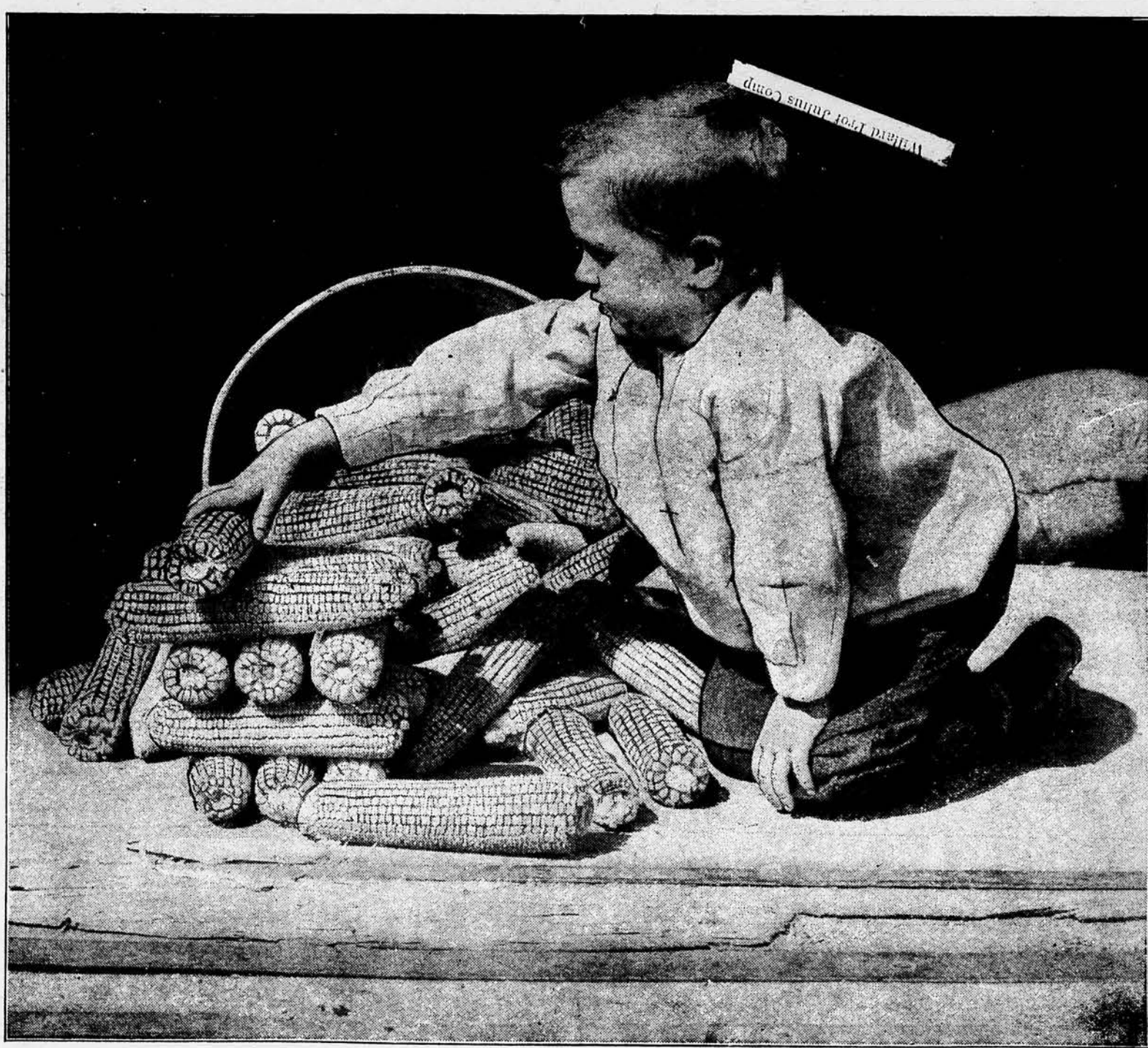


THE FARMERS MAIL AND BREEZE

Volume 43

March 29, 1913

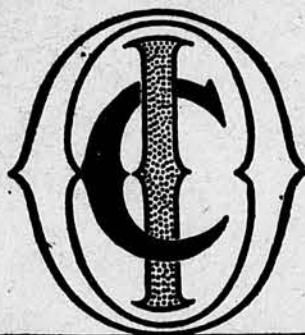
Number 3



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NEXT week's Mail and Breeze will be a taxpayers' number. That is, it will be devoted largely to the Kansas hen and her husband. They not only pay all the taxes every year but always have a million or two left over for a nest egg. This is the busy season for this worthy couple. The Supplemental Poultry Number of the Mail and Breeze will reflect the season and will illustrate pictorially and otherwise what the readers of the Mail and Breeze are accomplishing in the poultry industry. Best of all it will pay much attention to the helpful and profitable methods of management which have been worked out by the poultry raisers of Kansas.

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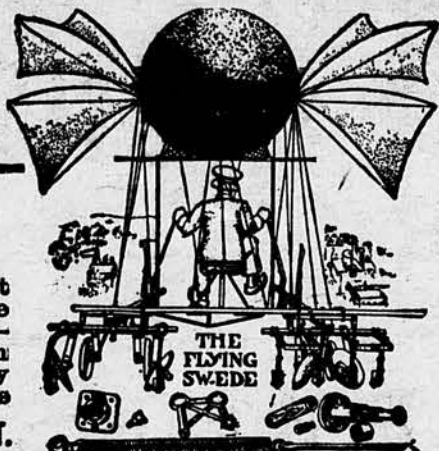
