

THE FARMERS MAIL AND BREEZE

Volume 43

August 2, 1913

Number 21



Model School Building and Community Center in District No. 46, Sanger County. See Page 48

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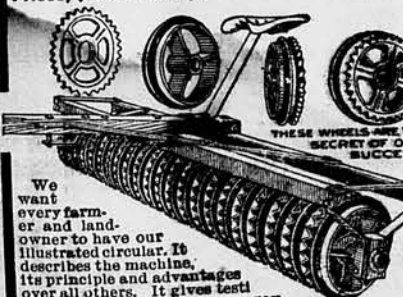
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CROPS and FARM WORK

(Crop Reporting Service of Farmers Mail and Breeze.)

A feed shortage next winter seems inevitable for the western half of Kansas. There is still a chance for forage but grain in sufficient quantity is out of the question except in scattered localities. A report from Russell county states that most farmers out there will have nothing but wheat straw for feed. C. D. Foster of Ness says there is enough old feed left to meet local needs in case of a mild winter. In those sections of Kansas where the corn crop will be a failure dry weather will be to blame. In Cotton county, Oklahoma, part of the crop has been abandoned on account of weeds. If it isn't one thing it's another.

Only half a dozen southeastern Kansas counties had anything like normal rainfall during July. Last month was the driest July in Kansas since 1887. At Manhattan, only July, 1874, the grasshopper year, exceeded July, 1913, in dryness.

Although hard on growing crops, this has been a fine threshing season and only a small per cent of grain remained unthreshed August 1. Yields of wheat reported this week are generally good, ranging from 2 to 51 bushels. The latter report comes from Washington where a 100-acre field averaged 50 bushels. In Smith county the crop is running 12 to 35 bushels, Russell 2 to 12 bushels, Miami 0 to 40 bushels, Lyon 25 bushels, Brown 24 bushels, Woods county, Oklahoma, 4 to 22 bushels, Caddo 10 to 12 bushels, Woodward 10 bushels.

In Ness and Grant counties in Kansas the grasshoppers are thinning out.

In Decatur county wheat and corn are selling at the same price—70 cents a bushel.

KANSAS.

Grant County—No rain since July 4 and then only in north part of county. Corn prospects poor generally. With rain soon will have a lot of fodder and milo. Grasshopper pest abating. Stock doing well.—J. L. Hippie, July 26.

Decatur County—Threshing has begun and wheat making from 2 to 8 bushels. Quality is good. Corn badly damaged by dry weather. No rain since June 29 except a few light showers. Pastures drying up. Wheat 70 cents, corn 70, butter fat 22.—G. A. Jern, July 26.

Miami County—Still warm and dry but had light showers first of week. Dry weather and bugs have damaged corn about 50 per cent. Wheat making from nothing to 40 bushels. Pastures short. Cowpeas doing well and quite an acreage planted.—L. T. Spedman, July 26.

Jewell County—No rain since June 6 and all vegetation drying up. Corn is ruined and must have rain soon to get fodder. Feed at a standstill. Outlook for feed most discouraging in years. Hogs \$8.40, corn 65 cents, butter fat 23.—S. C. DePoy, July 26.

Russell County—Still dry and windy. Some farmers plowing and the rest waiting for rain. Wheat making from 2 to 12 bushels. Threshing will be finished in about two weeks. Most farmers will not have a load of feed except wheat straw.—Mrs. Fred Claussen, July 26.

Linn County—Had 1½-inch rain July 16 and corn is in fine condition. Kafir prospects fair. Some good flax crops reported. Prairie hay will make fair yield. Several silos put up. Chinch bugs have done but little damage except in a few sections.—C. T. Baker, July 19.

Jackson County—Weather very dry and early corn damaged. Rains soon would benefit late corn. Bugs are injuring corn. Wheat being threshed from field, yielding well. Pastures getting dry and stock water scarce in some places. Wheat 75 cents, corn 65, oats 35.—F. O. Grubbs, July 23.

Bourbon County—No rain here to speak of from June 30 to July 23 when we had 1½ to 2 inches. Corn badly damaged and will make from nothing to half a crop. Meadows and pastures short, and stock water scarce. The rain will change conditions very much.—W. W. Orr, July 24.

Washington County—Still dry but weather has been cooler for 10 days. Early corn badly damaged but if we get rain soon late fields may make a good crop. Wheat making as much as 51 bushels near Hanover and 100-acre field averaged 50 bushels. Oats yielding up to 42 bushels.—Mrs. P. S. Jey, July 26.

Ness County—Light, local showers this week have pulled temperatures down a little. Hoppers thinning out somewhat but still working on the few patches of green stuff left. Considerable old straw and some feed left from last winter and in case of a mild winter we will make it all right.—C. D. Foster, July 26.

Brown County—No rain for six weeks. Farmers plowing for wheat but ground is very dry. Some reports say corn is damaged 20 per cent. Wheat averaged about 24 bushels, oats 25 to 50. Pastures dry and creeks have stopped running the first time in 15 years. Wheat 72 cents, corn 55, oats 30, cream 23.—A. C. Dannenberg, July 27.

Logan County—Still dry here. Feed will be short and everything else gone. Full sales have begun and this county will lose more people. Hoppers have been bad. The county spread a carload of hopper poison.

Twenty more cars might have done some good. The last four years have not been good for the tenderfoot.—A. O. Brooking, July 26.

Sherman County—Wheat and barley in stack but half was mown for feed. Forage crops at a standstill. No rain for a month. Corn tasseling out waist high and with rain soon would still make fair crop. Threshing will begin next week. Buffalo grass dry but good and stock doing nicely. Corn 70 cents, wheat 90, butter fat 23.—J. B. Sherman, July 26.

Lyon County—Light showers each week help keep corn and other crops from burning. Corn already injured. Wheat averaging about 25 bushels. Most farmers threshing from field. Pastures drying fast. Kafir and cane standing dry weather much better than corn. Will not have half a crop of apples. Wheat 73 cents, corn 68.—B. R. Griffith, July 26.

Smith County—Extreme dry weather continues. Conditions in north half of county better than in south part. On south side corn is "all in" but large enough to make considerable feed. Pastures dry and wells drying up. Wheat yielding from 12 to 35 bushels and threshing nearly finished. Tests run 60 to 64 pounds. Wheat 70 cents and elevators full. Corn 60 to 70.—A. J. Hammond, July 26.

Hamilton County—Two-thirds of county had only a small rain this month, the rest local showers. Have had fair supply of water in ditches this week and farmers are watering their alfalfa. This will insure a good third crop and enough for winter but prices are being held up on account of hoppers having eaten up feed crops on upland. Stock in good condition.—W. H. Brown, July 26.

OKLAHOMA.

Payne County—Had about ½ inch of rain today. Cotton crop is looking the best in years. Some corn will make as much as 40 bushels.—A. M. Leith, July 26.

Craig County—Had a fine rain which has helped everything. Some corn was damaged 50 per cent by drouth. Haying in progress and crop selling at \$8. Oats 30 cents.—A. Cochran, July 26.

Woodward County—Small shower July 24 came too late to save corn. All early corn about gone. Pastures drying up. Wheat averaging around 10 bushels and bringing 70 cents. Hogs \$8.—Geo. L. Boswell, Jr., July 26.

Pawnee County—Need rain badly. Some corn fields nearly gone while others still pretty good. Out threshing nearly finished. Yields ranged from 20 to 45 bushels. Corn 55 to 60 cents, oats 30 to 35.—V. Funkhouser, July 26.

Woods County—Very dry and corn has been killed. Pastures still fairly good. Wheat making 20 to 22 bushels. Oats and barley a total failure. Broomcorn drying up. Some hoppers and lots of bugs.—W. C. Douglass, July 22.

Cotton County—Corn nearly all dented. Some abandoned on account of weeds. Lister and plowing for wheat nearly done. Milo nearly ready to cut and Kafir heading. Nice showers July 24 and 25. Stock looks good.—Lake Rainbow, July 26.

Kiowa County—Had a fine shower July 19 and 20 and plowing will now be finished. All growing crops needed rain badly. Hot winds had almost destroyed crops. Potatoes being dug but are small. Few peaches but grapes plentiful.—Mrs. Alice Henderson, July 21.

Caddo County—Wheat threshing almost finished. Average yield 10 to 12 bushels, oats 10 to 25. Corn is in good condition but needs rain. Good acreage of milo and June corn put on stubble ground. Farmers say they will cut down their wheat acreage.—S. A. Gilmore, July 26.

Major County—Dry weather and corn is a total failure. Much sowed feed so dry it has fallen down. June corn knee to hip high and still looks green. Feed will be scarce. Bugs are thick. Alfalfa and pastures dried up. Wheat making 2 to 14 bushels.—W. H. Rucker, July 25.

Cleveland County—Weather hot and dry. No rain since July 8. Corn on deeply plowed ground holding out well. Late corn, Kafir, and milo still growing. Threshing about finished. Yields fair to light. Some fall plowing being done. Fine quality alfalfa hay being marketed at \$8.50.—H. J. Dietrick, July 26.

Too Soon to Silo Drouth Corn

A Summer county reader of the Mail and Breeze asks whether to let his corn stand or cut it immediately and put it in the silo. He asks for the opinions and experiences of Mail and Breeze readers who have handled a drouth crop of corn in this way.

The silo is the right place to put corn which has been injured by drouth, but you do not want to put it there too soon. Corn at this time of year contains very little solid material, and if you cut it up and put it in the silo it will be mostly water. After it reaches the roasting ear stage, corn increases in food value rapidly, but at this time the thing to do is to just keep waiting and putting off cutting it from day to day. A. H. Leidigh, Kansas Agricultural College.

We can't farm without the Mail and Breeze and take great interest in McNeal's comments.—Robert Jordan, Light, Ariz.

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



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Commission Government For County Schools

By Edwin L. Holton

DEPARTMENT OF RURAL EDUCATION,
KANSAS AGRICULTURAL COLLEGE



Editor's Note—In Kansas at the present time, there is more or less objection to the project of one board for county schools to take the place of a district board in every school district. The patrons in the districts fear the one board plan will do away with their home rule of the country schools and that country-bred applicants would not be favored for teachers. Such a law should provide for a properly organized county board to safeguard rural school interests. Otherwise, the one board, or commission plan, has some big advantages. The schools in the poorer districts wouldn't suffer for lack of funds as many of them now do. A system of general school improvement could be planned and carried out. There would be better school buildings, better teachers, larger and better graded schools in the country, and some with high school courses in the more populous districts. Read the proposition as outlined here by Director Holton and think over how it might be managed. As a school man, devoting his life to country schools, Prof. Holton has made a careful study of the plan and the results obtained from it elsewhere.

THE rural school question in Kansas is, "How can Kansas give her farm boys and girls an educational opportunity equal to that given to city boys and girls?" In the language of the school teacher, Kansas is not getting the answer to this problem because she is "using the wrong rule." The district as the unit of school organization with the box-car type of one-room schools is not getting the answer and the matured experience of all older states proves that such a plan of organization will never get the answer. Kansas has one of the most cumbersome, inadequate and inefficient school systems of any state in the nation. Our U. S. commissioner of education will tell you the Sunflower state is placed near the bottom when judged by the standard of efficiency in getting results. I am aware this is an unpopular statement to make, but it has one saving virtue—it is true.

It has been my good fortune to visit more than 600 rural schools in Kansas during the last three years. My visits have extended to all parts of the state. This first-hand experience has proved to me

that the rural schools of Kansas are inefficient, that they are not rendering service to the community in proportion to the cost per pupil. Of these 600 rural schools, when judged according to the recognized standard of efficiency, 420 of them scored less than 500 points out of a possible score of 1,000. That means that 70 per cent of them scored less than 50 per cent on efficiency. Kansas cannot afford to burden herself with a system of school organization which results in such needless waste.

What is the remedy? I am firmly convinced the waste is due to our present plan of organization, the school district as the unit. Think of the inconsistency in having 24,000 officers to boss 8,000 rural teachers. The fundamental educational need of Kansas is to change from the district to the county as the unit of organization, to make it possible to secure expert service in the offices of state and county superintendent. The "district unit" plan served its purpose in the making of Kansas, just as the sod house and the prairie schooner served their purposes. But each of these is wholly inadequate to meet the needs of progressive Kansas in the Twentieth century.

The "county unit" plan means a commission form of government for the schools in a county. This county school commission should consist of five or seven commissioners selected at large. In Kansas,

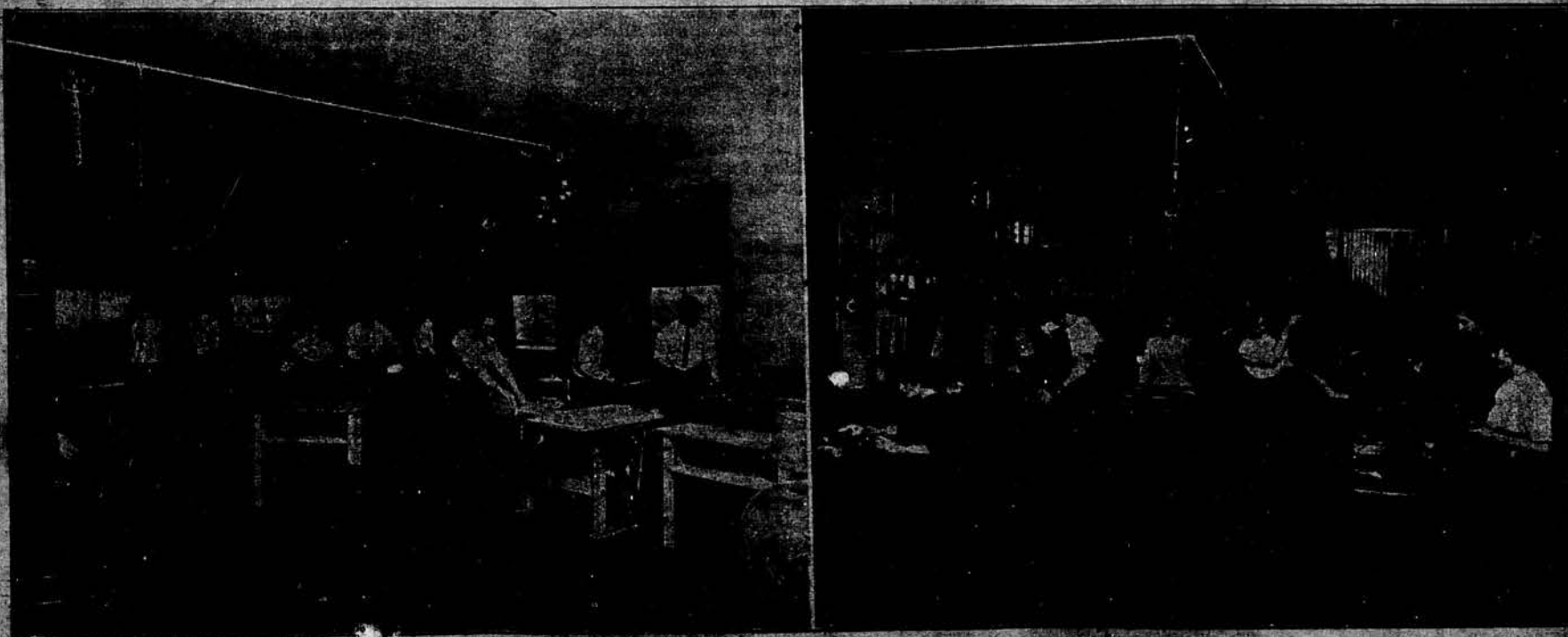
these commissioners would have charge of all the district schools in the county, thus doing the work which from 100 to 500 district officers are attempting to do under the present system.

Under our present plan, the offices of state and county superintendent of public instruction are political jobs to be passed around every two years. These positions call for trained experts. Such service can be secured only by appointment. The state superintendent should be appointed by the state board of education. Like all expert officials in business affairs, he should hold his office as long as he renders efficient service, and should be paid a salary commensurate with the work required. The county superintendent should be appointed by the county school commissioners (when we adopt the county-unit plan of organization) and he should be paid an adequate salary and hold office as long as he renders good service. The state and county boards should have the power to go anywhere in the nation to secure good men for these important positions. The only limit placed upon the boards should be that they secure the most efficient service possible for the salary paid.

Under the "county-unit" plan, a county system of consolidation and centralization of rural schools could be worked out by the commissioners. Our present plan of consolidation is not efficient and it will never result in county-wide consolidation and centralization of rural schools. The advantages of consolidation are common knowledge, but I shall enumerate a few of them:

1. A community conscience will be developed around the consolidated school, which can never be created around the one-room school.
2. The larger number of pupils brought together in the building, makes it possible for only one or two grades to be assigned to one teacher. This will give the teacher more time for individual work with the pupils.
3. The rural schools can be directed toward the needs of country life, instead of toward the city as they are at present.
4. A high school can be placed at a team-haul distance for every child in the community.

(Continued on Page 15.)



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The Farmers Mail and Breeze

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ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor
A. L. NICHOLS, Associate Editor.

E. W. RANKIN, Advertising Manager.

Editorial Contributors.

F. D. COBURN, PROF. W. M. JARDINE, JR.
PROF. A. M. TEN EYCK, PROF. A. H. LEIDIGH.
PROF. CHARLES DILLON, PROF. L. E. CALL.
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Changes in advertisements or orders to discontinue advertisements must reach us not later than Saturday morning, one week in advance of the date of publication. We begin to make up the paper on Saturday. An ad cannot be stopped or changed after it is inserted in a page and the page has been electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.



PASSING COMMENT by T. A. McNeal

THE CASE OF ATCHISON.

The city of Atchison 30 years ago voted bonds to the amount of \$240,000 bearing 4 per cent interest. The city authorities have neglected to provide any sinking fund and the bonds are due. The creditors are clamoring for their money.

Now I am not criticising the creditors or holders of the bonds. If you, gentle reader, happened to be the holder of an Atchison city bond and it should fall due, you would want your money. You should not blame other people for doing what you would do or wanting what you would want in a similar situation.

The city authorities should have provided a sinking fund but they did not. Now the bonds are to be taken up. It is altogether likely that they will be taken up by residents of the city of Atchison who have a good deal of money to invest, but the taxpayers will have to pay 5 per cent interest instead of 4.

If this nation had a loan system by which it could take the bonds of the city of Atchison bearing 3 or 4 per cent interest payable to the government, 2 per cent of the said interest to be applied to the reduction of the principal of the bonds, the taxpayers of the city would in 50 years be relieved of debt entirely and long before that time the interest payment would be reduced to such a trifling sum that they would hardly count in the expenses of the city. But that would not give anything to bond brokers and there is the rub. That is the reason why it will be so difficult to get so equitable a law on the statute books of the nation.

THE PROPOSED CURRENCY LAW.

I receive some inquiries in regard to the proposed currency law. I confess that I am not greatly interested in it. It may be an improvement on what we have now but my judgment is that it will not make money easier to get nor the rate of interest less than at present. It is a banker's fight and the question involved is whether the bankers will prosper more under the proposed law or under the present arrangement.

It makes the currency government currency which I believe in, but the currency is not to be issued on equal terms to all the people, but on special terms to the banks. Under its operation the banker will be able to lend the money of his depositors as he does now, taking the borrower's paper as security for the same. He can take this same security and deposit it as collateral for currency issued by the government, but the government will not consent to lend to the private individual currency on the same kind of security.

I do not believe that the bill touches the real difficulty in the financial situation, and on the other hand, I can see some rather serious objections. It places the entire control of the banking system of the country in the hands of politicians. It pro-

vides for a board that will change with every change of administration and as a result the banks are liable to become the working parts, the cogs and running gear and engine of the finest oiled and perfected political machine the country has ever known.

Just think it over. A partizan board of seven men will have absolute control of all the national, and at least a large part of the state banks of the country, for the national banks will be forced into the system and the state banks may go in. These seven men can make conditions easy or the reverse for the banks.

If the banks consent to be tractable politically they will be favored. If they get independent there will be trouble. Of course it may not turn out that way, but if politics works overtime in Washington as it seems to be doing just now out here in Kansas I know what will happen. The banking board will be the most powerful political organization and the most dangerous ever known in the history of the country.

THE FOOLISH STREAK IN MAN.

If the testimony shall eventually prove that a Topeka man has succeeded in selling half a million dollars worth of contracts for land that he doesn't own and never did own, it will simply be one more evidence that most people have a fool streak in them. For if it is true that people have just handed their money over to a stranger without investigation because he suggested that it would be a good thing for them to do, it is no new experience. People have been doing that from time immemorial. Always the smooth grafter has found plenty of victims. Maybe as the years go on the plans vary a little, but the basis of all of them is the same, the credulity of man, the fool streak that is in nearly all of us. A small army of fakers lives fat on a bigger army of fools.

And do not get cheery and say, my friend, that you are so much wiser than your fellowmen that you cannot be fooled. You can be. Probably you would not buy a gilded brick under the impression that you were getting a large chunk of the precious metal for a very small per cent of what the seller could get for it provided it was really genuine, if he would just take it to the nearest jewelry store or send it to a government mint. Perhaps you would not be enticed by the card sharp or any one of a dozen other swindlers that have been worked on other chumps and exposed dozens of times, but you have a streak of the sucker in you just the same and if the right sort of bait is offered you will take it down.

Every fisherman understands that he can't catch all sorts of fish with liver. Neither can he catch fish at any and all times of the day or night with any kind of bait. Certain fish bite at certain times and likewise they require certain kinds of bait, but if the fisherman is well enough posted on the habits of fish he can get any of them. All he needs to know is their habits and then he must have patience. Human beings are much like the fishes. They will not all bite at the same bait, neither will they all bite at the same time, but they will all bite at some kind of bait some time. This is what calls for blue sky laws, the apparent necessity to protect us from the fool streak that is in us. It looks as if we ought to have sense enough to take care of ourselves, but apparently we have not.

IF ALL WERE WISE.

If we all were wise and at the same time just, this world would be a bully old place in which to live.

There would be no poverty, no sickness, no standing armies, no battleships, no wars, no need for expensive and complicated government. The earth would produce an abundance to supply the needs of all its inhabitants and a great deal more. Instead of pulling against each other, men would all work together. Co-operation, not dissension, would be the watchword and how the world would move along!

But we are not wise. As I have said all men and women have fool streaks in them and so the pulling and hauling and dissensions go on. The shrewd few manage to live at the expense of the easy marks who don't know how to take care of themselves. And the foolish easy marks do not recognize their friends. They are full as apt to listen to the advice of the wily grafter who is talking for his own advantage as they are to listen to the advice of their real friends.

In fact they are much more apt to listen to the smooth grafter. He can talk better. His flow of language is much more seductive than the plain blunt speech of the really honest, unselfish and wise man. And so the easy marks turn against their real friends and help to ruin them and willingly follow the lead of the selfish and unscrupulous grafter.

There must have been a time in the world when all the inhabitants, there weren't many of them, were on an equality, when one had just as good an opportunity as any other. But even then the savages were divided into born grafters and easy marks. And the grafters began early to concoct schemes by which they could work the easy marks.

How admirably they succeeded is shown by the fact that for generation after generation the many, the descendants of the original easy marks, have lived and toiled and sweat in hopeless poverty and obeyed without much complaint the orders of the few. And it is not at all certain that if they were given the best opportunity possible, it would be of any material benefit to them.

There are so many people who seem to be inca-

pable of doing any original thinking. They must lean on somebody else. Thrown on their own resources they are helpless and miserable until they can find somebody else who is willing to do their thinking for them. Of course so long as that is the case they will be the followers and servants of those who do the thinking for them. It always has been so. Maybe it always will be so. It certainly will be until men learn to think and act for themselves.

But here we are back to the original proposition: We all have a foolish streak in our makeup. We all can be worked, provided the right person undertakes the working and at the right time.

THE ENLARGEMENT OF THE PARCEL POST.

Unless the postmaster general is overruled, the size of packages that can be sent by parcel post will be almost doubled after the 15th of this month. It will then be possible to send a 20 pound package 150 miles for the same amount that it formerly required to send an 11 pound package, which is now the limit. The postmaster general states that within a comparatively short time the size of packages that may be sent through the mails will be increased to 100 pounds.

There is also considerable and increasing sentiment in favor of doing away with the zone feature of the package post law and allowing parcels sent that way a flat rate such as is allowed for other mail. At present a 4 pound package can be sent by mail to any part of the United States including the Philippine islands for the same price that it can be sent to the nearest postoffice. If this rule applies to a package weighing 4 pounds why should it not apply to packages weighing 20 pounds, or to packages weighing 50 or 100 pounds?

If it should apply to packages weighing anywhere from 4 to 100 pounds, why not apply the same rule to all freight? In the year 1910 the railroads of this country carried 1,635,215,800 tons of freight and received for hauling same \$1,720,863, 413, or an average rate of \$1.05 per ton. Suppose then that the flat rate of \$1.05 per ton be fixed as the average rate. It would not of course, be expected that all kinds of freight should be carried at the same rate. Neither does all kinds of mail matter go at the same rate.

Let the freight be classified into two, three or four classes, according to its value and perishableness, but let the average rate be \$1.05 per ton. Coal would be hauled at a flat rate considerably less than \$1 per ton while dry goods would of course bear a correspondingly higher rate, but it would be a flat rate in all cases. A ton of freight could be shipped for the same cost to New York as to Kansas City from Topeka.

How would it affect Kansas products, assuming that wheat would bear the average rate of \$1.05 per ton? There are 33 1-3 bushels of wheat in one ton, which would make the average rate on wheat to any market in the United States a trifle more than 3 cents per bushel. That is about one quarter the present rate to Chicago from Kansas points. Unquestionably the flat rate would be a decided benefit to the Kansas wheat grower.

In a large cattle car it is possible to crowd in 30 head of moderate sized steers, weighing possibly 1,000 pounds to the steer. Assuming that cattle were carried at the average rate it would cost \$31.50 to ship a car of cattle to any market in the United States. That is a better rate than can be obtained except by cattle shippers who live in the immediate vicinity, say 40 or 50 miles, from the market. As a general proposition then, the flat rate would be to the advantage of the cattle men.

As coal is one of the most bulky and least perishable of products it would naturally be classified in the cheapest class and would be carried at a flat rate less than the average rate. Suppose we assume that the flat rate on coal would be 60 cents per ton. A 30 ton car of coal would be hauled anywhere for \$18. This would make it possible to establish manufacturing enterprises anywhere, for fuel would be as cheap one place as another except where it was used right out of the mine and not shipped at all.

What would be the effect on the railroads? If they hauled the same number of tons of freight in a year that they hauled under the old plan, they would get the same amount of revenue. The expense of a great force of rate clerks would be eliminated. All that would be necessary to know would be to what class the freight belonged, class 1, 2, 3 or 4. There would be no complicated system of freight differentials and change of rates for different territory which necessitates a vast office force and enormous quantities of books and endless figures.

The freight would be billed out as belonging to a certain class bearing a certain flat rate. If it was carried on more than one road each road would be paid in proportion to the distance the freight was hauled over its line. The bookkeeping would be simple and comparatively speaking, there would be little of it.

This is assuming that the total amount of freight hauled under the flat rate would be the same as under the present rate. As a matter of fact the amount of freight hauled would probably increase tremendously. As under that arrangement one town would have an equal chance with every other town big or little, manufacturing enterprises would spring up all over the country. The interior towns that are languishing now because they cannot get the proper freight rates, would begin to grow. The country merchant would be on an equality, so far as cost of

getting his goods is concerned, with the biggest mail order house in the country.

The arrangement would stop all talk about discriminations in freight rates. It would do away with the necessity for 49 different railroad commissions with their vast bill of expense. It would probably stop all talk of government ownership of railroads. The only business the Inter-state Commerce commission would have to perform would be to see that the railroads promptly performed the service required of them. I believe the entire country, the railroads included, would be benefited.

THE TARIFF ON SUGAR.

Editor Mail and Breeze—In Passing Comment July 12 issue of Mail and Breeze you say if you were a member of the senate and believed as John Sharp Williams does, "That removing all the tariff will destroy the sugar business in this country," etc., you would vote against free sugar.

Mr. McNeal, Sharp Williams knows it is the stockholders and rich factory owners of the sugar plants of Mississippi that are getting the tariff graft on all sugar produced in the sugar cane factories of that and other sugar cane producing states of the South.

The hardworking farmers who toil in the burning heat to produce and deliver the sugar cane to the sugar mills, at the mills' prices, too, practically, need the tariff, but do they get it? Did the hundreds of poor people, who struck under starvation wages in the woolen mills of Massachusetts, get any of the "indefensible" high tariff, as Mr. Taft called it, on woollens? Do not the press dispatches say these poor, hungry, ill-clad men, women and children were many of them deported to New York city for striking?

No, Mr. McNeal, as long as men, women and children raise sugar cane and sugar beets without any tariff graft, let the factory owners run their sugar mills against flesh and blood and nerves of these toilers and produce sugar free of tariff. Rather, if there is to be any tariff or duty on sugar, let it be on sugar in the sugar cane and in the sugar beets.

To promote the sugar industry in the United States and to protect laboring men who grow cane and beets from which sugar is extracted, I would vote to pay the beet farmers out of the United States treasury a reasonable sum per ton along with the sugar cane farmers for all produced. But the Republicans say they want a "protective tariff." Do they want it to protect labor or rich factory owners?

I figure that if I am rich enough to build a great sugar plant or cotton or woolen mills, I don't need any "protective tariff" on sugar or on finished cotton and woolen goods turned out at my factories as long as the ports of the United States are open to Japs, Chinese, Mexicans and the poorest paid laborers of Europe.

My idea of a protective tariff is that it should protect the weak against the strong in labor and industries. To protect laborers; not capital invested in great manufacturing plants.

