home mkt. Elevation. Health. Map. Lit. Hodge, Mansfield, Ark.

RED RIVER corn and alfalfa farms, \$20 to \$50 per acre; income \$50 to \$60 per acre. List free. **L. A. JUSTUS**, Foreman, Ark.

BENTON county. We have extra bargains in fruit and grain farms. Some exchanges. Address **Frazer R. E. Co.**, Gravette, 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.

DO YOU want a home? Do you want unimp. land for an investment? Let us show you some bargains. Some exchanges. **Star Land Co.**, Gentry, Benton, Co., Ark.

DO YOU want a farm in Arkansas? If so, write for my illustrated book. Imp. and unimp. prairie, timber and rice lands. Write me today. **Olaf H. Kyster**, Stuttgart, Ark.

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

ATTENTION. We have selected list of very best bargains in farm, fruit, alfalfa and timber lands in Ark. Get our list of bargains. **A. W. Estes Co.**, Little Rock, Ark.

160 A., 70 in cultivation, 10 pasture, bal. timber. 5 room house. Good barn, well fenced. Excellent water. **R. F. D.**, phone. Near school. Price \$20 per a. Write **HUDSON REAL ESTATE CO.**, Cabott, Ark.

120 A. impr. valley farm; 60 cult, bal. timbered; white community; public road; mail and phone route; orchard; good water. \$600 down, bal. easy. **ROBERT SESSIONS**, Winthrop, Ark.

ARKANSAS has 500,000 acres government land free to homesteaders. Booklet with list, laws, etc., 25c. County and township map of Arkansas 25c. **L. E. MOORE**, Little Rock, Ark.

274 A. dark and red loam. 200 a. in cultivation, 6 room residence, 4 renter houses, barns, outhouses, wells, springs, orchard and pastures, on graveled road, railway and phone line. 1 mile from town. \$6,000.00, easy terms. **H. M. McIVER**, Texarkana, Ark.

Arkansas Land \$5 to \$40 per acre. 1913 land list free. **J. E. DOW & CO.**, Carter, Arkansas.

For Sale in Southwest Arkansas 80 improved farms at a price ranging from \$15.00 to \$40.00 per acre. Write for literature. **SOUTHERN REALTY & TRUST COMPANY**, Ashdown, Arkansas.

OKLAHOMA

INDIAN LANDS eastern Okla. rain belt. Write **J. J. Harrison**, Pryor, Okla.

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

E. OKLA. lands, \$10 up. Bargains, homes, investments. **Dennison & Griswold**, Claremore, Okla.

KAY COUNTY corn, wheat and alfalfa lands, \$20 to \$75 per acre. New list free. **N. E. Saylor**, Newkirk, Okla.

160 A. of good soil at a bargain, near Watonga, write for price and desc. **A. G. CLEWELL**, Watonga, Okla.

320 ACRE well improved farm, 2 1/2 miles N. W. of Nowata for \$50 an a. Terms. Would trade for Iowa or Illinois farm. Other snaps. **WILKINSON BROS.**, Nowata, Okla.

IMPROVED 240 a. farm in E. Oklahoma for sale. Running water. Price \$45.00 per a. For full description write or see **Troy L. Powell**, Raymond Bldg., Muskogee, Okla.

800 ACRES black land, 2 1/2 miles from railroad. 450 acres in cultivation, 4 sets of improvements. \$30 per acre. **E. HOLCOMB**, Durant, Oklahoma.

320 ACRES creek bottom, alfalfa land, 6 miles two good towns, 200 in cultivation. 25 in alfalfa, more prepared. Moderate improvements. \$35 per acre. **ROBERT L. KNIE**, Cordell, Okla.

640 A. 3 mi. Hodgson, Okla., on main line Ry. In fine grass and timber, part tillable, close to oil and gas well drilling. For quick sale \$5 per a. **W. F. Colnon**, Heavener, Okla.

BARGAINS on farms in New Eastern Oklahoma. Good wheat, alfalfa and small grain land. 47 inch rain belt. Fine grass and several large ranches, cheap. Write today. **Union Security Co.**, McAlester, Okla.

TWO nice well improved dwelling properties in splendid city, 7,000 population; normal and excellent city schools. Splendid church facilities and business place. One business property on corner main square. Want to trade for Southern Missouri or Arkansas, improved corn, alfalfa and fruit land. What have you? Give full description and price in first letter. Property in Alva, Woods county, Okla. Address owner, **W. J. French**, Sulphur, Okla.

200 A., 160 tillable. Used for meadow. Bal. fine pasture all under fence, close to city of 2,000, this county. Make 1 1/2 tons hay per a. Hay never worth less than \$8 per ton. Price \$25 per a. No exchange. Write us for bargains. **SOUTHERN REALTY CO.**, McAlester, Okla.

CADDO COUNTY WINS First on agricultural products at State Fair. Write for information, corn and alfalfa lands. **Baldwin & Gibbs Co.**, Anadarko, Okla.

SEVERAL FINE FARMS FOR SALE in the best corn and cotton belt of Eastern Oklahoma; 80 to 600 acre tracts, \$25 to \$60 per acre. **R. B. HUTCHINSON**, Checotah, Okla.

INDIAN FARMS for sale in rain, corn and oil belt of N. E. Oklahoma at from \$15 to \$35 per acre. Easy terms. A perfect title is guaranteed. For description and prices write the owner, **W. C. WOOD**, Nowata, Oklahoma.

OKLAHOMA, ARK. AND LOUISIANA. 15,000 a. in Oklahoma, 10,000 a. in Arkansas, 4,000 in rich red river bottom in Louisiana. In 40 a. tracts, up. We are owners. Write for literature on state desired. Agents wanted. **ALLEN & HART**, 308 Commercial Bldg., Kansas City, Mo.

Eastern Oklahoma

Land \$3.00 to \$25.00 per a. Prices are steadily advancing—now is the time to buy. If you want a good, cheap home, or a money making investment, write to or call on **W. T. HARDY**, McAlester, Okla.

CALIFORNIA

CALIFORNIA alfalfa and fruit lands. Only \$50 to \$110 per acre including water right. Terms, one-fourth cash, bal. 8 payments commencing second year. Send for booklet 161. Agents wanted. **The Cal-Tex Inv. Co.**, 908 Security Bldg., Los Angeles, Cal.

CALIFORNIA IRRIGATED LANDS. Are you interested? Write us for information concerning the "Kerman Tract" in beautiful San Joaquin Valley, midway between Los Angeles and San Francisco. Perpetual water. We sell in tracts of 10 acres or more. **SCHOOMAKER & MCNEAL**, 214 Finance Bldg., Kansas City, Mo.

NEW YORK

OWNERS DISSOLVING PARTNERSHIP. Must sell this money maker at once. \$8,000 yearly income, books show it. 258 acres, one mile from city of 60,000 people. 12 room house, 2 large barns, one 40x100 basement, concrete floors. Silo, fruit, other buildings all in fine condition, included. 48 cows and heifers, 27 sheep, 5 good horses, 1 colt, 2 engines, ensilage cutter, wagons, mower, sulky plows and cultivators, rake, corn harvester, binder, manure spreader. Grain drill, roller, harness. 300 qt. milk route, wagon, bottle washer, bottles, milk wagon, plenty other things all for \$20,000, \$8,000 cash. (Water running to each cow.) **HALL'S FARM AGENCY**, Owego, Tloga Co., N. Y.

MISSOURI.

80 A. improved farm \$1,000 cash. F. H. Brown, owner, Mayview, Mo.

25 OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

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

160 A. farm, \$1,800, imp. Write for picture. Box 594, Mountain View, Mo.

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

STOP! Listen! 80 a. creek farm \$850; terms. Other farms. McGrath, Mountain View, Mo.

WELL imp. 160 acre farm, 6 1/2 miles out; \$4,500, on easy terms. Write for particulars. DeMotte Realty Co., Mountain Grove, Mo.

FREE, "The Ozark Region." Contains new list cheap lands, and valuable information. Durnell & McKinney, Cabool, Mo.

WRITE for list improved farms in heart of Corn Belt (Northwest part of State). H. J. Hughes, Trenton, Missouri. Seller of Missouri Black Dirt.

LAND BARGAINS—\$5 down, \$5 monthly buys 40 acres, good timber land, south Missouri; price \$200. Perfect title. Write for list Mo. lands. Fred Jarrell, Mt. Vernon, Ill.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$6 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON-REALE ESTATE CO., Anderson, Mo.

I HAVE for sale fine farms from 40 a. to 1,000 acres, at \$5 per a. and up, in one of the best counties in the state of Missouri; new railroad now building. For list and particulars write W. D. Blankenship, Buffalo, Mo.

ONE OF THE BEST 200 acre farms in Howell Co., Mo. 160 a. cult. Good house, large barn, other buildings. Fine water, all fenced; plenty fruit. Near county seat. 1/4 ml. school, 3 ml. town. \$6,500. Terms. No trade. A. P. COTTELL LAND CO., Pomona, Howell Co., Mo.

\$5 DOWN \$5 MONTHLY buys 40 acres near town; grain, fruit, stock and poultry land. Price \$200.00. Other bargains. BOX 372-R, Carthage, Mo.

BATES COUNTY FARMS ranging from 40 to 800 acres; \$40 to \$25; located 60 miles south of Kansas City, Mo. J. D. SAGE, Amsterdam, Mo.

FOR SALE. 80 a. close to town and school; house, stable, fruit, fine water. 25 a. in cultivation, bal. in pasture and timber. Price \$779. Address W. H. SEATON & CO., Swedeborg, Mo.

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

Public Land Acquired Without Residence

Write for particulars of organization forming for securing large block public agricultural land at government appraisal; \$500 represents 140 acres. KELLY & KELLY, Sharp Bldg., Kansas City, Mo.

530 ACRES

Taney Co., Mo. 9 miles from r. r., 3 miles Co. seat. 100 a. under fence. Log house, stable, drilled well; 75 a. in cult., 200 more tillable. Bal. good grazing land. Well watered by springs and White River. Cedar and oak timber. Price \$15 per a. Write L. A. ATKINS, OWNER, HOLLISTER, MISSOURI.

A Remarkable Bargain

320 A. all level land, 65 a. in cult., 80 a. pasture; bal. saw and the timber. 180 fenced, wire and rail; 9 room house, good well at house; barn 70x76; good well at barn; smoke house, other outbuildings; phone in house; handy to school and church; 6 ml. to North View on Frisco R. R. 5 ml. to Fairgrove; 1 ml. to Co. seat, Marshfield; price \$17,600. Incumbrance \$5,000, 5 per cent, due 6 years; will exchange for good Kansas farm. Will assume as much as \$5,000. What have you to offer? See or write PURDY & COMPANY, Springfield, Mo.

S.E. Mo. Corn Lands

We are in the heart of the drained lands of S. E. Mo. The soil is a fine black, sandy loam and adjoins town of Malden; population 3,000. Five thousand acres have been sold and is in cultivation. A Kansas farmer said he would not take \$1,000 for his bargain. The price on this land is \$30 per a. 1-6 cash, bal. one, two, three, four, five years at 6 per cent. Write for literature. MALDEN REAL ESTATE CO., Malden, Mo.

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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.

ARIZONA

ARIZONA for good government land. Climate healthy, summers cool, winters mild, soil fertile. Grain, fruit and dairy. 200 mile auto ride through valleys. ELGIN COMPANY, 723 Finance Bldg., Kansas City, Mo.

TEXAS

FREE. Taylor's Texas Investor (Magazine). A money saver, write now; six months free. H. S. Taylor, Houston, Tex.

WRITE FOR FREE literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Tex.

RANCH of 1,500 a. near Brownwood, Tex.; best farming or cattle raising ranch in state; close to 2 railroads; title clear; no inc.; will sell ranch or cut into farms. Terms. C. W. NICHOLS, 631 Rialto Bldg., K. C., Mo.

OVER 8 million acres land for sale in West and South. Tracts from 40 a. to 200,000. Price \$1.25 per acre and up. We are agents for the Famous Yellow House Ranch, in the shallow water belt of Texas. Best alfalfa and wheat land on earth. \$20 to \$25 per acre. Ten years' time. We want reliable, live wire agent in every county in Oklahoma, Kansas, Nebraska, Missouri, Iowa, Illinois, Indiana, Michigan, Ohio and Wisconsin. References given and required. Good contract to right man. Real estate men preferred. 1913 catalog now ready. EDWARD F. WEBSTER REALTY CO., 411 Commerce Bldg., Kansas City, Mo.

BUY COAST FARM LANDS. We make a specialty of locating the best for the money for the homeseeker and investor. For list and free information write C. H. Stanciliff Land Co., Houston, Tex.

LISTEN! Tarrant county, Texas, has more railroads, more inducements for homeseekers in good lands, paved roads, good markets, health record, schools, churches, etc., all things considered, than any county in the Southwest. Ask for special list of farms, ranches and dairy propositions, close to this great city. KITCHEN-VAUGHN-SEAVER CO., Fort Worth, Texas.

PROFITS IN GULF COAST LAND. Wonderful production, large increase in value, an attractive home. Get our Free Booklets, "The Road to Prosperity" and "A Pointer on Where to Buy Land." Will send you free "The Gulf Coast Bulletin" for 6 mo. Write THE ALBISON RICHEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

All About General Farming in the Mid-Coast Country of Texas

Write for our illustrated booklet. Mid-Coast Colonization Company A. A. Highbarger, Mgr., Bay City, Texas.

FOR SALE OR EXCHANGE

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

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

OZARK farms and mdse for sale or trade. Noah Atkinson, Marshfield, Mo.

FOR sales or exchanges anywhere write Co-operative Realty Co., Humansville, Mo.

FREE—Loose Leaf Exchange Book. It will match your trade. Write Desk A. B. P. JOHNSON, Ordway, Colo.

LISTEN! Have you land, mdse., any other prop. for ex.? Write particulars. A. W. Groeneman, Box 913, Colorado Springs, Colo.

LIST your trades with me for quick returns. No matter where located. ELI W. GREGG, Leedey, Okla.

BARGAINS in southern Kansas farms. \$40.00 to \$75.00 per acre. Exchanges. Send for list. N. F. Paulin, Parsons, Kan.

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

960 A. Trego Co.; 200 creek alfalfa land, imp. \$24,000. Would consider good 160 acre farm for part. Stevens & Ruby, Stockton, Kan.

WANT MERCHANDISE for 320 a. alfalfa, wheat and beet farm. 240 under ditch. \$65.00 per a. Clear. Owner will put in more cash for No. 1 stock. Box 874, Garden City, Kan.

TOUCH a live wire. Our Red Letter Special will trade your property. List today. Guaranteed deal. Write for particulars. Mid-West Realty Exchange, Riverton, Neb.

HOMESEEKERS or investors, buy or trade for Kansas land now before the rise which is sure to come. Send for cash or trade lists. Buxton Land Co., Utica, Ness Co., Kan.

WOULD you trade your farm; city residence, rental property; mdse.; hotel; steam plow; auto or other property for good land? Write Kysar Realty Co., Goodland, Kan.

WHAT have you to trade for Arkansas level cutover land? Close to railroad; no overflow; no negroes; no rocks. Shaeffer Land Co., 640 Reserve Bk. Bldg., Kansas City, Mo.

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, 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.

FOR SALE AND EXCHANGE Ozark lands in tracts to suit, \$4.00 acre up. List free. Anna E. Hockensmith, Ava, Mo.