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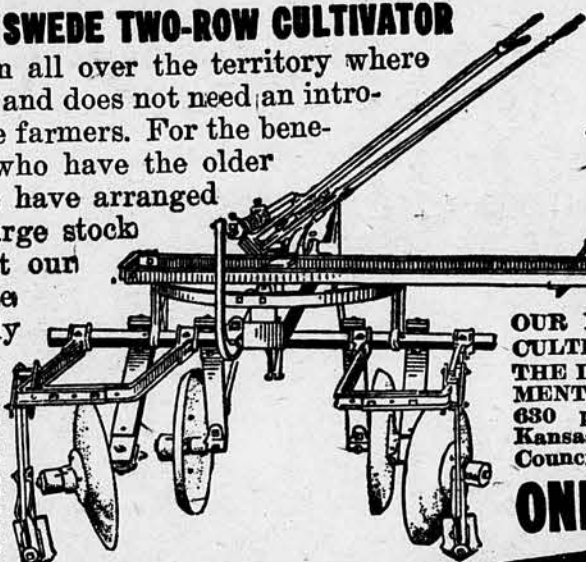
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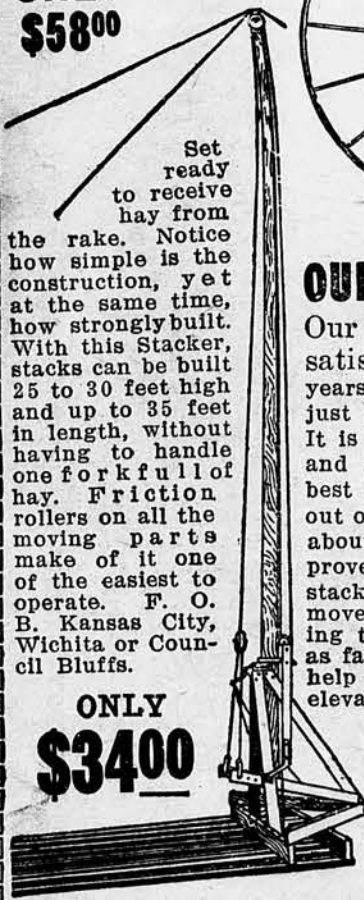


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ING HAY STACKER

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O'NEIL IMPLEMENT COMPANY, LaSalle, Illinois



THE FARMERS MAIL AND BREEZE

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



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ERRORS WE SHOULD AVOID IN SEEDING ALFALFA

THE time is at hand when a whole lot of people elsewhere as well as in Kansas will be figuring on sowing an acreage of alfalfa—some more and some less. The intending sower, especially if a beginner, is at once confronted with some questions that are formidable, and answers to which, that would insure him against doing the wrong thing, would be worth considerable money, besides saving him from some annoying meditations later.