It is foolish to talk about a protective tariff and not know whom it protects. It seems the Republican idea of a protective tariff of late years is to protect capital (the lion) against labor (the lamb). The Republican party in Lincoln's day set slaves at liberty. In our time it feigns a protective tariff for laborers, but rich factory owners get the revenue and laborers get the strike and are deported to New York city, tired, hungry, ill-clad and penniless; under a high protective tariff which Mr. Taft is reported to have said is indefensible.

JAMES D. SHEPHERD.
R. 8, Clay Center, Kan.

It seems to me that Mr. Shepherd does not display in this letter quite his usual calmness and fairness. I had only raised one question. Why mix it up with a number of other matters that have no bearing on it?

I said that if I believed as John Sharp Williams says he does, that removing the tariff from sugar will destroy the sugar business in this country, I would not vote for it notwithstanding the fact that I have advocated free sugar. There is the question and the only question to be considered so far as this particular duty is concerned. Will taking it off destroy the sugar business in this country? If it should have that effect would it result in cheaper sugar to the consumer?

I do not know of course, but my belief is that if the sugar-making business in this country should be destroyed it would result to the advantage of the American sugar refiners, the Spreckles and Arbuckles, and not to the advantage of the consumers. I have believed that our beet sugar mills could survive and prosper to a reasonable degree without tariff. I think in order that they may prosper however, our present system of freight rates must be changed so that these mills, mostly situated in the interior of the country, will not be discriminated against in favor of the refineries which are located on the seaboard. Now I may be mistaken in this belief and if I am I feel at liberty to change my position, as I think all of us ought to do whenever we are convinced that we have been mistaken.

I have here a copy of the testimony taken before the Hardwick congressional committee appointed to investigate the American Sugar Refining company. At that hearing Mr. Spreckles, president of the Federal Sugar Refining company, testified as did Charles R. Heike, secretary of the American Sugar Refining company and William Gilmore, a partner of the Arbuckle Brothers, sugar refiners. These men testified very frankly that they were in favor of free sugar because they believed it would be to their advantage. They also testified very frankly that it would be to their advantage to have the beet sugar factories put out of business for the reason that during the season when the beet sugar factories were putting their product on the market the competition forced down the price of sugar. Now if that is true it would not be to the advantage of the

sugar consumer to have the sugar mills in this country put out of business.

Mr. Shepherd speaks of the raiser of beets and sugar cane not getting the benefit of the protection. Possibly he does not get his share. I do not know about that, but it is certain that if all the sugar mills to which he sells his beets or sugar cane should be put out of business he would also be put out of business so far as raising beets or cane is concerned.

Experience has shown that it is profitable to grow sugar beets and sell them to the factory. Not only is it profitable, but it is a good thing for the land. If the sugar factory is closed it certainly must result in damage to that beet sugar farmer.

However, even his interests should not be permitted to stand in the way of the masses who eat sugar. The question to be considered is this: Would the destruction of sugar factories in this country result in giving these masses a substantial and permanent reduction in the price of the sugar they have to buy? If it would then I would say let the sugar factories be closed, for the interests of a few individuals should not be permitted to stand in the way of the interests of the many.

But if the testimony of sugar refiners themselves is to be believed the destruction of the domestic sugar factories would not benefit the consumers. It would benefit these refiners, as they frankly state, because it would kill off the competition that during a part of the year at least reduces the price of sugar. That is the reason I say, that if I were a member of congress and believed, as John Sharp Williams says he does, that taking the tariff off imported sugar would kill the sugar making business in this country, I would not vote to take it off.

AND HERE IS ONE FROM THE OTHER SIDE.

Editor Mail and Breeze—After reading your editorial referring to my friend Diesem of Garden City on the sugar question, in your July 19 issue of the Mail and Breeze, it seems to me you attribute to him and all others of similar ideas very selfish views in regard to this important national question, and you yourself have pessimistic and indefinite ideas touching an important subject.

You write of it as though it were a very local question and confined to the local surroundings of the Garden City factory.

In discussing the currency, good roads and the development of our immense water power advantages you are broad-gauged and optimistic, but when it comes to protection to sugar and its kindred industries you take the opposite course.

We of the West—and I mean all that section of states where irrigation is essential and where the United States has spent millions of money to develop the water supply, regard it as sugar beet territory, and when the right policy is pursued capital will expand the industry and in time the United States will grow its own beets and manufacture its own sugar and the country at large will derive the benefits of cheap sugar and the poor man will be benefited.

Please look over the statistics of this great national industry and see how rapidly it was growing and to what states it was spreading. We of Finney and Kearny counties expect to see three or four sugar factories in this part of the state and think it probable from experiments going on that other portions of the state of Kansas may find it possible to have a sugar factory.

Less than half a century ago they said the United States couldn't make steel rails, but we did—and you see the result. Less than a quarter of a century ago they said we couldn't make tin, but that is an obsolete question now, and although I am well along in years I expect to see this country make her own sugar and not be subject to refineries or foreign countries in the use of that sweetness which is essential to our system and adds so much to the enjoyment of child as well as man.

Lakin, Kan.

F. R. FRENCH.

THINKS SOCIALISTS ARE HOPELESS.

Here are some extracts from a letter to the Mail and Breeze:

Editor Mail and Breeze—You are wasting time and talent in answering Socialists, single taxers, tariff and all like questions. You can't prove anything to this kind of writers. It's a waste of time. Give them a department and use it once a month, without comment, of course. This will not interfere with any article you wish to write on the subject. The debating on such subjects is what bothers our heroes.

I have been among Socialists for years; have talked, debated and argued until I came to the conclusion that it doesn't pay for you get nowhere, and come to no conclusion other than it is a fine word painting that is not practical in all its claims, although we must use some of their ideas if we go forward. I have many friends among them, warm friends, but let us discuss the question in limited space. You don't mind a scrap once in awhile I know, but I believe there are other subjects more worthy of your pen.

Lyndon, Kan.

If it is true, as Mr. Barnard says, and as I believe, that some of the things advocated by Socialists are good and some are impractical and visionary, is it not the sensible thing to try to separate the practical from the impractical, the sensible from the visionary? And how is that to be done without fair and open discussion? It is true enough that some of the Socialist writers do not seem to recognize the limitations of space—that is of newspaper space, but that is a fault that is not monopolized by Socialists.

THINKS WE ARE GOING TO THE BAD.

Editor Mail and Breeze—In the article of July 5 it is an error to assume that under Tweed New York was in a worse condition than it is today. In 1871 it was a delightful town to live in. I spent two

months around the town and never saw any evidence of holdups or other social evils. No doubt they existed but were kept in check. Every one was courteous and debonnaire in those days.

Attended church after Fisk's death. The minister referred to his life and impressively said, "If Jim Fisk's soul is not in hell tonight, there is no truth in the Bible." They called a spade a spade those times. There was no evidence of poverty. The newsboys were well dressed, a great contrast to Liverpool.

In 1875 I visited Chicago, another delightful town at that time. Attended lectures on science; hall filled with working people. (Could you get such an attendance now?) The underworld was not in evidence. Thirty years after, the streets filthy beyond belief; men with criminal faces on every corner; never heard such obscene language, though ladies were going to church. If this was progress, Chicago was certainly in it.

We live in a realm of myth and fable. American decadence is denied by the press which suppresses the evidence, but they cannot fool all the people all the time.

Osawatimie, Kan.

I am somewhat in doubt as to whether the author of the above was really in earnest when he wrote it, or whether the letter was intended as a bit of subtle irony.

Give the Babies a Chance

I am glad Kansas has joined the nation-wide movement which has for its object giving the babies of America a chance for their lives. Keeping babies alive during their first year on earth is a problem. In Kansas, at least one child in every six is born to cause anguish to its mother by leaving in less than one year. Poverty and ignorance, especially ignorance, are the chief contributing causes. The ignorance, by the way, is not all on the part of the mothers. The doctors, the lawmakers, the whole community share the blame.

Infant mortality is twice what it should be. At least half of these deaths could be prevented by methods of sanitation and wholesome living with which we are well acquainted, but which as individuals or as communities we neglect.

If one-sixth of the calves, colts or chickens in any community died during the first few months of their lives, there would be a congressional investigation that would be heard round the world. If one-sixth of the product of a manufacturing company should be worthless, the stockholders would rebel in 30 days. But the total loss of one-sixth of the nation's most valuable product merely through neglect and indifference, has in the past caused little comment.

Is there one farmer in all this big state who could show year after year such a death rate among his new-born livestock? Of course not. Why? Because he knows a lot more about stock raising than he does about rearing babies. He studies the subject, and Uncle Sam takes good heed to put in his way plenty of information about it.

Our infant mortality rate measures the health, intelligence and right living of fathers and mothers; the standards of sanitation and morals of communities and governments; the efficiency of physicians, health officers and educators. It is our measure of civilization.

There is something radically wrong with a system which makes no effort to protect the infant life of the community, so that it may realize some of the bountiful advantages prepared for its future well-being.

As civilization has advanced, the death rate among adults has steadily lowered, but there has been no corresponding decrease in the death rate of babies. It is gratifying to know that an awakening is taking place throughout the civilized world in behalf of the baby. People, even, are beginning to realize that it is of more importance to curtail the dreadful loss of infant life than to check the ravages of any of the well-known diseases among adults. It has been shown, too, that more satisfactory results can be obtained, more human lives saved, presumably to become useful citizens, through giving babies proper care and nourishment than in fighting all the diseases.

We should make an effort to see that all children, good or bad, have proper care, regardless of color or creed, regardless of efficiency or inefficiency of parents.

For the welfare of the state, child life must be protected. It is one of the practical ways of promoting the efficiency of the next generation.

It is only by legislation or education that these evils are to be removed or minimized. The state board of health is doing commendable work in its efforts to arouse the civic consciousness of Kansas to the needs of the children and the protection of child life.

It is now realized that while there can be no let-up in the fight for pure milk, the instruction of the mother is of first importance. More than half the deaths among children are preventable. More than half are due to bad air, bad food, bad living conditions, inattention and starvation. And most of these evils result from ignorance. Humanity no less than Christianity demands that intelligent effort be put forth in behalf of "the least of these, our little ones."

Arthur Capper

Party regularity is a whip which has lost its sting.—ARTHUR CAPPER.

JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

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

Corn has been coming in tassel during the week but it is so dry and hot that it makes slow progress. It may be a good thing that tasseling is slow for the tassels are being killed by the 100-degree heat about as fast as they come out.

This is the fourth year it has kept us guessing whether or not we would raise any corn. Three of the years we raised a crop and hope to raise one this time. Corn can stand a great deal of grief and still make grain. We are hoping for rain soon; we got it before and expect it this time.

It comes hard to write these Doin's these hot days. From our experience in writing them we do not envy the office men in the cities. It is cooler out in the fields even if the sun does shine out of a cloudless sky. There is no medicine for body and mind like a touch of cool weather.

We put in yesterday building fence. The mercury stood at 100 and the sun shone as though there wasn't a thing between him and Kansas, but we didn't suffer from the heat. We found it more comfortable in the field than we did in the house at noon. A temperature of 100 in the East would cook everything; here it is not so bad if one can get where the breeze can strike him.

We have a cousin who is doing his first year of farming in Kansas. He comes from the most northern county of New York, along the cool St. Lawrence river. We thought this weather would cook him but he says he does not mind it so much as some of the close still days they have back in New York when the mercury does not leave the 80's.

The fencing we were doing, was around a 16-acre field which we sowed to timothy and clover this spring. The timothy died but the clover is still alive. A good growth of crabgrass has come up on the field so we ran over it with the mower set high, to get the weeds and will turn it over to the stock for the rest of the summer. We did intend to plow it but it is so hot and dry that it would be hard on the horses, and there is enough grass on it to make good picking for the stock for a long time.

We have found the stock like Sweet clover when made into hay if it is cut early. If allowed to get woody they do not like it. Even when stock will not eat it green, if it is cut and allowed to cure they seem to eat it as well as clover. A neighbor tells us that cows driven along a road each morning which had grown up to Sweet clover, would not touch the clover but after it was mowed to clear the road, seemed hungry for the cured hay. It was mowed when about to blossom and the cattle would creep under the fence to get it after it was cured though they would not touch it when it was green.

Crabgrass makes good pasture, also fine hay, and we have heard men say they would as soon have 1 ton of good crabgrass hay as 2 tons of timothy or prairie hay. It does make good feed. Many think foxtail not fit to cut for hay but we have found it makes a fair article of feed if cut before the seed begins to harden. If cut early and stacked up, cattle eat foxtail and do well on it. It is so much like millet that we do not like to feed it to horses.

The same holds good with cowpeas. When we grew our first crop of them we were told the stock would not eat the feed. While we were cutting the peas we offered some to the horses and threw some over the fence to the cattle. Neither would look at the green peas and we thought we had something on our hands that could not be disposed of. But as soon as the hay was cured there was no further trouble about the stock not eating it; the trouble was to

get enough. All livestock seems to like legumes like clover, cowpeas and alfalfa, better after curing than before.

We see that W. J. S. writes in the Mail and Breeze of July 12, asking if any of the readers have grown Canada peas in Kansas and what their experience was. We have never raised them here but a few years ago they were given a trial on the county farm under the supervision of some of the Manhattan authorities. The soil on the field where they grew was good and the season favorable, more so than any of the last four have been. The crop was large and looked as good as any we have ever seen grown in Vermont where oat and pea hay makes a combination which they think hard to beat. The Canada pea is a native of a cooler climate than this but from the above experience we should think they would do well here in a season of plentiful rainfall if sown early enough. They should be sown about the time oats are and should be sown with something like oats that will hold them up. But we should much prefer to stick to cowpeas in the latitude of Kansas.

The scattered thunder showers which travel over the country in a dry time seem full to the brim of lightning and whenever one passes over we hear of damage done. A great deal of stock is killed both near the fences and out in the center of pastures. Many keep their stock insured and this seems a wise plan when stock are out in exposed pastures. Most of our neighbors insure their stock and tell us that in a term of years the loss will hardly equal the amount paid out. The same rule holds good, of course, with all insurance, for a company could not do business if their losses equaled the amount of their policies. But men are willing to pay for surety and for a small sum they can make themselves safe against any great loss of stock by lightning.

Lightning seems to have an especial pick at barns. We hardly understand why this should be but the facts seem to show that four barns are struck to one house. The barn is pretty apt to burn, too, for the hay is almost certain to catch fire. For this reason we should never let a barn stand a minute without being insured. The fire danger for barns is, we should judge, at least 60 per cent due to lightning. On this account we have had our barn rodded. While rods may not furnish the complete protection that the rodding companies claim we do think that they furnish a great degree of security. Inquiries made by the mutual companies up in Iowa seem to show that the protection afforded by rods is at least 75 per cent and this is worth paying for. We do not wish to have our horses burned if we can help it.

This dry summer finds the farmers of this part of Kansas with fewer cattle on hand than at any time since we have lived in the state, which is nearly 18 years. A crop of roughness sufficient to carry these cattle through the winter has already been raised and most pastures seem capable of furnishing feed to get the stock through until fall. We have always been able to raise plenty of feed in this part of the state to carry cattle through and it is this fact that makes cattle the best farm stock we can have here. If the corn partly fails it will still make good feed for cattle. As cattle now sell for good prices it pays almost as well to raise the butcher stuff as it does to feed them. Almost any kind of a cow will now bring \$5 per hundred which is more than corn fed stuff brought a few years ago.

If any cattle have to be sold in Mail and Breeze territory because of lack of feed or pasture we should prefer to let the steers go rather than the cow and heifer stuff. The only increase there

will be with steers is in weight while the heifers will increase in weight and numbers, too. Every eastern Kansas farm can carry at least 10 cows profitably and they will make use of the feed in winter that would otherwise be wasted. A cow or heifer good enough to bring \$6 a hundred can be raised on the average farm on good pasture and roughness while it takes lots of high-priced grain to make an \$8 steer. Cattle are the standby down here in this grass country and the chances are that they will be at least as profitable in the next three years as they have been in the last two. Hang on to the "she" stuff.

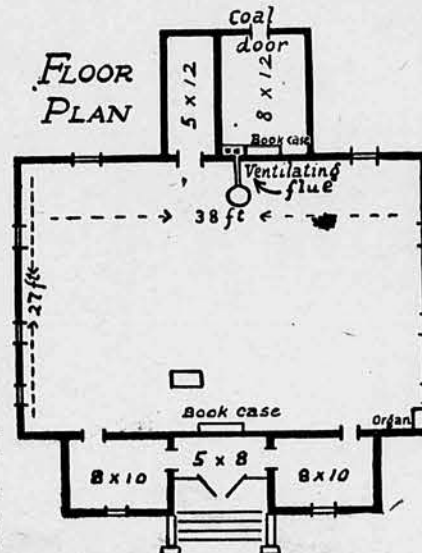
A Model School on a Stock Farm

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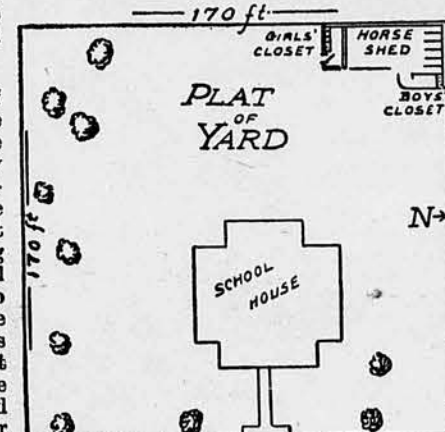
Gregory School, White Hall, Ill.

fixed to the building by the county superintendent. A member of the school board has been kind enough to draw off the floor plan and a plat of the grounds for publication in the Mail and Breeze. The school room is comfortably fitted with modern school furniture and built-in book cases. Every year some effort is



Floor Plan of Gregory School.

made to increase the size of the library. The yard is made attractive by plantings of native hardwood trees, hickory, maple, black walnut, oak, elm, etc. There is scarcely a year that pupils do



The Gregory School Yard.

not come to this school from outside districts. Last year, some came from the town school at White Hall. There has been an average attendance of about 20 pupils, giving the teacher opportunity to give personal attention to each scholar.

I think the Mail and Breeze is the best farm paper published in the United States.—R. C. Gallagher, Dilya, Okla.

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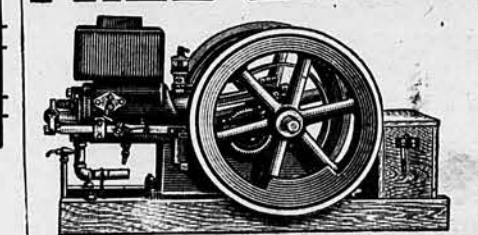
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Mr. T. W. Roach, President, Salina, Kan.
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stenographer and want a young man who is capable. If you have such a young man in view, kindly put us in communication with him.
THE WALNUT CREEK MILLING CO.
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The Kansas Wesleyan Business College occupies a position not shared by any other business college in the country. Parents in all parts of the country are anxious to have their sons and daughters enter this School. Business Colleges everywhere are asking for teachers prepared by this institution, and business houses seek assistants recommended by our college employment department. The College is known throughout the West as the "AUTHENTIC SCHOOL" for banks, railroads, and county high schools. It is located in its own building; enjoys an annual attendance of more than a thousand students; owns and controls its own dining rooms, and is offering a lower rate of tuition, and better opportunities than can be secured at any other reliable school in the United States.

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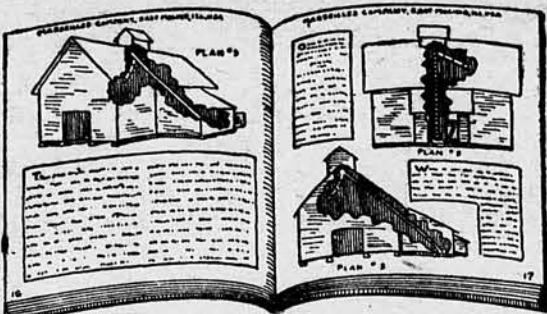
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Let the State Pay Its Share

Only 8 States Have No Common School Tax

BY W. D. ROSS, State Superintendent of Schools

Written for Farmers Mail and Breeze.

Editor's Note.—The boy on the prairies of Decatur county is entitled to just as good schooling as the boy who lives in Walnut valley. But if the Decatur district may raise only \$135 for school purposes while the Walnut Valley district can raise 100 times as much, how is he going to get it? Superintendent Ross declares this inequality is common in Kansas and points out two remedies.

IT IS necessary and it is intended that all our boys and girls be offered as nearly as may be an equal chance at an education. Simple justice requires it. Sound public policy demands it.



W. D. Ross.

They are all the sons and daughters of Kansas, and in the years to come their votes will all count the same. But do we have it?

Out in Decatur county there is a rural district which has a total valuation of less than \$30,000. Down in Montgomery county is another rural district that has a valuation of more than 3 million dollars. The first of these districts can under the law in the regular way raise less than \$135 a year for school purposes; the other could raise \$13,500. One district must levy the limit of 4½ mills and then cannot maintain unaided a 4-months' school; the other district can maintain a seven months' school on a levy of ½ mill made once in two or three years. In one district the people are paying toward the common good more than their fair share in school taxes; in the other district the people, and especially the Standard Oil company, whose tank farm is largely responsible for the wealth of the district, are escaping their just proportion of the burden that all should bear equally according to their ability to pay. For it is the first essential for the general welfare that the pupil in one part of the state be as well trained as the pupil in any other part of the state. Moreover, if our school system is based upon the principles of justice and right the boy on the prairies of Decatur county is entitled to equal educational opportunities with the boy who lives in the beautiful valley of the Verdigris or the Walnut, because society will in the end hold them both strictly to account for what they do and what they are. States as well as men reap what they sow.

their common schools. Let another part come from the county. In California the county tax for the support of rural schools also amounts to \$250 for every school. California requires the local district to raise such an additional sum as will insure a good school, and sufficient local pride and interest to make the school a neighborhood institution.

With a larger unit of organization will come the spread of consolidation; because with the elimination of the local selfish interests, that characterize the small district system, will come a correspondingly increased appreciation of the value of the centralized, well graded, and well supervised rural school.

But do we need anything better, or shall we "let well enough alone"?

Let the report of the Russell Sage Foundation on the "Public School Systems of the Forty-Eight States" answer. According to that report Kansas does not rank first in education, as our Fourth of July orators are wont to boast, but so far as the efficiency of her common schools is concerned stands 24th instead.

Low Rank of Kansas Schools.

In some vital things connected with the system she falls even lower than that. For instance in salaries of teachers we stand 25th; in value of school plant 29th; in expense per child 29th, and in daily cost 29th. In fact our average is brought up even to 24th not by our school expenditures, but by such items as enrollment in which we stand 18th, length of term in which we are 21st, and average attendance, 18th. Let it be remembered, too, that of the states that fall below us more than three-fourths of them are in the South.

Will Kansas' pride and Kansas' progressiveness allow this condition to continue? Will what has been indefinitely permitted to stand in the way of what might be? I believe not. When the situation is realized and the remedy seen the change will come.

It has long been an axiom that no democracy can continue to exist and prosper unless it be composed of an intelligent citizenship. Universal suffrage demands as an accompaniment universal education. And our country, for more than a century and a third an exemplar to all the world of what free government is, has made education the heritage of all its children as no other nation has. But true as these things are we are yet too much inclined to regard the school from the selfish local and individual standpoint.

The State Is the Beneficiary.

Let the State Help Common Schools.

This unfair and unjust condition is not limited to particular localities; it exists to a greater or less degree in every county in the state.

The remedy? A larger unit of school organization and especially of school taxation. Let a part of the support of our common schools come from the state for whose good they are supported. California guarantees every one room school \$250 a year from state taxation, while Kansas is one of only eight states in the Union that levy no state tax whatever for the general support of

The public school was not instituted and is not maintained that your child or mine may be able the easier to make a living; or that any particular community may be intelligent and prosperous. Public education has for its ideal the common weal of the commonwealth, the greatest good to all. Upon no other grounds can public school taxation be defended. By what right do we tax the childless property owner or the various forms of corporate wealth for educational purposes if it is not upon the theory that they are to have the benefit?

(Continued on Page 12.)



The sod school house of an earlier day. School still is being taught in some of them. These districts often have the most difficulty in raising an adequate school fund.



I WILL TEACH YOU HOW—SECURE YOU A POSITION—YOU PAY WHILE YOU EARN

My business is to assist you to make money—more money than you are now making. To assist you to a position of trust and confidence in the business world. To fortify you with a business training so complete, and so thorough, that it puts you in the position of the "sought," instead of the seeker. To take you by the hand and lift you out of the rut.

I have assisted hundreds of ambitious young men and women of the farm to high salaried positions of trust and influence. I have hundreds of letters from graduates who are today earning more money—and earning it with more ease—than the average country doctor, lawyer, banker or merchant. These young men and women, like yourself, were once plodding along in the same old rut—wishing and hoping for a chance to realize their ambition to become successful workers in the business world. They heeded the Ransomerian knock of opportunity—and today, as Ransomerian graduates, have either reached, or are well on the way to the goal of their ambition.

Away down in your heart you know you have an ambition to progress—to get down to brass tacks with yourself and get somewhere—and you can, if you will.

You may want to become a stenographer; bookkeeper; expert penman; enter civil service. Or you may have decided to stay on the farm—but no matter what your ambition may be, a thorough business training is absolutely necessary. Realize that ambition—start now—take your first step—clip the coupon at the bottom of this page. It will bring you a special proposition—a brand new feature I have arranged for the young men and young women readers of Farmers Mail and Breeze—a proposition so good no other school has ever felt able or competent to offer you. I want you to get this special proposition. I want you to learn first hand just what this is, and just what it means to you.

C. W. Ransom

BE SQUARE WITH YOURSELF—LOOK TO YOUR FUTURE NOW

The business world is crying out for competent, well trained young men and women to fill good paying positions of trust and confidence. The United States Government, Railroads, Corporations, Law Firms, Manufacturers, Wholesalers, Retailers—all are clamoring day and night for sturdy bodied, clean-minded assistants in their mad rush for the Almighty Dollar. But the demand is that you must be prepared. This does not mean that you must have had previous experience—but it does mean that you must have a thorough business training in a specialized business training school; that you must have the stamp of approval and unqualified recommendation from a recognized business trainer—from a school with the reputation of producing competent, successful workers—a school such as the Ransomerian School is.

In this constant demand for trained assistants, preference is given the young men and women from the farm.—Why?

I'll tell you! It is not that they are any better than their city bred friends, but simply because of the fact—and experience has proven it—that the young folks of the farm early learned the value of exactness, promptness and time,—three patent essentials absolutely necessary in a well organized business office. Look around you! You can count among your friends a boy here, and

a girl there, who are making good in the business world; friends who are no brighter than you—who were possessed of no better education than you—but who, by their heeding the persistent knocking of opportunity—and having embraced it—applied themselves, are now well on their way toward the top of the ladder. This is dyed in the wool truth, friend, and you know it!

You are as ambitious as they; you are just as bright; just as capable; just as persistent. There is a position ready for you—and just as good, or perhaps even better than theirs—when you are ready for it.

Then why delay longer? Why allow your ambition to be smothered for lack of will power? Why not give way to that everlasting, burning ambition to do something worth while, to get somewhere in the business world? Then write me fully and frankly and tell me your hopes, and ambitions, and let me send you my special proposition and literature containing a simple matter-of-fact statement of my school and my methods.

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I have something of importance to tell every young man and young woman reader of this paper who is contemplating going to a Business College this year. Something that you should know—something that means dollars to you. Before you decide on any school write me. Get this information—learn what it is. I am receiving letters every day from young men and young women from all parts of the country who will really and actually save money and time on their Business Education by acting on the information gained from me, and at the same

I have something personal to tell you. write me now

time get the best Business Training possible to secure. You want to be a Business Expert and you want to go to a good school—but you want to be sure you are right. This information will assist you to make the best selection. Remember: this information is worth dollars to you and does not cost you a cent. Neither do you obligate yourself in any way by asking for it. Write for it today. Use the coupon, a postal or a letter, but get this information without fail. C. W. RANSOM, President.

Here Is Your Chance—And Now

I WILL TEACH YOU HOW—SECURE YOU A POSITION—YOU PAY AS YOU EARN!! Stop right here and now—let this soak in. I mean just exactly what the sentence implies. I mean that I can fit you to realize the ambition you have so long harbored to become a successful worker in the business world. I mean I will not only fit you for that position—but assist you to secure it when you are competent to accept it. I mean you can pay me for one-half of your business training after I have fitted you for a position—and you are drawing a regular salary. I will make the balance of the payments to suit your convenience; and I will also assist you to a place to work outside of school hours, that will pay your room and board while in school. You could not ask for a fairer proposition than that, could you? Of course you couldn't. But get the full details. Write for my special proposition. It goes into every detail fully and accurately. Use the coupon, a postal, or letter. Simply indicate what branch you are especially interested in. Do not hesitate or delay. The sooner you act, the sooner you will be a Ransomerian Graduate—and a Ransomerian Graduate is a successful, trained business worker. This is your opportunity to realize your ambition. Embrace it.

WRITE ME NOW—PERSONALLY!

You cannot be impressed too strongly with the fact that Expert Business Training is absolutely necessary to your future success, no matter what line of endeavor you desire to follow. Therefore, start right—prepare yourself in a school that has proven its merits—from which a diploma means something.

Opportunity will not always be yours. Embrace it now while you have the chance. Take advantage of this special proposition. I have arranged for you. The sooner I tell you about it, the sooner you will realize your ambition. You KNOW you want to be a successful business expert—I can make you that.