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

WANT ARKANSAS LAND in exchange for good improved 160 acres Phillips Co. Other exchanges. I. R. ELDRED, Phillipsburg, Kan.

THIS MEANS YOU. Wipe the tears out of your eyes. We can trade that mortgage. Will get what you want. List your property. OWNER'S SALE & EXCHANGE, Independence, Kan.

TEXAS

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.

HALF THE PRICE

You pay in the North, or less, will purchase prairie land, 160 acres up. Will yield 40 bushels corn per acre, only \$40 per acre. Plenty rain, fine climate. Have some exchanges. See or write JNO. C. PENN LAND COMPANY, Houston, Tex.

COLORADO

BEAUTIFUL irri. farms, fruit, sugar beets, grain, alfalfa. Ordway Land Co., Ordway, Col.

160 ACRES near Denver, \$3,500. Good improvements, Wells, fenced and cultivated. Fine soil, big crops. L. A. COBB INV. CO., 242 Century Bldg., Denver, Colo.

A REAL INVESTMENT IN COLORADO. 600 acre stock ranch with own water right, reservoirs and ditches. 85 acres in alfalfa, 300 acres can be irrigated. Plenty of timber for all purposes. One mile from school. 8-room house, barn, outbuildings, fences and orchard cost more than price asked. 3 miles northeast of La Veta in Huerfano Co., Colo. Plenty of free range for stock. Write us for further particulars of this and other bargains in stock ranches, irrigated farms. Gilmore & Co., 439 Century Bldg., Denver, Colo.

THE INTERNATIONAL REALTY & INV. CO. 615-20 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.

SNAP 160 acres; rich, level, fertile land; all fenced and cross fenced. 100 acres in high state of cultivation; fine young orchard, and several hundred young shade trees. House, barn, well and windmill, and other improvements. Located close to county seat and railroad division town with 1,200 pop. Produced 25 bu. of wheat per acre in 1912. A splendid farm and a genuine bargain for \$20 per acre. Write for terms and full description of this, and my list of 26 fine unimproved farms that I am closing out at a sacrifice on easy terms of payment. These lands pay for themselves in one year—from the proceeds of the first crop. Best of schools and finest climate in the U. S. Write for free information. CHARLES E. PURDY, Box 359, Akron, Colorado.

IF YOU have mdse., income property or land to trade, list it with Triplett Land Co., Garnett, Kansas.

FOR SALE AND EXCHANGE. Ness Co. lands and mdse., at low prices. No triflers. Fully describe and price your proposition. C. F. Edwards, Ness City, Kan.

FARM BARGAINS. Farms, ranches, city property and merchandise; for sale or exchange, any size, any price, anywhere. Write for large free list. SEWELL LAND CO., Garnett, Kan.

FOR SALE OR TRADE. A fine large 28 room hotel on 3 lots in Co. seat town of 900. Electric lights, water system, other bldgs. \$15,000. For a ranch or farm up to value. W. A. DOERSCHLAG, Ransom, Kansas.

FIRST CLASS HOTEL FOR SALE. 20 rooms in the best small new town in south Florida. New and modern, completely furnished, good water connections in house. A rare opportunity for a hustler. FLORIDA DEVELOPMENT COMPANY, Davenport, Fla.

FOR EXCHANGE. 160 a. in Anderson Co., Kansas, 4 ml. of Goodrich, improved, good farm; wants resident property in Topeka or Kansas City. 320 a. timber land, smooth, in Christian Co., Mo. 5 ml. of Chadwick. Price \$6,400. Want mdse. SPOHN BROTHERS, Garnett, Kan.

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

For Sale or Exchange Land in the great corn belt of Missouri, Kansas and Nebraska. Also Ranches. If you wish to make an exchange address M. E. NOBLE & SON, 507 Corby-Forsee Bldg., St. Joseph, Mo.

For Sale or Exchange

13 lots in St. Joseph, Mo., South 22nd St., between Oak and Cedar, 3 room modern dwelling, 4 room cottage, brick cave, barn, cistern, shade, good location and repair. Price \$14,000.00. Incumbrance \$6,200.00. Two lots Mayville, Mo., small improvements, \$2,200.00. Incumbrance \$500.00. Also \$4,200.00 1st mortgage, \$13 acres in St. Clair Co., Mo. 2 yrs. 6% Equity in all or part for equal value in land or merchandise. Submit your offer. W. L. BOWMAN REALTY CO., King City, Mo.

To trade 160 acres extra fine, level, bottom land in east end Hodgeman Co., Kansas. Timber and running water on one side, share 100 acres wheat, for stock of groceries. Don't write unless you mean business. M. W. PETERSON, Hanston, Kan.

To Exchange

160 a. of good land for a Percheron stallion and mares; must not be over 6 years old.

W. Jones, Garnett, Kansas

COLORADO

GOLDEN opportunities for a home and investments—NOW. Fine farms, ranches, \$8 to \$10 per a. A few relinquishments. Did you see "bleeding, aims-receiving Kansas" become the wealthiest state per capita? Only a few hours' west of Salina, no finer soil on earth; 50 schools, 4 banks, churches, best of Colorado. Now. Pamphlet. R. T. CLINE, Towner, Colo.

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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.

Ruston, Louisiana

Is the best place for a tenant farmer that only has a little money to own a farm. Rich fertile soil—Ample rainfall.

Healthy Climate

Two crops a year—Good markets. \$10.00 to \$25.00 an acre, easy terms. No floods, mosquitoes or swamps. Write for illustrated literature. NORTH LOUISIANA REALTY & INV. CO. RUSTON, LOUISIANA.

There is Lots of Louisiana Land That Will Produce Three Times Its Cost Every Year

Louisiana is in a class by itself. For rich land, big crops, low prices. It makes no difference if you are rich or poor, an owner or tenant, where you live, or what you are interested in, Louisiana offers you more opportunities, more show to get ahead, bigger returns for your work and investment, than any other section on the North American continent, barring none.

We have soil here that is so rich it could be used to fertilize your northern farm. We can raise the biggest kind of crops of corn and alfalfa; fatten hogs and cattle for half the money it costs in North or Middle West, and this land can be bought from \$10.00 to \$25.00 per acre.

We have issued a nice illustrated booklet with a number of fine photo engravings showing the splendid growing crops of this country. It tells FACTS in big letters about this section in a simple and a plain way. It is free to you just for the asking. Every farmer should read this book for the information undoubtedly will prove to be of great value to you; it probably will give you the opportunity of making an investment, the best you ever made in your life. Farm for yourself; farm in Louisiana; and particularly farm in Alexandria district. Sit right down now and write us a letter for full information about this most wonderful section of the country.

COOK-ALEXANDER LAND CO., Louisiana, Alexandria.

New Board For State Schools

GOVERNOR HODGES'S APPOINTMENTS.

Governor Hodges has made public his appointments to the boards that will have charge of the state's three large educational institutions in the future. The new board of three members will begin its work July 1 of this year, superseding the boards of regents of the Agricultural college, the state normal, and state university. The members of this board are E. T. Hackney of Wellington, Mrs. Cora Lewis, Kinsley, and ex-Governor Hoch of Marion.

Mr. Hackney is a lawyer at Wellington and a graduate of the state university. He was a former member of the legislature.

Mrs. Lewis is the wife of J. M. Lewis, editor of the Kinsley Graphic, and prominent in women's club affairs. She was at one time president of the women's federation of clubs. Ex-Governor Hoch of Marion is well known to Mail and Breeze readers. Mr. Hackney and Mrs. Lewis will hold office for four years and Mr. Hoch for two years.

The new board will be an experiment for Kansas. Just how the state's big schools will fare as a result, is a matter of much conjecture. If the Mail and Breeze were disposed to find fault with the personnel of the board, it would be over the fact the farmers of the state have no representative on it. Agriculture is the state's great industry. Its biggest educational institution is the Agricultural college at Manhattan. Hence the need of a member on this board of control who is closely allied with farming interests.

The present board of regents of the Agricultural college will serve until July 1. The new members just appointed are C. W. Carson, a business man and real estate dealer of Ashland; Abel Giltner, a banker of Wamego; Senator W. M. Price, a lawyer of Madison; and A. J. Morris, a real estate dealer of Hill City. Two members of the old board were retained. They are W. E. Blackburn, of Anthony; and Edwin Taylor, of Edwardsville.

In writing any of our advertisers, always mention Farmers Mail and Breeze. You will get a quick reply if you do.

Editorial News Notes.

If any of our readers contemplate purchasing fruit trees they will do well to write to the Wichita Nursery for their Free Fruit book and price list advertised on page 20. The firm is a reliable one and they handle good stock. Address Wichita Nursery, Wichita, Kansas, and mention Farmers Mail and Breeze when you write for the book.

S. G. Trent, of Hiawatha, Kansas, is one of the large seed corn growers of this state. He is recognized as an authority on purebred seed corn, and grows prize winning stock. Farmers interested in securing high grade seed corn should not fail to write for copy of his catalogue. See ad on page 20. Mention Farmers Mail and Breeze when you write for catalogue.

The farmers of Iowa could give the high cost of living a solar plexus blow from which it could not recover, as far as they are concerned. In just one item they could increase their income by practically 2 million dollars a year, an amount that would more than take care of the increased cost that has been added to living. Without any effort worth mentioning the farmers of Iowa could add 2 million dollars to their income and every single farmer in the state could get his share of this amount in proportion to the number of hogs he owns. The most progressive farmers are getting their share now and if the method of saving were not simple all the farmers would be only too anxious to follow. The amount we have named could be added to the hog profits in Iowa simply by having the farmers feed Lewis Lye and insure the utmost nutrition from the feed that is given the hogs. Here's the pyramid that leads to the 2 million dollars the farmers of Iowa might just as well have as not. It's just a simple example in arithmetic. A quarter can Lewis Lye is enough to get the most out of a barrel of slop. One barrel of slop will feed 30 hogs for one meal. Hogs are fed twice a day, making one-quarter of a can of Lewis Lye sufficient for 15 hogs for one day. It takes 120 days to fatten a hog for market. Two cents a day for 120 days is \$2.40 for the 15 hogs or 16 cents per hog. The use of Lewis Lye increases the weight of every hog a great deal more than four pounds, but in order to be conservative we are taking four pounds as the basis of this calculation. With hogs at 8 cents that means an added profit of 32 cents per hog—a net profit of 16 cents or 100 per cent on the 16 cents worth of the Lewis Lye fed. There are 9,689,000 hogs in Iowa. It would take 12 million cans of lye to fatten 6 million of these hogs for market. The cost for the lye at 8 cents per can would be \$960,000. If each hog increased four pounds in weight, hog raisers would receive \$1,920,000 more for these hogs, which would give them a profit of 100 per cent over the amount paid for this lye. And in addition to this profit the hogs would be secure against the cholera during the entire feeding time. That in itself is worth more than the added profits for it makes sure that the hogs are going to reach the market; and unless the hogs get to market they aren't worth anything.

Certain-Seed Roofing.

The General Roofing Mfg. Company calls its roofing "Certain-Seed" Roofing. That "listens" good and the roofing lives up to its name. It is a first class, guaranteed, ready to lay roofing. The guarantee is for 15 years. Now, before the heavy spring season's work begins, is a good time to get some roofing done. A dealer in your town probably sells it. Note the valuable book referred to in the ad on page 12 of this issue. Address General Roofing Mfg. Company, East St. Louis, Mo., and say you saw the ad in Farmers Mail and Breeze.

A Good Dependable Liniment

For any troubles that may be laying up your horse is Absorbine, the Antiseptic Liniment. This liniment has been on the market for a good many years and has made good. One reason for its great success is that it does not blister or remove the hair and horse can be used during treatment. Get your horse ready for spring work by removing any blemishes that may be present. Mr. Geo. Lee, of Sherrard, Ill., writes under date of Dec. 26th, 1912: "I had a horse about two years ago that had a bunch on his hind leg caused from a neglected wire cut, but I took it off slick and clean with Absorbine and a bandage and sold him for two hundred dollars which I thought was fine. Absorbine at dealers \$2.00 a bottle or sent direct, charges prepaid upon receipt of price. W. F. Young, P. D. F., 209 Temple St., Springfield, Mass.

It Pays To Be Particular.

A farmer who, having the means to do so, would deliberately neglect keeping up the improvements on his farm, would refuse to buy new machinery when needed and fail to keep his live stock in sound, healthy condition, would be considered a very shiftless, indifferent sort of a farmer by his neighbors. And, be it said to their great credit, there are very few such American farmers. But it is not only his fields, stock and barns which should receive the sole consideration of the farmer. If he will stop to think about it, he will realize that the household affairs are well-deserving of his attention. There are certain modern conveniences for the home which by no means should be regarded as luxuries because they are, in fact, present day necessities, the first and most important among them being a serviceable, up-to-date kitchen range. In the selection of a range the same care should be exercised as in the purchase of a horse, wagon, a cultivator or any other item of farm equipment. No farmer would insist upon knowing something about her pedigree, record, etc., he would judge the merit of a plow or any other farming implement from the way it happened to be painted or buy it even though the price were cheap unless he had good reason to believe that it was honestly made throughout. The range for the home should also be closely examined before buying. There is one range, the Great Majestic, which will stand the most critical inspection. It is the only range in the world which is made entirely of malleable iron which cannot break, and charcoal iron which will not rust like steel. It has many new and exclusive features which no other range possesses including an all copper, movable reservoir in direct contact with the heat, an accurate

oven thermometer, oven lined with asbestos board, drop doors, etc. The farmer who buys a Majestic Range has the satisfaction of knowing that he is getting the best that his money can buy—a range that has an established reputation as a perfect baker, a big fuel saver and one that will outwear three ordinary ranges. Majestic Ranges are for sale by the best dealers in nearly every county in forty states and therefore no one need experience any difficulty in making a personal examination of this vastly superior kitchen range.

Something New in Pumps.

By applying the seltzer bottle idea to the daily task of getting water from the ordinary well, Mr. Conrad E. Biel of Denver, Colo., has produced a pumping plant which is not only new, but which promises to become very popular among well owners everywhere. Mr. Biel illustrates the principle of his invention in this way: "Take any kind of a bottle. Fill it with water and then put two tubes—pipe stems or any other kind of hollow tube—in the bottle, running one of them down to within one-half inch of the bottom and the other one just past the neck. Now putty up the air space around these tubes in the neck so that no air or water can pass into or out of the bottle excepting through one of the tubes. When this has been done, blow into the short tube and the water will come out of the long one." Mr. Biel's pumping plant, known as Biel's Water System, is an adaptation of that principle. A galvanized steel tank which automatically fills itself at the bottom, is placed in the well, cistern, spring or stream as the case may be, and connected by pipes with any or all parts of the house or barn. By the use of an easily operated air pump located at the kitchen sink, or wherever the supply is desired, an abundant supply of fresh water is obtained as if by magic. By the use of the Biel system water may be easily pumped any desired distance. Also Mr. Biel points out that his invention requires no storage tank system and the user therefore has always a fresh supply of water direct from the well. The system is said to work perfectly, giving the greatest possible satisfaction, and in addition has the advantage of being very reasonable in price.

Morris & Company Produce a Scientific Hog Food—Big Brand Digester Tankage.