One of these questions will be, "When is the best time to sow," or "When had I better sow?"

No one can answer this to a certainty in advance, as seasons and conditions are so variable. We are prone to "praise the bridge which carries us over," and hence if we encounter a grower who has succeeded well from sowing in the spring he will argue that spring is by all means the proper season for seeding, while another who has fared well by seeding in the fall may insist that no other season is so excellent, and vice versa. The truth is that abundant success has resulted from both, but by no means in every instance, any more than failure has resulted from either in every instance. Unfavorable weather conditions such as too much or too little rain after sowing, improper or insufficient preparation of the soil, or poor seed, are among the more prominent causes of failure, whether the sowing is done in the spring or in the fall, and in neither season can the weather conditions be accurately foretold.

However, in the Middle West, as alfalfa becomes better understood through enlarged experience with it, the tendency is more and more toward sowing from August 15 to September 15 rather than in April, and likewise toward sowing without a nurse crop where by the young alfalfa plants are more accessible to sunshine and air, and are beneficiaries of all the moisture and fertility contained in the soil—all of which are needful for their welfare. When a nurse crop of any vigor is removed the alfalfa is likely to be found weak, spindling and with little root growth; the nurse crop has also taken up some of the soil nitrogen needed by the young alfalfa; or if the nurse crop is heavy and has lodged, there will be left bare spots, where the alfalfa has been smothered. Yet, no one arbitrary hard and fast rule can be laid down, applicable to all sections, for allowance must be made and consideration given to differences in latitude and longitude and altitude, soils and seasons. For beginners the practices, experiences and failures as well as successes of those in a like and nearby environment constitute the most reliable bases upon which to form conclusions as to the procedure advisable for the sower to follow.

Probably there is none better than to plow the land in the spring and then cultivate or disk-harrow it every few weeks until time to sow. This conserves the moisture and destroys the innumerable weeds that constantly spring up in the meantime, and with which the spring-sown alfalfa might have had a severe if not fatal struggle during the summer. The cleaner the land the better the probabilities.

A query that will arise is, "How much seed should I sow, and how should I sow it?" The quantity most generally recommended is anywhere from 15 to 20 pounds per acre, yet under some circumstances 5 pounds, and even 3 pounds, has been found sufficient, and again 35 pounds has seemed too little. If the seeds in 5 pounds were evenly distributed and each one produced a prosperous plant the resulting stand would be ample, or more, but somehow as a rule such

When Spring Sowing May Prove More Successful Than Fall

BY F. D. COBURN

Written Expressly For Farmers Mail and Breeze

a result is very, very rarely, if ever, attained. If too numerous or too close together the roots are feeble, the crowns send up stems that are few and slender, and leaves either do not form on the lower parts or become unhealthy and drop off before the time for harvesting.

There is always much seed on the market that from one cause or another will not germinate, or if it does the germination is so feeble as to come to naught; again much alfalfa seed is so foul with trash and seeds of noxious weeds as to be wholly unfit to sow even as a gift. The state experiment stations

is not to be irrigated. Seed imported from foreign countries has no advantages, and may have numerous disadvantages.