C. W. RANSOM, President

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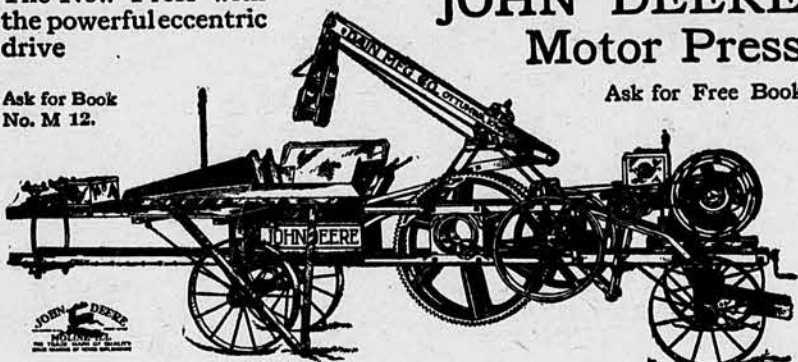
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Get a Balanced Education

The Danger of One-Sided Learning

BY W. A. MCKEEVER, Kansas Agricultural College

Editor's Note.—The old public school course, now being reformed, was one-sided in its teaching. Trade schools and vocational training are a reaction from it. In getting away from the old system Prof. McKeever seems to fear we may go too far with the new. He thinks a combination of the two would be about right.

THE distinctive aim of teaching is not to enable the individual to make a good living, but to enable him to live a good life. The chief fault of the trade school is its low aim. It concentrates all the thought and effort of the learner upon the problem of mere self-support. The typical product of the trade school is a one-ideaed class hater. He comes to his physical manhood with the belief that he has been forced into a little corner of the world by those who wished to reap the benefits of his skill as a workman, and he feels his helplessness in the thought of fighting his way out to a more independent position.

We are forced to admit the expediency of the trade school training. Great numbers of the young are growing up in the cities. Some one must feed and clothe them or they will become public charges. But if they be pushed hurriedly through the trade school and their general culture be neglected, they may be expected in time to join the ranks of the discontented who claim to have been cheated out of their birthright. The age which thus despoils the rich, inherent nature of the young, merely in the interest of the profits, is sowing to the whirlwind and in time must reap a harvest of sorrow and confusion. Mobs, strikes and other forms of violence, far more expensive than general culture for the young, will constitute some of the outward manifestations of this crop of tares.

Breadwinning Not the Sole Aim.

The distinctive aim of the school should be that of rounding out the whole inner life of the individual, including as a matter of course the bread-winning quality. In realizing this higher aim of the schools, labor and industry will be dignified and exalted. The chosen calling will be considered high or low only in proportion as the person occupying it is a puny-minded, one-ideal, under-de-

veloped individual, or an intelligent, far-seeing, broad-minded one.

The teacher who comes to the school prepared to feed the hungry souls of the children upon the real bread of life will be inspired by the higher and larger vision of a completed, full-rounded human being as the finished product of training. Not a mere bread winner, a mere artisan, a mere artist, a mere money maker; but one who is incidentally one of these, as the case may require; and one who is distinctly much more than all these, namely, a living soul.

Let us admit at once that the bread-winning capacity is the foundation of every good life. At the same time, let us deny that it is almost the superstructure and the whole of that life. The man who is merely able to earn a living and who works simply for this purpose may be little and puny and mean in his plane, from lack of a wholesome regard for his fellows. Bread-winning is low and mean as an end and aim of life, but it may be made high and praise-worthy when considered as a means to living a good life.

When the Other Extreme Ruled.

The traditional public school course—now fortunately slowly passing—was also a one-sided affair, in that it tended too much to train the intellect alone. Its purpose seemed to be that of favoring the few who wished to reach the so-called higher positions. The latter were to prepare for the easy places at the "top" wherefrom they could dominate the masses, and exploit the physical energies of the latter as occasion seemed to demand. So mere book-learning was emphasized.

The cold selfishness and cruel exclusiveness of the traditional school are made more apparent in the light of the new ideal of making the public schools serve all classes alike. All should receive the same amount of opportunity and benefit from the elementary school course. All should be trained and developed at first along the lines of the great racial instincts, and the best modern schools are meeting this very issue.

After this broad fundamental course has been given to each and every child, and his instinctive dispositions have all been awakened, stimulated and directed toward a wholesome expression—at the end of the elementary course—it is time for specialization. One calling may then require a long course, another a short one, for further preparation. But a true democracy will have been already guaranteed because all will have come into brief vital contact with the traditional movements of the race.

School As a Wealth Creator

IN a recent survey of 1,393 farmers in seven townships in Tompkins county, New York, it was found that farm owners with only district school training had an average income of \$318. Those who had high school training averaged \$622. Those who went beyond the high school averaged \$847. Stated graphically the difference looks like this:

Those who went beyond the high school made an average labor income of \$847.

Those of high school men made an average labor income of \$622.

Those who went only to district school made an average labor income of \$318.

Commenting on the investigation Henry Israel, editor of "Rural Manhood," says:

"The objection might be raised that these farmers with higher education made more money, not because of their education but because they possibly had a better start in business, that many of them probably inherited farms and other property. This is probably not true, but a comparison has been made which would overcome such an objection.

"Farmers of different education groups with the same capital are compared. Two groups are used—district school and more than district school. In every division the farmer with more than district school education made a greater average labor income than those with only district school education.

"The farmers with better education use their capital more effectively. That is, if given an equal start at the beginning of the year, the farmers with more than a district school education are ahead at the end of the year. On the average, the high school farmers have made \$211 more than the district school farmers with the same capital."

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Story of a Model School And How One Good Teacher Made It So

Editor's Note.—The school question now pressing hardest in Kansas, is how we are going to get good teachers and teaching in country schools. In no place are men and women of some experience in life, or special fitness for the work, more greatly needed. This little story shows what such a teacher can do. Also that we must make teaching worth while as an occupation. And that is another thing, as our friend Perimutter would say.

FOR several summers a model school has been conducted in a plain little country school house in Lyon county, under supervision of the Kansas State normal. The school is in a district southeast of Emporia, and the purpose of the demonstration was to show the best methods of teaching a country school to prospective rural teachers attending the normal.

At the end of last summer's term the school board of the little school asked

and others were bought by the school board.

While the boys received their lesson in manual training the older girls took charge of the little folks' classes. When the girls received their instruction in cooking on Tuesday afternoon the older boys looked after the lower classes.

The Girls Canned Vegetables.

School opened early in September and fruit and vegetables were canned or pickled as they came in season. On Halloween the Domestic Science club of the school invited the school board and patrons to a dinner at which these canned products were served. The girls' guests went away satisfied the cooking lessons had been a success. During the winter months the girls prepared daily a large bowl of hot chocolate which the teacher served with the cold lunches.

The school had no janitor. To give each pupil some share of responsibility the work of caring for the building and grounds was divided among them. The way they did this work was a revelation. Boys and girls alike learned to sweep and did it well. In groups of twos or fours the boys carried in the coal by turns. The little girls kept



the teacher, Mrs. Emily K. Hoelel, to return and continue the work through a winter term of eight months. A new furnace was installed, the two rooms thoroughly cleaned, and the desks and seats almost new, cement walks, and a large, well kept yard, "conditions were inviting to any teacher to do her best work," Mrs. Hoelel said, and she taught the winter term.

Thirty pupils were enrolled in grades from the first to the eighth inclusive, excepting the second. This meant plenty of work for each day's program but Mrs. Hoelel managed the difficulty with considerable ingenuity. The program was so arranged that the reading periods were of 15 and 20 minutes duration. The arithmetic classes recited by grades of twos. When a new topic was developed in the eighth grade arithmetic class the seventh grade class had written work. The eighth grade took its turn at writing when the seventh needed the teacher's undivided attention. The lower classes in arithmetic were managed in the same way.

The grammar period needed all of its allotted time, as it was the first year with the new text. The third and fourth grade language lessons were often united. Fewer recitations meant more time for each one but Mrs. Hoelel found thorough preparation of each lesson beforehand, the greatest time-saver.

Realizing that little folks cannot be expected to study books continuously, the teacher provided them with pleasant as well as profitable "seat work," and their reading, writing and spelling lessons were all the better for it afterward.

How Handicrafts Were Taken Up.

The older pupils were encouraged to get one lesson at home and the others during the morning. This gave them time between recitations in the afternoon for sewing, weaving mats and baskets, crocheting, manual training, etc. This afternoon work was so much enjoyed that the preparation of lessons during the morning never became irksome. Monday afternoons from 3 to 4 o'clock were devoted to instruction for boys in manual training. To teach the boys the practical application of this training all repair work and alterations on the school building were given them to do. One-half of the annex to the school building was fitted up with benches and tools for manual training and the other half for use as a kitchen. The mothers lent duplicates of their cooking utensils

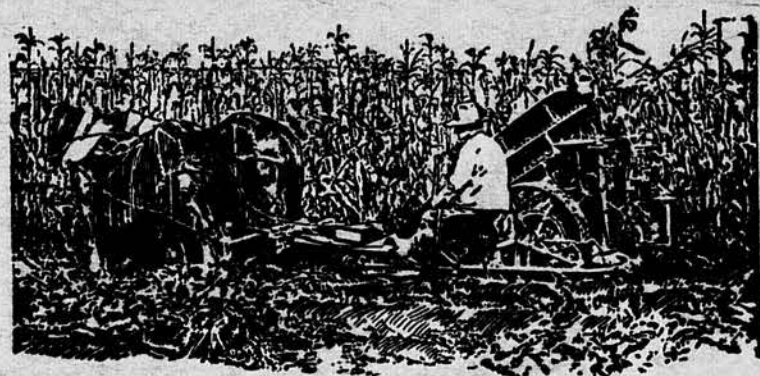
the wash stands and pans spotless. When the heavy snows came it was fun instead of work for the boys to clean off the walks.

Hand Made Christmas Gifts.

During the two weeks preceding Christmas all spare moments were spent in making gifts for home folks. Even the good school board was not forgotten. Every boy and girl from the largest to the smallest made some gift. The older boys made coat hangers, bread boards, etc. The girls crocheted doilies and handbags. The smaller pupils made doilies, tea trays, mats, and baskets. Many a parent was remembered for the first time with something that showed both work and love.

April 11 all the patrons of the district received neatly written announcements of an exhibition of the school's work. The boys showed samples of woodwork. The girls had baked bread, cake and cookies. The lower grades exhibited their work in basketry, whittled articles of wood, woven mats, etc. There were so many samples of work on display that each pupil stood a fair chance of winning a blue or red ribbon, or both. Maps, drawings, problems in arithmetic, and other written work also were shown. Six patrons judged the exhibit. This exhibition won over the last of the patrons who had opposed the teaching of cooking and handicraft. At the close of the year's work, when Mrs. Hoelel resigned to become county superintendent of schools of Grant, her home county, the school board was empowered to secure the best teacher that could be obtained to continue her work.

The ideas worked out in the Lyon county school by Mrs. Hoelel had previously been tried in a model school she had organized at New Ulysses, Kan. It is Mrs. Hoelel's opinion that the greatest fault in our rural school system is that teachers are underpaid. The salaries do not warrant young people who are capable, in going to the expense of properly equipping themselves to teach a country school. Mrs. Hoelel believes every rural teacher should be competent to train pupils physically and mentally, this training to include cooking, the use of tools, athletics of the right sort, and music.



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Going to School in Wagons

None Tardy Last Year at Kipp School

BY A. R. BALDWIN, Principal Kipp Consolidated School

Written for Farmers Mail and Breeze.

SCHOOL consolidation has proved a success at Kipp in Saline county. The town has a population of about 100. The school was established in 1911 by the consolidation of three districts. At that time the move was strongly opposed and carried by a margin of only one vote. Now not more than one or two patrons would go back to the old system if they could.

The theory of consolidation has worked out in a practical way at Kipp. We have three closed spring wagons, similar to hacks, that carry the pupils to and from school. Not a pupil from the wagon was tardy during all of last year. A wagon shed and barn room is provided to accommodate the horses of the wagon drivers as well as those of pupils who come in their own conveyances.



A. R. Baldwin.

to note the disfavor with which the classes look upon any member who does not try to make good grades. During the year two or three pupils came to our school from districts where discipline had evidently been lax. It was interesting to see the attitude of the other pupils and how the newcomers were made to feel they must come up to the standard of the class if they wished to be in favor either in the class room or on the playground.

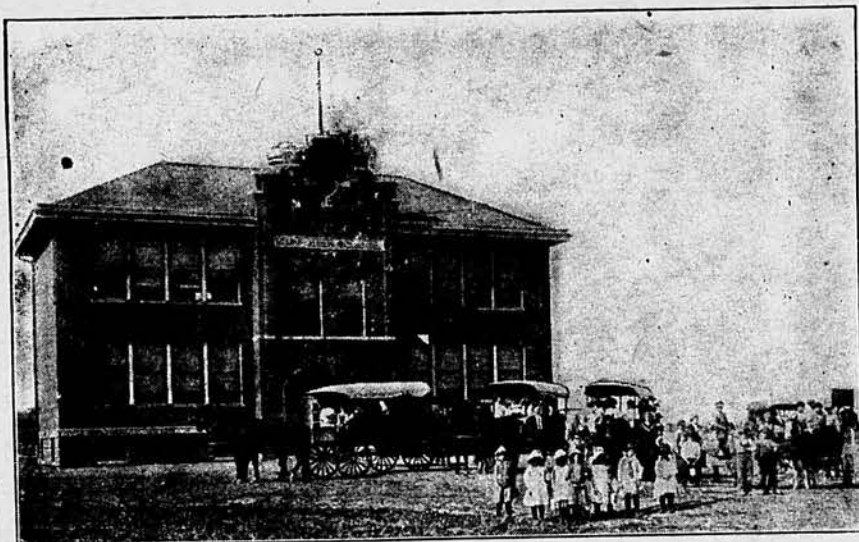
A literary society was maintained during the year which was effective in keeping up the interest of the school patrons. On one occasion we had a debate by the men of the community at which the pupils were attentive listeners, both to catch the mistakes and the good points made by their elders. At the close of school there were public exercises and a program by the grades and the women of the community served a public dinner. A play was given by the sophomore class and the money realized from admissions was deposited in the Kipp bank to be used as the pupils shall decide this winter.

High School Work Is Given.

The school building is a six-room modern structure built of brick. At present four rooms are in use including the high school room. The high school is meeting the requirements of the Barnes law which makes our school more expensive than the ordinary consolidated school having only the eight

Expenses of a Township School

The argument of increased expense is often used against centralized or consolidated schools. But the cost of keeping up a centralized school is not always or necessarily higher than under the old school system. The Adams township school in Champaign county,



Consolidated school at Kipp, Saline county, Kansas, a town of 100 population. It serves three districts as a grade and high school. Last year not one of the pupils on the wagon routes was tardy. The view shows the wagons about to depart on the homeward trip, after school.

grades. However, we participate in the Barnes fund next year and this will reduce the local cost of maintaining the school. The present expense of maintaining the whole school is about \$3,500 annually.

Although the county seat (Salina) is only 11 miles away it does not draw any pupils from our territory. Several parents in adjoining districts send their children to our school and pay tuition to give them the advantages of a graded school.

Good Support From Patrons.

There is a splendid school spirit here. The patrons do not complain of the extra expense and little disadvantages. Every system has its disadvantages and they realize this. They appreciate the advantage of giving their children the privileges of a graded school and fully accredited high school at home. The board pays the teachers well but expects efficient service from them.

The pupils have the right spirit too. They are just as full of life as any in the country, but the consolidated system makes possible a better supervision and direction of this healthy energy. They are proud of their building and grounds. The boys are much interested in agriculture and this year we are going to have a plot in one corner of the grounds devoted to experimental agriculture.

There is a wholesome rivalry among the pupils of the grades. It is pleasing

Ohio, maintains six elementary and three high school teachers, 12 drivers and a janitor; and the total expenses are no greater than they were under the old system. A report from this school indicates that consolidation in this case has proven of great benefit. The enrollment during the year was 309, with 74 pupils taking high school work. Teachers, pupils, and parents alike are enthusiastic over the new school and what it stands for. Pride in the school and the possibilities it offers to the young people have largely transformed school and social conditions in the township.

Let the State Pay Its Share

(Continued from Page 8.)

fit of wiser laws more justly administered? And these can be enjoyed only as the intelligence and integrity of the individual voter are increased by proper instruction and training.

This means there must be approximate equality of educational opportunity; that all our boys and girls must be offered as nearly as may be an equal chance.

We consider the Mail and Breeze the best farm paper we have.—F. F. Schenbeck, R. 3, Neosho Falls, Kan.

Kansas physicians who refuse to report their cases of tuberculosis will have to answer to the courts.

New Styles in School Houses

Combining Comfort With Sightliness

THE little country school pictured on the cover page of this week's Mail and Breeze, represents the standard or model type of building for a rural school in Kansas. There now are a number of such school buildings in the state, built of lumber as well as of brick. The kind of material is not as important as the building plan. The cover picture is of the new school house built for District 46 in Sumner county at a cost, complete, of \$3,500. On Sunday church services and Sunday school are held in it, it serves as a meeting place for the Young People's Social club and other neighborhood gatherings, and once a year the local Farmer's Institute holds a 10 days' meeting in the school house and has a state lecturer or two on the program.

The last 10 years have seen a great change in Kansas school houses. The little box type of house with its cross lights, big stove in one corner and unsanitary surroundings, has given place to a much better kind in which these serious faults are corrected. Besides a school house built for comfort and beauty, and set in neat, attractive grounds is in itself a daily lesson in right living. Surroundings as well as books and instruction have a vital effect on the life and character of young people. Combining the two in the right proportion will mean a higher grade of citizens in years to come.

A request for it, mailed to W. D. Ross, state superintendent of schools at Topeka, will bring you a pamphlet on school buildings and grounds, which gives plans for building the right kind of rural school houses and lighting, heating and ventilating them.

In locating the site of a new school building, a slight elevation is best, even if filling in is necessary. The north or west side of the road is preferred, as a border of protecting trees can then be planted on these sides without obstructing the front view. An east or south frontage is most to be desired.

Grounds Need To Be Roomy.

Few school yards are large enough. There is a growing demand for outdoor experimental work in agriculture and horticulture, for well directed games, and for trees and shrubbery. A 3-acre plot is none too large. Five acres would be better. Where grounds are large the building is properly placed in the center but well toward the front. This leaves room for two playgrounds, one for boys and one for girls. In a small yard of not more than an acre it is best to put the building near one side and close to the front, leaving room for one large playground.

The most approved method of lighting is where the light is brought in from a number of windows banked on the left hand side of the pupils. The north or east side of the building is preferred, the west and south sides following in order of desirableness. There should be no other windows in the main school room except two or three at the back placed above the blackboards.

The modern type of school building has an annex or gable addition on the side opposite the banked windows. This may be divided into cloak rooms, toilet room and work room, with space left at the center for the heater and a small fuel room. By providing folding doors for the work room, the teacher may oversee the pupils at work from her desk and extra seating can be provided for entertainments or special meetings.

Heating and Ventilating System.

The recommended systems of ventilation are those in which the fresh air is taken from one of the gable windows, whence it drops down an air shaft back of the heater, then ascends between the heater and its jacket. This pure, warm air enters the room over the heater at the same time that a large ventilating flue and vent register takes off the lower and impure strata of air. In this way the fresh air falls equally all over the room and no direct currents or drafts are possible. Also the double-jacketed heater is far safer than the old unprotected stove. It would be next to impossible to get the heater hot enough to set fire to the building.

An ordinary box type of school building may easily be remodeled, and these more modern features added. This is

being done in many instances but the mistake is often made of merely modernizing the exterior. The alterations should include moving the windows from the right side and placing them between those already on the left. Also the addition of a gable annex for work and cloak rooms, and a furnace. In case of a building of ample size a room might be partitioned off at one end for this purpose.

Trees and Shrubs For the Yard.

In the ideal school yard, tree plantings not only afford protection to the building and grounds but provide a suitable place for neighborhood picnics and other outdoor gatherings. When the school house fronts a road on the south a single row of white or American elms along the south border will be sufficient. Other trees may be nearly or quite as

(Continued on Page 15.)

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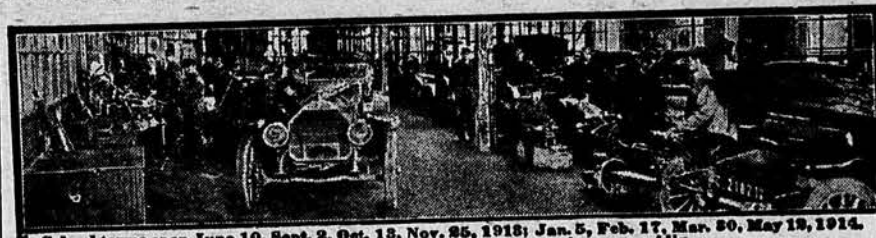
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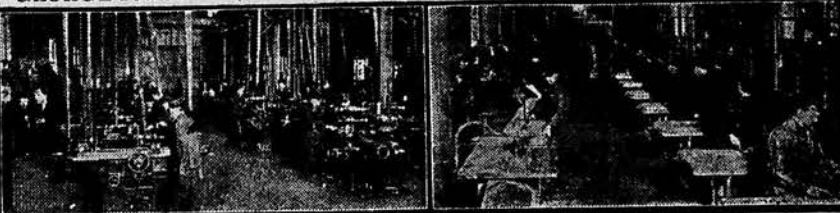
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Cribs corn lickety-split—stores small grain, too!
One boy with the Sandwich can crib as much as 7 men with scoops. Juror John F. Helkens' 11-year old son ran theirs as good as his dad, while the other children picked the crop.

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Here's positive proof you are farming at a loss without the Sandwich. Corn huskers like picking where this Elevator does the drudgery. They'll work for less wages. They'll pick 10 to 15 bu., more per day. Juror C. H. Keller, Marshall, Minn., saved 1c a bu. this way. On hundreds of farms it has cut out the expense—the keep—of extra men and teams, and has added this too, to the farmers' profits. Some say this elevator increases their earnings 8c per bu.,—some say 4c. Yet the Sandwich costs but little and is everlasting.

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And the name of a dealer nearby who will show you the Everlasting Sandwich. This book pictures it—tells the inside facts of Elevator construction—why we build of Cypress "the wood eternal," line it with steel and give you the best, though we make less money. This book gives you, besides, the measurements and capacities of cribs and graneries. You'll want them if you ever build—you'll want to see the Sandwich anyway. Address now—

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The Mogul Power Lift Engine Gang is a triumph in the building of Traction Engine Plows, and is the Ideal One-Man Outfit, as the engineer can operate the plows without leaving his place on the engine.

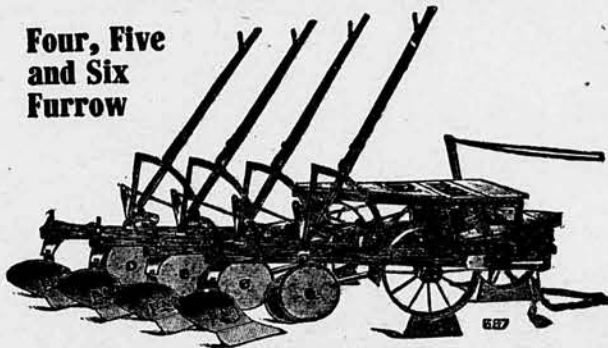
In this plow we have not only provided a simple and substantial device for automatically raising and lowering the plows, but we have made it complete in every detail and it is a plow that can be operated with extreme ease.

Consider what it means to be able to adjust the depth of the bottoms without stopping the engine and getting out a collection of wrenches. Consider what it means to be able to raise any one of the bottoms to clear obstructions or hold it up while finishing a "land". Consider how important it is to be able to raise all the bottoms a trifle when ascending a steep grade for the purpose of easing up a little on the engine.

No other power lift or automatic plow combines all the features found on the Mogul. The power lift appliances are all built low, enabling us to provide a platform for the operator. The platform is hinged at the front end and can be thrown up for the purpose of oiling the working parts.

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Agriculture in School Experiences of Teacher and Pupils

BY J. T. HUNTER

Superintendent of Schools, Kincaid, Kan.

Written for Farmers Mail and Breeze.

THESE experiences of an inexperienced teacher of agriculture in a village high school may be the means of encouraging more teachers to introduce this long neglected subject into their schools.

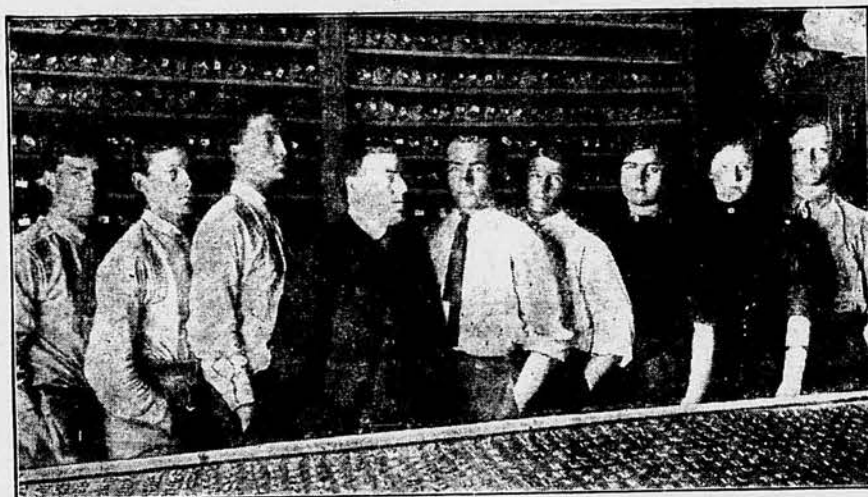


J. T. Hunter.

At the Kincaid school, agriculture was introduced in the senior year. The class studied corn the first month. Later the students prepared booklets on corn or some other agricultural subject for exhibition at the annual fair at Kincaid. Cash prizes were awarded by the fair association for first and second best booklets submitted from each room. The school was given a booth to display its

early discovery by the students that they did not know nearly as much about corn as they at first thought they did. All the bulletins available were obtained from the Agricultural college and the U. S. department of agriculture. They were ordered in duplicate and the contents card-indexed. Using the text as an outline the students were required to read certain bulletins referred to and report on them. Laboratory exercises taken from the text and the bulletins were worked out. Farm Bulletins on corn No. 408 was valuable in this work. Warren's Elements of Agriculture was studied from cover to cover.

The most interesting phase of all the work was the corn germination tests made early in the spring. A large seed-bed and corn rack which would hold 10 bushels of corn were made by the students. Then the local paper announced the class would be glad to test all the seed corn farmers would furnish for



Class in agriculture at Kincaid school. Seed corn rack holding 10 bushels in the background. Germinating box shown in the foreground.

work and it was plain that the fair visitors were much interested in the exhibit.

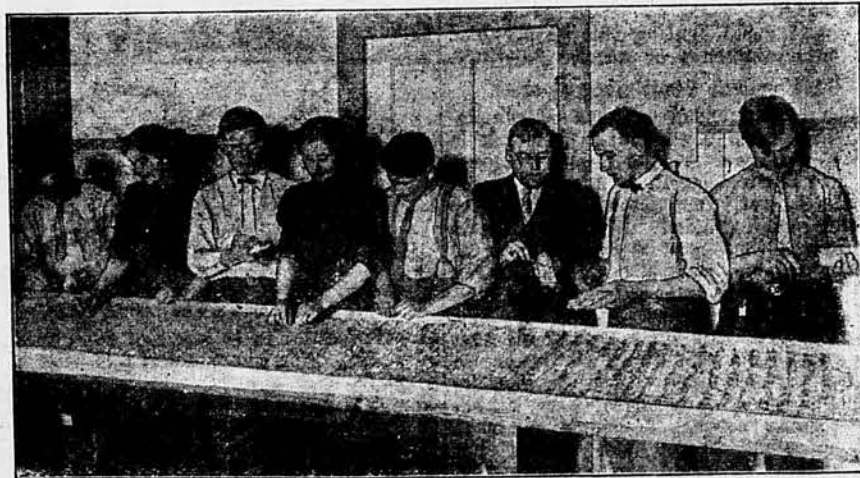
The first day of the fair the high school class in agriculture scored the fair's corn show. The following day the same ears were scored by an expert from the agricultural college and prizes were awarded to the students whose scoring was closest to that of the judge.

At the next fair, in addition to the school's exhibit, the high school class submitted booklets on dairying and also scored two dairy cows. The eighth grade class scored the corn.

At the beginning of the term last year the attention of the high school class was directed exclusively to corn. Growing corn was brought into the school room from the fields nearby and parts of the stalk examined and sketched in note books. Fields were visited to notice the growth on different kinds of soil and the effect of cultivation. Old corn was studied, germination tests were made and much attention was paid to corn judging. The Corn Primer bulletin published by Kansas Agricultural college was used as a textbook. One striking feature of the work was the

testing and report on it. While many did not avail themselves of the first test, the farmers who saw the result of it passed the word along that the boys were really doing good work, and the class had no trouble about getting plenty of corn for the next test. This was brought off in a room full of men who had come from 5 to 8 miles on a rainy day to get the information it would disclose. Students and teacher were soon answering telephone calls asking when the next test would come off and if there was room for more corn. Soon the halls and laboratory began to look more like a corn crib than a school building. Four weeks were spent in corn testing and when the class quit some of the farmers desired to have the work continued. As this couldn't be done, a number of farmers who had not made a practice of testing, took up the work on their own account. The school tests were made somewhat in accordance with the suggestions found in Farmers Bulletin No. 253, but subsequently improved upon in several ways.

Last fall at the close of the first month of school four boys who had been doing failing work in Latin asked per-



Selecting six grains from each ear for testing. A total of 4,413 ears were tested by the class in agriculture at Kincaid school the first spring. Only 65 per cent were found suitable for planting.

mission to drop that subject and take up agriculture. This was granted. These boys were among the best students in the agricultural class.

During last year the class in agriculture did much work on farms and among farmers, learning from them and passing on this information to others.



High School Building at Kincaid, Kan.

Some of the farmers asked to have students sent to their fields to select seed corn for them. Others offered their cows to let the boys experiment in testing milk or working out balanced rations.