How would you like to breed substantial, healthy, good sized hogs and have them mature quickly—all at a feeding cost of less than 2 cents per day? You can do it, according to Morris & Company, the big packers, if you use their Big Brand Digester Tankage. Big Brand Digester Tankage is an ideal hog food. The value of tankage as a hog food lies in its abundance of protein. Big Brand Digester Tankage contains not less than 60 per cent protein. Protein is the substance that builds the frame and flesh and keeps the hogs in healthy condition. It promotes growth and makes hogs mature quickly. Besides containing not less than 60 per cent protein, Big Brand Digester Tankage contains not less than 8 per cent fats and 10 per cent bone phosphates, which assist in the building of bone, tissue and sound hog flesh. Big Brand Digester Tankage is made of fresh meat strips which are then dried at high temperature. They are ground, screened and cured. The process of boiling the meat strips is accomplished under such high temperature as to sterilize every particle of the Digester Tankage. Big Brand is packed in 100 pound white drill bags—especially sanitary—and is shipped to stock raisers everywhere. Another advantage of Big Brand Digester Tankage is the feeding. It is very easy to feed—can be fed wet or dry, with or without other foods. It is a good plan, according to Morris & Company, to feed only a small portion of Digester Tankage mixed with other foods at the start. After a week or so, Digester Tankage can be fed on a basis of $\frac{1}{4}$ to $\frac{1}{2}$ pound per day per hog and this should be maintained the year round. Agricultural experiment stations have said much about the value of Digester Tankage. Its health building, flesh forming qualities are recommended by many authorities. The rich supply of protein is just what hogs need. It is said that Digester Tankage will produce hog flesh at less cost per 100 pounds than any other food. Morris & Company are making a special offer to 20 men in every township to introduce Big Brand Digester Tankage. Complete details and descriptive literature may be obtained by writing Morris & Company, Union Stock Yards, Chicago, Dept. 232.

Soil Fertility and Cattle Feeding.

Farmers—especially western farmers—are waking up to the importance of diversified farming. The days of the thousand or six thousand acre grain farms are about over. Conditions have changed since "boom" times in the Dakotas tempted a rush of prospective settlers whose only idea of farming was wheat and wheat and wheat for all future time to come. That was all right for virgin soils and untapped stores of seemingly boundless fertility; but agricultural history is much the same, and is very apt to repeat itself, regardless of section. Once, the eastern farmer could crop his acres without returning them fertile which he took away in bumper crops of wheat, corn, oats and rye. But the man of the boundless west sees light, too, and begins to trim his sails to conditions that call for a different policy from the old idea of all grain farming. Men are discovering that fertility must be restored. That soils as rich as were once our unplowed prairies must be fed or grow too poor and lean to make a crop. And men are learning, too, that the best and cheapest way to compass this lies in stock feeding—in handing back to the impoverished soil daily fresh humus, rich in plant food and elements of growth. So we see today, all over the west, cattle barns and silos; and in every village—almost the dealer's sign telling that Dr. Hess Stock Tonic is sold there. For farmers are not only learning the economical value of cattle feeding—they are also learning the value of right cattle feeding. Scientific men, farm schools and experiment stations show the feeder of a preparation like Dr. Hess Stock Tonic—which aids the digestive function in stall-fed animals and thus prevents food waste. Dr. Hess Stock Tonic is not a ration. Nor is it given to take the place of ration, but only to make ration available. Strictly speaking, it is a tonic.

Its effect is to give "tone"—vigor, "snap"—to every animal organ. A stall-fed steer or a milch cow getting a little of it twice a day mixed in ground feed will digest and assimilate the greater proportion of the ration given, and lay it on as flesh, or secrete it in the udder as milk. Thus the use of Dr. Hess Stock Tonic brings to pass a very profitable farm economy. It makes a given amount of corn, bran, cottonseed meal or other feed go further and produce better results in fatter beef and in greater quantities of milk. It gives that sleek, well-fed appearance that brings blue ribbons at live stock shows. It shortens the time necessary to fatten a steer or sheep, or hog, and puts a farm team in the pink of condition for a season's work. Facts are stubborn things—and these are facts. Twentieth century stock feeding is a business conducted on business principles, and under it, like a foundation wall, is the "tonic idea" and Dr. Hess Stock Tonic.

How to Keep the Boys on the Farm.

In a recent issue of The World's Work a successful farmer in discussing the problem of keeping his boys on the farm, wound up by giving this bit of timely advice: "Farmers are prosperous. They have automobiles, they have steam-heated houses, and live as well as anybody. Sentiment is all right, but sentiment won't hold boys on the farm. But let me tell you, if you make your boys think that a farmer can make more money, have more fun, lay by a better competence for old age than any other line, you will put those boys in a state of mind that you cannot drive them off the farm with a club." There is food for thought in his remark, and there is no denying that the great prosperity of the present-day farmer has been the light which has been calling many "back to the farm." And the things that have made for this great farm prosperity are the modern methods of farming, and the modern conveniences which have helped to make the farmer's home life more complete. The old-time drudgery that was always associated with farm life is practically a thing of the past. The farmer is surrounded by every convenience to give him comfort and enjoyment, and in consequence is not only better able to do his day's work but is able to keep his family right around him, because the modern appliances in his home have driven the desire for city life that all too frequently looked so alluring to the country boys and girls—and likely proved not so desirable when they tried it. Instead of the nights being dreary and the family sitting around rather listlessly, the family now spends a pleasant evening together in a steam-heated house, lighted by gas or electricity, and more than likely one of those wonder instruments, the Victor-Victrola, is there to furnish music and entertainment. Caruso or Melba may sing, or Sousa's Band plays some rousing march, a minstrel troupe gives a veritable minstrel show, some noted singers render well-known sacred hymns with the utmost beauty, and the home is filled with cheer and pleasure and seems to make life worth while. Music is needed by the farmer, and when there is a Victor-Victrola at a price to suit every purse there is no reason why there shouldn't be one of these instruments in every farm-home. It is one of the secrets of keeping the boy on the farm, and you should make it a point to hear the Victor-Victrola the next time you go to town. There is likely a dealer near you who sells the Victor-Victrola and he will be glad to demonstrate it to you. At any rate, get the handsome catalogue by writing to the Victor Talking Machine Co., Camden, N. J., and you can then begin to appreciate what such an instrument would mean to your home.

How the Farmer May Help to Solve the High Cost of Living.

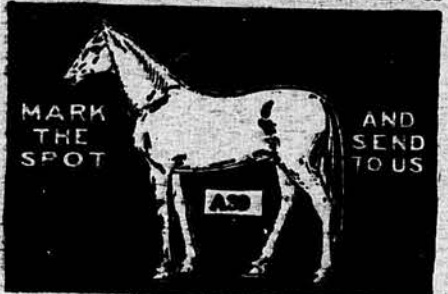
While everyone you meet, nowadays, has his pet theory of how to bring down prices on the necessities of life, there are at least two practical ways in which the farmer may bring this to pass. The theme is necessarily in everybody's thought and on everybody's tongue because of its vital relation to the very existence of the masses. And while it is commonly supposed by those in other walks of life that the farmer is one of the chief beneficiaries of boosted food-stuff prices, the farmer himself can surely tell a different story. He knows even better than the consumer the profitable part the middleman plays in the game of feeding humanity. Indeed, the situation has become so intolerable in places that many cities have of late established regular farmer's "curb" markets, thus bringing the farmer and consumer in the closest possible relations, to the saving of the consumer and the advantage of the grower as well. The agriculturist has definitely within his grasp a two-fold opportunity of helping to solve this serious popular problem. In the first place, he can aid by lending his co-operation to the establishment of "curb" markets in his territory; and in the second place, he may materially decrease his own operating expense by doing away with haphazard methods, and determining to run his farm upon principles of scientific management. Take, for instance, the method of cultivation: By using the up-to-date Planet Jr. implements one man can actually do the work which requires three to six men with ordinary implements. This is not only a plainly apparent saving in time and cost of labor, but considerably better results are secured in the quantity and quality of the yield. The extensive corn-grower who uses the Planet Jr. two-row Pivot-wheel Cultivator, Plow, Furrower and Ridger, which finishes two rows at a single passage, finds his work cut in half and his time likewise curtailed. The orchardist who uses the Planet Jr. Orchard and Universal Cultivator progresses rapidly and profitably in his work because of the demonstrated efficiency of these implements in this line of cultivation. Moreover, the market gardener—and even the amateur kitchen gardener—finds possibly the greatest burden of actual labor materially lifted by a variety of Planet Jr. hand implements, which, beginning with opening the furrow and sowing the seed, accomplish the various progressive stages of cultivation till the matured crop is ready to harvest. S. L. Allen & Co., Box 1105P, Philadelphia, the makers of these time and labor saving tools, issue gratuitously a comprehensive illustrated catalogue, and describe upwards of half a hundred tools that do just such scientific, profitable work.

Mix clabber stiff with shorts or meal and try it on the fattening pens.

Cures Lame Horses

Makes Limping, Idle Horses Sound of Limb and Valuable Pullers.

We absolutely guarantee Mack's \$1,000 Spavin Remedy to cure Bone or Bog Spavin, Ringbone, Thoroughpin, Curb, Capped Hock, Shoe Boil, Sprung Knee, Lacerated and Ruptured Tendons, Sweeney and all other forms of



lameness affecting a horse. It's a powerful remedy that goes right to the bottom of the trouble and cures the lameness in just a few days while the horse is being worked as usual. Contains nothing that can injure the horse and heals without leaving scar, blemish or loss of hair. We have deposited \$1,000 in a local bank which must be forfeited if we fail to do as we say. If you are not absolutely sure what causes the lameness, mark with an "X" on horse above where lameness occurs, tell how it affects the gait and give age of horse, and send to us. Our expert graduate veterinarian will tell you what it is and how to cure it.

Your druggist will obtain Mack's \$1,000 Spavin Remedy for you if you ask him. If for any reason you can't get it, write us. We will see that you are supplied. Ask for instructive free book "Horse Sense" No. 8. McKellar Drug Co., Binghamton, N. Y.

DANGEROUS

as well as painful

Backache Neuralgia
Lumbago Rheumatism
Stiff Joints Sprains

Combault's Caustic Balsam

WILL RELIEVE YOU.

Its penetrating, soothing and healing and for all Sores, Wounds, Felons, Exterior Cancers, Burns, Boils, Carbuncles and all Swellings where an outward application is required. CAUSTIC BALSAM HAS NO EQUAL. Removes the sores—strengthens the muscles. Price \$1.00 per bottle. Sold by druggists or sent by express prepaid. Write for Booklet L.

The LAWRENCE-WILLIAMS COMPANY, Cleveland, O.

ACCIDENTS WILL HAPPEN

The colts will get kicked and strained, run into barb wire fences, or fall. Then you need

ABSORBINE

As it takes out soreness and inflammation promptly, stops lameness, removes lumps and swellings, Bogs Spavins, Wind Euffs, Splints, Curbs, heals cuts, lacerations. No blister, no hair gone and horse can be used. \$2.00 a bottle at dealers or delivered. Book 2 H. FREE. Write for it. W. F. YOUNG, P. D. F., 209 Temple St., Springfield, Mass.

20 All Different "Western" FREE POST CARDS

On this liberal offer we will send you, absolutely free and postpaid, 20 all-different post cards including views of many points of interest in Kansas, U. S. Army life, Federal Buildings, Kansas State University, Indians, Cowboys, the Round-up on a Big Kansas Ranch, Scenes of Interest in and around the Capital City, etc. We send the entire collection to all who send 10 cents in stamps or silver to pay for a 3-months' trial subscription to our big farm and home monthly. Supply of cards very limited. Order at once. Address: VALLEY FARMER, Dept. K. V-13, Topeka, Kansas.

\$150 A MONTH

and expenses easily made selling our modern line of family medicines, extracts, spices, soaps, perfumes, stock food, etc. — nearly 100 different articles in all.

We Start You in Business for Yourself

A Reliable Established Company, with a capital of \$200,000.00. No capital required. We furnish the goods on credit. You pay us after customers pay you. No experience necessary. We teach you the business. Position permanent. Exclusive territory. Only line of goods sold on a sanitary free trial plan. For full particulars, write at once to

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Manager Livestock Department.

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A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kans.
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W. W. Kansas and S. Nebraska.
C. H. Walker, N. E. Kansas, N. Missouri, 322 Flora Ave., Kansas City, Mo.
Geo. W. Berry, N. Nebraska and W. Iowa, Upper Bldg., Topeka, Kans.
H. W. Graham, E. Iowa and Illinois, Chillicothe, Mo.
E. 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.

Apr. 3—Roy Johnston, South Mound, Kan.

SHORTHORNS

April 22—George Allen & Sons, Lexington, Neb., at South Omaha.

Aberdeen Angus Cattle.

April 28—Omaha, Neb., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.
May 1—Chicago, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.
May 2—East St. Louis, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.

RECORD ASSOCIATION MEETING.

At the recent annual meeting of the American Mulefoot Hog Record association held in Columbus, Ohio, John H. Dunlap, of Williamsport, O., was elected president; Prof. C. W. Burkett, of New York, was elected vice president; and Hugh Huntington, Columbus, O., secretary. Applicants for membership are coming in from all over the U. S. to the association, and the future seems very bright for this association, whose management is composed of men of experience and ability. Mr. Dunlap is the largest breeder of this hog, and has spent a great deal of time and money bringing the mulefoot before the people through the farm press, and by exhibiting the hogs at the state fairs. He was the first breeder to advertise them extensively, and has made sales in every state and in foreign countries.

Kansas and Oklahoma.

BY A. B. HUNTER.

Clasen Bros., Union City, Okla., sold February 27, 39 head of purebred Duroc-Jersey swine, consisting mostly of bred sows and gilts, and including a number of late spring and summer gilts at an average of \$34 per head. Clasen Bros. have at the head of their herd the great breeding boar Valley B., grand champion at Hutchinson State Fair, 1912.

Knox's Poland Sale.

I. E. Knox, South Haven, Kan., sold at auction, Saturday, March 8, 48 head of purebred Poland China swine, consisting mostly of bred gilts and a large per cent of the offering were rather young. They averaged over \$35 per head. Among the liberal buyers and bidders who attended the sale from a distance were L. H. Sullivan, Cedarvale, Kan.; Ed Frazee, Mount Hope, Kan.; Geo. Parrish, Newkirk, Okla.; and Roberts & Gardner, Quinland, Okla.

Royal Scion Farm Durocs.

C. G. Norman, owner of Royal Scion Farm at Winfield, Kan., is offering spring and fall boars and gilts sired to Graduate Col. and Royal Scion. Every student of Duroc and Jersey pedigrees knows that Graduate Col. is one of the greatest prize winners and producers of prize winning and high selling hogs in the Duroc-Jersey breed. The Royal Scion herd is worthy of its name in every pedigree. There is probably not a more fashionably bred herd in the country than that owned by Mr. Norman. He, himself, is a very close student of Duroc-Jersey pedigrees and when adding to his herd buys nothing but the cream of breeding. Any of our readers wanting good Duroc-Jerseys will do well to correspond with Mr. Norman. Note his change of copy in this issue.