Do not buy seed unless it has behind it a man or concern whose reputation and name mean something to them. If they mean something to them, they will mean something to you. Do not buy of the other fellows. Despite the seductive seedsman and his enrapturing catalog there is no considerable seed of a superior variety of alfalfa, however foreign or high-sounding the name attached, sold in this country or anywhere else at this time so far as I have been able to discover. As yet alfalfa seed is simply alfalfa seed and varying the labels does not make it any different. Choice seed by no means assures a good stand, but no one need hope for a good stand from poor seed, even though every other requisite is provided and all other conditions are favorable. The same may be said of sowing on land that is not properly and carefully prepared for this particular crop. Time is lost instead of saved by sowing before proper preparation has been made of well-drained, fertile land in good tilth, and clean.

"How to sow?" Sow any way that gives a uniform or even distribution of the seed and leaves it covered with from a half inch to an inch (not more) of fined, firmed soil. Sowing by hand is successfully done by men experienced in that sort of work, and a thorough harrowing follows. Others do well with grain drills having adjustments for such uses, or, better yet, with drills made especially for the purpose. A sower attached to and operated from a wheelbarrow is often found satisfactory. Probably whatever plan is followed a more even sowing is had by scattering a part of the seed in one direction across the land and then going crosswise of this with the remainder.

Sowing with a drill gives the comforting assurance that most of the seed is in instead of on top of the ground. Not much can be expected from seed imperfectly covered. If the ground is quite dry at seeding time and there is no immediate prospect of showers a rolling presses the earth on and about the seeds and brings them in a more perfect contact with the soil, also whatever moisture it contains or that ascends from the subsoil.

For any prosperity worth while alfalfa must have in its soil certain bacteria that are common to few other plants, but Sweet clover (*Melilotus alba*) has the same inoculation. When alfalfa is planted in a field where none has grown before, it is wise and often essential to introduce some of the right bacteria. This is simple. Soil from ground on which either alfalfa or Sweet clover is growing luxuriantly, and where the nodules in which they multiply show that it contains the desired bacteria, can be scattered broadcast, at the rate of 200 to 500 pounds or more per acre, and harrowed in, just before or after sowing seed, and before there is a chance

for exposure to the hot sun. The bacteria on the roots of the ordinary clovers and most other plants are not at all adapted to inoculating land for alfalfa. If the soil is sour an application of 500 to 1,000 pounds, or more, of lime per acre is a corrective. A light top dressing of manure after sowing, or any time during the succeeding winter helps to give the growing plants some food.

F. D. Coburn



Bringing the hay to the barn with least handling.

or the bureau of plant industry at Washington are glad to test and report on the germinating quality and purity of samples, without charge.

Only seed of the best quality is worth sowing; and the best is worth all it costs. There is no such thing as "cheap" seed, and no such thing as "half a stand" of alfalfa. The grower who hasn't a stand is without alfalfa and simply in the air. Seed grown in nearly the same latitude as that in which it is to be sown is desirable, and that grown under irrigation is considered poorly adapted for sowing on land that

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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

A LEGISLATIVE REVIEW.

It is the purpose of this and other articles that will follow it, to give as succinctly and fairly as possible a review of the acts of the legislature that adjourned last week.

The people have a right to know what their lawmakers have done in order to form an impartial judgment so far as it is possible for human judgment to be impartial, and for that reason it is my desire that the statements I make may be accurate and unbiased. I wish to commend where commendation is deserved and to criticize where it seems to me there is just room for criticism.

I fully realize that in the hurry and stress of a legislative session, many bills are passed without proper consideration and mistakes made, not through deliberate intent on the part of the members, but through a lack of time and opportunity to properly consider the matters on which they are forced to vote either for or against.

The bane of popular government is lack of fairness, desire for partisan advantage and want of the accurate information necessary to a correct conclusion. It may be that in this series of articles errors may creep in, though not intentionally.

One good thing that I feel sure will result from this legislature is that it will disabuse the minds of a great many citizens of Kansas of a misapprehension, provided the facts are properly presented.