To teach agriculture as it has been presented here requires much time of the teacher. But when the students go into it and enjoy it, he will discover he is helping in an effective way to make farm life more interesting and attractive to boys and girls.

Commission for County Schools

(Continued from Page 3.)

5. It will make it possible to secure specially trained teachers for the departments of agriculture, mechanic arts and home economics.

6. Experience has proved better teachers can be obtained for the same money for consolidated schools than for one-room schools.

7. The consolidated school will become the social center for community life.

8. It makes it possible for the county superintendent to give the schools thorough supervision. Under the present plan in Kansas, the county superintendent is forced to spend most of his time on the road going from one school to another. If, instead of the 150 one-room schools in a county there were 20 consolidated schools, the superintendent could spend one day each month in each school. Under the present plan he spends a part of one day each year in each school.

The larger unit of organization is not an experiment. It is working successfully in many of the states. Some states have the township and others the county, as a unit of organization. Results show that the county unit is more efficient under conditions as they exist in Kansas.

The great progressive state of Kansas owes a large per cent of its millions of wealth to the farmer, the farmer's wife and his boys and girls. Kansas is not offering to the farm boys and girls an educational opportunity equal to that offered to city boys and girls. Kansas

can never give the farm boys and girls a square deal as long as she limits their educational opportunities to those of the inefficient, one-room school.

The answer to the rural school problem in Kansas will be obtained by changing the unit of school organization from the district to the county by consolidating and centralizing district schools, and by making it possible to secure continued expert service in the positions of state and county superintendent.

A Lively Lesson in Arithmetic

Mr. Editor—Recently I visited a little 1-room school in Douglas county, Colorado, and heard an interesting open air recitation on the dairy cow. A gentle Holstein was borrowed for a judging demonstration. Every minute of the next half hour sparkled with life and interest as the children swarmed over bossie. While one pupil with his tablet resting on her forehead was giving her a grade for "muzzle" a half dozen others were resting theirs against her sides, giving her various per cents for "quarters, barrel, or udder."

The older ones did not hesitate to use fractions with a reasonable degree of accuracy and facility, and it is doubtful if they ever had a better lesson in oral expression. That lesson had more life in its arithmetic than a score of problems in the book, while as a language lesson it was better than "page 123" in the grammar.

An expert was present and several of the older pupils came within 10 points of grading the cow correctly, while one boy, who was in the contest gave her the correct score. There was nothing difficult about the exercise, either for the teacher or any of her older pupils, and after a second demonstration she could conduct such a recitation herself.

C. G. Sargent

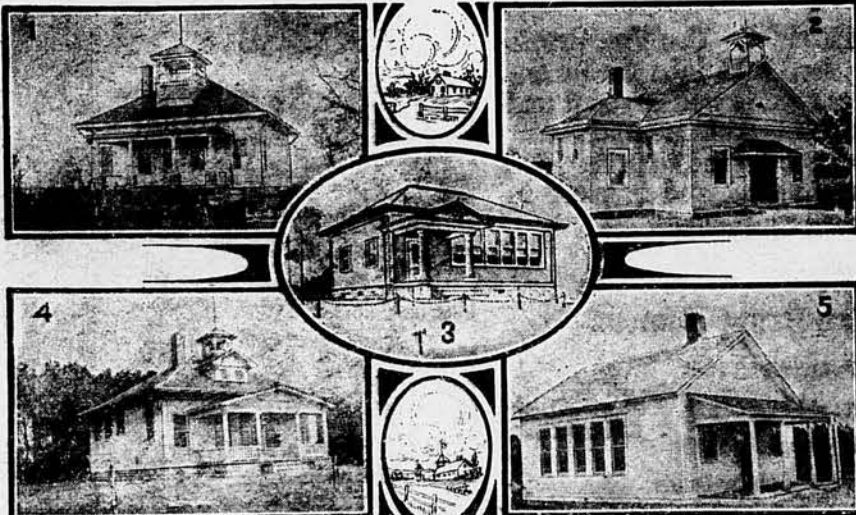
Colorado Agricultural College, Ft. Collins.

New Styles in School Houses

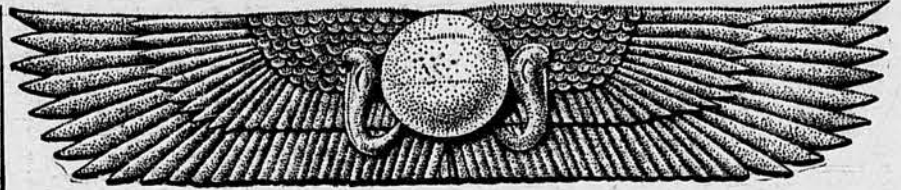
(Continued from Page 13.)

good but the elm should be first choice in Kansas where it can be made to grow. This row of trees should be set in 8 feet from the roadside with the trees 35 or 40 feet apart. In case of a public road on the east the same plan may be followed. A mistake often made is to plant the grounds too full of trees. There should be plenty of open space about the school house. The place to plant trees and plenty of them is on the west and south sides around the outer border. For these plantings elm, hackberry, green ash, sycamore, maple, walnut, catalpa, oak, hickory, Lombardy poplar, and cottonwood are all good. A few evergreens as Austrian, white, and Scotch pines, White and Colorado Blue spruce, arborvitae, larch, and Douglas fir, planted in the foreground of the larger trees add much to the beauty of the grounds and protect them from cold winds in winter.

Nearer the building and about the well and outhouses is the place for clumps of shrubbery. Flowering shrubs such as spirea, Forsythia, honeysuckle, barberry, mock orange, and lilacs should be planted in profusion.



Five Kansas school houses each with modern features. All are Brown county examples except No. 3 which was built in Franklin county at a cost of \$1,300. No. 1 cost \$2,500 to build; No. 2, \$2,200; No. 4, 2,250; No. 5, an old building remodeled, expense not given. The improvements included banking the windows on one side and adding the porch.



Symbols of Protection

Ancient Egyptians carved over their doorways and upon their temple walls the symbol of supernatural protection; a winged disk. It typified the light and power of the sun, brought down from on high by the wings of a bird.

Mediæval Europe, in a more practical manner, sought protection behind the solid masonry of castle walls.

In America we have approached the ideal of the Egyptians. Franklin drew electricity from the clouds and Bell harnessed it to the telephone.

Today the telephone is a means of protection more potent than the sun disk fetish and more practical than castle walls.



The Bell System has carried the telephone wires everywhere throughout the land, so that all the people are bound together for the safety and freedom of each.

This telephone protection, with electric speed, reaches the most isolated homes. Such ease of communication makes us a homogeneous people and thus fosters and protects our national ideals and political rights.



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I have just made one of the largest dictionary purchases ever shipped into the West. I got them for a price away below the usual wholesale rate—a price so low, in fact, that I can give these books free—as long as my supply lasts—to the readers of this paper. I will send one of these big value dictionaries free and prepaid to all who fill in the accompanying coupon remitting just \$2.00 to pay in advance for a 3 years' subscription (156 big numbers) to my well known farm weekly, "The Farmers Mail and Breeze."

My supply, while large will not last long on such an offer as this! So if you want to get in on this great bargain, sign and return the coupon with \$2.00 today. The coupon must be used, or the wording copied on a piece of letter or note paper in order to secure this special price. Renewal or extension subscriptions accepted on same terms as outlined above.

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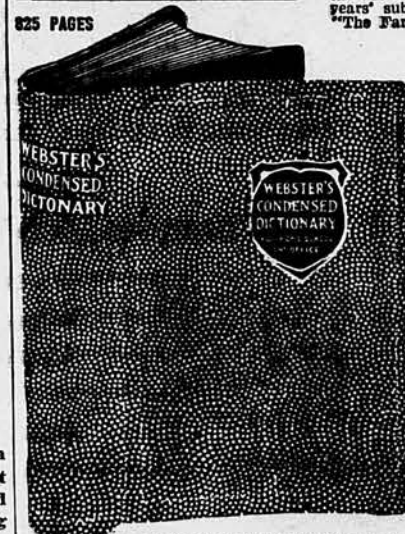
Dear Sir: I desire to accept your special offer and enclose herewith \$2.00 to pay for 3 years' subscription to Farmers Mail and Breeze, and you are to send me, prepaid, one leather-bound "Webster's 825-Page Dictionary" as per your offer.

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Leidigh's Answers TO FARM QUESTIONS

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

Testing Land for Clover and Grass.

I have some new land and should like to know if it is adapted to alfalfa or clover. Would sowing several varieties of these crops on the land be a good way to find out?—J. W. M., Adona, Ark.

You will doubtless secure best results if you plant a mixture of several things instead of just two or three varieties. If you will use a little more or a little less of this mixture, according to your judgment, I believe you will find it satisfactory: Orchard grass, 10 pounds; Meadow fescue, 5 pounds; Kentucky bluegrass, 10 pounds; timothy, 5 pounds; Red clover, 5 pounds; White clover, 1 pound; White Sweet clover, 2 pounds. This is a total of 38 pounds of seed to the acre. By sowing it you would be able to determine whether or not clover, and even Kentucky bluegrass will do well on the land. A. H. Leidigh.

Mix the Combination Silage.

Would it do to place alternate layers of Kafir and alfalfa in a silo?—A. B. W., Rush Springs, Okla.

The method suggested is not practical. If you put more than one kind of material in the silo at the same time, you should mix this material as it goes to the cutter. Handled in this manner, you will have a mixture of alfalfa and Kafir all the way through your silo. By the method suggested you will one day be feeding alfalfa and some other day Kafir. A still more objectionable feature is that the alfalfa plant does not make a good grade of silage, and if placed in the silo alone in this manner, would not keep well. On the other hand, if you will mix 1 part of alfalfa straw with 3 or 4 parts of good green Kafir, I believe both will keep all right, owing to the changes brought about by the Kafir. If the material keeps when mixed this way it will certainly feed all right and will contain food from the alfalfa not found in abundance in the Kafir silage.

Kafir for ensilage should be cut after the grain is made and before it is brittle. If this mixture is put up at that time, it will probably only be necessary to wet the alfalfa straw as you throw it on the cutter. A. H. Leidigh.

What to Do for Stinking Smut.

I have a field of wheat which is infested with stinking smut. I think it must have come from the seed I bought as it has never appeared in the field before. If I get clean seed will there be smut in this field next year, or will it be in the ground from this year? Is there any way to treat the seed?—M. N., Atchison county, Kansas.

The spores which transmit stinking smut of wheat may remain in your soil and cause the disease next year. Also you may get some infection from the drill with which you planted last year's seed. Ordinarily you may entirely free your wheat from this disease by either getting new seed or by treating the seed you now have.

There are many ways of treating wheat to kill smut. Probably the easiest method to use is known as the formalin treatment. Formalin is a clear liquid which may be bought at the drugstore. For stinking smut of wheat add 1/2 pound of formalin to 30 gallons of water in a barrel or similar receptacle. Dip the seed into this for two hours—better leave your seed loose in a sack and move it about in the water from time to time. Spread out to dry before using. Or you may sprinkle the grain thoroughly with the solution, shoveling over rapidly to distribute the mixture well, then place in a pile and cover with sacks for two hours. After that spread out the wheat to dry. The dipping material may be used more than once. Any solution left over can be used to clean the drill or sacks. If you sow the seed while it is swollen you must, of course, set the drill to plant a little more seed an acre. A. H. Leidigh.

Many Promotions by Request

Mr. Editor—I find in our country schools the children are pushed rapidly from one grade to another without much attention being paid to the individual. The fault is not altogether with the teacher. Each pupil wants to be ad-

vanced with the class, whether he is ready or not; and the mother is sure her John and Mary are as smart as the others and they have to be sent with the class. Nine out of 10 teachers haven't the backbone to stand the pressure. So half the class is smuggled through to the higher grade, thence on to the graduating class, where it ends in a farce in the minds of those who watch proceedings and know the pupils.

The course of study is too rigid. Just so much must be done in a year; the slow child cannot accomplish it, so must be boosted over it. There are so many grades; so many years in high school; so many terms in college. Then they must specialize. Life is a third gone before they are declared ready for work. Can't our country schools be made so thorough that the average boy or girl can take the common school education without this fuss and feathers and go to work? Mrs. M. E. Underwood. Jennings, Kan.

Penmanship—A Lost Art

Mr. Editor—Writing seems to have become an outcast from our public school course so far as actual practice is concerned. The slighting of this branch has become more marked each year. Our educators have gone wild on everything else while writing is passed over as unimportant.

The common branches constitute the foundation of every education. They were the ends in view when provisions were made for common schools in our state government and they are still the object sought by practical citizens for our boys and girls. And yet practically all school children are allowed to pass through the grades, the high school, and the university even, with such limited skill in writing that in most cases "hen tracks" would be a better name for their efforts than penmanship.

While very little provision is being made to properly teach penmanship in the common schools still less instruction is given in the institutions which prepare our teachers. Teaching penmanship has become a lost art because our teachers are no longer trained for the purpose. John G. Ellenbecker. Marysville, Kan.

Heating a Small School House

Mr. Editor—Did you ever go into a small schoolroom where in cold weather the air was heavy, and part of the room was warm, perhaps too warm, and part of the room uncomfortably cool; where the attention of teacher and pupils was distracted by the discomforts due to bad heating and poor ventilation?

Proper heating and ventilation now may be secured for schools by installing a heater of moderate cost. Old buildings

may have this new system put in with scarcely any alteration. The outfit may be bought ready to install.

The proper way to heat and ventilate a schoolroom is to have fresh air from the outside brought into the building, then heated and let into the room above the breathing line, say 8 feet above the floor. This fresh warm air is made to flow gently down upon the pupils, and after it has been used for breathing and warming purposes, passes along the floor and is drawn out of the room at the floor line, and not somewhere upon the side walls. It is necessary to have a strong draft to make this system work, as some of the air, after having been breathed, becomes heavier than the atmosphere and sinks instead of rising, and in its sluggish condition needs considerable urging to cause it to move. The new heater does this and is one of the greatest blessings that has come to the little school house in a long time. J. W. Lawrence. Colorado Agricultural College, Ft. Collins.

Compete For Cream in Nebraska

The big creameries are not going to have everything their own way in Nebraska. In many localities co-operative creameries are being established, and those already established are doing well. A recent instance is the Broken Bow co-operative creamery, right in the heart of the alfalfa belt. It has a capacity of 8,000 pounds of butter and 600 gallons of ice cream a day.

The many readers of Farmers Mail and Breeze who have been patrons of the International Harvester Company, and the M. Rumely Company, will be interested in the announcement just made that M. R. D. Owings, for so many years an official of the International Harvester Company in charge of their I. H. C. Service Bureau, and who broadened the scope of that work until it has become recognized as a substantial factor in the development of agriculture all over the world, has just been elected a Director and Vice President of the re-organized M. Rumely Company. Mr. Owings was one of the first men in the implement business who recognized the fact that the making and selling of farm machines is more than a business enterprise because of its vital connection with the food supply of the world. His efforts were largely instrumental in enlisting the great resources of the International Harvester Company in the encouragement of improved farming methods. Mr. Owings leaves the International organization on the friendliest terms and there is no doubt that he will be a tower of strength in his new field, and his connection with the re-organized Rumely Company will have a marked benefit upon the farm implement trade.

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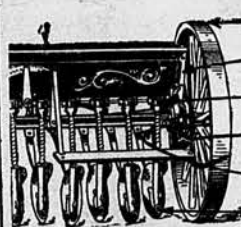
Big demand for trained men. Earn from \$75.00 to \$150.00 per month. Learn all about automobiles in six weeks by THE "SWEENEY SYSTEM" of practical experience. In our machine shop, garage and on the road you learn by actual experience how to repair, drive, demonstrate and sell automobiles. Write today for catalog and certificate, entitling you to free 30 course in running traction engines—we own two tractors. Only auto school in the world teaching traction engineering. Send name today. SWEENEY AUTO SCHOOL. 1121 Woodland Ave., Kansas City, Mo.



AVOID WINTER KILLING

Plant less seed, but plant it right. Use Van Brunt. With the Van Brunt disc, seed falls into the furrow when it is wide open. Every seed is well covered and every plant protected from frost. This is important. The "Van Brunt" secures a good stand with the least amount of seed. The saving in seed and increase in crop make the price of the drill seem small.

These Features Made Van Brunt Famous



- Wheels always stand true
- Hopper trussed—don't sag
- Adjustable gate force feed
- Bearings extend under frame
- Adjustable spring pressure
- Every seed at bottom of furrow

Van Brunt Drills

Even Seeding. The Van Brunt adjustable gate feed guarantees an even flow of any kind of seed without bunching or damaging a single kernel.

Correct Planting. Disc openers will not choke or clog in any ground that can be seeded. Seed falls into the furrow when it is wide open; it beats the dirt.

Light Draft. These drills are light weight, but strong. Trussed hoppers, full length axles and wheel bearings extending under frame, make the light-draft drill.

Durability. Disc bearings are guaranteed for the life of the drill. Any that wear out are replaced free. All parts of Van Brunt Drills show the result of fifty years experience in drill making.

Our new free drill book tells the complete story of Van Brunt superiority. Write and ask for book, VB No. 12.

John Deere Plow Co.
Moline, Illinois



Dairy Farming

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

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

A dog which worries stock is dear as a gift.

A feed of something while milking will often make a stubborn cow let down her milk.

The quantity of milk in the pail is the most dependable sign of a good milker.

Dairying does not bring its best returns until it is made a business instead of a chore.

A quarter spent for a batch of butter paper is money well invested where butter is marketed.

If everything else has failed to abolish the mortgage try a few good cows and a cream separator.

Pasture or other feed will go farther when there is plenty of water, shade, and protection from flies.

When a cow is foundered, plenty of water to drink and very light feed, will often correct the trouble.

Watch the man who uses a Babcock tester on his cows the first time. Ten to 1 there will be a change in his herd soon after.

If it will only rain enough to provide feed, August this year will not be considered the worst month on the calendar for dairymen.

When milk sours before all the cream has had a chance to rise, not only will the butter be poor in quality but some of the cream will be lost.

For Bloat Try a Lump Of Lime.

Mr. Editor—For quick relief in case of bloat I take a lump of unslaked lime the size of an egg and put it in a pint of luke warm water. After slaking I drench the animal with it and it will begin belching at once. The danger then is past. This remedy will beat the knife any time. William Littlefield.

Belvue, Kan.

How a Good Cow May Be Spoiled.

Mr. Editor—The best forecast of the future dairy cow is the number of pounds of feed received from weaning time until 2 years old. Large, strong cows are the results of care while heifers. The dairyman must be both a breeder and feeder. The dairy cow, like all specialized animals, has a tendency toward reversion. Scant feeding causes as rapid reversion toward the unimproved type as does careless breeding.

The animal must adapt itself to its surroundings, and reversion is no more than adaption; so if the food supply is not sufficient the greatest development, which means the greatest efficiency, is not possible. W. A. Barr.

Colorado Agricultural College.

Good Butter in Hot Weather.

[Prize Letter.]

Mr. Editor—I use a stone jar churn in hot weather and set it in a tub of cold water direct from the well. Before putting in the cream I scald the jar well then cool it. Only enough cream is put in to make the jar set firm as I want room to put in cold water later to help gather the butter.

I always wash the butter until the water is clear, then drain and salt. I put in two to three times as much salt as is required as I pour water over the butter which takes up part of the salt. While in this brine the butter is set away in the cave until late evening when the brine is drained off and the butter worked. Next morning I work it again and it is then ready to pack in jars or be marketed.

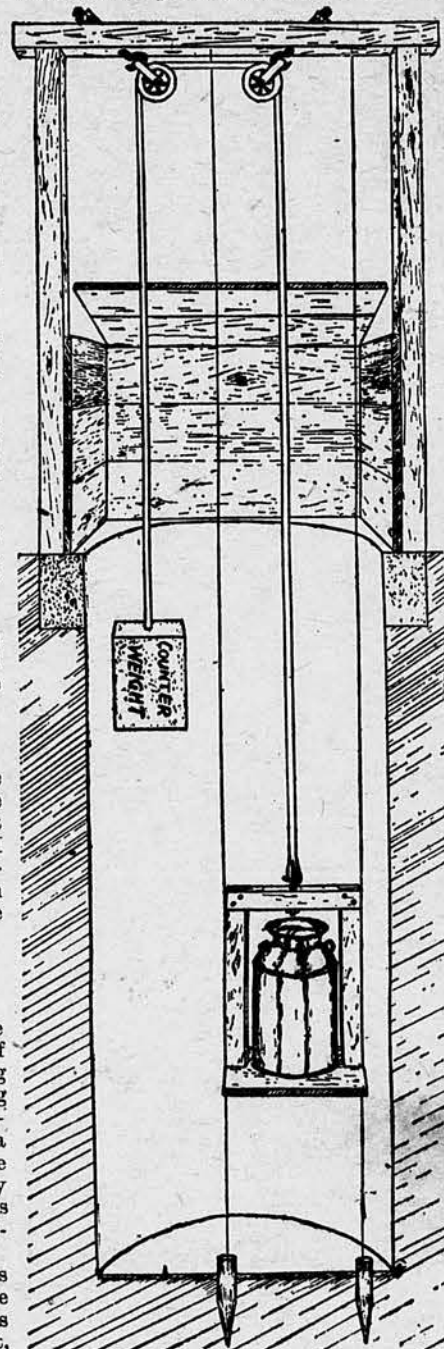
If not sold at once, I rinse the jars in cold water but do not dry them as

the wet sides keep the butter from sticking. When packed full I place a wet cloth over the top, press it close around, then put an inch of salt on top. This method has kept butter fresh for me for two weeks and then brought the best market price. I have made butter in this way for years, some weeks as high as 100 pounds. I have found that a great deal depends on properly washing and salting the butter. Hooser, Kan. Mrs. Julia Buck.

Pits For Cooling Cream

BY J. H. FRANDSEN,
Dairymen, Nebraska Agricultural College.

Where it is difficult to get a good supply of cold water, or in newly settled sections where not enough dairying is done to warrant building a milk house, pits or shallow wells can be used for cooling milk and cream. Experiments indicate these pits may have a temperature or less than 70 degrees when the outside temperature in the shade is 104. When these special pits are used for no



A cooling pit for milk and cream—an inexpensive substitute for a milk house or cooling tanks.

other purpose, the milk and cream is usually of a much better quality than if stored in the ordinary cave containing vegetables, as milk and cream readily absorb odors.

A well or pit suitable for cooling cream should be 10 or 15 feet deep and may be cemented, bricked, or boarded up as seems best under local conditions. The drawing illustrates one of these pits and shows a simple hoisting apparatus with counter weight. The two guide wires running from the upper framework to the two stakes in the bottom, keep the elevator in place. Lincoln, Neb.

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

Beware of ice-cold drinks in excessive hot weather.

HOT WEATHER the Ideal Time to Use a DE LAVAL CREAM SEPARATOR

There is no time when the use of the DE LAVAL Cream Separator is so indispensable to the profitable production of cream or butter as during the hot weather of midsummer.

The use of the separator at this season usually means the difference between a profit and a loss in dairying. It accomplishes a great saving of butter-fat that goes to waste with any other method of separation and enables the production of a higher quality of cream and butter-fat than is otherwise possible.



Moreover with a DE LAVAL the advantages over other cream separators are greatest at this season because the separation is more complete and the cream heavier and more even in texture. The machines turn more easily and the capacity is greater, getting the work through more quickly.

If you haven't a separator you can scarcely afford to defer the purchase of a DE LAVAL, or if you have a separator which is not doing satisfactory work there is no better time to discard it in favor of a DE LAVAL, first trying the machines side by side for your own satisfaction, which every DE LAVAL agent will be glad to give you the opportunity to do.

See the nearest DE LAVAL agent at once or if you do not know him write us direct for any desired information.

THE DE LAVAL SEPARATOR CO.

NEW YORK CHICAGO SAN FRANCISCO SEATTLE

WANTED—RIDER AGENTS in EACH TOWN and district to ride and exhibit a sample 1914 Model "Ranger" bicycle furnished by us. Our agents everywhere are making money fast. Write at once for full particulars and special offer. NO MONEY REQUIRED until you receive and approve of your bicycle. We ship to anyone, anywhere in the U.S. without a cent deposit in advance, prepaid freight, and allow TEN DAYS' FREE TRIAL during which time you may ride the bicycle and put it to any test you wish. If you are then not perfectly satisfied or do not wish to keep the bicycle you may ship it back to us at our expense and you will not be out one cent. **LOW FACTORY PRICES** make at one small profit above the actual factory cost. You save \$10 to \$25 middlemen's profits by buying direct of us and have the manufacturer's guarantee behind your bicycle. **DONOT BUY** a bicycle or a pair of tires from anyone at any price until you receive our catalogues and learn our unheard of factory prices and remarkable special offer. **YOU WILL BE ASTONISHED** when you receive our beautiful catalogue and study our superb models at lower prices than any other factory. We are satisfied with \$1 profit above factory cost. **BICYCLE DEALERS** you can sell our bicycles under your own name plate at double our prices. Orders filled the day received. **SECOND HAND BICYCLES**—a limited number taken in trade by our retail stores will be closed out at once, at \$3 to \$8 each. Descriptive bargain list mailed free. **TIRES, COASTER BRAKE** and everything in the bicycle line at half usual prices. **DO NOT WAIT**—but write today for our Large Catalogue beautifully illustrated and containing a great fund of interesting matter and useful information. It only costs a postal to get everything. Write it now.

MEAD CYCLE CO., Dept. F131 CHICAGO, ILL.

APPLETON SILO FILLERS

Handsome, illustrated booklet giving 30 convincing reasons for buying the powerful, low down, underslung, cut-under oak frame, Appleton Silo Filler, mailed free. Write for it to-day.

APPLETON MFG. CO., 497 FARGO ST., BATAVIA, ILL., U.S.A.

BEATRICE Cream Separator

Low Priced
With Every Good Separator Feature

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

Be Your Own Veterinarian

Earn from \$100 to \$300 per month. Address
G. & G. Laboratory
1617 Grand Ave. Kansas City, Mo.

ECONOMY STEEL SILO ROOF

No silo is complete without it. For Round Silos—wood, cement, hollow tile, brick or concrete. 26 gauge steel. Easy to put on. Rust and Lightning Proof.

DES MOINES SILO & MFG. CO., 512 NEW YORK AVE., DES MOINES, IOWA.

The unscreened home is the season's greatest danger.

UNIT STEEL SILO DOOR FRAME
FOR BRICK, HOLLOW TILE, CEMENT AND CONCRETE

SILOS

Gives masonry silos every advantage of stave silos. Rigid door frame, continuous ladder, bevel refrigerator doors, each door a unit. Write for folder.

UNIT STEEL SILO DOOR FRAME CO., 2933 N. SECOND ST., DES MOINES, IA.

"Ropp's Commercial Calculator"

A Book of Great **FREE** Value to Every Farmer

This book is the greatest time and labor saver ever offered the American farmer. It is also a great money-saver and money-maker. It shows you how to accurately and instantly figure out any problem that may come up—how to figure estimates, wages, taxes, and interest on any sum of money, any number of days, at any rate—tells bushels and pounds in loads of grain; correct amount at any price; weight and prices of livestock; contents of cribs, wagons, bins, etc. It is a "lightning calculator" always ready when you want it. Bound in red cloth covers, 128 pages, pocket size. One copy of this famous book free to all who send 25c for a year's subscription to our well-known home and farm monthly.

VALLEY FARMER Dept. 11 TOPEKA, KAN.

Save \$50 to \$300

I absolutely guarantee to save you \$50 to \$300 on any Galloway gasoline engine. Made in sizes from 1 1/2 h. p. to 15 h. p. My famous 5 h. p. engine—without an equal on the market—sells for \$99.50 for the next 60 days only! Buy now! Same size costs \$225 to \$300 through your dealer. Think of it! Over \$200 Galloway engines in use today. All sold on same liberal, free 30 Day Trial Offer! I make you—and all giving satisfaction. Isn't that proof enough?

Get My Catalog and Low Direct Prices

Write me before you buy any other style or make. Get my catalog and low direct prices on the famous Galloway line of frost-proof, water cooled engines. Free Service Department at your disposal. My special 1913 offer will help you get an engine partly paid for with out cost to you. Write today. Do it now.

WILLIAM GALLOWAY COMPANY,
46 Galloway Station, Waterloo, Iowa

Erte's Cyclone—3-Stroke

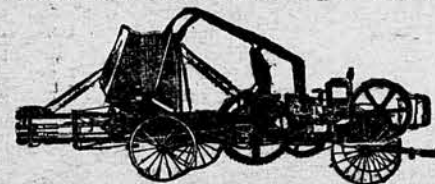
WILL BALE 20 TONS OR MORE A DAY AT COST OF ONLY 40c A TON. Make big money baling for your neighbors after yours is done.

The Cyclone is powerful, durable, repair-proof—made almost entirely of finest steel. Unbreakable steel baling chamber, adjustable tension, makes smooth, clean, tight bales, 75 to 125 lbs. as desired. Three strokes each circle. Self-feed. Works at stack, barn or windrow.

Here's the biggest money maker you can buy. Low price. Free trial and absolute guarantee on every press. Write today—full information free.

Geo. Erte Co.,
386 Ky. St., Quincy, Ill.

SELF FEEDER AND SELF-TYER



The Tuttle combined power hay press and the self-tyer does it. 2 men can run it. 3 men is a full crew. Fully guaranteed for 12 months. SELF-TYER AND ALL.

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

Eli Motor Baler

Capacities 2 1/2 to 3 tons per hour. Built so engine can easily be used as a portable general utility engine. Runs press without belt or sprocket chain.

No Vibration Complete Line 4-Cycle, 6 and 12 H. P. Horse and Power Balers Double Engine

Write for Free Catalogue
COLLINS FLOW CO., 1210 Hampshire St., Quincy, Ill.