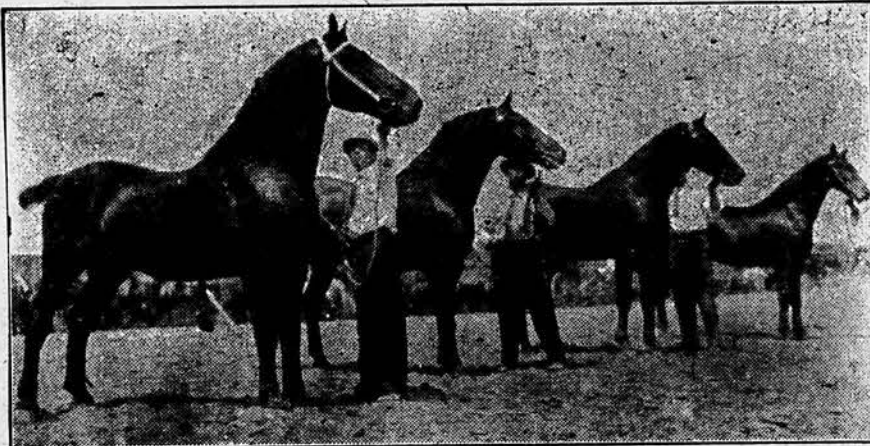
Robison-Brown Percheron Sale.

J. C. Robison of Towanda, Kan., and Willard R. Brown of Minneapolis, Kan., sold 47 head of Percherons in combination sale at Kansas City stock yards pavilion, March 5, at an average of \$487. Twenty-nine stallions sold at an average of \$438, and 18 males sold at an average of \$438. These averages are particularly good when all facts and conditions are taken into consideration. Quite a number of the horses, both stallions and mares, were young. Several in each group being suckers. Each animal was sold as an individual lot. The location was probably advantageous for Mr. Brown but it is a question whether Mr. Robison's horses would not have brought more money at home. Cols. R. L. Harri-man and J. D. Snyder did the selling. The following gentlemen were buyers at this sale: J. W. Martin, Odessa, Mo.; R. H.

Town, Valencia, Kan.; Lenexa Importing Co., Lenexa, Kan.; Lansing Percheron Imp. Horse Co., Lansing, Kan.; C. N. Fairly, Lawrence, Kan.; Jas. Ruth, Luray, Kan.; W. C. Ball, Gardner, Kan.; E. R. Lauterbach, Jasper, Mo.; Frank Frost, Carthage, Mo.; Wm. Branson, Overbrook, Kan.; N. B. Kenney, Hamilton, Mo.; J. C. Bain, Minneapolis, Kan.; John Strathair, Kiowa, Kan.; R. R. Brinkman, Stillwell, Kan.; S. B. Woods, Kansas City, Mo.; C. W. Lamer, Salina, Kan.; E. F. Brown, Lawrence, Kan.; C. M. Howard, Hammond, Kan.; W. A. McVay, Trenton, Mo.; Fred Young, Kansas City, Kan.; Geo. Davis, Longford, Kan.; Frank Frost, Carthage, Mo.; F. J. Bruns, Clay Center, Kan.; M. E. Hamer, Lawrence, Kan.; Chas. Wilson, Clinton, Mo.; Frank Rhyma, Stockport, Ia.; E. F. Chiles, Metz, Mo.; Geo. App. Adrian, Mo.; Harry Grinnell, Severy, Kan.; C. S. Hart, Milan, Mo.; W. B. Taylor & Son, Weatherby, Mo.; C. M. Chapman, Carthage, Mo.; Plummer & Blessing, King City, Mo.; Martin Horse & Mule Co., El Paso, Tex.; Tom Sheehy, Hume, Mo.; W. E. Hall, Layton, Mo.; Raymore Percheron Horse Co., Raymore, Kan.; O. L. Thisher, Chapman, Kan.; F. B. Warren, Lovewell, Kan.; L. M. Eagan, Kansas City, Mo.

German Coach Horses.

J. C. Bergner & Sons, Waldoock Lake Ranch, Pratt, Kan., have established a stud of purebred Oldenburg German Coach horses that is a credit to the popularity of these large handsome horses that are grading up our little trotters to more size and beauty for the best carriage horse markets. They make fine farm teams, good drivers on the road and good breeders. At the head of the stud is the Oldenburg German Coach stallion, Mephistosles 4221 by Mentor 1054. He has been the first prize winner at the Hutchinson State Fair and several county fairs for the last three years. He is a grand show horse and very fine actor, a good



breeder, that is reproducing his handsome type and conformation as shown in the young stallions and mares in the stud. Among the brood mares are eight that were sired by Moltke 13, sweepstakes horse of the Columbian Exposition, 1893, Chicago World's Fair; and nine that were sired by Milton 3159, premier champion Coach horse of the St. Louis World's Fair. These mares are breeding up a fine lot of colts. Messrs. Bergner & Sons have 65 head of young Coach stallions and fillies now ready to sell and invite the inspection of the farmers and horsemen. The German Coach horse is a large, stylish horse, with first class, all around action, good strong legs, a fine head and neck, large intelligent eyes, good back and quarters. Having been raised in a very rough climate and being the greater part of the year in the open air, the German Coach horse has developed into a hardy and enduring breed of horses. When 3 years old they are fully matured and fit for breeding as well as for any farm work. Compared to other breeds, the German Coach is more quiet in harness. The German Coach is the purest bred, oldest and best coach horse in the world today and the best for the American breeder to use. For prices and further particulars write or call, mentioning Farmers Mail and Breeze.

The Best In Berkshires.

The Walnut Farm herd of Berkshires, owned by L. A. Waite, of Winfield, Kansas, is recognized as one of the great herds of this favorite breed of hogs. Mr. Waite has taken great pains and been to a very heavy expense to build up this herd. They are exceptionally fine, both in individual excellence and breeding. The herd now numbers over 100 head, including a great collection of 30 outstanding brood sows, with Lord Duke 3rd at the head. The foundation of this herd comprises daughters of Baron Duke 50th, Masterpiece, King Robison, Revelation, Imported Lustre Bachelor, Imported Danfield Mining. To this collection has been lately added the get of Berry-ton Duke Jr. and Charming Duke 29th along with a few of the most noted Silver-tip sows. These last were bred to the excellent boar Charming Duke 29th. It will be seen by this slight description that Mr. Waite's herd is strong in the blood of Black Robison and Lord Premier as well as being strongly represented with imported blood. Lord Duke 3rd is a grandson of Baron Duke 50th and also of Masterpiece Belle, comprising the blood of the two most noted Berkshires of today. Lord Duke 3rd is a massive, smooth fellow, of true Berkshire type and a breeder of type short headed pigs. He has been a first prize winner, both in Kansas and Oklahoma and was never defeated wherever shown. The 20 gilts now on the farm show great uniformity in type and finish and will make great additions to any herd. Rival's Crusader is a type young boar, a grandson of the great show and breeding boar, Big

Crusader. Like his grandsire he is in a class by himself comprising outstanding excellence. He is being reserved for service in this herd and is being crossed on a number of the choice gilts that are now for sale. Master's Longfellow (now dead) was a boar that has been used largely with the most satisfactory results in this herd for the last two years. He had made a splendid record in the show ring, having been several times grand champion boar at both Kansas and Oklahoma State Fairs. The blood lines of this boar were all that could be asked, as he was sired by Masterpiece and out of Barons Belle. Several of the gilts that are for sale are his get and will be mated to Rival's Crusader. The number of choice gilts now on hand enable Mr. Waite to make some very choice selections, for buyers on mail orders which will receive his personal care, both in selection and shipping. Assurances are made that much pains will be exercised to please his patrons by shipping good individuals. Write him for full description and prices. Address Leon A. Waite, R. F. D. 8, Winfield, Kansas, and mention Farmers Mail and Breeze.

Kansas and Nebraska.

BY J. W. JOHNSON

E. G. Munsell of Herington, Kan., owner of Quivera Place, is offering a few choice boars and gilts sired by his splendid boar Quivera. Mr. Munsell will make attractive prices on his hogs and will guarantee them in every particular. Write him for descriptions and prices.

Poland Chinas and Poultry.

A Poland China breeder who is going to have a fine crop of early pigs is L. E. Klein, Zeandale, Kan. He has seven sows with 49 fine pigs and expects more, soon. He is enjoying the comforts of caring for his young pigs with a modern hog house, to keep them in, this winter and is having the best of luck saving them. He also has a nice lot of fall pigs of both sexes and is ready to price fall boars good enough to go to the head of good herds. He will also price a few fall gilts. These pigs are by Chief Price, by Chief Price Again, he by Long Price, one of Iowa's great sires. As has been said many times in this paper Mr. Klein is the owner of one of the best herds of strictly big type Poland Chinas in

There were several head of Standard bred horses sold that went low but the Percherons sold for an average of almost \$440. The sale was held in the open as the day was favorable. The catalog, which was compiled by Mr. M. A. Smith of the Granite Creek Stock Farm, Cawker City, Kan., one of the principal consignors, was as attractive and complete as any catalog that has been gotten up in a good while. The offering was even better than it had been advertised to be and was mostly the property of breeders in Mitchell county. Below is a list of the principal buyers:

1—Jas. Ludwig, Beloit.....	\$ 715.00
2—Chas. Bull, Lenora, Kan.....	225.00
3—A. Rud. Jamestown, Kan.....	415.00
4—A. Rud. Jamestown.....	530.00
5—L. Peterson, Beloit.....	365.00
7—F. A. Cole, Barnard, Kan.....	425.00
14—C. E. McKinnie, Beloit.....	330.00
16—J. W. Mears, Randall, Kan.....	360.00
18—R. H. Getney, Gaylord, Kan.....	205.00
19—G. B. McMillan, Nowood, Wyo.....	750.00
22—L. Cox, Concordia, Kan.....	800.00
23—W. H. Harper, Glasco, Kan.....	410.00
24—H. W. Parsons, Sylvan Grove, Kan.....	585.00
25—W. R. Flinn, Randall.....	750.00
29—C. H. Peckham, Hunter, Kan.....	305.00
32—Fay Foy, Beloit.....	375.00
33—C. P. Albert, Glen Elder, Kan.....	210.00
34—Frank Hays, Humboldt, Kan.....	475.00
36—Jas. Williams, Beloit.....	405.00
37—F. L. Brown, Sylvan Grove.....	1,100.00
38—Fred Sackhoff, Cawker City, Kan.....	915.00
39—R. H. Getney, Gaylord.....	600.00
40—F. J. Goodrich, Scottsville, Kan.....	350.00
41—W. W. Foster, Osborne, Kan.....	145.00
42—John Gilland, Osborne.....	350.00
43—W. J. Wilkenson, Scottsville.....	605.00

Kansas, Missouri and Iowa.

BY C. H. WALKER.

Ben Schneider of Nortonville, Kans., is offering a choice lot of young Holstein bulls that will meet approval from the most critical buyer. They are bred right and right in every way. Write him your wants.

Denton's Angus.

Good Angus bulls are offered by W. G. Denton, Denton, Kansas. These are of serviceable age, are bred right and are of the best individuality. Write Mr. Denton for description and prices of the stock he is advertising in this issue.

Schneider's Poland Chinas.

Joe Schneider of Nortonville, Kas., is offering a few bred Poland China sows that should suit anyone in the market for top breeding stock. They are of big type breeding and are right individually. They are bred to good boars and are due to farrow early. Write him for prices and description.

Kirk's Imported Horses.

Chas. R. Kirk, president of the Percheron Importing Co., of South St. Joseph, Mo., has on hand now choice lot of Imported Percheron stallions and mares that are handsome, choicely bred and right individually. To those who are in the market for a top stallion, one that will prove popular and at the same time pay out as quick as any horse from any firm in the country we recommend this great Percheron establishment. Write him for further information.

Robinson's Mammoth Polands.

F. P. Robinson of Maryville, Mo., has on hand a selected lot of his mammoth Poland Chinas that will suit those who are in search of the very best in the big type. At present he is offering two tried boars and a choice lot of fall pigs of both sexes. The younger stock is sired by the boars that have made this herd famous. Mr. Robinson's guarantee on all stock sold on mail order is the most liberal made. If the buyer is not satisfied he may return the animal and get his money back. To show that Robinson's mammoth Polands give satisfaction it is interesting to note that in the years Mr. Robinson has been making this guarantee he has had but one returned. That is a mighty good record and one that is worthy of patronage. Write Mr. Robinson per his advertisement and kindly mention the Farmers Mail and Breeze.

Miller's Horse and Jack Sale.

That the rank and file of Missouri farmers do not appreciate to the extent they should the advantage to them of a keener interest in the draft horse industry was demonstrated at the S. J. Miller sale of Percherons and jacks held at Kirksville, Mo., Thursday, March 6th, when this veteran breeder in conjunction with Deardoff Bros., of Hale, Mo., offered as a lot, a highly creditable collection of Percheron stallions and mares. The 16 stallions averaged \$436.87 and six mares averaged \$340.00. That they could have sold for at least twenty-five per cent more on the average and still have been excellent buying propositions is a conservative statement. Incident 67799, topped the stallions at \$390.00, going to W. H. Scane of Bedford, Ia. Otto Switzer, Bucklin, Mo., topped the

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Through my ad in your paper I sold both my jacks at very good prices. Yours very truly,
A. B. HAGUE.
Kiowa, Kan., February 24, 1913.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Enclosed find check for \$12.50. My business has been good, having sold seven farms in January and two this month already. Thanking you for past favors, I am Yours very truly,
CHARLES R. BOWMAN,
Real Estate Dealer.
Amoret, Mo., February 15, 1913.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

Mitchell County Horse Sale.

The combination horse sale at Beloit, Kan., last Thursday came off as advertised and was well attended by farmers from Mitchell and adjoining counties with a few from a distance. Mr. G. B. McClellan of Nowood, Wyoming, was the heaviest buyer. The top of the sale was \$1,100, paid by F. M. Brown of Sylvan Grove, Kan., for Rowdy Boy, the great 4-year-old show stallion consigned by J. G. Arbuthnot. The prices received were considered very fair.

LIVESTOCK AUCTIONEERS.
Wm. H. Harper, LIVESTOCK AUCTIONEER.
 GLASCO, KANSAS. Phone for Dates.

JAS. W. SPARKS Live Stock Auctioneer
 MARSHALL, MO.

COL. HOMER BOLES, Randolph, Kan.
 Livestock and General Auctioneer.

Col. D. F. Perkins, Concordia, Kan.
 Up-to-date methods in the Auction business. Purebred stock sales and big sales generally. Write or dates.

L. R. BRADY LIVESTOCK AUCTIONEER
 Manhattan, Kan. Write or wire for dates.

COL. S. B. YOUNG, Osborne, Kan.
 Livestock Auctioneer. Write for dates.

R. H. DENGATE, Lucas, Kan.
 LIVESTOCK AUCTIONEER.
 DATES CLAIMED ARE PROTECTED.

N. S. HOYT, Mankato, Kan.
 Livestock Auctioneer. Big Horses and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

T. E. GORDON, WATERVILLE, KANS.
 Livestock and Real Estate Auctioneer.
 WRITE FOR DATES.

Will Myers, Livestock Auctioneer
 Beloit, Kansas.
 Write or phone for dates. I am located right to give good service.

Col. J. R. LOYD, ATHOL, KANSAS.
 LIVESTOCK AUCTIONEER.
 Write for terms and dates, and reference.

Col. N. B. PRICE, Mankato, Kan.
 LIVESTOCK AUCTIONEER.
 Phone or write for dates. Bonney K. heads my Duroc-Jersey herd

G. A. DRYBREAD Elk City, Kans.
 Live stock and farm sales made anywhere. Give me a trial. Satisfaction guaranteed.

C. G. DENNEY GUIDE ROCK, Nebr.
 Auctioneer. Pure bred stock sales and big farm sales. Write or phone.

W. B. Carpenter,
 Live Stock and Real Estate Auctioneer.
 Also President Missouri Auction School.
 14th and Grand Ave., Kansas City, Mo.