It is well known that the last campaign was very largely waged, on the part of the Democratic party of this state, on the theory that the Republican administration had been wildly extravagant and had recklessly squandered the taxpayers' money in needless appropriations. Democratic speakers, led by their candidate for governor, denounced in unsparing language the ever-growing appropriations made by Republican legislatures and intimated that the state was supporting a horde of useless officers.

Most of the shafts of criticism and invective were hurled at the then governor, W. R. Stubbs, to such an extent indeed that a stranger from some other country, unfamiliar with our form of government and its co-ordinate branches, might have gathered the impression that Stubbs comprised the sum total of the state government; that the legislature was composed of mere ministers of his will; that the courts merely registered his opinions and that all departments of the state government had sunk to a condition of spineless servility. He was blamed not only for all the appropriations made by the legislature, but apparently was charged with the responsibility for local taxes as well. Of course, these speakers knew that this line of talk was unfair, but many of the people had never taken the trouble to make a careful study of public affairs or made a close examination of the way in which taxes are levied. They did know that for some reason taxes had grown heavier and concluded that somebody was to blame and here

were supposedly reliable men charging it up to Stubbs and the Stubbs administration.

They wanted relief, and these men were promising it if they should be elected to office. Not only were a number of the Democratic speakers making these promises, but they were aided by certain Republican speakers, moved by a hostility to the governor.

When a United States Republican senator, who had been honored by the voters of his state with a long uninterrupted lease of place and power, indorsed and reiterated the statements about inexcusable extravagance on the part of the state administration, it was no particular wonder that a great many voters concluded that there must be something "rotten in Denmark," and that there ought to be a change of administration.

They were promised that if they would elect a Democratic governor and Democratic legislature, the expenses of running the state government would be reduced at least 20 per cent, and it is reported that Mr. Hodges stated that the reduction would be fully 25 per cent.

Influenced by these promises, they did elect a Democratic legislature and while there is a very serious question as to who was really elected governor, the Democratic candidate received the certificate of election and assumed the duties of the office.

The legislature, after a strenuous session, adjourned, and we are now able to tell how well they fulfilled the promises made to the people. Some of the measures passed by this legislature were, in my judgment, wise and beneficial; others were simply unwise and some, I think, were bad, but of them I will speak later.

As the matter of appropriations was the subject that was uppermost in the minds of the people before election, it naturally comes first for consideration, and I want to compare as briefly and comprehensively as possible the appropriations made by the much maligned administration that went out of power last January, including the legislature of 1911, for the biennial period ending June 30, 1913, and the appropriations made by the present legislature and approved by the governor for the biennial period ending June 30, 1915.

The appropriations made by the legislature of 1911 aggregated \$8,375,884.91. That was a good deal of money. Democratic orators, headed by the governor, appeared to be horrified by the array of figures and sweat drops of sympathy for the taxpayers bowed down under the tremendous burden. Twenty-five per cent of that would amount to something over 2 million dollars, which would be a neat sum to lift from the wearied backs of the yeomanry who had to walk up to the county treasurer's office and settle.

It is not surprising that burdened taxpayers should be struck with an astonishment amounting almost to paralysis when the announcement is made that not only has there been no reduction of appropriations amounting to 2 million dollars, or any other sum, but, on the contrary, that the aggregate of appropriations amounts to more than half a million dollars more for the next biennial period than for the past. On the face of it the aggregate appropriations amount to \$8,834,546.40, which would show an increase of only \$458,661.49 over the appropriations of two years ago, but this does not show the real increase for two reasons. First, where there was a balance remaining in any fund, it was reappropriated to that fund, but the amount of such reappropriation is not stated in the bill itself. It has, I think, been the general custom heretofore, at the end of a biennial period, to allow any unexpended balance to revert to the general revenue fund instead of reappropriating it.

I have no criticisms of the action in reappropriating these balances to the institutions for whose benefit they were originally appropriated but only speak of this to show that the total sum mentioned heretofore does not show by many thousand dollars the actual amounts appropriated. In addition to that, heretofore where fees were collected by one of the educational institutions a part of them simply went into the general revenue fund to help pay the general expenses of the state government.