ADMIRAL 2-MAN PRESS

FEEDS ADMIRAL 2-MAN PRESS SELF FEEDER—CONDENSING PACKER
ADMIRAL HAY PRESS CO., KANSAS CITY, MO. Box 37

Shoo-Fly

THE ANIMALS' FRIEND
Keeps flies and other insects off of animals—in barn or pasture—longer than any imitation. Used and endorsed since 1885 by leading dairymen and farmers.

\$1 WORTH SAVES \$20.00
In milk and flesh on each cow in a single season. Heals sores, stops itching and prevents infection. Nothing better for galls. Kills lice and mites in poultry houses.

SEND \$1. If your dealer can't supply you. We'll send you enough Shoo-Fly to protect 200 cows, also our 3-tube gravity sprayer without extra charge. Money back if not satisfactory. Name Express Office. Booklet FREE. Special terms to agents.

Shoo-Fly Mfg. Co., Dept. N 1310 N. 10th St., Phila.
Editor knows from experience that Shoo-Fly is O. K.

12 Beautiful 7-Color 10c COLORADO 10c Scenic Post Cards

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

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

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



FOSTER'S FORECASTS

(Copyright 1913 by W. T. Foster.)

Washington, D. C., Aug 2.—Last bulletin gave forecasts of disturbance to cross continent August 3 to 7, warm wave 2 to 6, cool wave 5 to 9. This storm will be of greater than usual force, very cool about three days preceding its arrival and very warm about three days after it has gone by. Not much rain. Bad weather for corn, good weather for spring wheat where rainfall was sufficient in July.

Next disturbance will reach Pacific coast about August 7, cross Pacific slope by close of 8, great central valleys 9 to 11, eastern sections 12. Warm wave will cross Pacific slope about August 7, great central valleys 9, eastern sections 11. Cool wave will cross Pacific slope about August 10, great central valleys 12, eastern sections 14.

Unusually hot and dry weather will prevail while this disturbance is passing and the corn and cotton crops will be injured thereby. Storms will not be of great force and general weather will be favorable to those who wish to take their summer outings. Good spring wheat weather will continue to prevail where July rains were sufficient.

Third storm wave of August will reach Pacific coast about 12, cross Pacific slope by close of 13, great central valleys 14 to 16, eastern sections 17. Warm wave will cross Pacific slope about August 12, great central valleys 14, eastern sections 16. Cool wave will cross Pacific slope about August 15, great central valleys 17, eastern sections 19.

Does it Pay to Force the Moul

Mr. Editor—Last August I began feeding my chickens, young and old, a mash made of 3 parts wheat bran and 1 part cornmeal. To each 2 1/2 gallons of this mixture I added 1 pint of what I bought for oilmeal but later found to be cottonseed meal. I fed this mixture once or twice a day for three or four weeks to the whole flock. The old birds shed their feathers nicely without the loss of a single fowl. The young stock grew rapidly and made much better development than usual on this feed. But what seemed strange, I got a good supply of eggs during the entire moulting season, something unusual for fowls yarded and without green forage.

Esbon, Kan. Mrs. J. I. P.

High Living Makes Feathers.

Mr. Editor—The shedding of the old feathers and growing the new crop is a critical period in a hen's life. If one wants hens to moult early for exhibition or other purposes, starving for about a week, then putting them on a

full ration, usually will have the desired effect. The growing of new feathers requires rich and nourishing feeds, with plenty of drinking water, freedom from vermin—in short life should be made comfortable as possible for them. Treated in this way they soon grow their new feathers and in good flesh and vigor begin laying. Such feeds as wheat, oats, skim milk, meat foods, clover and green food should be given.

Rice, Kan. Mrs. A. E. Thompson.

Let Nature Take Its Course.

Mr. Editor—In my estimation nothing is gained by starving birds as this lost strength must be regained. Nature has provided for this period by stopping the laying organs and turning this strength to meet the strain of moulting and therefore I don't believe extra foods are necessary afterward. I believe in surrounding the flock at moulting time as at all other seasons, with the things that nature would provide—an abundance of good water at all times, green stuff, seeds, grains, worms and bugs, or meat, and let them feed at will. For grain I prefer millet and Kafir. They should have gravel to pick, plenty of fresh air, exercise and clean quarters.

Anthony, Kan. O. C. Stevenson.

Sulphur and Lime Help.

Mr. Editor—When I want to force hens to moult early I keep all grains away from them and only allow them to have bran, vegetables, and grass until they get poor and quit laying. The feathers soon begin to drop but the hens will look pale and ragged. Moulting can be aided by putting 1 tablespoonful each of sulphur and lime in a warm mash. This is enough for 50 birds and should be fed them once a day for about 10 days then twice a week until they are completely feathered. If the sulphur seems to cause looseness of the bowels feed less of it and add a little cayenne pepper to the mash. Last year my hens were through moulting in August and had laid some eggs in July.

Gravette, Ark. Mrs. F. Weide.

Four Big Papers For \$1.10

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

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

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

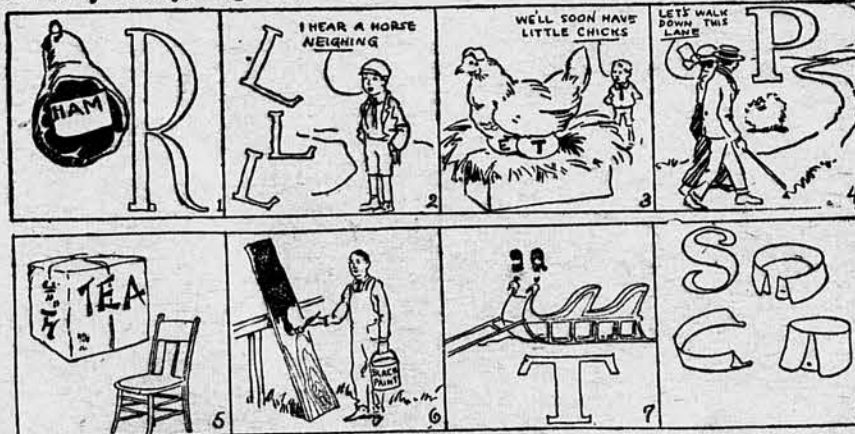
THE KANSAS WEEKLY CAPITAL, the oldest and best weekly newspaper in the entire Southwest.

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

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

A Puzzle For Mail and Breeze Boys and Girls

WHAT tools do the pictures in the upper row suggest? What objects you have seen in the school room do the pictures in the lower row suggest? A set of postcards will be awarded for each of the best 10 solutions received by Friday, August 8. To your solution attach your name and address,



then mail to Farmers Mail and Breeze, Topeka, Kan., being sure to mark in the lower left-hand corner "Puzzle Department." ENCLOSE NO OTHER BUSINESS WITH YOUR SOLUTION. Prizes are awarded not only for your skill in solving the puzzle but for the neatness, originality and general care taken in preparing the answers.

Reliable Poultry Breeders

FARMERS MAIL AND BREEZE POULTRY RATE.

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

DUCKS.

FOR SALE—My entire flock of English Indian Runner ducks, \$1 each. Paul Grill, Ellsworth, Kan.

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

WHITE INDIAN RUNNER ducks (Fisher strain). A chance to get good ones at a low price; \$1.50 each. A. E. Kroth, Havensville, Kan.

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

ORPINGTONS.

BUFF ORPINGTONS. Choice cockerels and cock birds for sale. A bargain if taken soon. August Petersen, Churdan, Ia.

LEGHORNS.

ROSE COMB WHITE LEGHORN eggs. Fifteen, one dollar. One hundred, five dollars. Mrs. C. S. Wade, Miltonvale, Kan.

PLYMOUTH ROCKS.

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

BARRED ROCKS. Stock and eggs. Mrs. D. M. Gillespie, Clay Center, Kan.

BUFF ROCKS—A few breeders and young stock for sale. William A. Hess, Humboldt, Kan.

WYANDOTTES.

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

SEVERAL VARIETIES.

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

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

SIRENIA OIL

Drives Flies from Horses and Cattle

Easy to apply—no pump—no sprayer—no trouble—just apply on the animal lightly every few days. Use in poultry house, it's death to lice. Send us your dealer's name if he cannot supply you, and we will send you a booklet free, on uses of Sirenia Oil.

UNITED STATES WHIP CO.,
Westfield, Mass.

SEED WHEAT, Improved pure strain
of Turkey Red. Recleaned and graded, \$1.25 per bushel, bags extra at 25 cents each. Sow hardy, northern seed for increased yield. Turkey Red made record yield of 70 bushels per acre in Illinois this season. L. C. BROWN, Ladang, Ill., Farm Seed Specialist

MAKE YOUR BIKE A MOTORCYCLE

at a small cost by using our Attachable outfit. FITS ANY BICYCLE. Easily attached. No special tools required. Write today for bar gain list and free book describing the SHAW Bicycle Motor Attachment. Motorcycles, all makes, new and second-hand, \$25 and up.

SHAW MANUFACTURING CO.
Dept. F, Galveston, Kansas.

SECURITY CORRUGATED METAL GRANARY

is strong and easy to put up. It is rat, fire, water and thief proof, and is built to stand the knocks of rough farm use. It has a double door, and a manhole in the roof. A hopper and a spout furnished free.

The perforated tube ventilation system, with outside connections, allows air to circulate through the grain, drying and keeping the grain with perfect security. We pay the freight to your station. Write today for free circular and prices.

KANSAS CULVERT CO.,
501-2 N. Tenth St., Salina, Kansas

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 past two weeks have been spent by the editor of this department in cool Minnesota. It really is cool there, delightfully so. Except for a few hours in the middle of the day everyone while I was there wore coats, and most of the evenings were too cool to sit on the porch. There are said to be 10,000 lakes in Minnesota, and I don't doubt it at all, if every part of the state is like the region I saw, around St. Paul. Boating, bathing and fishing are the sports of everyone, except those unfortunates who are afraid of water, and it is an ideal place to spend a while during the hot weather.

"Subscriber" asks, "Will you kindly give me the recipe for making rose beads, and the kind of oil that is used on them?" This recipe was published in the May 24 issue of Farmers Mail and Breeze, and since roses are now out of bloom it will hardly be profitable to publish it again at this time. Rose beads are polished with olive oil.

Another reader asks, "Can you through the Women's Department send a sure cure for these little red ants which like to get into our cupboards? And what does F. R. ever use that bottle of nasturtium seeds for which she describes in the Mail and Breeze of July 12? Is it for an ornament, or what?" Oil of sassafras is said to drive ants away from any place where they are not wanted. Dip a few small pieces of cloth in the oil and scatter around the cupboard shelves and they will leave. Nasturtium seeds make excellent pickles, or a relish for meat.

Little Things About the House.

[Prize Letter.]

Success or failure depends on the manner of doing the small things which form the sum total of house work.

Water bottles and vases can be cleaned by filling with vinegar, washing with soap and water and wiping dry.

Egg stains can be removed from silver by rubbing with salt on a damp cloth.

To remove the odor of onions from the hands, rub them thoroughly with salt, then wash them in clear water.

To remove stains from egg shells soak in milk, then wash in clear water.

Add a small piece of butter to your starch for clothes and the ironing will be easier and the clothes have a better gloss.

Wipe the range with brown paper after using and it will keep bright and clean.

Tough meat may be made tender by parboiling in vinegar a few minutes.

A small quantity of green sage placed in the pantry will keep out red ants.

Turpentine mixed with stove polish prevents rust and gives a brighter gloss than water.

Keep flowers fresh by putting a pinch of soda in the water.

To clean curtains too frail to wash, rub lightly in two sievesful of flour mixed with a cup of gasoline. Hang out in a breeze. This will make them look like new. Mayme E. Eubank.

Mount Pearl, Colo.

What a Girl's Dress Means.

[Prize Letter.]

There is much being said just now in regard to woman's dress, but is there not call for it? It seems to me if girls and young women—and some older ones, too, possibly—realized the great responsibility that is theirs, if they realized that they have it largely in their power to control the lives of men and that a modestly dressed woman is much more respected than the one who though pure herself dresses more or less after the fashion of the "red light woman, they would be more careful of their manner of dress. Girls, do you know that when we set a high moral and spiritual stand-

ard for the young men, when we abstain from the "very appearance of evil"—such as vulgar skirts, too low necks and too short sleeves, extreme fashions of any sort, nearly all of which, I believe originate in the underworld—when we live pure, sweet, womanly lives, then and not before will we have done much to make the world better.

A few weeks ago I read an article in a Physical Culture magazine criticizing a certain mother for not allowing her 3-year-old daughter to wear low neck and short sleeves for fear "she would grow up with the habit." The writer said that if a man was evil-minded he would think evil thoughts, no matter how many clothes a woman wore; but in making such a statement she surely ignored the law of suggestion. However, perhaps the mother was a bit radical, for innocent childhood gives license to some things that may not be permissible later. For instance, a sweet little doll-faced girl of four yesterday in church climbed into the lap of a young man (married) and lightly kissed his cheek. Should she do the same thing 10 or 15 years hence—well, his wife might object and I'm afraid the girl would at least be considered forward.

Not quite a year ago a sweet girl told in my hearing of a young man, an Ep-

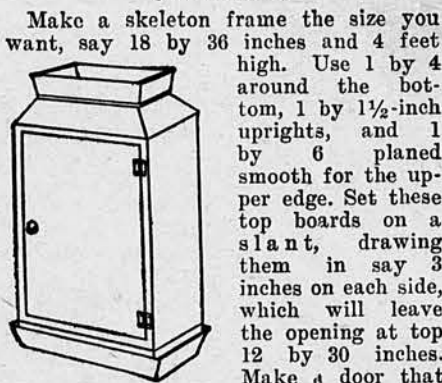
The finished product on the farm is children. Good crops, good animals and a good home have but one end—the development of children. The rural neighborhood which has fine stock in the pens, and poor schools, is failing in its purpose.

—ARTHUR CAPPER.

worth League president, saying at a convention that if girls only realized their influence and responsibility in regard to the lives of young men they could do so much. Sisters, if they realize this should not we? Are we all making the most of our many opportunities? Let's quit trying to look fashion plates of sin and acting like simpletons, and be women such as God meant we should be, fit to be the sisters, daughters, friends, sweethearts, wives and mothers of noble men.

Butter Cool Without Ice.

[Prize Letter.]



Make a skeleton frame the size you want, say 18 by 36 inches and 4 feet high. Use 1 by 4 around the bottom, 1 by 1½-inch uprights, and 1 by 6 planed smooth for the upper edge. Set these top boards on a slant, drawing them in say 3 inches on each side, which will leave the opening at top 12 by 30 inches. Make a door that will just fit inside of frame on one of the sides, then cover the whole frame with a closely woven burlap. Have a pan made just to fit in the top, and have the tinner punch very small holes not more than ½ inch from the bottom and about 3 inches apart. When the pan is filled with water the water will run from these holes down the outside of the boards and onto the burlap covering, and keep the whole covering wet. If necessary, enlarge the holes until you have enough water. Have a shallow pan made for the bottom, 1 inch larger all around than the box. Set your burlapped box in this pan and set the other on top, and keep the burlap wet. It cools by evaporation. It can be set in the house or out doors in the shade or in

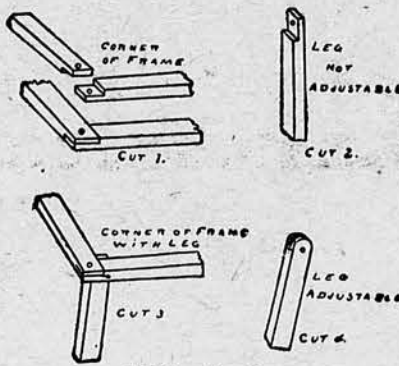
the sun. If you keep the burlap wet it will keep butter as hard as a refrigerator with ice, even with the thermometer at 120 degrees. The lower pan should have a waste pipe for carrying off the surplus water but not in the bottom as some water should be in the pan all the time to keep insects from crawling under into the cooler. J. A. Jeffries.

Livingston, Calif.

Poultry Netting Cot Bed

BY JOE S. WADE.

To make a serviceable cot bed at a total cost of not more than 75 cents, often much less, proceed as follows: Make a frame of 2 by 4 dressed lumber, size 2 feet 10 inches by 6 feet. Join corners as in Cut 1, and bolt with ¾-inch bolts 4 inches long, using iron washers on both ends of bolts. Then



Making the Legs.

take a piece of poultry netting with a 1-inch mesh, 3 feet wide and a little over 6 feet long and fit to top of frame. Nail evenly and securely with small staples.

To make the legs of cot, saw four pieces each 2 by 4 by 16 inches, fit at top to frame as in Cut 2 and bolt to frame. If desired the legs can easily be made adjustable and cot can be moved from room to room, or while not in use it can be stored away. To make legs adjustable round top of leg so that it will turn; slightly bevel the bottom, as in Cut 4 and fasten a neat wooden block



As It Looks Finished.

under frame behind leg for it to rest against. When in position fasten bolt firmly but not so tightly as to render leg immovable. Paint the wood any desired color and cot is complete.

Should the cot be made for use out of doors get galvanized netting. The only tools required are a saw, a square, a ¾-inch auger, a hammer, a wrench for the bolts and an ordinary pocket knife. After long use the netting may break here and there. In such case nail another layer of netting over it and it will be as good as new.

Fruit Canned in the Oven.

When canning fruit try putting the fruit in the jars, adding water to cover, and setting in the oven to cook while you are getting dinner. When done take out and put the rubber on jar, add a little boiling water if necessary, and seal. Tomatoes keep fine when put up this way. Richland Center, Pa. Mrs. M. T.

A Fruit Ice Cream.

One quart milk, 1 quart cream, 1 quart fruit, 3 cups sugar. Mix sugar and fruit together, press through a colander and freeze. This is very delicious. Mrs. A. F. Johnson.

R. 1, Vliets, Kan.

Some Handy Ways With Cake.

I had some sour cream today so I made a sour-cream spice cake. I am serving squares of it with sauce for dessert this evening. Tomorrow I will ice squares of it and serve in that fashion. Later I will serve some of the cake with fruit and whipped cream. I hollow out each cake square, put fresh or preserved fruit in the hollow and place a spoonful of whipped cream on top. One cake baked in a long shallow pan will, under different disguises, serve as dessert for a number of times. Robinson, Kan. Just a Reader.

Are You FAT?

I Was ONCE.

I Reduced MYSELF.

I was Fat, Uncomfortable, Looked Old, Felt Miserable, suffered with Rheumatism, Asthma, Neuralgia. When I worked or walked, I puffed like a Porpoise. I took every advertised medicine I could find. I Starved, Sweated, Exercised, Doctored and changed climate but I ruined my digestion, felt like an invalid but steadily gained weight. There was not a single plan or drug that I heard of that I did not try. I failed to reduce my weight. I dropped society, as I did not care to be the butt of all the jokes. It was embarrassing to have my friends tell me I was getting Stout, as no one knew it better than myself.

SOMETHING HAD TO BE DONE

I began to study the cause of FAT. When I discovered the cause I found the remedy. The French Method gave me an insight. I improved on that. Removed the objectionable features, added more pleasant ones, and then I tried my plan on myself for a week. It worked like magic. I could have

SCREAMED WITH JOY

at the end of the first week when the scales told me I had lost ten pounds by my simple, easy, harmless, Drugless Method. It was a pleasure then to continue until I regained my normal self in size. I feel fifteen years younger. I look fifteen years younger. My Double Chin has entirely disappeared. I can walk or work now. I can climb a mountain. I am normal in size. I can weigh just what I want to weigh. I am master of my own body now. I did not starve, but eat all I wanted to. I did not take Sweat Baths. I did not Drug. I used no Electricity, or harmful exercises, but I found the Simple, Safe Common Sense WAY of reducing my weight and I applied it. I have tried it on others. My Doctor says I am a perfect picture of health now. I am no longer ailing. I am now a happy, healthy woman. Now I am going to help others to be happy. I have written a book on the subject. If you are fat, I want you to have it. It will tell you all about my Harmless, Drugless Method. To all who send me their name and address I mail it FREE, as long as the present supply lasts. It will save you Money. Save you from Harmful Drugs. Save you from Starvation Diets. Harmful Exercises, possibly save YOUR LIFE. It is yours for the asking without a penny. Just send your name and address. A Postal Card will do and I'll be glad to send it so that you can quickly learn how to reduce yourself and be as happy as I am. Write today as this advertisement may not appear again in this paper.

HATTIE BIEL, 1133 Barclay, Denver, Colo.



Good Qualities

large varieties and right prices are the three strong points that make the demand for Big Store's merchandise. You will always find what you need here whether your requirements are for serviceable or luxurious garments, fabrics or furnishings.

When you order by mail you will get as good merchandise and attentive service as when you come to the store to shop.

Remember our offer to refund railroad fare according to purchase, or pay express and parcels post on mail orders in Kansas.

THE MILLS DRY GOODS CO.
Topeka, Kansas

LEARN THE BIG MONEY TRICKS of the POULTRY TRADE! Big Illustrated Book of Success Secrets FREE

The well-known poultry authority, Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of everyone interested in raising poultry. This book, "Tricks of the Poultry Trade," tells three methods of selecting the laying hen: A sure and certain method of selecting eggs for hatching; How to raise 500 chickens on a lot 30 by 40 feet; How to build a natural hen incubator; How to build feed hoppers and fireless brooders; How to make feed at 10 cents a bushel; How to make winter egg ration, poultry feeds and tonics, egg preserver, house killers, etc. All these and many more subjects are fully covered in this great book which we're giving away FREE on this plan:

OUR OFFER: We will give you one year's subscription to our big weekly farm Magazine, Farmers Mail and Breeze, one year's subscription to Poultry Culture, the best Poultry Journal in the West, and one copy of this great book of poultry secrets—all for only \$1.25. State whether you are an old or new subscriber. Address at once, Mail and Breeze, Dept. PC-10, Topeka, Kansas

HOME DRESSMAKING

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

Ladies' Waist No. 6234 is cut in five sizes, 34 to 42 inches bust measure. Size 36 requires 2½ yards of 36-inch material.

The pattern for Girls' Dress No. 6235 is cut in five sizes, 4 to 12 years. Age



8 requires 3¾ yards of 36-inch material. Ladies' House Dress No. 6182 is cut in five sizes, 34 to 42 inches bust measure. Size 36 requires 5¼ yards of 36-inch material and ¾ yard of 27-inch contrasting material for trimming.

USE THIS COUPON FOR PATTERN ORDERS.

Farmers Mail and Breeze, Pattern Department,
Topeka, Kan.
Dear Sir—Enclosed find cents, for which send me the following patterns:
Pattern No. Size
Pattern No. Size
Pattern No. Size

Name

Postoffice

State

R. F. D. or St. No.

BE SURE TO GIVE NUMBER AND SIZE.

If Ants Come In the House.

An invasion of ants is something the woman on the farm must be prepared for every summer. They may not come, but more than likely they will. Mrs. S. Sheets of Corning, Kan., has found an easy way to take care of them. She says: "To drive ants away from cupboards or shelves saturate a few small pieces of muslin with oil of sassafras and lay around. In a few minutes the ants will be gone."

"Ants always come and go by a roadway, and there are ants coming and going on that roadway all the time. So I follow the line till I find the place where they enter the house," says Mrs. M. A. Boardman of Grand Rapids, Mich., "then paint the place with a streak of peppermint oil. They came in my front door once, so I painted a streak clear across the sill. When they reach the peppermint they will run away as fast as they can go. I killed what were in the house, and the others never returned."

After you have succeeded in keeping them out of the house the next thing is

to get rid of those inside. Take a mixture of tartar emetic and sugar, perhaps 1 teaspoon of the emetic to 4 of sugar. Mix the two well together and spread around. The ants will eat it, and in a very short time they will have disappeared.

No Trouble to Can Beans.

[Prize Letter.]

If those who requested a way to can beans and peas will try this plan I know they will be pleased with the results. I tried the beans this way last year and they were as good and fresh as if just taken from the vines: String, snap and wash nice tender green beans and fill glass cans with them. Crowd them in tight, for they will shrink some when cooked. Allow 1 teaspoonful of salt for each quart. Place the cans on a folded cloth in the wash boiler (or other vessel that can be covered) and fill boiler with warm water to within 2 inches of tops of cans. Pour boiling water over the beans in the cans, filling the cans to overflowing. Put on the can rubbers and lids but do not screw down. Boil 1 hour, keeping the boiler covered then remove from fire. Let sit 15 minutes, then take off the can lids and pour in more boiling water to overflowing, for you will find the vegetables have soaked up much of the water.

Screw on the lids not too tight, let sit till next day then loosen lids and boil again for an hour. Repeat the same process the third day and tighten the lids firmly. When the water in the boiler is cool enough remove the cans and stand upside down for an hour, to be sure they are air tight. The cans need not be removed from the boiler after they are set in the first day until they are tightened for the last time. Simply set the boiler off the stove until ready to boil again. Put cloths between the cans so they will not jostle.

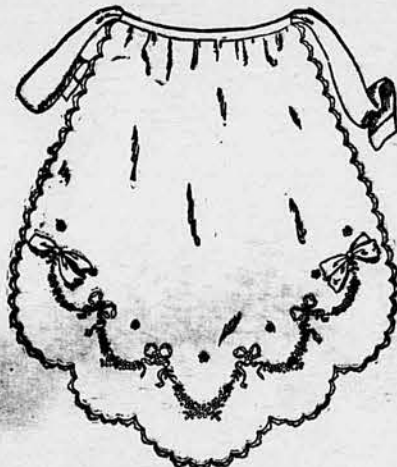
Mrs. William Lamb.

R. 7, Carthage, Mo.

[Corn, pumpkin, and other vegetables may be canned the same way.—Editor.]

Embroidered Apron Design.

The embroidery design of tiny flowers, leaves and bow knots illustrated makes a pretty afternoon apron. Such an apron should be made of lawn, batiste, or some other thin material. The embroidery may be entirely in white, or in white and delicate colors. The flowers are so small that no padding is



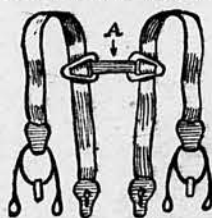
11-11-92—Tea Apron.

necessary, but the bow knots may be slightly padded, also the scalloped edge before it is buttonholed. Ribbon bows or rosettes are attached at the ends of the festoon. The embroidery pattern for this apron (11-11-92) may be obtained from the Mail and Breeze Pattern Department Topeka, Kan., price 10 cents.

Suspenders the Farmer Likes.

[Prize Letter.]

It was not until last summer that I learned the proper style of suspenders for a working man to wear. The old cross-backs rot out the backs of the shirts and cause irritation and itching, breaking out of heat, etc., along the backbone. Last summer I tried some of the kind illustrated, and now I will wear no other style. The cross-piece (A) holds them on the shoulders.



Norwich, Kan.

J. A. Crandall.

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

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

"BLUNDERS OF A BASHFUL MAN"

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

The World's Funniest

Fun Book

FREE

FREE OFFER This funniest of all funny books will be sent you absolutely free, by mail, postpaid, upon receipt of only 25 cents to pay for one new, renewal or extension subscription to our big home and news weekly. Address at once: WEEKLY CAPITAL, Dept. F. B. 10, TOPEKA, KAN.



6 Beautiful Narcissus Silver Tablespoons FREE

To Match Our Teaspoons

Extra Special 20-Day Offer To Mail and Breeze Readers!

Here is a chance for every housewife who reads the Mail and Breeze to secure absolutely free a set of 6 of our famous Narcissus Silver Plated Table Spoons. During the past 5 years we have given away thousands of sets of these beautiful table spoons, but never before have we been in a position to make such an attractive offer as we are now making to the women folks who read the Mail and Breeze.

Owing to our large purchases we have secured a price on these spoons which we believe is about one-fourth the price any local dealer would ask for the same grade of goods.

We have searched through the silver plate markets of the world and have never been able to find, at anything near the same cost, goods of such remarkable wearing qualities and of such beautiful design as this justly famous Narcissus set.

Full Standard Length and Weight

These are not small sized dessert spoons which are usually offered as premiums. These spoons are all full standard table spoon size, 8¼ inches long—handle 5¼ inches long, bowl 3 inches long and 1¼ inches wide. They are silver plated and handsomely engraved and embossed in the beautiful Narcissus design, same as the Narcissus teaspoons which we have been giving away for more than two years. Bowl is highly polished and the handle finished in the popular French gray style. The Narcissus design extends the full length of the handle on both sides. The gray finish of the handle contrasts with the bright polished bowl and produces an effect that is decidedly pleasing.

We could send you hundreds of enthusiastic letters from those of our readers who have received these spoons on other offers we have made in the past. We know they will please you, too—and if they don't you can send them back within 5 days and we will cheerfully refund every penny of your money.

Here Is Our Offer:

For the next 20 days, or as long as our supply lasts, we will give one set of 6 Narcissus Table Spoons free and postpaid to all who fill out the coupon printed below and send \$2 to pay for a three-year new, renewal or extension subscription to Farmers Mail and Breeze.

We will send one set free and postpaid for three one-year subscriptions to the Mail and Breeze at our regular rate of \$1 per year. One of these subscriptions may be your own renewal, but the other two must be new subscriptions.

If you want to be sure of securing one of these beautiful sets before our offer is withdrawn clip out the coupon and send it in today. Address

FARMERS MAIL AND BREEZE, TOPEKA, KANSAS.

Use This Coupon Now!

Publisher Mail and Breeze, Topeka, Kansas.

I am enclosing herewith \$2 to pay in advance for a three-year subscription to Farmers Mail and Breeze. You are to send me as a free premium, postpaid, one set of 6 full size Narcissus Silver Plated Table Spoons. This is a (new) (renewal) (extension) subscription.

Name

Address

(If you send 3 one-year subscriptions use a separate sheet of paper for the 3 names.)



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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.

WHY NOT ADVERTISE YOUR LIVESTOCK ON THIS PAGE?