John D. Snyder HUTCHINSON, KANSAS
 LIVE STOCK AUCTIONEER
 Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

R. L. HARRIMAN
 Live Stock Auctioneer
 BUNCETON, MISSOURI

MULE FOOT HOGS.
 More premiums won in 1912, than any herd in the U. S. Bred sows, some extra spring farrow boars and pigs in pairs not related. Pedigrees furnished. ZENE G. HADLEY, R. F. D. 5, WILMINGTON, OHIO.

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. DE. W. J. CONNER, Labette, Kan.

O. I. C. SWINE.
O.I.C. Pigs Pair, \$25.00, Harry Haynes, Meriden, Kansas

GOOKIN'S O. I. C. HOGS. Booking orders for different boars, out of sows not skin. Priced to sell. F. C. GOOKIN, RUSSELL, KANSAS.

CHESTER WHITE HOGS
 Good quality, either sex, the short nose kind. Write for prices. FRANK PROCHASKA, Glasco, Kans.

STAR HERD O. I. C's.
 Breeding stock of various ages, either sex. Best breeding sows, sent in this herd. Write your wants. ANDREW KOSAR, GLASCO, KANSAS.

O. I. C. 125 HEAD HOGS Pigs in pairs, Bred Sows and Service Boars
W. H. Lynch, Reading, Kansas.

Neef's Cholera Immune O. I. C's.
 Pure bred seeds and S. C. R. I. Reds. Hogs all ages for sale reasonable prices. Special on sows and gilts bred for spring farrow. Have choice lot Red's Yellow Dent, Boone Co. White and Carter's seed corn at \$2.00 per bu. shelled and \$3.00 in ear. Recleaned Texas Red Rust Proof seed oats and seed rye. Some fancy S. C. R. I. Red cockerels at \$1.00 and \$2.00 each. Eggs for setting \$1.00 per 15, \$4.00 per 100.
 Riverside Farms, J. H. NEEF, Boonville, Mo.

We Make Good Cuts!
 The Mail and Breeze has the most complete plant in Kansas for the making of first class half-tone engravings and zinc etchings. Particular attention given to livestock and poultry illustrations for letterheads, newspaper advertisements and catalogues. Our cuts cannot be excelled and are guaranteed satisfactory. Lowest prices consistent with THE MAIL AND BREEZE, Topeka, Kan. good work. Write for information.

mares at \$475.00 on Bell, a choice black eight-year-old. R. P. Brinkman of Stillwell, Kansas, made two good selections in Lady Roberts, the show mare and Starbright. The jack sale was good—as most jack sales are in Missouri—the 13 head which included jacks from weanlings up to 11 years old, averaged \$585.00. The top \$1550.00 paid by Neal Vaughn of Tina, Mo. for Platter 2nd, a top four-year-old. S. J. Miller paid \$1,300.00 for Just Right, lot 18, a choice two-year-old. These were from the Dear-doff Bros., consignment. Cois. Chas. and Kemp Hieronymus conducted the sale in their usually satisfactory manner. Below is a list of the buyers: W. H. Scane, Bedford, Ia.; J. E. Downing, Sioux, Mo.; L. M. Payton, Fayette, Mo.; T. O. Pemberton, Macon, Mo.; Harvey Watson, Kirksville, Mo.; J. F. Schmitz, Nauvoo, Ill.; W. W. Downing, Hawk Point, Mo.; J. W. Deitling, Zenda, Kans.; H. H. Dooley, Coatesville, Mo.; H. B. Morelock, Green Castle, Mo.; Otto Switzer, Bucklin, Mo.; M. Sweeney, St. Marys, Kan.; C. F. Aaron, Minden, Ill.; Geo. Nau, Middleton, Ia.; Geo. Adams, Green Top, Mo.; Clarence Starbuck, Queen City, Mo.

Herefords Averaged \$242.02.
 56 bulls \$15,325; average \$273.92
 28 females 5,005; average 178.75
 84 head 20,330; gen. average 242.02
 An improvement over last year's average of nearly \$100 gives an idea of the healthy condition of the Hereford business and shows what a good sale was held by Funkhouser, Gabbert & Others at Kansas City, on March 4 and 5. Encouraged by the great sale made by McCray of Indiana the week previous and the unusually strong demand manifested on all hands the Hereford breeders showed a keener appreciation of their favorite cattle and bid and bought accordingly. The above summary shows the prices the cattle brought, but it would be hard to describe how badly the breeders want Herefords. It was an excellent offering, the best the members of this association have ever put up at auction, and their efforts to sell the best were duly appreciated. The females sold very evenly the top being but \$230 with the average \$178.25. This cow went to Carl Miller of Delview, Kans. She was consigned by Dr. Thornton. The top on bulls was \$535 paid for Generous 5th a son of Jas. A. Gibson's great bull, Generous. A Kansas breeder also bought this bull he going to W. I. Bowman of Ness City. Beau Ultra by Beau President, consigned by the Missouri Agricultural College, was the second highest animal sold, going to Frank Hug of Scranton, Kans., at \$525. Sir Simon 5th, the Carmichael herd bull went to Claude H. Makin, of the International Cattle Co., Olivett, Kan., at \$510. J. B. Gillette of Marfa, Tex., bought a carload of the better sorts to use on his range and in his purebred herd. The Hereford business is in a better condition than it has been for years and all the sales held recently show a large list of new names or names of breeders who have been handling but a few head. The Hereford business offers a mighty bright future for the farmer that will get in now and buy. There is a shortage now so pronounced that it will take years to supply and the wise man is the one who takes advantage of the good times at hand. Missouri and Kansas farmers and breeders were heavy buyers, Kansas especially taking a big portion of the offering. Cois. Keppert, Zaun and Mathews handled the sale in excellent shape.

Iowa and Nebraska
 GEO. W. BERRY.

Searle & Cottle, breeders of Duroc-Jerseys, Berryton, Kan., report the sale of a choice boar to head the herd owned by Milton Walsh of Kansas City, Mo. Mr. Welsh writes that the boar arrived in fine condition and that he is highly pleased with the selection which was made on a mail order for him. The boar was sired by Tata Walla and is a specimen of the splendid crop of fall pigs raised by Searle and Cottle at their Bonnie View farm. Messrs. Searle & Cottle state that they have sold all the bred sows they can spare, but are prepared to fill orders for fall pigs of show yard quality and will book orders for pigs from their spring litters.

Berkshire Bred Sows.
 E. D. King, breeder of high class Berkshires, Burlington, Kan., has over 200 sows bred to great boars for spring litters, and with the large number from which to make selections, is prepared to please his old and new customers alike with choice individuals. Mr. King's Berkshires are noted for size, heavy bone, substance and easy feeding qualities demanded by farmers as well as the quality, finish and desirable blood lines to satisfy the most exacting breeders. Anyone interested in stock breeding would enjoy a visit with E. D. King, at his farm which is one of the greatest swine breeding establishments in the United States. Call on him or write for particulars, mentioning Mail and Breeze.

Bargains in Shorthorns.
 Dietrich & Spaulding of Richmond, Kan., are changing their ad in this week's issue from the Poland China to the Shorthorn column. In their ad they are offering two young cows and an 8-months-old heifer. The cows are 3 and 4 years old. Both sired by a purebred Scotch bull and out of a good cow by Scotland's Charm. Both the cows are in calf to a good son of Ingie Lad. These cattle are all red, in splendid condition, all recorded and are offered at the astonishingly low price of \$250. Scotland Charm did service in the C. F. Wolfe & Sons herd at Ottawa, Kan., for a number of years and was one of the best sires ever used in that splendid herd. He was especially strong as a producer of high class cows. Ingie Lad was one of the good herd bulls used by Howard M. Hill of Lafontaine, Kan. The breeding of this offering is A-No. 1 and the price quoted is certainly very low.

George Allen Dead.
 George Allen, a widely known breeder of Shorthorn cattle and Shropshire sheep, died at his home at Lexington, Nebraska, February 22. He was born at Staffordshire, England, April 15, 1848. His father, George Allen, Sr., was a successful breeder of Shorthorns and Shropshires. Characteristic of the English farmer, like father like son, the younger Allen followed the life work of the father, succeeding so well that he

POLAND CHINAS.
POLAND CHINAS Select young boars. Gilts, bred or open. Prices right. Call or Address H. L. BROOKS, LARNED, KANSAS

QUALITY and SIZE Big, Smooth Polands, bred sows and summer pigs for sale. LAMBERT BROS., SMITH CENTER, KANSAS.

LARGE WITH PLENTY OF QUALITY.
 Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers. Satisfaction guaranteed on all breeding stock.
OLIVIER & SONS, DANVILLE, KANSAS.

NEBRASKA TYPE. A fine lot of summer and fall pigs by Hyden's Big Hadley 2nd, Pan Wonder and Neb. Chief. Bargains in the best. C. C. Ingram, Bloomington, Neb.

HARRY HOAK'S POLAND CHINAS
 A few large, Big Type boars, also some good sows and gilts bred for early litters. Fashionable Big Type breeding and priced right to buy. Call or write today!
HARRY HOAK, Attica, Kansas

ALBRIGHT'S BRED SOWS AND GILTS
 20 gilts bred to one of the good sons of Big Tom and Sensation; 8 tried sows bred to Cavett's Mastiff by King Mastiff. One extra good sow bred Oct. 16th.
A. L. ALBRIGHT, WATERVILLE, KAN.

BigType Poland Chinas
 With unusual size and show yard quality. The kind you saw us win with at Topeka and Hutchinson. Don't you want some of them?
R. B. BAIRD, CENTRAL CITY, NEBRASKA

45 BRED SOWS AND GILTS
 Poland Chinas, in public sale, Thursday, April 8th. Also a few choice fall boars in same sale or at private sale. Hogs of a higher order but priced within the reach of all.
ROY JOHNSTON, South Mound, Kansas

Schneider's Poland Chinas
 Can furnish choice summer and fall pigs, pairs or trios, not skin, by Guy's Expansion and Goldust Hadley. Also 10 head of yearling sows bred to these boars.
JOE SCHNEIDER, Nortonville, Kansas.

Polands—Barred Rocks
 Summer and fall pigs by Referendum and J. C. Metal and out of choice sows. Priced to sell. Also 50 Barred Rock Cockerels.
A. N. Waechter & Son, Riverton, Neb

KLEIN'S TABOR VALLEY HERD
 Big Type Poland China fall boars and gilts for sale, priced right. Also S. C. Rhode Island Red Cockerels. Eggs 15 for \$1.00 or \$5.00 per 100. Write L. E. KLEIN, Zandale, Kan.

POLAND CHINA GILTS
 12 strictly big type breeding bred to B's Big Orange. As all my sows are bringing large litters I can spare this number to a quick buyer; all are blood worth the money. Also some good fall boars come and see stock or write. Have a good yearling Hereford bull at \$100.00. **GEO. BINGHAM & SONS, Bradford, Wabunsee Co., Kan.**

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 8d. Everything guaranteed and sold with the money. Address **CLARENCE DEAN, WESTON, MISSOURI**

BROOD SOWS For Sale
 Ten tried brood sows, ten fall gilts and ten early spring gilts all safe in pig to Forrest Wonder and Long King. Big Poland Chinas at reasonable price. Will not hold a winter brood sow sale. These are priced to sell. Our herd boars are Designer, Good Medal and Major Look.
C. S. NEVIUS, CHILES, KANSAS.

POLAND CHINAS!
 Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.
JOSEPH M. BAIER, ELMO, KANSAS.

A. D. JONES,
 OF DUNLAP, IOWA
 has for sale sows and gilts bred to 1,000 lb. boars, and 600 and 800 pound dams. To farrow in March, April, May and June. Strictly Big Type Poland Chinas. I breed for length, bone and quick maturity. Send for price and description.

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.

MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.
 200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood).
E. D. KING, BURLINGTON, KANSAS.

POLAND CHINAS.
Baker's Big-Boned Polands
 Sows, bred. Service boars. Best breeding. Farmer's prices. **W. Z. BAKER, Rich Hill, Mo.**

BIG TYPE POLANDS
 Summer and fall pigs both sex, strong in the blood of Big Hadley and A Wonder. Sows and gilts, the big, smooth kind, bred for early litters. Description guaranteed. Call or write **A. R. ENOS, Ramona, Kan.**

DUROC-JERSEYS.
A Fine Offering Bred Sows and Gilts
 Also open gilts and summer pigs. Best of breeding.
R. C. WATSON, ALTOONA, KANSAS.

BIG TYPE DUROCS All kinds for sale. Our customers must be satisfied. We have what you want. Write us. Fall sale Oct 17
MOSEB & FITZWATER, Goff, Kansas.

Royal Scion Farm Durocs
 Fashionably bred Durocs. Spring and Fall boars and gilts by the great Graduate Col. 28219 and Col. Scion 100471. Out of choice dams. **G. C. NORMAN, Route 16, Winfield, Kan.**

BRED GILTS I have an exceptionally fine lot of Duroc gilts bred to my prize winning boars for sale. Also a few top summer boars. Write for prices and description.
CHAS. L. TAYLOR, Olean, Mo.

Perfection Stock Farm
 Nov. boars and gilts, also 80 choice spring pigs, by State Fair grand and reserve champions, Pairs and trios not related. Ship on approval. Prices right. Write your
Geo. M. Glason, Union City, Okla.

HILSIDE DUROCS
 Select young boars and fall gilts. A few good yearlings, sows and gilts, bred or open. Priced for quick sale.
W. A. WOOD & SON, Elmdale, Kansas.

TATARRAX HERD DUROCS
 The finest lot of Fall pigs we ever offered, either sex. Most of them by the Grand Champion Tatar-rax. Bred sows and gilts priced for quick sale.
HAMMOND & BUSKIRK, Newton, Kansas

College Hill Durocs
 Bred sows and gilts for spring farrow for sale. Popular breeding. Farm adjoins agricultural college. Prices right.
W. W. BALES & SONS, MANHATTAN, KAN.

FALL BOARS BY DREXEL'S PRIDE
 the sire of my show hogs. Spring pigs by him and Queen's Wonder 112317, a sensational Crimson Wonder Again yearling. All choice and priced right.
W. T. HUTCHISON, CLEVELAND, MO.

BEAVER VALLEY HERD DUROCS
 Sept. and Oct. boars and gilts bred by Grand Master Col. 2nd No. 94893; Grand Champion of Oklahoma, both 1911 and 1912; Defender's Col. by Defender and Select Col. by Chief Select, the great show and breeding boar. Satisfaction guaranteed. **W. A. WILLIAMS, Marlow, Okla.**

DUROC-JERSEY BOARS
 10 head of well bred Duroc-Jersey boar pigs, healthy, with good backs, feet, head and ears, dark cherry color, of popular breeding and priced reasonable. F. O. B. your station if wanted.
ARTHUR A. PATTERSON, Ellsworth, Kan.

GOOD E. NUFF AGAIN KING 35203 CRIMSON WONDER IV. 43655
 The two great boars of the west head our herd. Choice breeding stock, all ages, for sale. Prices reasonable.
W. W. OTEY & SONS, WINFIELD, KAN.