All the fees collected by the various educational institutions were appropriated to the institutions in addition to the general appropriation. While it cannot be told with certainty what these appropriations will amount to for the biennial period, it is certain that they will amount to considerably more than \$200,000, which would swell the total appropriations to more than 9 million dollars for the biennial period.

At the same time this depletes the general revenue fund to that extent and will force the state to raise that much more revenue by direct taxation. In other words, the administration which started in with an implied, if not a direct, promise to reduce appropriations to the extent of perhaps a couple of million dollars winds up by increasing appropriations nearly \$700,000 above those of the last administration.

In the next article I will attempt to analyze the appropriations. The legislature is not necessarily to be condemned because it made larger appropriations than were ever made by any previous legislature in the history of the state. Appropriations that are necessary should be made, but any administration is to be severely criticised that obtains office under false pretenses.

THE RECLAMATION SERVICE.

I am in receipt of several letters and several copies of "The Hammer," a paper published at Morrill, Neb., by H. A. Mark, in which there are a good many rather severe criticisms of the manner in which the reclamation service is being conducted. It is claimed

that settlers have been charged more than it was represented to them would be charged and that the manner of distribution of water has been unfair and inefficient.

If these charges are true, then it is time a thorough investigation was made and the system changed. This reclamation matter is tremendously important. There is no reason why it should not be a success. If there is graft or inefficiency I most sincerely hope that the grafters and inefficient will be weeded out.

Kansas is interested in irrigation. I believe it possible to inaugurate a system by which the surface waters can be saved—that is, a very considerable per cent of them, and distributed at times when they are most needed and in that way general farming made a success in parts of Kansas where it is not a success now.

I think, also, that there are a good number of places where irrigation by pumping can be made a success. The people of western Kansas, however, have not the means to build the necessary reservoirs to catch and hold the surface waters nor to inaugurate a general system of pumping plants. Hence we want a part of the reclamation fund gathered up by the government to be expended in western Kansas.

As I have said, there is no reason why the reclamation service cannot be made a success. Even admitting that the criticisms that have been sent me are well founded I am still of the opinion that it has been of vast benefit. What I want is not to abandon the idea of governmental reclamation, but to stop any abuses that may and probably do exist.

AS TO SMALL FARMS.

J. P. Anderson, who is a very intelligent farmer, as most farmers of Danish origin are, writes from Agenda concerning the problem of farming, as to whether the farm should be large or small. He says: "C. C. Swisher and the editor of the Mail and Breeze are both right and both wrong, in my opinion. I have weathered on the Kansas prairies for 40 years, landed here at the age of maturity without a dollar, having served previously five years' apprenticeship in Denmark blacksmith shops.

"I think I see that a farmer of average ability should have no less than 160 acres and if there is much waste land on the quarter he should have more, for several reasons. On an 80 acres he has to have nearly as much in the way of buildings, nearly as many horses and nearly as much in the way of farm utensils as he would need on 160. He often needs a hand, but can't afford to keep one. He would like to keep more cows, but the horses he has to keep eat nearly all he raises. In this, like everything else, we can strike a happy medium. I think from 160 to 320 acres is about the right size for farms in this country.

"Plow engines are coming into use, but as long as we have to cultivate our corn we must try to do our own plowing also with them. When they bring out an engine that will pull from two to four cultivators and successfully cultivate corn, or pull two or three 14-inch plows at a good depth, then we may do with fewer horses and have more milk cows and have remunerative employment for more people and fewer horses."

There is considerable force in what Mr. Anderson says concerning the equipment that is necessary on any farm, no matter how small. It has seemed to me that farmers might enter into a co-operative arrangement by which the plowing and harvesting of the crops might be done with improved machinery at a less cost than it can be done by each farmer for himself. This would relieve the small farmer from keeping a large amount of farm machinery or a large number of horses. In other words, it would enable him to devote more of his ground to intensive farming.