If you have a few pigs, a young bull or a Jersey cow to sell, this is the place to find a buyer. The rate is only 5 cents a word per issue. If you need anything in the way of breeding stock, try a small ad on this page.

HORSES, CATTLE, HOGS, SHEEP.

FOR SALE—4 good O. I. C. boars. 6 Jacks. 3 stallions. Joe Fox, Greeley, Kan.

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

CLOSE'S up-to-date Poland Chinas. 50 choice Apr. and May pigs at farmer's prices for quick sale. C. D. Close, Gorham, Kan.

EIGHTY RED YEARLING steers to sell or pasturage needed. Christian helpers and tenants wanted. Trained colliers for sale. Jno. Marriage, Mulhenville, Kan.

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

MULE FOOT hogs. Choice spring pigs, either sex. I have never yet heard from a dissatisfied customer. Prices reasonable. Lakeview Stock Farm, W. A. Bone, R. 2, Silverlake, Ind.

HORSE OWNERS, something new and better; sure, quick, simple cure for spavin, ring bone, poll evil, fistula, big jaw. Write for easy trial lot offer. D. Hopkins, St. Francisville, Mo.

DOGS.

SCOTCH collie pups, from registered heeler. Box 66, Inman, Kan.

GREYHOUND pups for sale, \$5.00 each. Idle Hour Kennels, P. O. Box 176, Guymon, Okla.

FOR SALE—Cheap; Scotch collie pups; farm raised. Can be registered. Belden Bros., Hartland, Kan.

SCOTCH COLLIES—Pedigreed, workers and show dogs. Shipped anywhere. Welcome Arch Collie Kennels, 1833 East 28th Ave., Denver, Colo.

FOR SALE.

SECOND HAND motorcycles. D.H. Bibens, Larned, Kan.

FOR SALE—Two gas tractors. S. B. Vaughan, Newton, Kan.

THREE GREAT PIANOS—Steinway, Steck, Vose. Write for prices. Jenkins Music Co., Kansas City, Mo.

FOR SALE—1910 Sears auto buggy, good condition, very cheap; may take in good motorcycle. J. Krug, Herkimer, Kan.

FOR SALE—Job printing office, paying well. Will consider small paper as part or suburban tract. Address W90, care Mail and Breeze.

\$8,000 GENERAL merchandise and home to exchange for farm in Kansas. A healthy business. Write owner. E. Hopfer, Alta Vista, Kan.

NEW extracted honey 120 pounds \$10.00; 60 pounds \$5.25. Broken comb, 115 pounds \$12.00; 58 pounds \$6.25. Bert W. Hopper, Rocky Ford, Colo.

FOR SALE—Butcher shop, ice, poultry and hides, in town of 400; the only bld. of this kind in town; paying 100% annually. Address Jno. W. Scott, Ford, Kan.

FOR SALE—Auto truck, good as new, 15 horse, capacity 2,000. Will do the work of 2 teams. Will sell at a bargain if sold soon. Address Wilson, care Capital office.

FOR SALE—New 14 in. steel-beam, self-sharpening walking plows \$9.00 delivered your station, guaranteed absolutely satisfactory or money refunded. McReynolds Transfer & Storage Co., Chickasha, Okla.

SEEDS AND NURSERIES.

FOR SALE—Alfalfa seed; clean; extra quality; seven to eight dollars per bushel. H. E. Clark, Republic, Kan.

ALFALFA SEED for sale. I have about 100 bushels of choice alfalfa seed for sale at \$7.00 to \$8.00 per bushel f. o. b. cars. Ask for samples. E. A. Fulcomer, Belleville, Kan.

FOR SALE OR EXCHANGE.

QUICK SALES, exchanges. Large property list. Write John L. Maurer, Omaha, Neb.

FOR SALE OR TRADE. Up to date telephone plant, 500 phones, good town. S. C. Holmes, Yates Center, Kan.

LIST YOUR EXCHANGES with us. List them at just what they are worth. Say what you want and where. Boyer & Co., 306 Commerce Bldg., Kansas City, Mo.

\$6,000.00 STOCK gen. mdse., small town E. central Kan.; good condition and doing excellent business. Owner aged; must quit; will sell right or exchange for small farm in central Kan. Address "Opportunity," care of this paper.

120 ACRES relinquishment, about five miles from Artesia, adjoining new experiment station that is owned by Electric Light Co. This is a fine pumping proposition and will certainly advance very rapidly. Price \$20.00 per acre. E. C. Higgins, Artesia, New Mexico.

\$2,500.00 STOCK new and second hand goods, consisting furniture, stoves, hardware, queensware, granite ware, tinware and glassware, doing good business and a good proposition. Also 160 acre relinquishment one and one-half miles from Artesia, good water belt. Price \$25.00 per acre. Would trade both for Kansas or Missouri land. H. C. Rohrbough, Artesia, New Mexico.

LANDS.

FOR PRATT county farms, write D. B. Payne, Preston, Kan.

BARGAIN—Improved 160-acre irrigated ranch. L. F. Wade, owner, Cortez, Col.

45 ACRES, improved, close in, \$4,800.00. W. R. Axtell, 1352 Mulvane, Topeka, Kan.

FOR SALE—240 acre farm, and other real bargains. Letona Realty Co., Letona, Ark.

80 ACRES for sale. \$2,500 cash, balance in 2nd hand automobiles. S. S. Irwin, Kincaid, Kan.

FOR TRADE—Muskogee property, farm land for general merchandise. T. E. Stewart, Muskogee, Okla.

BARGAIN—Fine 200-acre farm, no waste land. Well improved. 3 1/2 miles to live town on main railroad. H. Anton, Ionia, Mo.

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

WE GUARANTEE to sell or trade your farm or realty, and a square deal if you want to buy. Koller Realty Co., Crab Orchard, Neb.

88 ACRES, 2 miles Winslow, Ark.; 3 acres orchard; good spring; near school; healthy climate; price \$800; terms. Philip Moore, De Queen, Ark.

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

HOWELL county farms on easy terms; buy direct from owner; save commission; I have improved farms, ranging from 20 to 240 acres. C. C. Padgett, Mountain View, Mo.

MUST SELL 160 acre unimproved farm, Woodward county, Okla., 120 acres tillable, 40 acres pasture, price \$1,000. Cash or terms. A good investment. Frank Graham, Real Estate, Waynoka, Okla.

FARM FOR SALE—260 cult., 40 pasture. Never failing well. 6 room house. Barn. Granary. Orchard. 20 a. alfalfa. 4 mi. town. R. D. phone. Priced to sell. J. E. Lester, owner, Hazelton, Barber Co., Kan.

80 ACRES Benton Co. land, 3,500 bearing apple trees, 600 bearing peach trees, bal. in cultivation, \$6,000; or 160 acres, 75 in cultivation, 6 acres strawberries, bal. timber. Write owner for particulars. \$4,000. R. 2, Box 5, Gravette, Ark.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 200,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 5c a word. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

RAIL ROAD to build this fall. Price of land bound to advance. Mister Farmer or speculator, get in now. Twenty choice stock, grain, dairy and poultry farms for sale. Forty to five hundred acres, from ten to sixty dollars acre. Terms. R. R. Leftwich, Buffalo, Mo.

LANDS.

HOMES IN THE OZARKS and other safe, profitable investments. Write A. A. Post, Dept. V, Rogers, Ark.

FOR SALE—320 acres of choice land in south west Nebraska, 5 1/2 miles from Benkelman, the county seat. For further particulars address A. M. Clark, Formoso, Kan.

SECURE CASH for your property, no matter where located. To buy or sell. Write for particulars giving full description. National Property Salesman Co., Dept. 1, Omaha, Neb.

FOR RENT—Combination stock and grain farm in Sherman county, Kansas. 1,600 acres. 500 acres cultivated, 1,100 acres grass. Will rent three years. Might furnish some stock, and give possession now. First Trust Company, Loup City, Sherman county, Nebraska.

GOOD TENANT WANTED—440 acres good land near Ransom, Ness county, Kansas, for which tenant is wanted who is equipped with horses and implements and can take possession at once, to put in fall crops; good 8-room house, 15-stall barn, modern, up-to-date, 2 good wells, one mile from Ransom. Address V. E. West, Agent, Ransom, Kan.

FARMS WANTED.

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.

WANTED—FARMS.

FARMS wanted in the West. What have you for sale? Address the Farmers Land Market, 223 Mermod Jaccard Bldg., St. Louis.

AUTO SUPPLIES.

40% TO 75% saved on tires. Printed guarantee for 2,500 miles with every tire. Generally run 3,000 to 6,000 miles. Every tire re-made by hand, free from imperfections and blemishes of all kinds. Our prices, 28x3, \$6.87; 30x3, \$7.35; 30x3 1/2, \$10.46; 32x3 1/2, \$10.96; 34x4, \$14.90. All sizes. All makes. Write for free catalogue and price list. Give also used. Peerless Tire Co., 1583(C) Broadway, New York.

MALE HELP WANTED.

GOVERNMENT FARMERS wanted. Make \$125 monthly. Free living quarters. Write, Osmont 88 F, St. Louis, Mo.

CITY MAIL CARRIERS—Postal clerks—Wanted everywhere. \$90 month. Apply Franklin Institute, Dept R 53, Rochester, N. Y.

WANTED. Reliable men to sell nursery stock. Outfit free. Liberal terms. Pay weekly. Experience unnecessary. Chanute Nurseries, Chanute, Kan.

MEN—WOMEN—Get government jobs. "Full" unnecessary. Thousands of appointments coming. List of positions free. Franklin Institute, Dept R 53, Rochester, N. Y.

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.

MEN AND WOMEN wanted for government jobs. \$65 to \$100 month to commence. Vacations. Steady work. Over 12,000 appointments coming. Parcel post requires several thousand. Influence unnecessary. Write immediately for free list of positions available. Franklin Institute, Dept R 53, Rochester, N. Y.

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.

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.

SALESMEN WANTED.

SALESMEN WANTED in every county. Liberal terms; cash weekly. Outfit free. Write for terms. Fayetteville Nurseries, Dept. 2, Fayetteville, Arkansas.

SALESMEN—To sell high grade guaranteed groceries at wholesale direct to farmers, ranchmen and all consumers. Earn \$4 to \$10 and up per day. A big chance to get into business for yourself. Save the buyers the retailer's profit. Every customer is a permanent one. Demand constantly increasing. Latest plan. F. M. Hitchcock-Hill Co., Chicago.

HELP WANTED.

GIRLS WANTED to take training for nursing; \$180 paid for the course. Baptist Hospital, Kansas City, Mo.

RAISE GUINEA PIGS for us. Thousands needed yearly. We furnish stock, show you how, buy all you raise. No trouble, big profits. Particulars free. Cavies Distributing Co., Dept. 8, Kansas City, Mo.

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.

SITUATIONS WANTED.

WANTED—Position as farm manager. Soil and farm improvement my specialty. Profit sharing plan only. Good references. Can take charge Sept. 1st. A. Reeves, Conway Spgs., Kan.

YOUNG MAN with agricultural school training, farm experience, poultry short course, desires position on up-to-date farm, with opportunities of advancement. Edward Drossness, 1998 Lexington avenue, N. Y. City.

OILS.

WRITE us for prices on oil and greases. Complete line; lowest prices; immediate shipments. The Neosho Valley Oil Co., Chanute, Kan.

TOBACCO STEMS.

TOBACCO STEMS. \$2.00 per case of 100 lbs. or over. Good for sheep-dip and exterminating lice on chickens and insects on all vegetation. C. S. Eagle, 710 Jackson St., Topeka, Kan.

PATENTS.

SEND FOR FREE BOOKLET, all about Patents and their cost. Shepherd & Campbell, Patent Attorneys, 540 C, Victor Bldg., Washington, D. C.

PIGEONS.

LARGE Silver and Giant Runts. Special prices for quick buyers. L. D. Baker, 913 Main, Woodward, Okla.

MISCELLANEOUS.

E. R. BOYNTON HAY CO., Kansas City, Mo. Receivers and shippers. Try us.

MISSOURI AUCTION SCHOOL, largest in world. Own largest living mule. 1404 Grand, Kansas City.

PLACES found for students to earn board and room. Dougherty's Business College, Topeka, Kan.

BEDBUGS eradicated quickly, easily and surely; pleasant; safe. Send \$1.00 money order to the Eradicator Co., Plains, Kan.

THE ANDERSON LOADER, loads manure, cornstalks, stackbottoms, dirt, gravel, sand; no hand work. Write Anderson Mfg. Co., Osage City, Kan.

WANTED—Farmers to write me. I will write them how to buy a \$45 guaranteed sulky plow for \$25 delivered. W. P. Brown, Coffeyville, Kan.

POULTRY MAGAZINE—Big 40 to 80 page illustrated magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 504 Jackson, Topeka, Kan.

Hitching Up Home and School

Mr. Editor—In Oregon a new way of hitching up the home and the school has been worked out. Credit is given for industrial work done at home. Every home has the equipment for industrial work and has some one who uses it with more or less skill. Why not make use of this equipment and skill in school work?

A. I. O'Reilly, who teaches at the Spring Valley, Ore., rural school, gave credits as follows for home work: Building fire in the morning, 5 min.; milking a cow, 5 min.; cleaning out the barn, 10 min.; splitting and carry-

ing in wood (12 hours supply), 10 min.; turning cream separator, 10 min.; cleaning horse (each horse), 10 min.; gathering eggs 10 min.; feeding chickens, 5 min.; feeding pigs, 5 min.; feeding horse, 5 min.; feeding cows, 5 min.; churning butter, 10 min.; making butter, 10 min.; blacking stove, 5 min.; making and baking bread, 1 hour; making biscuits, 10 min.; preparing the breakfast for family, 30 min.; preparing supper for family, 30 min.; washing and wiping dishes (1 meal), 15 min.; sweeping floor, 5 min.; dusting furniture (rugs, etc., 1 room), 5 min.; scrubbing floor, 20 min.; making beds (must be made after school), each bed 5 min.;

washing, ironing and starching own clothes that are worn at school (each week), 2 hours; bathing (each bath), 30 min.; arriving at school with clean hands, face, teeth and nails, and with hair combed, 10 min.; practicing music lesson, (for 30 minutes), 10 min.; retiring on or before 9 o'clock, 5 min.; bathing and dressing baby, 10 min.; sleeping with window boards in bedroom (each night), 5 min.; other work not listed, reasonable credit.

Those having the most credits received prizes. When a child had 600 credits, he was granted a holiday, but not oftener than one in every 20 days. The parents send in slips each day to

show what work the children have done. Children that before needed urging, become eager to do the work and home and school are brought closer together. "Education should make us more willing and efficient workers. If it doesn't, what is its use?"

Fargo, N. D. W. C. Palmer.

The Mail and Breeze so interests me in information that I cannot get along without it. Tom McNeal is a dandy.—Wm. Powls, R. 2, Blue Mound, Kan.

"The care of the public health has become the first duty of the state."—Mayo.

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 electrolytically.

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

Half section choice blue stem grass land; spring water. F. L. McCoy, Eskridge, Kan.

FOR EXCHANGE—600 a. fine land, Wharton Co., Tex. Want Cen. or E. Kan. land. Write for information. Walter Hanson, Sabetha, Kan.

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

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

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

1143 A. ranch, adjoining shipping point. 100 a. best bottom. Good imp. Price \$40,000. Cowley-Hays & Co., Cottonwood Falls, Kan.

SPECIAL: 1/4 section, imp. All tillable. Stevens Co., near new R. R. Ten fifty, part cash. Write for list. Luther & Co., Rolla, Kan.

FOR SALE—6 room modern house, cellar, porches, 3 lots, barn, cistern, fruit and shade trees, near Central park. S. S. McFadden, 1244 Lincoln, Topeka, Kan.

WIDOW MUST SELL a clean, clear \$3,500 stock general mdse. at a sacrifice. Poor health the cause. A little cash, bal. approved security. J. A. Decker, Valley Falls, Kan.

FURNITURE and fixtures for an 8 room hotel, all up to date, in live eastern Kansas town; cheap rent, desirably located, brick building. \$800 value. Splendid opening for right man. Libby & Wilson, Blue Mound, Kan.

FOR SALE—Best producing farm in Doniphan Co. 225 acres, 200 acres level, bal. rolling. Well watered; 5 miles north of Atchison. B. & M. R. R. station on boundary. No crop failures. 1913 netted 7 per cent on price asked. No trade. Price \$35,280. Address A. N. Armstrong, Atchison Kan.

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

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

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

NORTHEASTERN KANSAS BARGAINS. 195 acres, imp., 4 miles out, \$42.50 per a. 160 acres, improved, 4 miles out, \$50 per a. 80 acres, improved, 4 miles out, \$60 per a. 100 acres, improved, 5 miles out, \$65 per a. 80 acres, improved, 3 miles out, \$70 per a. 200 acres, finely improved, 3 ml. out, \$70. COMPTON & ROYER, Jefferson Co., Valley Falls, Kan.

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

ALFALFA FARMS Write for list of farms and ranches near the best college town in the state. T. B. GODSEY, Emporia, Kan.

SECTION, 1/4 alfalfa land; balance hay or pasture. Fine imp. Plenty of water. Five miles town. P. D. Stoughton, Madison, Kan.

240 A. well improved; 150 a. broke, balance grass, fine stock farm; \$50 per a. Write for photo. Gutsch, the land man, Hope, Dickinson Co., Kansas.

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

80 ACRES in Greenwood county, just fairly improved. Price \$3,200. Terms, \$500 cash, balance like renting. Address owner, Lock Box 367, Iola, Kansas.

ROOKS CO., Kansas, snap; 160 1/4 miles of Palco, well improved, all fine land, ideal home and money maker, for thirty days can sell at low price of \$36.50 an acre. Some terms. Buxton, Utica, Kan.

80 ACRES, 1 mile from county seat, Osage Co., Kan. 6 room house, barn, plenty water. Grass land except 10 acres. High school and church. W. M. Rock, Lyndon, Kan.

HAVE A GOOD RANCH proposition near Wichita Mountains. 200 acres—80 a. in cultivation, good barn and 5-roomed house. Will sell \$4,000. Plenty free grass close. Would form partnership with man with a bunch of Shorthorn cows. Dr. F. Dinkler, Ft. Cobb, Okla.

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

SPLENDID seventy acre Allen Co. stock, grain or truck farm; close to three towns; railroads and street cars; good five room house and bath; natural gas; new barn, good water, orchard and shade. Price reasonable. Inc. \$1,500, low rate of interest. Will accept livestock or five passenger automobile. D. B. D. Smeltzer & Co., Iola, Kan.

FOR SALE. Flour mill, 60 bbls. Both water and gas power. Plenty of wheat at home. Must be sold in a short time. OSCAR SCHMITZ, Alma, Kansas.

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.

ALFALFA FARM, CHASE COUNTY. 200 acres 4 miles Hymers, 170 acres first bottom, 60 acres in alfalfa, 30 acres pasture, creek and timber. Good 6-room dwelling, fair outbuildings, telephone, 30 acres alfalfa, hog-tight fence. Price \$80.00 per acre. Terms. J. E. Bocook, Cottonwood Falls, Kan.

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

50 BU. PER ACRE. Our wheat is making as high as 50 bu. per a. Our land is selling from \$36 to \$100 per a. Get in touch with us before prices go higher. N. E. Kansas, Washington and Marshall Cos. Come and see us. Pralle Br. s. Realty Co., Bremen, Kan.

A SNAP TWO MILES FROM TOWN, on the new railroad in Southwest Kansas. A fine level quarter, 2 ml. from Rolla; good house, barn, good well, wind mill, reservoir, and tanks; chicken house; 70 a. in cult.; fenced; 240 a. pasture adjoining; low rent. About 300 growing trees of various kinds. Imp. worth \$800. Price only \$1,600. Unimp. land not so well located, selling for \$2,400 and \$2,600 per quarter. A forced sale and a snap. Rolla is one of the best towns along the new railroad. Write for further information. DON VAN WORMER, Rolla, Kan.

Good Quality at Low Cost 235 acres near Garnett, Kansas, most blue-stem meadow, low price. 60 acres, well improved, 3 ml. of town, subject to one year lease. 160 acres, 1/4 ml. of town, well improved. SPOHN BROS., Garnett, Kan.

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

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

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

ARKANSAS

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

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

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

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

CHEAP homes in Arkansas. Healthful climate, pure water, timber. Crop failures unknown. Write for list. Hindsville Realty Co., Hindsville, Ark.

320 A. AND 160 A. 5 ml. Bates, Scott Co., Ark. R. R. town; 2 houses, barn; several hundred dollars worth saw timber. Price \$11.50 per acre. Mtg. \$1,440, 3 yrs. Bal. time or trade. Write W. F. Colnon, Heavener, Okla.

600 ACRES level upland, 7 ml. from good town. 300 acres in cultivation, 1,000,000 feet timber. Good residence, 6 tenant houses, good water. A complete gin system. A complete saw mill. A bargain, price \$20.00 per acre. 1/2 cash, bal. one and two years. Floyd Porterfield Company, Hope, Ark.

FREE HOMES IN NORTH ARKANSAS. Map showing location of 200,000 acres, subject to homestead, 25c. Ozark Homes, Locating & Publicity Co., Dept. A-2, Harrison, Ark.

NEW YORK

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

NEW MEXICO

FOR SALE—Improved and unimproved farms. Also city properties, cheap. Good investments. Jas. J. Hall, Tucuman, N. M.

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

FLORIDA

FOR SALE BY OWNER: Four very desirable improved pieces of property in Alachua county, Fla. 50, 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.

CANADA

CANADA For sale, improved farms, ranches and raw lands in Southern Alberta. LYNN W. BARRETT, Aldersyde, Alberta.

FOR SALE OR EXCHANGE

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

TRADE Improved Osage Co., Kansas, 80 r. residence, 160 r. smaller farm. W-P Farm & Mortgage Co., Burlingame, Kan.

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

WE BUY, sell and exchange real estate. Write today. Tell us what you want to buy, sell or trade, or trade for. J. M. Garrison, Attica, Kansas.

320 A., 115 a. river bottom; bal. valley land; 7 r. house; price \$22,000. Want hardware or mdse. Owner's Sale & Exchange, Independence, Kansas.

IRRIGATED lands; any size tracts for sale or exchange; terms to suit. We exchange property in any state. Give full description in first letter. Southwestern Lands Co., Colorado Springs, Colo.

FOR SALE OR TRADE. For small farm. Finest and best located grocery store and meat market in the city, with splendid trade established, also good 10 room house and 2 lots. Address 612 Leavenworth St., Manhattan, Kan.

TO TRADE OR SELL 480 acre Pawnee River bottom farm, well improved for cattle ranch in western half of Kansas. Want grazing land. If you really want a deal and have something you will price right, write me for full particulars. Address M. W. PETERSON, HANSTON, KANSAS.

MISSOURI

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

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

OZARK FARMS. Write Southwestern Land and Immigration Co., Springfield, Mo.

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

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 REAL ESTATE CO., Anderson, Mo.

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

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

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

CASS COUNTY, MISSOURI. 40 acres, smooth and improved, \$30.00. 80 acres, fine second bottom, \$75.00. 120 acres, fine and dandy, snap, \$75.00. These farms are improved, well located. Can give terms to suit; they are priced right. CHARLES BIRD, Harrisonville, Mo.

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

Ozark Unimproved Farm Bargain

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

TEXAS

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

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

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

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

Cream of Neosho Valley Alfalfa Land

990 acres of the best bottom land 1 mile from Chetopa, will produce choice alfalfa, wheat corn and potatoes. 450 acres in cultivation, 140 in meadow, 330 in pasture, 70 acres alfalfa, cuts 4 and 5 crops a year, 500 pecan trees, some timber in pasture; main traveled road through farm; two sets of buildings, one 8 room house with barn 40x40, one 5 room house with barn 24x36, splendid orchard land, alluvial soil 25 feet deep, best of pure soft water in unlimited quantities at a depth of 25 feet, healthy locality, no malaria, no rough land, no bluffs or rocks, can be subdivided. Price \$48.00 per acre in payments. No trades.

160 acres splendid land; 50 acres in cultivation; 60 acres in meadow; hog and stock pasture; good orchard of young trees; six room house; barn 32x42, cribs and other outbuildings; 25 acres of this land is very rich bottom land; one of our best bargains; price \$5,500.00.

138 acres splendid alfalfa, corn and orchard land, one mile from Chetopa, Kansas; 180 miles south of Kansas City. High bottom land, never loses crop from overflow; 25 acres in alfalfa, cuts 4 crops a year; no irrigation necessary; 60 acres in wheat to be followed by alfalfa fall of 1913; all fenced, no buildings. \$50 per acre, easy payments. Other bargains, send for list.

J. B. COOK, Owner, Chetopa, Kans.

COLORADO

HOMESTEAD. If you want a homestead, now is your chance to get a fine 320 acre homestead relinquishment in eastern Colorado. Write Box 418, Goodland, Kan.

CHASE COUNTY BARGAINS.

240 a. 155 a. creek bottom in cult., 52 a. alfalfa, 6a. timber, large orchard and fruits, 9-room house, attic, basement, 2 barns and tenant house. Price \$75.00 per a. 4 miles good town. R. F. D. and telephone. A. J. Klotz & Co., Cottonwood Falls, Kan.

SPLENDID FARM \$12.00 PER ACRE.

480 acres extra good, level, rich productive land in best part of Pleasant Valley, 6 miles from new growing town of Brandon, Colo., on main line of Mo. Pacific. Fine, free, open range adjoining. Good grass on all; livestock does well the year round. Ideal location for dairy or stock farm. Good markets. Price is half value for quick sale. Write for full information or come and see for yourself. This is strictly desirable land and great bargain. Land prices going up fast here. S. S. Sanger, Brandon, Colorado.

320 HOMESTEADS 320

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

OKLAHOMA

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

80 ACRES, cotton and alfalfa farm, just ahead of oil field. \$30 per acre. Other farms. Write "Fitz," Davenport, Okla.

90 ACRES all bottom, 4 miles R. R. town this county. 50 a. cultivation, all tillable. Crop good. Fair improvements. \$32 per a. Southern Realty Co., McAlester, Oklahoma.

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

MINNESOTA

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

LOUISIANA

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

LOUISIANA LANDS.

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

Carey Act
Land Opening

Beginning August 7, 1913. 3,600 Acres in Bear River Valley, Utah. Low Prices, Easy Terms and Long Time. Also 9,000 Acres of deeded land in the Neponset Tract to be sold at low prices. Easy Terms. Long Time.

Write for complete information. Summer Tourist fares (1st Class) daily, and including, Sept. 30, 1913, and Homeseekers' fares (second class) 1st and 3rd Tuesdays of each month.

R. A. SMITH

Colonization & Industrial Agent, Union Pacific Railroad Co., Room 138, Union Pacific Bldg., OMAHA, NEB.

Our Farmers' Cattle Knife
Free

This Farmers' Cattle Knife

is a beauty. It has one large scimitar, one spaying and one congress blade; Extra quality steel, double German Silver bolster and shield, brass lined, stag handle. This beautiful useful knife will be sent you FREE, postpaid, for securing only four 3-months subscriptions to the Mail and Breeze at the regular rate of 25 cents or we will send you our paper one year for \$1.10 and the knife free as premium. We guarantee the knife and will return your money if you are not satisfied. We know you will like it as we have given away hundreds and have never had a complaint. This illustration is one-half actual size. Write today.

MAIL AND BREEZE
Topeka, Kansas

MARKET PROBABILITIES

(Written Specially for Farmers Mail and Breeze.)

One more Monday gone by and no big run of cattle, in fact the supply opening this week was smaller than a week ago, two weeks ago, and a year ago. Kansas and the Southwest received good showers over Sunday, but higher temperatures are in sight for the first three days this week. Cattle prices were generally steady, except southern offerings, and stockers and feeders which were strong to higher.

"I understand that the West is in the grip of a terrible drouth, and that the best feeding steers are selling at \$5 a hundred pounds. Buy me 300 head at that price." So wrote an Ohio man to a commission firm last week. That order of course could not be filled. The West is a far different country than this central easterner and many others imagine. In the first place conditions are far from what he thought, and the westerner has entirely too much nerve and is too resourceful to sell good feeding steers at \$5. Such a time will never come and the quicker the easterner learns to quit waiting for thin cattle to sell at \$5 when finished steers are bringing \$9 and better he will save himself the extra work of heavy correspondence.

What Conditions West Are.

Ten days ago extreme high temperatures, high hot winds, and lack of moisture damaged the corn and grass in parts of Oklahoma, much of Kansas, and parts of Nebraska. Other sections of these states, Texas, Colorado, the entire Northwest, Iowa and Missouri withstood the strain. Rains fell in most of these states late in the preceding week with prospects for more. The drouth bugaboo took a rear seat, and while more rain is needed to continue the growth of grass, conditions now are better, except permanent damage done to corn, than they have been at any time in the past month. The worst feature is that the Kansas corn yield will be small and that state will be reduced to small winter feeding operations. So far there has been no general liquidation of cattle, and will not be in the immediate future. The movement will increase along normal lines, as is the August custom, but on the other hand demand should increase with the season. The prominent demand factor will be that killers have to accumulate some surplus in the next three months or go into the winter season on short supplies, and the probability that high corn prices, together with high prices for thin cattle will greatly curtail the January to April output. Killers will overlook no opportunity to depress the market, but at the same time skimpy buying of grassers this summer and fall will keep them to the grindstone of necessity all winter. Chicago is bawling a shortage of northwest cattle; St. Louis has had a dragnet in Arkansas and the South for 12 months, and Missouri river points have cared for fairly large receipts at the urgent request of killers.

Nine Dollars Now: Ten Later.