Bancroft's Durocs
 We hold no public sales. Nothing but the best offered as breeding stock. Tried sows and fall yearlings bred. Spring gilts bred or open. Fall pigs, either sex. Pairs or trios not akin. Prices right. Customers in 6 states satisfied. Describe what you want. We have it.
D. O. BANCROFT, OSBORNE, KANSAS.

Bonnie View Farm
 Duroc-Jerseys: Extra fall pigs. Plymouth Rocks: Eggs in season.
Searle & Cottle, Berryton, Ks.

Quivera Place Durocs
 A few, choice summer boars and gilts, sired by Quivera 106611.
E. G. MUNSELL, Herington, Kansas.

Dreamland Colonel
 Stock for sale at all times. Oldest herd of Duroc-Jerseys in Mitchell county. Address **LEON CARTER, ASHERVILLE, KANSAS.**

HAMPSHIRE.

WRITE J. F. PRICE,
Medora, Kans.
For prices on Pedigreed
Hampshire Hogs

PURE BRED HAMPSHIRE
Breeding stock all sold. Booking orders for spring
pigs.
ALVIN LONG, Lyons, Kansas

Pedigreed Hampshires
of various ages, not a kin. Four boars, 8 months old.
C. E. LOWRY, Sumner County, OXFORD, KANSAS.

Hampshires All Sold
I have sold every sow that we can spare. Am
booking orders for May and June delivery. Low
prices. First orders get March pigs.
T. W. LAVEROCK, PRINCETON, 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

GOOD SOWS BRED

to champions and grand champions. I also
have some splendid fall pigs that I will sell
single or in pairs no kin.

C. G. NASH, Eskridge, Kan.

**BERKSHIRES, SHORT-
HORNS and JERSEYS**

FOR SALE—25 boars by Robinhood Premier 2nd
or Rival's Lord Premier, and out of sows rep-
resenting such sires as Imported Baron Compton,
Berrington Duke and Premier Longfellow.
Also a choice Shorthorn bull calf by Silk Goods
and out of a show cow.

W. J. GRIST, :: OZAWKIE, KANSAS

HEREFORDS.

Klaus Bros.' Herefords!
We offer 16 head of strong, rugged bulls, herd
header material, ready for service, sired by Ful-
filler 3rd, Fulfiller 25th and Beau Onward. Priced
right and worth the money.
KLAUS BROS., BENDENA, KANSAS.

Mathews Herefords

We are offering 20 registered heifers
about 11 months old. ANXIETY 4th blood
predominates.
FRED MATHEWS & SONS, Kinsley, Kan.

Star Breeding Farm

HEREFORDS Headed by Tophon 4th. 90
Bulls, 14 to 30 mos. Single or
carloads. Can spare a few females in lots to suit buyer.
DUROCS Of most fashionable breeding headed
by Model Top 77405. Choice individ-
uals of both sexes for sale at all times.

Sam'l Drybread, Elk City, Kansas

Modern Herefords

ROBT. H. HAZLETT

Hazford Place
Eldorado, Kansas

GALLOWAYS.

G. E. CLARK
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.

Fort Larned Herd

40 REGISTERED BULLS. 20 GALLOWAYS and
20 RED POLLS. 10 to 20 months old. Priced to sell.
E. E. FRIZELL, LARNED, KANSAS

SHORTHORNS.

SHORTHORN CATTLE
POLAND CHINA SWINE and CLEVELAND
BAY HORSES. All stock pedigreed. Prices reason-
able. **Thos. B. Murphy & Sons, Corbin, Kas.**

SHORTHORNS

8 bulls from 12 to 18 months. Roans and reds. Scotch Tops.
Address, **L. M. NOFFSINGER, OSBORNE, KAN.**

Shorthorn Bargain

2 cows, 2 and 4 years old, by Pure Scotch bull, dam
by Scotland's Charm. Both in calf to best roan son
of Ingle Lad. Also 8 months' old heifer calf—all
red. Fine condition. Recorded. Price \$250.
DIETRICH & SPAULDING, Richmond, Kan.

**Pearl Herd of
Shorthorns**

I have a select bunch of young bulls
from six to 20 months old, well bred,
well grown and the making of good use-
ful animals. They are both reds and
roans. Can ship via C. R. I. & P., A. T.
& S. F., U. P., and Mo. Pac. Address

C. W. TAYLOR
ABILENE :: KANSAS

became, long before the end of his useful
life, one of the best known breeders in
America. He early was associated with
the father in breeding, and several cargoes
of sheep were imported to America by them
from England, 1871 to 1874. He settled at
Allerton, Illinois, in 1879, and soon after
became a leading exhibitor of sheep at the
big shows, at the old St. Louis exposition,
the state fairs and continued a prominent
figure in livestock circles until last year.
As a breeder of Shorthorns he had few
equals. As a judge of stock he had no
superior in America. His presence and
counsel on past occasions have been appre-
ciated and will be missed and regretted in
the future by all livestock interests. He
is survived by his wife, two daughters and
five sons. The sons will continue the breed-
ing of Shorthorns and Shropshires, under
the firm name, as before, George Allen &
Sons.

Howell Rees and Sons' Sale.

Shorthorn breeders will be interested in
knowing that Howell Rees & Sons, Pilger,
Nebraska, will hold their next sale of high
class Shorthorns at South Omaha on a day
in June to be announced later. This will
be an opportunity to buy Shorthorns from
the farm that was for several years the
home of the celebrated Choice Goods, the
grand champion bull of the world, the home
of the grand champion cow of the breed,
Ruberta, and from the herd now headed
by the noted Ruberta's Goods, conceded to
be one of the greatest Shorthorn sires
living. The prizes won by Howell Rees &
Sons, on Ruberta's Goods, at the leading
shows including the American Royal at
Kansas City and International at Chicago,
and later wherever shown, on the get of
Ruberta's Goods, are among the remarkable
achievements of Shorthorn breeders in re-
cent years. It is of sufficient interest to
note that the females of breeding age in
the approaching sale will have calves at
foot or are bred to Ruberta's Goods, in
whose veins courses the blood, close up—
not remote—of the greatest individuals the
breed has ever produced, excepting a few
daughters of Ruberta's Goods, which will
be bred to Whitehall Rosedale, the great
prize winning son of the famous Avondale.
Particulars will appear in a later issue. In
the meantime apply to Howell Rees & Sons,
Pilger, Nebr., for the catalogue, kindly
mentioning Farmers Mail and Breeze.

Iowa and Illinois.

BY H. W. GRAHAM.

Singmaster & Son, Keota, Iowa, announce
that some of their very best Percheron stal-
lions are left in their barns. This firm
started in the early season with over 200
imported and home bred stallions and mares
on hand. Write them your wants or visit
them, and kindly mention that you saw
their ad in this paper.

Shorthorn Spring Bull Sales.

Shorthorn breeders and readers of this
paper will be interested in the announce-
ment by the American Shorthorn Breeders'
association that they will hold a public sale
at Kansas City and Omaha early in the
spring, about the 21st and 23d of April.
These dates are not settled on fully, but
these are the dates contemplated. The sale
will be under the management of Abram
Renick, general manager of the association,
but they will not be held unless 100 bulls
or more can be secured. They must be
good growthy bulls of quality for each of
these sales, suitable for breed improvement.
Breeders of Shorthorns having bulls for
sale should get into communication with
Mr. Renick at once by addressing him in
care of the association. Union Stock Yards,
Chicago, Ill.

Kansas and Missouri

BY ED. R. DORSEY.

R. W. Gage of Garnett, Kan., breeder of
O. I. C. hogs, has sold his 1912 supply and
is now booking orders for 1913 farrow. He
never sold more hogs in one year than he
did last season. Mr. Gage is an up-to-date
business man, attends all of the state and
national breeders' associations, reads the
best papers and is a great help to the breed
that he represents.

Breeder Comes to Missouri.

Readers of this paper will be glad to
learn that W. B. Merriman, formerly of
Illinois, has taken up his abode at Utica,
Mo. Mr. Merriman has purchased a fine
farm six miles west of Chillicothe, and
named it Fair View Stock Farm. He is
stocking the farm with 35 Hereford cattle,
25 Percheron mares, imported and home
bred, and with Bourbon Red turkeys. He
is an experienced breeder and handles noth-
ing but purebred and registered stock. He
is a "live wire" in the fine livestock business
and readers of this paper will hear more of
him through its columns as soon as he has
a surplus of stock to offer for sale.—H.
W. G.

Johnston's Twelfth Poland Sale.

On Thursday, April 3, Roy Johnston will
sell 40 head of bred sows and gilts and
some extra good summer and fall boars at
his farm near South Mound, Kan. Mr.
Johnston's offering is the result of 15 years
of constant building by two of the best
hog men in Kansas. His offering is the
kind that develops into 450 and 550 pound
sows and 700 to 800 pound boars. The sows
in the offering come from litters of six to
10 pigs and are the type that will produce
litters of like size. The herd is healthy
and is kept healthy in Mr. Johnston's own
way. You will not have a better oppor-
tunity to buy Poland Chinas this year than
will be offered in this sale. This is one of
the best herds in Kansas and the offering
is up to the average of the herd.

A. G. Dorr's Poultry.

A. G. Dorr, the well known fine stock
and poultry breeder of Osage City, Kan.,
starts a poultry ad in this issue in which
he is offering Rose Comb White Leghorn
eggs at a very reasonable price. From his
first pen headed by Diamond Joe Jr., first
prize cockerel and grand champion silver
medal winner at the Emporia poultry show,
1912, he is offering eggs at \$3 per setting
of 15. Diamond Joe scores 95 points and

Lookabaugh's
SHORTHORNS
Sold on Time at Private Treaty



On six or nine months' time. Yes, the early bird catches the worm.
I mean it. If you can make a good note, write. I want to do an honest
business with honest people. I want to scatter pure Scotch Shorthorns
of the best breeding to be found in the Shorthorn herd books all over
Oklahoma, and we have been doing it, too. Our sales for one week, the
last week in January, 1913, were \$2655.00. I have just got started. I
want you to realize that I am chuck full of business. I don't need the
money. I have Shorthorns of all ages, priced from \$50 apiece up to \$500
and \$1,000. They are cheap at our prices. Why? Because the pur-
chasers say so, by buying. Not one man has come this fall that did not
buy. I want to please you. Give me a chance. A satisfied customer is
a pleasure and a living advertisement. I cannot afford to treat you
wrong. I am anxious for each little herd that I sell to make good.
Why? Because I want to build my business on a solid foundation. That's
why! Let me help you select a few to start with. They make money
while you sleep and in five years, if you sleep that long, you will be
awakened by the cry of "high-priced livestock." Big boned Poland
China hogs and home-grown alfalfa seed in any quantities up to one
carload. Mail orders guaranteed to suit, or animal may be returned if
cared for properly and money will be refunded. Visitors always wel-
come at Pleasant Valley Stock Farm. Write your wants today. Address

H. C. LOOKABAUGH, Watonga, Okla.

Registered GALLOWAY CATTLE
We Breed Market Toppers." **JAS. & W. R. CLELLAND, New Hampton, Mo.**

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.

**Prize Winning Polled
Durhams**

One yearling bull and several bull calves
sired by Roan Choice (Jr. Champion of
1911), also a few young cows and heifers.
All from the greatest show and prize win-
ning herd in Kansas or the West.
C. J. WOODS, CHILES, KANSAS.

ABERDEEN-ANGUS.

ANGUS CATTLE

Bulls and females for sale; singly or in carload
lots. Address **SUTTON & PORTEOUS, Lawrence, Kan.**

RIDGE PRAIRIE ABERDEEN ANGUS

Rutger Heatherson 3d 18104, a choice bred Heath-
erblom, in service. The best families represented. A
few choice cows, bred, and open heifers for sale.
Prices right, satisfaction guaranteed.
W. G. DENTON, DENTON, KANSAS.

DAIRY CATTLE.

HOLSTEINS FOR SALE 50 head registered
bulls. 98 head milking and coming fresh grade heifers and
cows.
M. P. KNUDSEN, Concordia, Kansas

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.

OAK HILL HOLSTEINS

Bulls ready for spring service by Shady-
brook Gerben Sir Korndyke out of A. R. O.
dams. Heifers bred. Also a few fresh
cows. All tuberculin tested.
BEN SCHNEIDER, NORTONVILLE, KAN.

Holsteins For Sale

High grade cows and heifers. About 40
head. Heavy springers from two to five
years old. 15 head coming two years old.
Two fresh this spring and summer. All bred
to registered bulls. Also bulls, high grade
and registered. From 4 to 12 months of age.
These are all highly bred dairy cattle and
fine young stuff.
IRA ROMIG, Station B, TOPEKA, KAN.

DAIRY CATTLE.

HOLSTEINS—CHOICE
BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

LINSCOTT JERSEYS

Only officially tested herd in Kansas. FOR SALE:
A two-year-old Eminent bull, \$125. A two-year-old
bred heifer \$125, cows \$150.
E. J. LINSCOTT, HOLTON, KANSAS



They Keep It Up

There are some cattle that give more
milk when they are fresh than a Jersey,
but there isn't any breed that gives as
rich milk as

The Jersey

at as small feeding cost, nor is there
any breed of cattle that will keep it up
like Jerseys will, year in and year out.
That's why you ought to buy Jerseys to
increase your herd's efficiency. Send
for Jersey facts.

AMERICAN JERSEY CATTLE CLUB
324 W. 23d St., New York

RED POLLED CATTLE.

Foster's Red Polls

Write for prices on breeding stock.
C. E. FOSTER, R. R. 4, Eldorado, Kansas.

Angus Bulls For Sale

M. H. ARNOLD, TORONTO, KANSAS.

RED POLLED BULLS

and heifers by Actor 7781 and Launfal 13221. Cows large,
plenty quality, represent best milking families. Also large
type POLAND CHINAS. Eigs. Write or come.
CHAS. MORRISON & SON, Phillipsburg, Kan.

JACKS AND JENNETS.

Jacks and Jennets

One of the largest selections of large
Black Mammoth Jacks in the West. 15 to
16 hands standard. I have the large kind
that all are looking for; the kind that
bring the large high-class mule. Refer-
ence: the five banks of Lawrence.

AL. E. SMITH, LAWRENCE, KANSAS.

Jacks and Saddlers

45 of the biggest bone and best Mammoth Jacks
in Kentucky. Saddle stallions, mares, colts and
fillies. Write for catalog and visit the Cloverdale
Farm. **H. T. BROWN & CO., Lexington, Ky.**

JACKS AND JENNETS.



50 Registered, big-boned, black JACKS AND JENNETS
from colts to 16 hands high; fine body and style, best breeding. A certificate with each animal sold. Jacks, prices and terms right. Nothing better for Oklahoma and Texas as they are acclimated here.

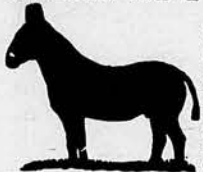
KINGFISHER VALLEY STOCK FARM,
J. H. Smith, Proprietor, Route 3, Box 17, Kingfisher, Oklahoma.

Mammoth Jacks and Jennets For Sale

From 2 to 5 years—big boned, black Jacks with white points. 15 to 16 hands high. No better bred ones in the country. All of our Missouri, Illinois and Iowa prize winners for sale. Been breeding jacks for 30 years. Mention this paper and write or come to

DEIERLING & OTTO, QUEEN CITY, MO.

JACKS AT PRIVATE SALE



If you want the good kind, come to one of the oldest breeding barns in the state, where you will find the large, big boned, black fellows that will do your country good, at prices you can afford.