Prime steers at the various markets are bringing \$8.75 to \$9.20, and for three weeks past the tone of the market has accumulated strength owing to decreasing supplies of dry lot steers. On the basis of a normal decrease between now and October, and the further curtailment due to decreasing feeding on account of advancing corn prices, late September or October should uncover \$10 steers. There will be good grass fat steers available and the August prices for them will rule at \$7 to \$8, maybe a little better, but the finished class of fed steers will remain in preferential demand. Dry lot heifers sold as high as \$8.95, and yearling steers up to \$9 or on a par with weighty finished steers. That class will continue high.

Quarantine Movement Liberal.

Receipts from below the quarantine line have been liberal. Prices have been good and some dry weather pressure has been an additional shipping incentive. However that movement will decrease from now on, as the by-product of the cotton crop will be large, and requirements for cattle to feed on meal and cake will be correspondingly large. Southern steers have sold at \$5.25 to \$7.85 at the various markets.

Stock Trade Contradicts Weather Pressure.

Prices for stockers and feeders this past week bounded up 40 cents to \$1, practically a recovery of the extreme dip the market took two weeks ago, when a big run of dry weather cattle was expected. Last week Kansas City shipped 16,000 cattle back to the country, at prices ranging from \$5.50 to \$8 for steers and \$4.50 to \$7 for she stuff. This large demand, with a good many orders unfilled, indicates that there are plenty of sections able to care for the surplus supply of thin cattle offered. The price change is only an incident in the general shortage, in cattle, and the confidence buyers hold as to the future. A South Dakota buyer is working on an order for 1,000 breeding heifers, Iowa, Illinois and north Missouri want both stock cattle and feeding steers. Calves are scarce and high, selling at

\$9.50 to \$11.25 for vealers and stock grades \$6 to \$8.

Conserving the Calf Crop.

Chicago has received nearly 100,000 fewer calves this year than in the same period last year and the total decrease in the supply at western markets is close to 135,000. The reservation has been in all grades suitable for stock breeding or feeding purposes, and the country is building up a reserve supply on the basis of quality. That this decrease has fallen with prices for calves this year the highest ever known shows the country demand is even greater than demand from slaughter sources, and to make a reservation of calves in the face of high prices shows that the livestock producing areas have no intention of withdrawing from the cattle business.

For a Five-Day Cattle Market.

Chicago is putting forth strenuous efforts to have a five day market for cattle. At present and for some time past the bulk of the cattle have been marketed on Monday and Wednesday. Last week on these two days 37,000 cattle were received and on the other three days of the week only about 10,000. Such a distribution causes unequal demand and great inconvenience in handling the supply. If the supply were evenly distributed among the five days, Saturday could be used as a cleanup day and at the same time demand equalized. In many cases the present distribution causes cattle to be held several days before selling. Western markets have less of this to contend with but some better distribution would benefit the trade.

Packers Object To \$9 Hogs.

Last week packers entered a protest against \$9 but nevertheless they paid that price, and higher. At the week end they got some hogs under \$9 or about 25 cents under the extreme high point this season, but on the days they bought low shippers were no important factor in the market. Packers have been adverse to \$9 hogs all season, but actual requirements forced them to pay that price. The East appears to be unusually short on hogs and is drawing supplies from the West. Export demand for lard is large, and the mid-summer trade in fresh pork is active. The speculative market insists on strength. July pork selling as high as \$22.40 and lard up to \$12.10. Receipts of hogs are fairly liberal, but the supply is a drag on future receipts. Packers could have broken prices 50 cents late last week, but they feared that such an action would have resulted in a complete suspension of shipments next week. Weight is decreasing, though hardly any light pigs are coming, and the prospects are that they will be held for winter feeding. The stock hog trade promises to be developed in the next few months. St. Louis and Kansas City both sent shipments of immunized hogs to the country last week and St. Joseph will establish a quarantine division soon. This process of handling stock hogs at leading markets promises to be a great saving to hog growers and at the same time rejuvenate the country supply materially. The system of course has some objectionable features as present, but these can be eliminated as the principle is sound and experience will rectify the faults.

Sheep Prices Still Fluctuating.

The sheep market continues to produce a list of erratic prices, the kind that banishes hope one day and then inspires hope the next. In seven days past prices fell from \$8 to \$7 and then recovered the loss, with the high levels prevailing for the week end market. Talent is uncertain as to the future markets. Former guesses have been out of line so much that hope has invariably been misleading as to actual conditions. The one point, however, all seem to agree on is that fat lambs will not sell much below \$7 at any time this season. The southern lamb crop has developed far larger volume than expected. The East is drawing liberal supplies from that source and Chicago killers have bunched large enough supplies direct to themselves to break prices at important times. The Northwest movement is getting under way and some are coming from the West and Southwest. If the range country does not fall down on grass the September and October supply of fat lambs will be large.

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	51,250	45,450	22,750
Chicago	46,700	132,000	99,000
Omaha	8,300	49,700	35,300
St. Louis	31,450	46,300	28,200
St. Joseph	6,700	37,600	11,400

Total

Preceding week.....131,750 314,290 201,400
Year ago

The following table shows receipts of cattle, hogs and sheep in St. Louis thus

far this year, compared with the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle	503,088	417,949	85,339	.....
Hogs	1,489,996	1,501,567	.....	11,571
Sheep	544,016	553,776	.....	9,760
H. & M.	80,397	93,938	.....	13,541
Cars	41,838	39,889	1,949	.....

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	227,673	236,732	.....	9,059
Hogs	1,004,239	1,256,450	.....	252,221
Sheep	434,979	380,158	54,821	.....
H. & M.	18,157	26,013	.....	7,856
Cars	25,559	28,554	.....	2,995

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	880,479	764,376	116,103	.....
Calves	49,852	59,850	.....	9,998
Hogs	1,484,152	1,584,085	.....	99,933
Sheep	1,083,056	1,141,091	.....	58,035
H. & M.	46,518	46,232	286	.....
Cars	61,122	58,861	2,261	.....

The following table shows receipts of cattle, hogs and sheep at the five western markets, Monday, July 28, together with totals a week ago, and a year ago:

	Cattle	Hogs	Sheep
Kansas City	13,000	5,000	7,000
Chicago	19,000	48,000	25,000
Omaha	3,400	3,000	13,000
St. Louis	7,000	4,500	5,000
St. Joseph	1,300	5,000	2,500

Totals

A week ago.....

A year ago.....

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:

	Cattle	Hogs	Sheep
Chicago.....	1913 1912	1913 1912	1913 1912
Kan. City.....	8.80 9.75	9.50 8.35	7.00 5.50

Depleted City Horse Power.

A good demand from various cities of the country has made the horse market unusually active for this season of the year. Of course the volume of business is small as compared with the early months this year and the trade late last year, but dealers are not complaining of extreme summer dullness. Heat has made inroads on the city supply and the kinds that get knocked out have to be supplied again. Prices are holding firm. Few mules are moving. Inquiry for them has been light.

Large Wheat; Meager Corn Supplies.

Corn prices were higher again the first of the week, reaching new high levels for the season. Wheat was unchanged to 1/2c off, and oats steady. Hay prices held firm on heavy receipts. Markets now are receiving the largest supplies of wheat this season, and the smallest supplies of corn. Prices for wheat are weak and corn firm. Indications are that the wheat movement will be of smaller volume in the next few weeks. The late returns from Kansas indicate a crop of 72 to 80 million bushels, or several million bushels less than the government estimate a month ago. Limited areas in Iowa and some large sections in Nebraska report better returns than expected a month ago. The north west crop is nearing maturity under more favorable conditions than were promised three weeks ago. The Kansas corn crop has been damaged materially and the yield in the state will be little better than 40 per cent. Oklahoma reports some damage, and Missouri east is very promising. The indicated corn crop at present is about 2,700 million bushels or 400 million bushels less than was harvested last year. Oats are moving more freely but still in small supply for this season of the year.

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:

	Wheat	Corn	Oats
Chicago.....	1913 1912	1913 1912	1913 1912
Kan. City.....	93 1.01 64 75 1/2	41 52 1/2	84 1/2 .97 1/2 67 80 40 44

Stronger Position For Broomcorn.

Though there was no important change in prices for old broomcorn and the movement through markets was small, the general position of the market was strengthened by continued reports of reduced acreage and impairment in the growing crop. The Southwest at the present time shows a condition 50 per cent short of last year, and the old crop on hand is not much above normal. Buyers however are not fully convinced that conditions favor such a reduction and are confining purchases to immediate needs. Choice, green, selfworking corn is quoted at \$50 to \$90 a ton; fair to good \$50 to \$75; common to fair \$25 to \$45.

Butter, Eggs and Poultry.

Elgin, July 28.—Butter this week is firm at 25 cents.

Kansas City, July 28.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 18 1/2 @ 19c a doz.; seconds, 10c. Butter—Creamery, extras, 26c a lb.; firsts, 25c; seconds, 24c; packing stock, 20c. Live Poultry—Broilers, 16c to 18 1/2c a lb.; spring chickens, 15 @ 16c; hens, 12 1/2c; roosters, 9c; young turkeys and turkey hens, 15 @ 16c; old toms, 12 @ 14c; cull turkeys, 6 @ 7c.

Produce Prices Now and One Year Ago.

(Quotations on Best Stock.)

	Butter	Eggs	Cens
Chicago.....	1913 1912	1913 1912	1913 1912
Kan. City.....	26 1/2 25 18 18	16 13	12 1/2 12 1/2



Conducted for Farmers Mail and Breeze
BY DR. F. S. SCHOENLEBER,
Professor of Veterinary Science
Kansas Agricultural College.

Our readers are invited to consult Dr. Schoenleber in an advisory way in case of trouble with livestock. Be sure to state the history of the case, location of the disease and the conditions under which animal has been kept. If a horse state weight. Also write across the top of your letter to be answered in Farmers Mail and Breeze and always sign name in full. Unsigned inquiries will not be answered. Answers will be published in turn.

Veterinary Examiners.

Does the state of Kansas have a veterinary examining board? Where are the examinations given?—W. T. Wilson county, Kansas.

For information concerning the state board of veterinary examiners you should write to the secretary of the board, Dr. O. O. Wolf, Ottawa, Kan.

Udder Inflammation.

One of my cows has something wrong with her udder and I would like to know how to treat it if it returns. First a large lump formed in the udder just above one teat. That teat gave bloody milk and the next day the trouble had spread to another quarter. I greased the udder with turpentine and lard and in 10 days it seemed all right again. But in five or six weeks it returned.—G. E. V., Lincoln county, Colorado.

Your cow is affected with an infectious form of inflammation of the udder. This is likely to spread to other quarters and also to other cattle. You

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Dear Sirs—Please discontinue the little ad and insert the ad enclosed. I received 120 answers to the other ad and they are still coming. Yours very truly, FRANK BATES, Real Estate Dealer, Waldron, Ark., April 18, 1913.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—My little hog ad in Farmers Mail and Breeze lately has done more good than I have had in a long time. Nearly 30 inquiries came in for boars in about two weeks and made nine sales to all parts of the state and every one well pleased. Yours very truly, F. C. SWIERCINSKY, Breeder of Poland Chinas, Belleville, Kan., April 28, 1913.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

OIL - OIL - OIL

WHOLESALE PRICE TO CONSUMERS—Combining best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.

XXX 46 gravity water white kerosene.....	\$6.00 for 52 gal. bbl.
XXX 42 gravity kerosene (the kind usually sold).....	\$5.25 for 52 gal. bbl.
XXX 64 gravity gasoline.....	\$10.00 for 52 gal. bbl.
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.....	\$3.50
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).....	\$5.00 for 52 gal. bbl.

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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Mammoth Livestock and Agricultural Exhibits.
New Fireproof Concrete Buildings for Stock and Exhibits.
Four Grand Band Concerts Daily.
New and Up-to-Date Free Attractions.
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Every Night—Pain's Mammoth Spectacle, "Old Mexico-1847." The stoning and capture of Fortress Chapultepec. The awful and awe inspiring spectacle of Mt. Popocatepetl in volcanic eruption. Scenic effects 350 feet long, 200 performers, followed by the greatest fireworks display ever seen in Kansas.
The Fair at Topeka is in a class with the big State Fairs of the Western Country. Every Day a Big One.

H. L. COOK, Secretary.

\$40,000 in Premiums and Speed

should inject into the diseased quarter a 2 per cent solution of boric acid once daily, under strictly clean conditions. The udder should be washed with a 1 per cent solution of carbolic acid before milking. The affected cow should be milked last of all and should be isolated from the other cattle.

Lump Jaw.

One of my cows has the lump jaw. I treated it with iodine and fed her iodide of potash and the lumps have not run any for two months. They seem to be slowly drying up. Is there anything further I can do?—W. J. L., Osage county, Kansas.

As the lumpy jaw is disappearing the best thing you can do is to leave it alone. If the lumps do not disappear rapidly enough to suit you, you might give some more of the iodide of potash, about 2 drams daily in the feed.

Tuberculosis Symptoms.

I have a Jersey cow 9 or 10 years old which came fresh June 18. Prior to this she had coughed occasionally but since calving she coughs most of the time. The right nostril discharges a thick, yellowish mucous part of the time. When walking to and from pasture her breath is short and wheezy.—O. P. K., Montgomery county, Kansas.

Have your cow tested for tuberculosis by a graduate veterinarian as it is possible she is affected with this disease. In case she reacts to the test, it would be unsafe to use her milk as there is a tendency to transmit the disease to the consumers of the milk.

Cholera Indications.

My pigs are strong and all right until several days old then they appear sleepy and will lie about for 24 hours, then die. I can find nothing wrong with them. They are in a dry pen with green feed and the sows have slop made of shorts and small amount of soaked corn. What is this trouble?—L. P. P., Sumner county, Kansas.

I am unable to state positively from the symptoms submitted what the trouble is with your pigs, but to be on the safe side you would do well to have them vaccinated against cholera. The fact several have died indicates you have a contagious disease to contend with.

Treatment for Heaves.

I have a horse with the heaves. I think the steady feeding of alfalfa has brought it on. I have no prairie hay so I just feed alfalfa all through the summer. What treatment would you advise?—J. F. O., Rush county, Kansas.

If your horse has heaves and you are obliged to feed alfalfa while it is dusty, you should always sprinkle it with lime water. In addition feed your horse the following mixture: Trioxide of arsenic, 60 grains; bi-carbonate of soda, 2 drams. This should be divided into 6 powders and 1 powder given daily in the feed.

Then a week should be permitted to elapse and the same line of treatment be repeated. Every time after the medicine has been given for a week, another week should be permitted to pass without giving the medicine. This medicine is not curative, but relieves the symptoms to a large extent.

"Wooden Tongue."

One of my cows has a swollen tongue and I think her throat is also swollen. She eats pretty well but cannot drink, simply licking the water up. She froths at the mouth and is getting poorer every day. She has been this way for about six weeks. Her tongue has two or three purple spots on it. What is your advice?—J. M. K., Trego county, Kansas.

Your cow is probably affected with "wooden tongue" and the best treatment consists in giving the animal 2 drams of iodide of potash daily in about a cupful of water. This should be kept up for at least a month. If at any time during this treatment the animal's eyes become sore or the hide becomes scurfy, discontinue for a few days and in the interval give her a pound of salts.

Unthrifty Horses.

(1) I have a 6-year-old horse which is poor and out of condition. I fed him well last winter but was unable to get him fat. I have had his teeth attended to twice but without results. He also has a lump just above the hoof on his hind foot caused by being caught under the door sill. How can I remove it?

(2) One of my mares, also 6 years old, has a discharge from one nostril and the odor is offensive. She is always poor but eats well. I also had her teeth looked after.—W. J. L., Osage county, Kansas.

(1) Feed this horse twice daily a tablespoonful of powdered nux vomica, 2 ounces; artificial Karlsbad salts, 1 pound. This should be given in the feed. If the enlargement on this animal's hind foot is hard and bony, I do not believe you can do anything for it. If it causes no lameness, it is better to let it alone.

(2) This mare undoubtedly has some infection of the cavities in the head known as sinuses and the infection is probably due to the decayed root of a molar tooth. The treatment would be entirely surgical. Consult a graduate veterinarian in regard to it.

Bitter Milk.

What can be done for a cow giving bitter milk? One of my cows is fresh and gives 5 gallons of milk a day but the butter made from her is bitter and has been so for a year.—J. W., Osage county, Kansas.

The treatment of the cow giving bitter milk consists, in the first place, in feeding fresh, clean food, and then giving the animal internally the following mixture:

Powdered nux vomica.....	2 ounces
Common salt.....	4 ounces
Bicarbonate of soda.....	6 ounces
Sulphate of soda.....	8 ounces

A tablespoonful of this mixture should be given in the feed morning and evening. In addition clean all milking utensils thoroughly with hot water and soap, afterwards setting them in the sun to dry. Just before milking wash off the cow's udder with soap and water, rinse with a teaspoonful of carbolic acid in a pint of water. If the cow is kept in the barn, whitewash the inside of the barn and sprinkle plenty of lime on the floor, leaving it there for about 24 hours.

Editorial News Notes.

M. R. D. Owings Goes to Rumely's.
The election of M. R. D. Owings as a director and vice president of the M. Rumely Company is announced. This is an important step in the reorganization of the company's executive staff. All his life Mr. Owings has been associated with the development of American agriculture. He was secretary of the Milwaukee Harvesting Machine company until 1898, and for eight years has been advertising manager of the International Harvester company. It was through his enterprise that the I H C Service Bureau, which has done so much educational work in agricultural lines, was established and developed.

Corn Knives That Cut With One Slash.
There is minimum effort put forth on your part when cutting corn or cane if you are the owner of a Keen Kutter corn or cane knife. These knives, with their heavy, razor-edged steel blades, cut down the heaviest stand of corn or cane with an easy slash—no hacking away, using up all your strength and energy, but one sturdy stroke getting you best results. Same way with hay knives, too. No matter how tight the hay is packed, you can cut through it in a jiffy with a Keen Kutter hay knife. The handles are strong and shaped to ensure a perfect grip, and they hold the blades with the firmness of a vise. Keen Kutter corn, cane and hay knives are the best of their kind. They must be, for the Simmons Hardware Co. give a standing, unqualified guarantee that unless they are absolutely satisfactory to you, your dealer is authorized to give you a new one, or should you want it, your money refunded.

"Our national health is physically our greatest national asset."—Roosevelt.

LIVESTOCK AUCTIONEERS.

Spencer Young, Osborne, Kan.
Livestock Auctioneer. Write for dates.

W. C. CURPHEY, Salina, Kansas
Write, phone or wire for dates. Address as above.

COL. T. E. GORDON, WATERVILLE, KANSAS
Livestock Auctioneer. Write for open dates.

L. J. Calloway, Lebanon, Kansas
Livestock Auctioneer. Write or phone for dates.

Jas. T. McCulloch, Clay Center, Kan.
Reference: The breeders I am selling for every year. Write for open dates.

L. R. BRADY, Manhattan, Kansas
Livestock Auctioneer. Write or wire for dates.

JAS. W. SPARKS, Live Stock Auctioneer
MARSHALL, MO.

Will Myers, Beloit, Kan. Is already booked on leading breeders' sales in Central Kan. Choice dates still open. Write or wire.

CHAS. M. SCOTT, Livestock Auctioneer. Thoroughly posted on pedigrees and values. Formerly of Scott & Singer, Poland China breeders. Hiawatha, Kan.

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Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

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Live Stock and Farm Sales made anywhere. Prices reasonable. Give me a trial. Satisfaction guaranteed.

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Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages. Write today for big, free catalogue of Home Study Course, as well as the Actual Practice School, which opens August 4th.

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Largest in the World. W. B. Carpenter, Pres.
1400-04 Grand Ave., Kansas City, Mo.

PUREBRED HORSES.

PERCHERONS—

Ever notice average farmers who keep their own stallion raise more colts from the same number of mares and make more horse-money? A BIG PERCHERON from my 13 young registered studs at breeder's prices would make you money. Trains direct from Kansas City and St. Joe. Fred Chandler, Route 7, Chariton, Iowa.



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SHROPSHIRE SHEEP.

ELK GROVE Shropshires!
Imported Delta, sire of show flock winning 100 prizes, 1912, assisted by Wordwell's Kedgie, by Tysul Champion at head of flock. For sale—50 rams, including 30 yearlings and Wordwell's Kedgie, and 20 lambs. Send for catalog.

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KLAUS BROS.' HEREFORDS
Two choice yearling bulls, herd headers for sale, sired by Fulfiller 3rd, Fulfiller 25th and Beau Onward. Our calf crop is the best we ever had.
KLAUS BROTHERS, BENDENA, KANSAS.

ABSORBINE
TRADE MARK REG. U.S. PAT. OFF.
will reduce inflamed, swollen Joints, Sprains, Bruises, Soft Bunches; Heals Boils, Poll Evil, Quittor, F'stula, or any unhealthy sore quickly as it is a positive antiseptic and germicide. Pleasant to use; does not blister under bandage or remove the hair and you can work the horse. \$2.00 per bottle, delivered. Book 7 K free.

ABSORBINE, JR., antiseptic liniment for manking. Reduces Painful, Swollen Veins, Gout, Wens, Strains, Bruises, stops pain and inflammation. Price \$1.00 per bottle at dealers or delivered. Will tell you more if you write. Manufactured only by
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WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kan.
John W. Johnson, 820 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.
C. H. Walker, N. E. Kansas, N. Missouri, 3632 Flora Ave., Kansas City, Mo.
Geo. W. Berry, N. Nebraska and W. Iowa, Capper Bldg., Topeka, Kan.
Harry W. Graham, E. Iowa and Illinois, Chillicothe, Mo.
Ed R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kans.

PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Poland China Hogs.

Aug. 12—H. Fesenmeyer, Clarinda, Ia.
Aug. 13—J. W. Pfander & Sons, Clarinda, Ia.
Sept. 5—Jas. T. Ellis, Adrian, Mo.
Sept. 6—J. C. Stalter, Jasper, Mo.
Sept. 17—L. R. McClarnon, Bradyville, Ia.
Oct. 1—D. C. Loneragan, Florence, Neb.
Oct. 4—Frank Rainier, Logan, Ia.
Oct. 10—Dietrich & Spaulding, Richmond, Kan.
Oct. 21—H. B. Walter, Effingham, Kan.
Oct. 15—R. B. Davis, Hiawatha, Kan.
Oct. 16—J. M. Nesbitt, Aledo, Ill.
Oct. 17—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
Oct. 18—Lambert Bros., Smith Center, Kan.
Oct. 20—Roy Johnston, South Mound, Kan.
Oct. 22—H. C. Graner, Lancaster, Kan.
Oct. 23—Deming Ranch, Oswego, Kan.
Oct. 23—U. S. Byrne, Saxton, Mo.
Oct. 25—J. H. Hamilton & Son, Guide Rock, Neb.
Oct. 25—J. W. Leeper, Norton, Kan.
Oct. 27—Herman Groninger & Sons, Bendena, Kan.
Oct. 28—W. R. Webb, Bendena, Kan.
Oct. 28—Joe Hemmy, Hill City, Kan.
Oct. 29—Walter Hildwein, Fairview, Kan.
Oct. 30—Harry Wales, Peculiar, Mo.
Oct. 30—Merton Williams, Valley Falls, Ka.
Nov. 1—John Belcher, Raymore, Mo.
Nov. 3—Joe Schneider, Nortonville, Kan.
Nov. 5—R. B. Davis, Hiawatha, Kan.
Nov. 6—W. E. Epley, Diller, Neb.
Nov. 7—U. S. Byrne, Saxton, Mo.
Nov. 8—John Nalman, Alexandria, Neb., at Hebron, Neb.
Nov. 15—John Kemmerer, Jewell, Kan.
Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.
Feb. 10—H. B. Walter, Effingham, Kan.
Feb. 11—H. C. Graner & Son, Lancaster, Kan.
Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
Feb. 13—J. E. Willis, Fairview, Kan.
Feb. 13—W. E. Epley, Diller, Neb.
Feb. 14—J. F. Foley, Orinogue, Kan.
Feb. 17—L. E. Klein, Zeandale, Kan.
Feb. 18—J. H. H. rter, Westmoreland, Kan.
Feb. 19—J. L. Griffiths, Riley, Kan.
Feb. 24—M. T. Shields, Lebanon, Kan.
Feb. 27—W. A. Davidson, Simpson, Kan.

Duroc-Jersey Hogs.

Oct. 17—Moser & Fitzwater, Goff, Kan.
Oct. 30—A. T. Cross, Guide Rock, Neb.
Oct. 31—A. M. Rinehart & Son, Smith Center, Kan.
Nov. 1—N. B. Price, Mankato, Kan.
Nov. 5—W. E. Monasmith, Formoso, Kan.
Nov. 7—Leon Carter, Asherville, Kan.
Jan. 23—J. J. Hartman, Elmo, Kan.
Jan. 26—Ward Bros., Republic, Kan.
Jan. 28—W. E. Monasmith, Formoso, Kan.
Jan. 29—N. B. Price, Mankato, Kan.
Jan. 30—Geo. P. Philippi, Lebanon, Kan.
Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.
Feb. 3—Howell Bros., Herkimer, Kan.
Feb. 4—Moser & Fitzwater, Goff, Kan.
Feb. 5—Samuelson Bros., Cleburne, Kan.
Feb. 6—Leon Carter, Asherville, Kan.
Feb. 7—E. G. Munsel, Herington, Kan.
Feb. 9—E. A. Trump, Formoso, Kan.
Feb. 10—Agricultural College, Manhattan, Kan.
Feb. 11—Thompson Bros., Garrison, Kan.
Feb. 20—John Emigh, Formoso, Kan.
Feb. 21—Dana D. Shuck, Burr Oak, Kan.
Feb. 25—A. T. Cross, Guide Rock, Neb.

O. I. C. Hogs.

Feb. 13—H. L. Bode, Friend, Neb.
Feb. 19—Chas. H. Murray, Friend, Neb.

Hampshire Hogs.

Nov. 4—H. D. DeKalb, DeKalb, Ia.

Galloway Cattle.

Sept. 16—C. D. McPherson, Route 2, Topeka, Kan.

Shorthorn Cattle.

Oct. 14—C. J. McMasters, Altona, Ill.

Ab----on Angus Cattle.

Oct. 22—W. F. Eckles, Green City, Mo.

Hereford Cattle.

Dec. 30-31—Mousel Bros., Cambridge, Neb.
Feb. 12-13—Nebraska Hereford Breeders' association, at Grand Island, Neb.

Percheron Horses.

Sept. 16—C. D. McPherson, Route 2, Topeka, Kan.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

For the last 20 years Frank Rockefeller, Belvidere, Kan., has been building one of the greatest herds of cattle to be found in this country, consisting both of Shorthorns and Herefords. It consists today of over 300 Shorthorns and 200 Herefords, all purebred and registered. Two hundred of the Shorthorns are polled and registered in both associations. So carefully have these cattle been selected that they are practically a dairy herd. Not a single nurse cow has ever been used on this farm. The best breeding animals from America's greatest

herds have been bought and used as a foundation for these two herds regardless of expense. A striking feature of both herds is the splendid quality combined with unusual bone and scale. Every animal sold will be accompanied by a health certificate issued by the state of Kansas. Eight thousand five hundred acres of land, the best improved and stream watered in the state, unequaled in extensive and finely constructed buildings on any farm in the entire West, will also be sold together with all these cattle and buffalo. This will be the greatest opportunity to buy purebred cattle, both Shorthorns and Herefords, ever offered in this country. Mr. Rockefeller means business and if you mean business here is your chance. Don't wait but write your wants today or call at the farm near Belvidere, Kan. Please mention Farmers Mail and Breeze.

N. E. Kansas and N. Missouri

BY C. H. WALKER.

W. J. Grist of Ozawie, Kan., who owns the largest herd of registered Berkshires in Kansas, is making special prices now on pigs, either boars or gilts, ten to 16 weeks old and sired by Robt. Lord Premier 2d or Adam, a son of Rival's Lord Premier and out of the breed's best sows. Nothing but the very best specimens will be shipped and at the following prices, registered, crated and f. o. b. Ozawie: One for \$20; two for \$35 or three for \$50. Considering the quality of this herd and the rare blood lines contained therein this offer is an exceptional bargain and should appeal to all who are in the market for breeding stock of the best. Write Mr. Grist at once and get your choice.

N. W. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

One of the most progressive and up-to-date breeders of big type Poland Chinas in central Kansas is John Hartman, Elmo, Kan. The writer enjoyed a very pleasant visit at the Hartman home recently and had the pleasure of meeting Mrs. Hartman.



J. J. Hartman

Mr. Hartman was recently married to a young lady who has lived, like Mr. Hartman, in Dickinson county all her life. They were children together, Mrs. Hartman's father being a prosperous farmer of that neighborhood. Mr. Hartman has improved his herd of Poland Chinas every year since he engaged in the business, several years ago. He has in use in his herd two herd boars that would be a credit to any herd in the country. One is Blue Valley, Jr., by Blue Valley's Quality and the other is Hartman's Hadley, by Knox All Hadley. Both will weigh around 700 pounds but could be made to weigh 1000 pounds. The sires of these boars are boars of note. Knox All Hadley is at the head of the Roy Johnson's herd and Blue Valley, Jr., is the great boar that was owned by Thos. F. Walker & Son and the sire of their great boar Blue Valley. Mr. Hartman's herd sows are all of the big, roomy kind and all of them the best of producers. Those that are not go to the feed yard. Mr. Hartman will not make a fall sale but will sell at private treaty all of his choice spring boars and the tops of his gilts in his bred sow sale. About half of the number that go in the sale will be topy fall gilts. The date of his bred sow sale is January 23.

Kosar's Spring Pigs.

Andrew Kosar, Glasco, Kan., is the well known breeder of O. I. C. hogs at that place and has enjoyed a fine trade all season. He has a fine lot of spring pigs for sale of either sex and later on will have a nice lot of White Holland turkeys and White Wyandottes to offer to Farmers Mail and Breeze readers. Mr. Kosar's advertisement appears regularly in Farmers Mail and Breeze and he has enjoyed liberal patronage from its readers for several years during which time he has never missed an issue with his advertisement. Those who have patronized him have found him reliable and trustworthy in every instance. Write him about O. I. C. spring pigs or the poultry mentioned.

Epley's Popular Herd.

W. E. Epley, Diller, Neb., is the owner of one of the most popular herds of big type Poland Chinas in southern Nebraska. He has bought liberally from the best herds in the West and knows how to take care of his herd and to develop his pigs to the very best advantage. His herd is the home of some of the best individuals in the state of Nebraska and is the home of Daisy, an 18-month-old sow that will be seen at the state fairs this fall, weighing close to the 800 mark. She is without question one of the great sows of the breed and her breeding on both sides is of the most popular blood lines. If you are going to buy a boar this fall you better write at once to W. E. Epley for prices and descriptions and have him book you for a boar now.

Murray's O. I. C. Hogs.

One of the very strongest herds of O. I. C. hogs in the west at least is the Chas. H. Murray herd at Friend, Neb. It is not only strong in breeding and individual merit but it is one of the largest herds in the country. Coupled with these facts is the important fact that Chas. H. Murray is a thorough business man, and reliable. He has at present 100 early spring pigs for sale and a choice offering of fall yearling boars for sale. His show herd will be seen at the Nebraska State Fair and probably at the Iowa and Kansas State Fairs. Many

DAIRY CATTLE.

18 Holsteins 10 Guernseys

All good cows and will freshen soon.
JACK HAMMEL, 215 Adams Street, TOPEKA, KANSAS.

Holstein Bred Cows and Heifers

"EIGHTY HEAD"

Choice individuals personally selected, Wisconsin bred tuberculin tested, pure bred, unrecorded and high grade females, recorded bulls. Grade bull and heifer calves.
ARNOLD & BRADY, Manhattan, Kans.

HOLSTEINS

—CHOICE
BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

OAK HILL HOLSTEINS

Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested.
BEN SCHNEIDER, NORTONVILLE, KAN.

BANKS' FARM JERSEYS

Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX, imported, at head of herd. Stock for sale.
W. N. BANKS, Independence, Kan.



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

ABERDEEN-ANGUS.

DENTON'S Angus Bulls all sold but a fine lot coming on for fall trade. Write your wants.
W. G. DENTON, DENTON, KANSAS

ANGUS CATTLE

Bulls and females for sale; singly or in carload lots. Address SUTTON & PORTEOUS Lawrence, Kan.

JERSEY CATTLE.

LINSCOTT JERSEYS

Only register of merit herd in Kansas. For sale: Grandson of Noble of Oaklands, ready for service. Also sons and daughters of the great Gambo's Knight. Prices reasonable.
R. J. LINSKOTT, HOLTON, KANSAS

POLLED DURHAMS.

Polled Durham Bulls

Six well bred young bulls and a limited number of cows and heifers for sale.
C. M. HOWARD, HAMMOND, KANSAS.

Polled Durhams

Headed by the undefeated Roan Hero, shown since a calf at International, American Royal and State Fairs, assisted by the superb show bull Acacia Prince. For sale at most all times young bulls to head herds and foundation stock. Look for my exhibit at the State Fairs.
D. C. VAN NICE, RICHLAND, KANSAS.

Hampshire Sheep

Shipping point, 18 Ram lambs for sale. Also young ewes, from yearlings up. Everything registered.
Waldo, Kansas. Address, E. S. Taliaferro, Russell, Kansas



Oldenburg German Coach Horses

We are the oldest and largest breeders of the Oldenburg German Coach west of the Mississippi River. Our 1912 winnings at the leading western shows exceeded those of any other individual horse exhibitor. We have stallions and mares of serviceable ages for sale. Write us. JOS. WEAR & SON, Barnard, Kan.

60-Bergner & Sons' Coach Horses-60

German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon 3159 and the Kansas State Fair prize winner Mephistoles 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon.
J. C. BERGNER & SONS, Waldoock Ranch, PRATT, KANSAS.



OVERLAND GUERNSEY FARM

THE FINEST HERD OF IMPORTED GUERNSEYS IN THE COUNTRY



PEGGY OF OVERLAND (Trade Mark)

MAY ROYAL, by Hays Royal, a line bred Golden Secret, and "the best Guernsey sire in America," chief stock bull. Cows and heifers of best imported strains. All cows tested for advanced registry.

In order better to introduce the Guernseys in the West, we will make attractive prices on young bulls and cows and heifers, bred and open. Special inducements to new breeders in herd foundation material.

If you wish to improve the quality and production of your milk, cream and butter, use a Guernsey sire. Unsurpassed in constitutional vigor, adaptability, and richness of product. Correspondence invited—your personal inspection preferred. Call on or address,

Overland Guernsey Farm, Overland Park, Kan.
C. F. Holmes, Owner. W. C. England, Mgr.
Eight miles S. W. of Kansas City on Strang Line. Station on Farm.

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.

GALLOWAY CATTLE and OXFORD DOWN SHEEP

Imported and home-bred, absolutely equal to the best.
C. S. HECHTNER, Box 66, Chariton, Iowa

GUERNSEYS.

A GUERNSEY HERD BULL FOR SALE.

I am offering Trixey Lester, my registered herd bull for sale. No fancy price.
JOHN PERBENOUD, HUMBOLDT, KAN.

SHORTHORNS.

Glenwood Farms Announce

Can spare no more bred sows. Have a few choice boars left. Plenty of Shorthorns always. We build the most complete concrete silo yet offered the public. Have several on our place. They are a success. Write for particulars. Address,

C. S. NEVIUS, CHILES, KAN.

10 High Class Scotch and Scotch Topped

Shorthorn Cows of dairy quality, for sale, also two extra fine 10-months-old bulls. One by Baron Camberland, the other, a show prospect, by Silk Goods.

DR. W. C. HARKEY, Lenexa, Kan.

HOLSTEINS.

HOLSTEINS Large type. State inspected and tuberculin tested. Fine registered bulls, cows and heifers; also 100 grade cows and heifers. M. F. Knudsen, Concordia, Kan.

Bonnie Brae Holsteins

For sale, about 80 head of high grade young cows, 2-year-olds and bred yearlings. These cattle are strictly first class, with many heavy springers. Come and see them.
IRA ROMIG, Sta. B, TOPEKA, KANSAS.

HOLSTEIN Cattle

During the next 60 days I will sell:
125 High-grade, well-marked Holstein heifers, age one year to 1½, just being bred to a high class registered bull.

250 High-grade, well-marked Holstein heifers, ranging from 2 to 3 years old, all bred to extra good registered bulls, to freshen from Aug. 1 to Dec. 1, 1913.

100 Matured cows, springing bag ready to freshen. Most of them in calf from registered bull.

40 Select, well-marked registered bulls, extra nice individuals, ages from 6 months up.

A few good registered cows in calf by an A. R. O. bull. Write me for particulars.

JAMES DORSEY, Dept. M. B., Gilberts, Kane Co., Illinois

POLAND CHINAS.

BIG BARGAINS—BRED SOWS.
6 of our best sows, bred and safe to Gold Mine, for July and September farrow. 5 last fall gilts, safe to Best Price. Best bunch of spring pigs we have ever offered. Priced right.

DIETRICH & SPAULDING, Richmond, Kan.

Polands, with Size and Quality Bred sows and gilts; also boars all ages for sale, sired by Waccher's Referee, Quamo and King Hadley. Lambert Bros., Smith Center, Kan.

100 SPRING PIGS Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; priced right and guaranteed.
W. Z. BAKER, RICH HILL, MISSOURI.

BIG BONE POLAND CHINAS. A Wonder and Long King breeding. Boar pigs \$12.50 each.
F. Borelli, Route No. 1, Dover, Oklahoma

Large Type Yearling Sows
Sired by and bred to boars weighing between 900 and 1000 pounds and due to farrow in August and September. Thos. B. Murphy & Sons, Corbin, Kans.

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.

Schneider's Poland Chinas!
20 head of good fall gilts. Some bred for September farrow, others offered open. A few good fall boars that I am pricing cheap to move them.
JOE SCHNEIDER, NORTONVILLE, KAN.

Albright's Fall and Winter Boars
and Gilts for sale. 40 head of nice, smooth individuals, sired by Cavett's Mastiff, by King Mastiff, and out of big type sows. Write for prices.
A. L. ALBRIGHT, Waterville, Kansas

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. All

Immunized by Double Treatment
Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 8d. Everything guaranteed and sold worth the money. Address
CLARENCE DEAN, WESTON, MISSOURI

GEO. W. NOWELS, GLASCO, KAN.
45 March boars and gilts for sale. Medium type. Size and quality. Pairs and trios not related. Prices right. Address as above.

KLEIN'S TABOR VALLEY HERD
Some choice January Poland China boars by Chief Price 6167. Also two Sept. boars same breeding. Fall gilts, bred or open. Tops of 30 February boars. All out of big mature dams. Satisfaction guaranteed.
L. E. KLEIN, Zeandale, Kan.

John Harter's September Boars
25 selected Sept. boars to pick from. Sired by Mogul's Monarch, Long King, Prince Hadley and Gebhart. Well grown and desirable as herd boars. Prices right. Satisfaction guaranteed.
J. H. HARTER, WESTMORELAND, KAN.

Poland China tried sows and fall gilts, bred or open. Big type boars and big mature dams.
J. F. FOLEY, Oronoque (Norton Co.), Kan.

Green Lawn Stock Farm of Adrian, Mo.
Is offering 40 Fall and Winter Males that will weigh from 150 to 250 each. No better Poland Chinas on earth. Also a number of bred gilts.
JAS. T. ELLIS, ADRIAN, MISSOURI
Successor to A. J. Erhart & Sons.

BIG SMOOTH BRED GILTS
By A. Wonder's Equal by A. Wonder out of dams by Knox All Hadley by Big Hadley. Growthy yearlings with extra size and quality, bred for early fall litters to the noted Orphan Chief.
A. R. ENOS, RAMONA, KANSAS.

HILDWEIN'S BIG POLANDS
Make your selections from my large herd of the "big kind". They are the kind that make good.
Public Sale October 29.
WALTER HILDWEIN, FAIRVIEW, KAN.

Fall and Summer Gilts
15 fall gilts open, 10 summer gilts bred and open, yearling and tried sows bred for fall farrow. Also an attractive herd boar offer.
E. C. LOGAN, (Mitchell Co.) SOLOMON RAPIDS, KAN.

Mt. Tabor Herd Poland Chinas
BIG AND MEDIUM TYPE. Herd Immune.
For sale: Fall boars and gilts and 100 spring pigs, by Big Mogul and College Special 5th. Bred sows and gilts of either type. J. D. Willifong, Zeandale, Kan.

Special 30-DAYS OFFER
Choice Poland China spring pigs, either sex, \$20, express paid. Certificate with every pig. Satisfaction guaranteed.
Howard R. Ames, Maple Hill, Kan.

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 40 fall boars sired by 1,000 pound boars and from 600 and 800 pound dams; strictly big type Poland Chinas. I breed for length, bone, large litters and quick maturity. I also have 50 fall gilts, to be in the market this fall and winter and 100 spring pigs that are doing fine.

and many state fairs. He is well represented in this excellent herd. When you do business with Dr. Harkey you cannot go wrong in price nor quality. It's his makeup to do the right thing with everybody.

R. C. Watson of Altoona, Kan., will make special prices on his spring pigs for next 30 days. The very tops of his 70 head of spring pigs will be included in this offering. They are in fine condition. Mr. Watson is making special prices on his pigs so that he can move them out of the way of his fall crop. They are sired by R. C. Buddy, Watson's Col. and Model Top. If you are interested in good Duroc-Jerseys it will pay you to write Mr. Watson.

Gage's O. I. C.'s Doing Well.
We recently received a letter from R. W. Gage of Garnett, Kansas, breeder of high class Ohio Improved Chester White hogs and White Leghorn chickens. Mr. Gage is one of the largest and most extensive breeders in the state. Not only is he a breeder, but he is an exhibitor, and is fitting up ten head for the State Fair circuit this fall. He reports sales good, and stock looking fine.

Guernsey Bull for Sale.
We wish to call the readers' attention to the advertisement of John Perrenoud, of Humboldt, Kan., breeder of Guernsey cattle and Duroc-Jersey hogs. He is offering his three-year-old bull, a strictly first class breeder and a 75 per cent female sire. When the bull sells a good guarantee accompanies the sale. The representative visited this herd a short while ago and found one of the nicest, cleanest and up-to-date dairies we have seen any where. This bull would do any dairyman good, as he comes from a splendid milk family.

Sutton Farm Daddies.
Sutton Farms, Lawrence, Kansas, is offering our readers some special bargains in Angus bulls. The Sutton herd of Angus cattle is as well known as any herd of Daddies in the United States. They have been regular and consistent winners in all the leading state fairs and stock shows for the past dozen years or more. Sutton recently made a sale of bull calves to go to Honolulu. He also made a sale of 24 bull calves recently to go to Harry Braidfoot of Loop, Texas. To any of our readers wanting Angus breeding stock, either bulls or females, we cheerfully recommend this firm.

Good O. I. C. Hogs.
Henry Kamping, of Elsmore, Kansas, breeder of O. I. C. hogs has a small herd of about fifty head representing a number of the best herds of Kansas, Missouri, Iowa and Nebraska. At the head of the herd is the good, young hog Nero L. 40029, bred by W. H. Lynch, Reading, Kansas, sired by Kerr Garnett 2nd 25435, by Kerr Garnett 17167 and out of Vanda L. 25435, by Pomona Chief 8614. He is assisted by Alvey Commodore 40030, bred by Alvey Bros., Meriden, Kansas, sire Alvey Little Casino 25230, by B. C. Frosty Boy 20312. The herd sows are sired by such boars as Royal Champion 13885, champion and grand champion at the American Royal in 1908, Alvey Commodore and Plato. The owner has a number of nice pigs ready to ship out by Commodore and Success. Parties wanting Ohio Improved Chester White hogs will do well to write Mr. Kamping.

The Bayless-Dero Importation.
W. H. Bayless, president of the importing firm known as Blue Valley Stock Farm, of Blue Mound, Kansas, started for Belgium after a load of stallions and mares. He left on the steamer Mauretania, July 23 and will go direct to Ninove, the heart of the horse country of Belgium. He will also purchase a car load to be shipped in January, as they have not at present stable room to accommodate what they now have and what will be bought this fall. It will be remembered that, so far this year, the Belgian horses of Blue Valley Stock Farm outsold any other breed west of the Mississippi River. Mr. Bayless is one of America's very best judges of all classes of horses including mules and jacks. He has spent a life time in the business. He owns over a thousand acres of land. He and his sons are the largest stock holders of the Linn County bank. When this lot of horses come they will all be strictly first class in every way. Last year this firm just landed with a car load and showed them at the American Royal and if we remember correctly they won eighteen prizes, which often included first, second and third prize in one class. We will let the readers know when this importation arrives.

Taylor Guarantees His Hogs.
J. L. Taylor of Olean, Mo., breeder of Duroc-Jersey hogs of show yard character, is advertising in this issue. In 1912 he showed four sows at the Missouri State Fair, where he won first prize on Lady Flotilla 21582 and third prize on Minnie Thornton 386014. The latter is not only a show sow but show she had three extra fine males, farrowed January 16, 1912, just outclassed in age. Barring age, they would have easily been placed inside the money. Many of his good herd sows are daughters and granddaughters of these two show sows. At the head of the herd is Dreadnaught 138919, by Bancroft's Wonder 97331, out of Pet 273806, by Model 2nd 87409. Many of the sows now for sale are bred by Dreadnaught for August and September farrow. Whiskey and Faith 129317, farrowed March 23, 1912, weighs over 600 pounds. He will be shown with the herd at the Missouri State Fair and American Royal this fall. He was sired by Golden Charley 111229, by Chief Mutti 61999, out of Florence Thornton 286016, by Missouri Kruger 92169, Firestone 138461, out of the great brood and show sow Minnie Thornton 286014, by Golden Charley 111229, farrowed October 27, 1912, will also be one of the herd of 1913. A line of prize winners on both sides makes the owner feel like he has license to win right along with these hogs. They go back to S. Y. Thornton's great herd of state winners. As this is a first class herd, owner has no hesitancy in stating he can please the most exacting. He is pricing spring pigs at \$20 each, \$37.50 for two, \$50 for three. He is offering young sows, open for \$25 and bred for \$35. September males from \$25 to \$35. Not often does a breeder print his prices, but Mr. Taylor is willing breeders should know his prices and a check, draft or money order gets a good one for the price with a first class guarantee of satisfaction or money returned.

H. FESENMEYER'S A WONDER BIG TYPE Poland China Sale!

CLARINDA, IA., Aug. 12, 1913

50 Head —20 Bred Sows, 3 Gilts, 27 Boars.
10 Sows Bred to the Real

A WONDER

6 Sows Sired by the only

A WONDER

10 Sows Bred to the Sensational

BIG JOE

2 Sows sired by BIG JOE and bred to

A WONDER

12 Choice Boar Pigs sired by A WONDER.

15 Choice Boar Pigs Sired by BIG JOE.

3 Choice Gilts Sired by A WONDER, the best known boar living.

The catalogue will be mailed free upon application.
Write for it.

HENRY FESENMEYER, Clarinda, Ia.

H. S. Duncan, Auctioneer.

G. W. Berry, Fieldman.

Rockefeller Disperses Herefords and Shorthorns 500 HEAD TO SELL at Private Treaty 300 Shorthorns -:- 200 Herefords

The greatest opportunity to
buy pure bred cattle ever
offered in this country.

This offering consists of cows, heifers and calves that carry the most fashionable blood of these breeds. Every animal is registered and two-thirds of the Shorthorns are Polled and registered in both associations.

The best breeding animals from America's greatest herds have been bought and used as a foundation for these two herds, regardless of expense. A striking feature of both herds is the splendid quality combined with unusual bone and scale. This herd has been so carefully selected for the last 20 years that it is practically a dairy herd. They are in excellent breeding condition but nothing pampered. A nurse cow has never been used on this farm. Every animal sold accompanied by health certificate of inspection issued by State of Kansas.

8,500 Acres of Land

The best improved and stream watered land in Kansas. The extent of finely constructed buildings on this farm is not equalled in any western state.

Both cattle and land should be seen to be rightly appreciated. 60 Buffalo, either sex and various ages also sell. Write your wants. Do it today, or call soon.

FRANK ROCKEFELLER, Belvidere, Kans.

Be an Auto or Tractor Expert

Scores of Positions—Good Paying Positions—Are Open!

Six weeks from the day you commence your studies in this great practical school, you will be able to repair any make of automobile and drive any car on the market. Prepare yourself to make a salary of \$75 to \$200 a month, or go in business for yourself as garage owner or automobile agent and make from \$2,000 to \$5,000 a year.

After a thorough inspection of our institution, our equipment and our thorough, practical way of teaching our students, THE REPRESENTATIVE OF "THE FARMERS MAIL AND BREEZE" SAID:

"Mr. Rahe, you have a wonderful institution. It is easy to see why it is that your graduates get the best paying positions."

Every visitor, every student, every graduate says the same. The Automobile Training School is an institution that invites inspection. It is a practical school. We have the best equipped automobile and tractor school in America. Thousands of dollars worth of Automobiles, Tractors, Engines, Magnets, Chassis, Gears, Lathes—in fact, every kind of automobile equipment and machinery are here and used daily to instruct our students. Our Garage and Repair Department is one of the largest in Kansas City or the West.

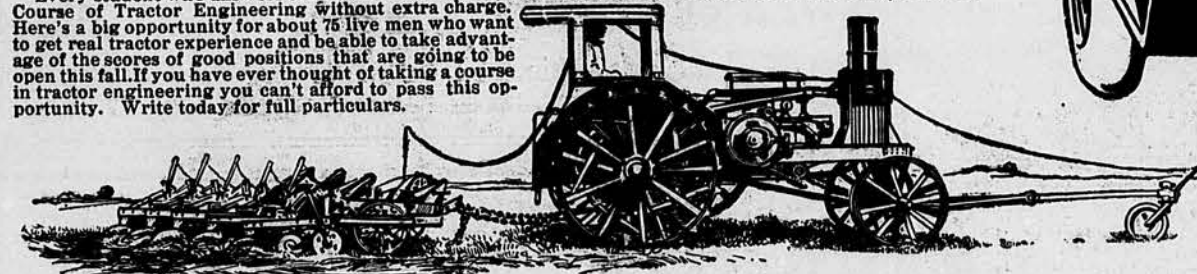
Scores of Automobiles are brought here for repair and adjustment. Our students lay aside their good clothes, don overalls and under the careful guidance of our officers and members of the faculty learn by practical experience how to repair quickly any make of automobile. This is a kind of instruction that other schools cannot offer. In this great Garage and Repair Department our students are taught the details of garage management, how to buy and sell automobiles, as well as to do Expert Repair Work. It is here they gain that practical experience and expert knowledge that secures for the graduates of this school the highest salaried positions as Auto Salesmen, Demonstrators, Garage Mgrs., Repair Men and Drivers.

Earn \$75 to \$200 a Month

Automobile Training School graduates are in demand. The letters reproduced below are from the Studebaker Automobile Company, the Winton Motor Car Co., and others regarding the efficiency of our graduates. We will gladly send you letters from our graduates, many of whom formerly earned only day wages, but who now have responsible and good paying positions. Many are in business for themselves and making big money. It is a fact easily proven that the Automobile Training School of Kansas City has many times more graduates holding responsible positions than all other Automobile Schools in the West combined.

TRACTOR Course FREE!

Every student who answers this advertisement and enrolls within the next 60 days will be entitled to our Course of Tractor Engineering without extra charge. Here's a big opportunity for about 75 live men who want to get real tractor experience and be able to take advantage of the scores of good positions that are going to be open this fall. If you have ever thought of taking a course in tractor engineering you can't afford to pass this opportunity. Write today for full particulars.

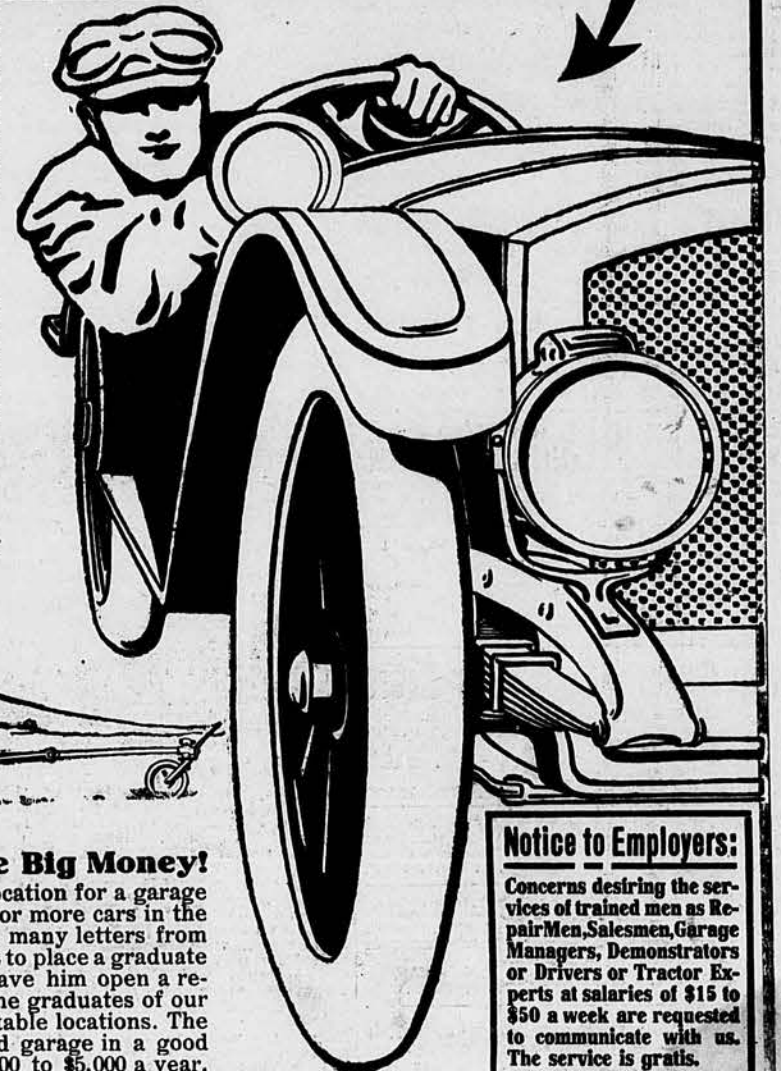


The woods are full of ordinary men. Jobs for them are scarce. Good opportunities are open only for trained, competent men. Be one of them. You can earn big money in the auto business provided you prepare yourself for the right kind of work. A large auto dealer said recently: "There are not half enough competent, reliable automobile men to supply the demand in the west, let alone the big cities in the east."

Auto experts earn \$75 to \$200 a month, some of them a great deal more. Scores of our graduates now hold responsible places because they can do expert work. In every city the demand for trained automobile experts is enormous. For years to come this condition will exist because the auto truck and tractor business is still in its infancy and it will require thousands of trained men to fill the need in these branches alone.

Garage Owners Make Big Money!

Almost any town is a good location for a garage and repair shop if there are ten or more cars in the locality. In our office we have many letters from business men who have asked us to place a graduate of our school in their city, and have him open a repair shop. We are glad to help the graduates of our "C" and "D" course to find profitable locations. The earnings of a properly conducted garage in a good community should be from \$1,000 to \$5,000 a year.



Notice to Employers:

Concerns desiring the services of trained men as Repair Men, Salesmen, Garage Managers, Demonstrators or Drivers or Tractor Experts at salaries of \$15 to \$50 a week are requested to communicate with us. The service is gratis.

Read These Letters from Automobile Manufacturers

THE STUDEBAKER CORPORATION, WINTON MOTOR CAR COMPANY.
Automobile Department.
Kansas City, Mo.
Automobile Training School,
Kansas City, Mo.
Gentlemen: No doubt you will be pleased to learn that one of your graduates has been promoted to the position of Road Expert. The balance of the boys in our employ who came from your school are doing exceptionally good work. You have the unqualified endorsement of the local Studebaker Agency.
Yours very truly,
THE STUDEBAKER CORPORATION,
By J. L. Purcell,
Manager Retail Dept.

W. R. DEMSTER.
High Grade Auto Repairing.
Kansas City, Mo.
Mr. H. J. Rahe, Pres.,
Automobile Training School,
Kansas City, Mo.
Dear Mr. Rahe: There isn't any question in my mind that your automobile school is the best in the country. I for one automobile repair man, would not think of having a student who came from any other school.
Yours very truly,
W. R. DEMSTER.

THE ADMIRAL GARAGE AND REPAIR WORKS.
Kansas City, Mo.
Mr. H. J. Rahe, President,
Automobile Training School,
Kansas City, Mo.
My Dear Mr. Rahe: For the past three years nearly all of our mechanics have been graduates of your school. It is a pleasure to state that they handle delicate repair work on magneto and coil boxes like factory experts. It has often puzzled the writer that such expert knowledge could be drummed in a man's head in such a short time. Wishing you continued success, we remain
ADMIRAL GARAGE, W. A. Stusher, Mgr.

SCHERRER AUTO REPAIR CO.
Automobile Specialists,
Automobile Training School,
Kansas City, Mo.
Gentlemen: The other night at a meeting of the Automobile Repairmen's Association, the members in general discussed the plan whereby they could hire competent Auto Repairmen.
It was then that I learned that nearly every garage repair shop and agency in Kansas City are hiring your students exclusively.
Hereafter when we are in need of competent help we will communicate with you.
THE SCHERRER AUTO REPAIR CO.,
By Chas. J. Scherrer, Mgr.

NO BOOKS USED— NO TOOLS TO BUY

The Automobile Training School has no pretty picture books, and offers no charts or correspondence courses. These things don't teach you the automobile business so that you can go out and earn a big salary. Our students receive individual, practical instruction under practical conditions on real up-to-date automobiles. The progress of each student is carefully watched by our instructors.

Send the Coupon Today for Important Information!

Write today for our big free catalog. It is interesting and instructive—does not cost you one cent and places you under no obligation whatever. You need it for your own sake, not mine. Some of the brightest, wide-awake young men in the West are here in school now. Are you going to join them? There's no profit in waiting. Write me today, or better yet, get on the train, come to Kansas City, and let me show you what a great big splendid opportunity there is here for you.

HENRY J. RAHE, President

Automobile Training School

Largest in the World
1009 Locust St., Kansas City, Mo.

Our Complete "C" Course

Our complete "C" Course is a Life Scholarship and consists of all practical works and includes eight weeks instruction in Driving, Vulcanizing, Practical Repair Work, Tires and Tire Trouble, Forge Work, Lathe Work, Welding and Assembling, Automobile Salesmanship, Shop Management, Lubrication and Oils, Commercial Trucks, Electric Cars, Gasoline Engines, Garage Management, Automobile Laws, Magneto and Automobile Advertising.

Special Offer to Farmers Mail and Breeze Readers

I have a special offer to make a limited number of readers who answer this advertisement right away. I am authorized to make you a special low price on our \$100 "C" Course which includes a life scholarship and our complete Tractor course without extra charge. Your tuition covers all expenses at the school. We have no extras. Good board and room near the school at special low rates to our students. Here is a chance you may never have again to fit yourself for the fastest growing, best paying industry the world has ever known. Write me TODAY.

TEAR OFF COUPON HERE

FREE

**Write Today
For Our Big Book**

Automobile Training School Largest in the World
Please send me your Free Book. 1009 Locust St., Kansas City, Mo.

Name.....
Town..... State.....

To Our Readers:—We recommend the Automobile Training School. They are reliable.—Editor Farmers Mail and Breeze.