G. M. SCOTT, Rea, Mo.

Jacks for Cash or Trade

Two Mammoth bred Jacks, 4 and 5 years old. Will sell, worth the money, part terms to right party, or trade for good mares or pure bred or high grade cattle. Address

D. F. McALISTER, Severy, Kansas



20 Jacks

Coming one to seven years. The big, rugged kind. Can sell you tried jacks, show jacks or herd headers worth the money. Everything guaranteed as represented.

H. T. HINEMAN, Dighton, Kan.

Oakland Stock Farm

The jacks on this farm are all raised there. This is strictly a breeding farm, and not an assembling place of other people's breeding. Five went out last week, with 25 more still there. We sell the good ones cheaper than anybody, because we raise them. Every jack is guaranteed a breeder. If he is not a breeder he isn't worth thirty cents, and the man who raises him should lose him and not the buyer. Will sell them from \$400.00 up; cash or time.

OAKLAND STOCK FARM, Chillicothe, Mo.

JACKS AND JENNETS

20 head good black jacks for sale, ages from 2 to 5 years; large, heavy-boned, broken to mares and prompt servers. Prices reasonable. Come and see me. Barns 2 miles of town.

PHIL WALKER, Moline, Elk Co., Kan.

Leavenworth County Jack Farm



40 jacks and jennets for sale, 3 to 8 years old. Of good quality, bone and substance. Write for prices or come and see them.

Corson Bros., Potter, Kan.

PUREBRED HORSES.

The Best Imported Horses One thousand each. Home-bred registered draft stallions—\$250 to \$650 at my stable doors.

A. LATIMER WILSON, CRESTON, IOWA.

Percherons--Red Polls

I will sell several choice Percheron stallions, Blacks and grays, of serviceable age (3 to 6 years), weighing from 1800 to 2200 lbs. and broke to service. Also a fine bunch of choice

RED POLLED BULLS

16 to 36 months old, good ones, all fully guaranteed and priced low for next 30 days. Address

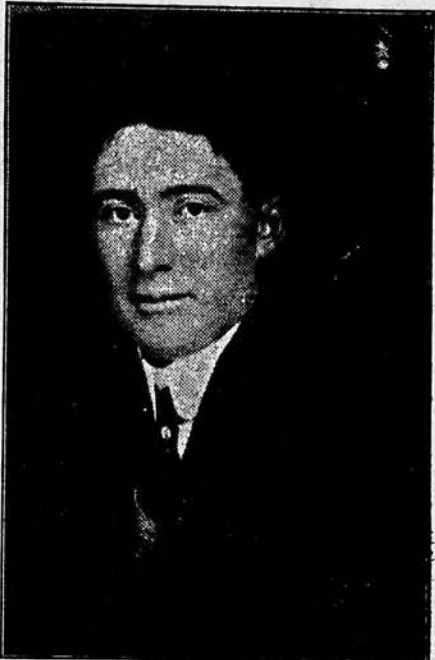
CEO. W. SCHWAB, Clay Center, Neb.

FOR SALE AT Riverside Stock Farm 10 Head of Young Registered STALLIONS

4 head of Percherons coming 3 years old, weighing from 1650 to 1800 lbs. Any one will make ton horses. 4 head coming 2 years old; all black, weighing from 1500 to 1600; when matured will weigh from 2000 to 2200. They are the big bone kind. 2 standard bred stallions that weigh 1250 and 1280 lbs. 3 head of young Mammoth bred jacks from 15 to 15-1-2, well broke. All these animals will be sold cheap for the quality. Pedigrees and breeding quality guaranteed.

O. L. Thisler & Sons, Chapman, Kan.
150 miles west from Kansas City, Mo., on the main line of the Union Pacific R. R.

to him are mated 10 pullets that score from 93 to 94. Mr. Dorr's utility flock is headed by first and second prize cockerels at both Newton and Emporia shows; also prize winners at Topeka and Hutchinson State Fairs. These cockerels score from 92 to 93 points. The eggs from this flock are offered at \$1 for 15 or \$5 per 100. See Mr. Dorr's ad in this issue and write him for what you want.



The above portrait is that of C. H. Hay, superintendent of the purebred business at the Deming Ranch, Oswego, Kan. Mr. Hay was born and raised at Baileyville, Nemaha county, Kansas, one of the best and foremost agricultural counties in the state. After attending high school at Savannah, Ill., he took up a business course, completing same in 1903. He then started in the purebred stock business and maintained an excellent herd of his own until a little over two years ago, when he took his present position with Deming Ranch, as manager of the hog department. Mr. Hay is widely known among breeders and stockmen, having spent most of his life in the breeding, feeding and marketing of cattle and hogs. Besides his position, Mr. Hay has a nice little farm at Cherryvale, Kan., and looks after same as a side line. Mr. Hay is a gentleman in every respect and the Deming Ranch was very fortunate in getting as competent a man to look after the livestock department and we predict with such a manager backed up with the capital that is back of this, the greatest farm in Kansas, that it will also become one of the greatest and widely known stock farms in the Central West.

W. H. Bayless-Dero & Co.'s Sale.

As this was the first sale W. H. Bayless-Dero & Co. of Blue Mound, Kan., have ever held and in fact one of the first Belgian stallion and mare sales ever held in Kansas, the result is certainly gratifying to these importers. Many of the offerings were only yearling fillies but they sold 20 head for \$17,400 or an average of \$870 each. Like all sales some went for less than first cost. Model 4442 (48874) topped the sale at \$2,000 and Bert Taylor of Frederick, Okla., is the proud owner. Mr. J. B. Alton of Selma, Kan., paid the second highest price for a very fine 2-year-old stallion that was not cataloged and sold as No. 22½, imported Belgian, for \$1,720. Buyers from four or five states were present. They also sold five Percheron stallions, extra fine, for \$3,215 or an average of \$643. The crowd appeared to be much in favor of the Belgian horses. Col. Clyde Robbins of Butler, Mo., made the sale. It has been a long time since we have seen so much eagerness on the part of the buyers as there was at this sale. In fact not one of us ever saw a better lot sold in any sale. Following is a representative list of sales.

BELGIANS.

Model, Bert Taylor, Fredrick, Okla.	\$2,000.00
Ami DePuers, Ragen Hickman, Hickman Mills, Mo.	510.00
Buffalo DeBruchom, Bert Witt, Fulton, Kan.	370.00
Special, to S. S. Mouse, Le Cygne, Kan.	1,600.00
Marquise D'Oultre, Ragen Hickman, Hickman Mills, Mo.	525.00
Prince, Hall Bros., Devon, Kan.	850.00
Talentine DePuers, Anderson & Eastwood, Gas City, Kan.	710.00
Jean DeFeley, Jas. Godman, Devon, Kan.	640.00
Joseph DeBruchon, C. F. O'Dell, Northcot, Kan.	925.00
Special, to W. J. Strong, Moran, Kan.	810.00
Special, Ragen Hickman, Hickman Mills, Mo.	480.00
Partille D'Esclatire, E. W. Breckinridge, Olathe, Kan.	605.00
Mina De St. Pierre, E. W. Breckinridge, Olathe, Kan.	610.00
Perette D'Herines, Peter Noble, Blue Mound, Kan.	775.00
Russette DeChimeon, Peter Noble, Blue Mound, Kan.	775.00
Marquise Labian, C. A. Goit, Mound City, Kan.	785.00
Flora 2d DeWacht, Anderson & Eastwood, Gas City, Kan.	410.00
Marian DeBaas, E. W. Breckinridge, Olathe, Kan.	410.00
Blossom, Mr. Gingham, Blue Mound, Kan.	325.00
Special, J. B. Alton, Selma, Kan.	1,720.00

PERCHERONS.

Jonas, Bert Taylor	800.00
Special, Ragen Hickman	400.00
Kontakt, Levi Shephard, Kincaid, Kan.	790.00
Special, Wm. Campbell, Bronson, Kan.	810.00

PUREBRED HORSES.

Good Percheron Stallions, Holstein-Friesian Bulls prices right. **H. N. HOLDEMAN, Meade, Kan.**

200 Percherons Stallions and Mares For Sale. **Singmaster & Son, Keota, Iowa**

Truman's Pioneer Stud Farm

America's Largest Importers

Shire, Percheron and Belgian Horses
Write for Illustrated Catalogue.
TRUMAN'S, Box E, BUSHNELL, ILLINOIS

PUREBRED HORSES.

Clydesdale Stallions and Mares
I have a number of Clyde Stallions, many of them of my own raising, that I will sell at less than ½ of the regular importer's prices. **R. O. MILLER, LUCAS, IOWA.**

200 Percherons Stallions and Mares For Sale. **Singmaster & Son, Keota, Iowa**

STALLIONS and JACKS

Percherons and Belgians, also Mammoth Jacks and Jennets. State Fair winners and all at prices that will move them. Write today describing your wants.
C. F. COOPER
R. 4, Box 4, Hutchinson, 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.

Percheron, Belgian, Shire and Coach Stallions and Mares

15 years in the horse business. Never had a law suit, have never sued a man for collection. Each sale is accompanied with a genuine good guarantee from Nolan. Our horses are from one to five years old.

J. M. NOLAN, PAOLA, KANSAS



They Are So Different!

All Imported, both PERCHERONS and BELGIANS. Last importation arrived Sept. 1st. The selects of both countries. I buy my own horses. All sound, big, flat boned. Ages, two and three years. Prices reasonable. Perfect guarantee goes with each horse and for two years at that.

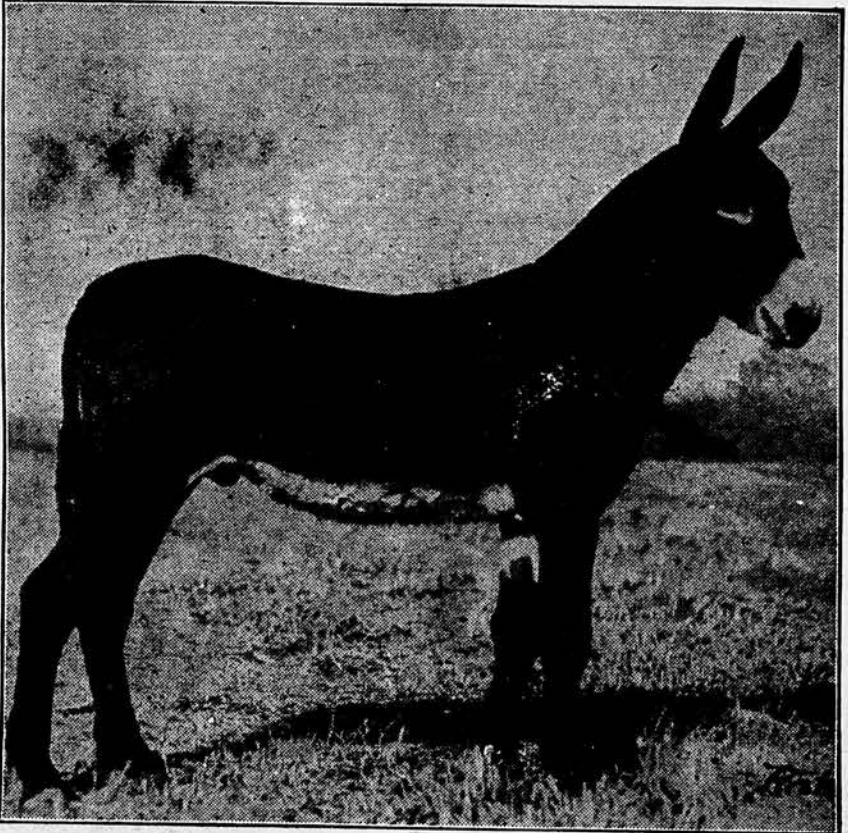
W. H. RICHARDS, V. S., (Stables in the City) Emporia, Kansas

Imported Stallions: Percheron, Shire, Belgian

Each year we show our New Importation the same Month they land. Each year they win more than all other Exhibitors combined. At the American Royal this year, we won 2nd on 4-year-old Percheron, 1st, 3rd and 4th on 3-year-old, 1st and 3rd on 2-year-old, and 1st and Champion Group of Five Stallions. Our Horses are Handsome and the best to buy; Our Guarantee and Insurance the very best.

PERCHERON IMPORTING CO., Chas. R. Kirk, South St. Joseph, Mo.

Bargains in Jacks



17 head Mammoth bred, registered Jacks, right from Poplar Plains, Kentucky, from 3 to 6 years old with plenty of bone and quality. To be sold at private sale at

SALINA, KANSAS

We bring Jacks to Kansas every year and always keep our old customers. These Jacks must be sold at once. Come quick and get your choice at a bargain.

SAUNDERS & MAGGARD

25 Percheron Stallions

At Greatly Reduced Prices

25 SERVICEABLE AGE STALLIONS AT BARGAIN PRICES FOR THE NEXT 40 DAYS. If you are in the market for a stallion come and see them. We sell you MORE HORSE FOR THE MONEY than any other firm in the United States.

BISHOP BROS., Box A, Towanda, Kan.

Oldenburg German Coach Horses

We are the oldest and largest breeders of the Oldenburg German Coach Horses 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.**

Mammoth Jacks, Percheron Stallions

33 Head of Jacks and Percherons

The Jacks are 3 to 6 years old and from 15 to 16 hands high.

Percherons are from 2 to 6 years old and weigh from 1500 to 2000 lbs.

We have the kind that will please you.

Write for prices before you buy. Farm and sale barn on 21st Street, mile east of Wichita Union Stock Yards. Write today.

J. C. KERR, Wichita, Kansas

ROBISON'S Percherons

One hundred and fifty Registered Percherons Stallions, Mares and Colts. Fifty imported. All for sale.

J. C. Robison, Towanda, Kan.



Percherons and Royal Belgians



We have decided to offer all of our state fair prize winners, 22 stallions and mares for sale. Every one of these horses has been shown and has been a prize winner at the shows of 1912. These stallions and mares will be sold at exceedingly low prices, quality considered.

We are showing some other good stallions and mares, which we offer at prices that defy competition.

We earnestly request you to look over our stallions and mares, before buying.

True photos from life on application. Address

WOLF BROS., ALBION, Boone Co., NEBR.
IMPORTERS and BREEDERS

4 Black 2-year-olds imported by us in 1912.

Stallions and Mares at Bargain Prices

Percherons, Belgians and Shires

95 Head of Stallions and Mares

Forty Percheron Stallions, 2 to 4 years old, blacks, greys and a few bays all registered in the Percheron Society of America. Several of these 2 year olds will now weigh 1,800 to 1,950. Price \$500 to \$1,000. Three, a little higher.

Fifteen Belgian Stallions, 2 to 5 years old, bays and sorrels. Two-year-olds that are weighing a ton. Price, \$500 to \$1,200.

Thirty Percheron Mares 2 to 8 years old; blacks, bays and greys, all registered in the Percheron Society of America. Twenty-two showing heavy in foal. Price, \$300 to \$700.

Ten head Shire Stallions and Mares I will sell at bargain prices.

All of these Stallions have been examined and found to be of pure breeding and sound and certificate as such will go with each horse; if you want a real bargain in an imported or American bred Stallion or Mare come right away as I mean business.

L. R. WILEY, Emporia, Kan.

Lamer's Percherons

A choice lot of Stallions and Mares to select from. Owing to this time of season, we are quoting prices that will certainly interest you.

Inquire about them



C. W. Lamer & Co.
Salina, Kansas

North & Robinson Co. ANNUAL SALE March 20 and 21, 1913 Grand Island, Neb.

Sixty-five head of Percheron, Belgian and Shire stallions and mares. Twenty-five stallions from one to six years of age.

Matured stallions, ranging in weight from 1,800 pounds to 2,200 pounds, each, with plenty of bone and good conformation.

A great many of these young stallions were raised on our ranch at Bridgeport, Nebraska, where they had thousands of acres to roam on, at will, where they could develop as nature intended.

Buy one of these horses and you will get a breeder. We sell our horses with a sixty per cent breeding guarantee. It's safe to guarantee these ranch raised horses.

The two-year-old stallion, Adelbert, No. 80959 is sired by The Champion Olbert 42815 (53109), Seventy-two of his get have won first and sweepstakes prizes. A great many good horsemen think Adelbert will develop into a bigger and better individual than his sire. Adelbert now weighs 2050 pounds and is not burdened with fat. His dam is Victory, 60669, by Philbert (44290).

There will be a great many young stallions in this sale that are good enough to head any herd.

We have the heaviest and best bunch of mates that was ever sold in an auction ring. There will be twelve mares in this sale that will weigh sixteen tons. We are selling these mares as an advertising medium, to establish the fact that we are breeding and raising some of the best horses in the world.

Mr. Wayne Dinsmore, secretary of The Percheron Society of America, has informed us that he will attend this sale and would be pleased to meet the Western Breeders.

There will be eight head of good Shire mares sold in this sale. Send for catalog.

NORTH & ROBINSON CO.
GRAND ISLAND, NEB.

COL. Z. S. BRANSON, Auctioneer.

BUSTED!

ROOFING LUMBER

Our Great 1913 Announcement

You can order a complete carload of material including everything you need to construct a building and we will ship it forward to you without you paying us a cent down

PRICES No Money Down

WIRE and FENCING BUILDING MATERIAL

Write Us for Our Liberal Terms

You are safe when you deal with us. Our capital stock is \$2,000,000.00 and 20 years of honest dealing have earned a place for us in the public confidence that is unquestioned.

Lumber Prices S-m-a-s-h-e-d

Yes, we mean smashed. Absolutely busted to pieces. That's our policy. We quote prices on lumber that will positively save you big money. If you will send your lumber bill we will send you a freight paid estimate that will mean a saving to you of from 30% to 50%. Every stick is absolutely first class, brand new and fully up-to-grade such as you would buy from any reputable house in the United States.

We have determined that the year of 1913 is going to be the Banner Year in our great lumber department. We have on hand 20,000,000 feet of high-grade lumber suitable for the construction of buildings, no matter for what purpose intended. Come to our great yards in Chicago and let us show you this stuff actually in stock. No other concern in the world has a more complete stock of everything needed to build, whether Lumber, Shingles, Structural Iron, Plumbing, Heating, Doors or anything else that you may need. Do you know that lumber is getting scarcer and scarcer every year? Yet our prices are lowest and will continue so until our stock is gone. WRITE TODAY.

Shingles at Big Saving

We have a special lot of 1,000,000 5 to 2 Common Clear Shingles coming in, on which we are making an exceptionally low price of \$2.47. Other grades at lowest prices.

This Door at 98c

Lot MS-59. Four panel painted door, size 2 ft. 6 in. x 6 ft. 6 in. 1200 in stock. A high quality door for the price. This is only one of our many special bargains. Our grand Building Material Catalog and Bargain Sheets will show a full line of inside millwork of all kinds.

Free Building Book

A 200-page Book of Bargains in Millwork, Building Material of all kinds, including Paints, Plumbing, Heating, Structural Iron, Metal and Composition Roofing, Hardware, Carpenter's and Blacksmith's Tools, Wire Fencing. No prospective builder should be without it. It is Free.

Smash Go WIRE and FENCE Prices

BARB WIRE Less Than 2c Per Rod

Now galvanized, heavy weight barb wire, put up on reels about 100 lbs. to the reel. Lot 2-AD-25 per 100 lbs. \$1.05. Galvanized barb wire, light weight, first grade, best made, put up exactly 80 rods to reel, 2-point barbs. Lot 2-AD-25, per reel, \$1.40.

Wire Nails, Per Keg, \$1.50

10,000 kegs, put up 100 lbs. to the keg mixed, all kinds to gether, regular nails, such as made by nail factories. Lot 2-AD-33, price per keg, \$1.50. 1,000 kegs of 10 penny weight regular new wire nails, 100 lbs. to the keg, while they last, per keg, \$1.05. Write for our free Wire and Fence Catalog. Gives valuable information to any land owner. Fill in the coupon below.

Smooth Galvanized Wire Per 100 Lbs. \$1.25

It is suitable for fences, stay wires, grape vines or for any ordinary purpose where wire is used. This galvanized wire is irregular in length—it ranges anywhere from 50 to 250 ft. \$1.25 is our price for No. 6 gauge. Other sizes in proportion.

15c Per Rod Buys Best Hog Fencing

Here is another one of our remarkable bargains. A high grade, strictly perfect fence, made of No. 6, 11 and 12 wires, perfectly adapted for hogs and general farm purposes, 26 in. high, square mesh, put up in suitable size rolls. Lot 2-AD-31, price per rod 15c. Other heights in proportion. Staples, 100 lbs. \$1.75.

BEST QUALITY READY MIXED PAINT

Our paint department is under the personal supervision of Mr. V. V. Michaelson, for 30 years the foremost paint man in America. His picture has appeared on over 8,000,000 cans, and his name is known from ocean to ocean. Paint of quality is his specialty. Every gallon has our strongest guarantee. Our Ready Mixed Paint at five a gallon will outlast any similar paint produced. If you want quality paint, write or write to Mr. Michaelson if you prefer. Finest, most valuable paint book ever published sent FREE. Send coupon.

Fill in This Coupon

CHICAGO HOUSE WRECKING CO., Dept. AG 57, Chicago.
Send me free of cost the following catalogs. (Place an X mark in square opposite the catalogs you desire)

- | | |
|--|--|
| <input type="checkbox"/> Catalog of 50,000 Bargains | <input type="checkbox"/> Building Material |
| <input type="checkbox"/> Plan Book of Houses & Barns | <input type="checkbox"/> Roofing, Siding and Ceiling |
| <input type="checkbox"/> Wire and Fencing | <input type="checkbox"/> Plumbing & Heating |
| <input type="checkbox"/> Paint | |

My Name is.....

My Address is.....

County.....State.....

R. R.....P. O.....

You can buy a carload of Building Material from us without paying us one cent in advance. All we want to know is that the money will be paid us as soon as the material is received, unloaded and checked up. Our terms are more liberal than anyone else offers.

EXPLANATION

Why We Are Called the "Price Wreckers"

CONSIDER what becomes of the stock of goods when a manufacturer, jobber or big retail merchant goes bankrupt, or "busted" as the saying goes. In the year 1911 ten thousand merchants met with financial distress—that's why the Chicago House Wrecking Co. exists. If the stocks offered are sufficiently large, if the goods are new, clean and desirable, they find their way naturally to our 40 acre plant for distribution, at a small added profit to our hundreds of thousands of customers, who, in this way get wonderful bargains.

In many cases our prices do not represent the original cost of production. There is not another concern on earth that can meet our prices, simply because no other concern has the buying and economical distributing facilities which we enjoy. It is only natural therefore, that we have become known as "Price Wreckers".

Where Your Dollar Does Double Duty

Every time you buy from us, your dollar takes on an increased purchasing power. We are the safety valve between the public and high prices. We recognize no Trusts or Associations—our methods are along original and unique lines. We are not plodders—we are merchants in the fullest meaning of the word, and the wise public have not been slow in realizing our position in the world.

Our great plant at 35th and Iron Sts. is a Mecca for the people of Chicago and surrounding country. Thousands of visitors from every part of the country make a yearly pilgrimage to our institution, and many their yearly supplies. Are you getting all the benefit that you should from this excellent opportunity? We urge you to learn more about the wonders of our plant, and the opportunities that we afford when you deal with us. You get full value for your money. There is nothing fanciful about our methods—we are just straight, clean business men.

WE SELL PRACTICALLY EVERYTHING

Our stock includes practically "everything under the sun". It's in truth, from a needle to a locomotive. No matter what your vocation, or what position in life you occupy, or what your business, or how great a merchant you are, you have use for us, and we have the goods that you can buy from us to a decided advantage. The quicker you learn to recognize this fact, the sooner you will be "putting money in your pocket".

Our stock includes Building Material, Lumber, Roofing, Siding, Doors, Millwork, Wire and Fencing, Hardware, Plumbing Material, Heating Apparatus and Supplies, Furniture, Household Goods, Rugs, Stoves and everything needed to furnish or equip your home, your club or hotel. It includes Groceries, Clothing, Dry Goods, Boots and Shoes, Furnishing Goods, and every single article to clothe a man, woman or child. It includes Sporting Goods, Fishing Tackle, Hunting Outfits, Tents, Guns, Harness and Vehicles, Jewelry, Sewing Machines, Clocks, also structural iron needed in the construction of buildings, bridges, etc. Machinery, gasoline, gas and electric power outfit. In fact you cannot think of a single manufactured article that we cannot supply you at a saving in price. Let us convince you—it means but little effort on your part to prove the truth of all we say. Write us today for our Catalogue and literature. Fill in the coupon shown below.

SPECIAL SALE

Freight Paid Prices

Send Us Today Your Complete List of Lumber and Building Materials for Our FREIGHT PAID PRICES.

\$8.50 for a High-Grade, Sanitary, Complete Closet

Syphon acting, vitreous bowl, hardwood seat and cover. Low down, latest style, copper lined tank. Outfit is Lot 5-AD-105.

1 1/2 H.P. Gasoline \$24.75

The lightest, strongest and most compact Gasoline Engine ever produced. Thirty days' free trial. It is 4-cycle, self-contained, horizontal, hopper cooled; on heavy wood skids, with battery box, shipped complete, w. 250 lb. Has automatic governor. Easy to start. Send for Special Gasoline Engine Catalog.

Kitchen Cabinet \$17.35

\$30.00 VALUE. Every Good Feature Known. See our free big book.

\$13 Buys Complete BATHTUB

This is a white enameled, cast iron, one-piece, heavy roll rim bathtub, fitted with the latest style nickel-plated trimmings, including Puller double bath cocks for hot and cold water, nickel-plated connected waste and overflow, and nickel-plated supply pipes. It is 6 ft. long and is good enough to answer the needs of any man. Lot 5-AD-101.

Hot Water Heating Plants

We are headquarters for steam, hot water and warm air heating plants. They are suitable either for new or old homes. It is easy to install one of these plants in your old building. For this great Fall Sale of ours we are offering a warm air heating plant large enough for the ordinary 6 room house, with all necessary plans and complete instructions for installing, for \$45.00.

Iron Pipe and Fittings

Good iron pipe in random lengths complete with couplings, suitable for gas, oil, water and conveyance of all liquids, size 3-8 to 12 inches. Our price on 1-in. per foot \$1 1/4 inch at 4c per foot. Complete stock of valves and fittings. Send us your specifications.

Rugs at 75c

We bought at New York Auction an enormous stock of high grade, brand new rugs and floor coverings. We buy American made or Extra grade. This is a sample of our money-saving bargains. Write for our complete Free Rug Catalog, showing actual colors and designs.

FURNITURE

We are the World's Largest Headquarters for the outfitting of your home, club, or hotel, from the very latest to the finest. An assortment of things such as will be found in no other institution in the land. Write for free copy of our Furniture and Household Goods Catalog.

\$725 Buys the Material to Build This House

This is Our House No. 6A. A beautiful up-to-date full 2 story, 7 rooms and bath, home. Has been sold over 400 times. Copied and imitated all over the U. S., but our price and quality cannot be equaled. The price is easily 25% to 50% below local dealer's prices. Immediate shipment right from our Chicago stocks, where you can come and see it loaded. NO MONEY DOWN. \$2.00 buys perfect Blue Print Plans, complete specifications and detailed descriptive material list, with a refund of \$1.50 if you do not like them.



Our House No. 6A.

ORIGINAL METHODS

We are the originators of a system of selling practically complete Houses direct to the consumer, at a great saving.

We eliminate all in-between profits. We sell and ship direct to you from our own stocks. Great care and study has been given all our Plans. Economy is the watch-word both in materials and construction.

No Worry No Loss

No Waste

Our Binding Guarantee both as to quality and quantity goes with every sale. Write us for letters from people in your vicinity who have bought from us. We have thousands of unsolicited testimonials.

Special Information

If you intend building, you will lose money if you don't write us at once. Tell us what you want. We will answer you promptly and give you valuable information regarding building. Send rough pencil sketch showing the kind of house you want. We will make you a freight paid price that will save you big money on material necessary to build same. Every stick first class. If you intend to make improvements, write us today to send you this wonderful money on your purchases.

Our FREE Book of Plans

Our Book of Plans contains 100 Designs of different kinds of buildings. Everything from a 2 room Cottage for \$137.50 to the finest kind of a 10 room residence. It is a completely illustrated showing the floor plans, prices, lumber, millwork, plumbing, heating, paint, etc. And it's free.

Smash Go ROOFING PRICES

Galvanized Steel Roofing is Fire, Water and Lightning Proof

We bought 20,000 squares of this Corrugated Iron Roofing, which we offer at this remarkably low price. It is new, perfect, and first-class, but light weight. The sheets are 22 in. x 14 in. corrugated. Our price of \$1.25 per sq. is f.o.b. cars Chicago.

When ordering this item, specify Lot No. AD-100. This is not galvanized, but black steel roofing. Write us today for our special FREIGHT PREPAID PRICE! on new, galvanized roofing. We are offering prices lower than ever before offered in the roofing business. Galvanized roofing at \$2.50 per square and up. Ask for free samples.

62 CENTS PER 108 SQUARE FEET BUYS BEST RUBBER SURFACED "AJAX" ROOFING

Here again we show the lowest price ever known for roofing of quality. This smooth surfaced roofing we are offering is our one-ply "Ajax" brand, and the price includes necessary cement and caps to lay it; this price is f.o.b. Chicago; at 75c per square, we pay the freight in full to any point East of Kansas and Nebraska and North of the Ohio River. Prices to other points on application. roofing is guaranteed to wear as long and give as good service as any Ready Rubber Surfaced Roofing on the market. It is put up in rolls of 108 square feet, and contains 3 to 4 pieces to the roll.

We have other grades of Ready Roofing, which we offer at prices easily 30 per cent below regular quotations. Write to-day for free samples and Roofing Catalog. Fill in the coupon.

50,000 Bargain Catalog FREE

Greatest of all bargain books is our Great Wonderful "Price Wrecker". It is a book of 1000 pages, with wonderful illustrations, and with clear, frank statements explaining exactly the nature of the goods we have for sale, and quotes them at the lowest possible prices. It is a book of real merchandise truths—tells you the facts so plainly that you cannot misunderstand us.

Our business is founded on truth and virtue. We want satisfied customers—we need you every day in our business, we treat everyone as our neighbor, and we are the only customer on our books, and this great 1000 page "Price Wrecker" of ours is our best and truest friend. If you have a copy in your possession, you fail to understand fully how to buy goods. It will make you wise to prices that others pay, and if you haven't a copy, then it is time for you to get busy, and write us today to send you this wonderful Catalog of ours. Fill in the coupon.

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