In every line of business one of the problems is how to reduce the overhead charges. The overhead charges in the case of a small farmer include the cost of farm machinery and the horses necessary to pull the same.

HOW JONAS LIFTED THE MORTGAGE.

I presume the following story, sent in by J. L. Simpson, of Bala, Kan., will be regarded by some as a purely fanciful sketch. Possibly Jonas had better luck than many young farmers who work just as hard, because I realize that there are many things that may happen to make farming unprofitable that no farmer can see or avoid, but while that is true I know from both observation and experience that knowledge, education and brains do count on the farm as much as in any other business, and I think for more. However, here is Mr. Simpson's story:

The famous head of a great eastern university delivered the commencement address on the day that Jonas Good received his diploma from the Kansas State Agricultural college. Ordinarily, Jonas would have been delighted with the brilliant academic utterances of this polished gentleman. But now he was anxious to get home.

When Jonas started to work his way through the great agricultural school his aims had been high; perhaps he would make a great career, and have his name borne upon the name of shouting multitudes. However, as time passed, his idea of things in general gradually changed. He had come under the influence of some broad-minded men at the college, and was now a champion of the basic soundness and wisdom of a career on the farm. He mused on these changes in attitude as the train sped him on his way to the old home in Jefferson county, Kansas.

His father met him at the station in the old dismantled top buggy that had seen many years' ser-

vice. Hiram Good was a farmer of the old school, weather-beaten and despondent looking.

"Well, boy," said the old man wearily, "you find us all in mourning. The old cow got mired in the pond some time last night, and when I found her she was gone up."

"Did you skin her?" asked Jonas.

"Didn't want to bother skinnin' her," replied his father.

"Father," said Jonas suddenly, "just how much of a mortgage is there on the farm?"

The old man studied a moment.

"The mortgage and what interest is due on it comes to \$2,635. Then there's a store bill of something like a hundred."

Jonas mused a minute, then said, "Father, we can pay that mortgage, and do it quick, if we go about it right. And we MUST do it. Mother's getting too old to have a mortgage hanging over the home."

The old man sighed and looked away.

The Good farm consisted of 160 acres of land, consisting of plow land, meadow and pasture. A creek running across a corner supplied living water for the farm. About 90 acres were in cultivation. The plow land had deteriorated much in fertility for lack of rotation and applied fertilizer. In places it was washed badly. However, it compared favorably with all but a few of the neighboring farms.

Hiram Good did not believe in "this scientific foolishness." He farmed on a straight grain basis, taking toll of his soil year after year without returning anything to it. The yield of grain grew smaller year by year, but he laid it to the drouthy summers. He was selling his soil at so much a ton.

Jonas Good received his diploma in June, and by the first of July he was at his "reclamation project." His father reluctantly let him have full swing, muttering meanwhile prophecies of disastrous failure.

"Our problem is simple," said Jonas to his father, "but there will be lots of hard work connected with solving it; we must feed the soil in order that the soil may feed us. We must keep livestock enough to consume and convert into fertilizer all the grain and forage raised on the farm; and by keeping a good grade of stock we will obtain the greatest returns in flesh and quality for the forage consumed. And last but not least, we must do a lot of hard work. Nothing in this world that is worth while can be obtained without hard work."

Jonas had some difficulty to obtain all he needed without capital; but his reputation for sincerity and honesty tided him over this crisis. He sold some of the nondescript horses on the place, and bought three Percheron mares; the colts from these were no more trouble nor expense to raise than scrub colts; they were worth twice as much.

He bought a bunch of thoroughbred Holstein cows and converted the meadow into pasture. Instead of attempting to make butter from the cream, he used a separator. The cream brought more than the butter would have done, and there was less work connected with it.

When it came to selecting seed of all kinds for planting, he realized the practical benefits of his college work. He observed the haphazard method in which his neighbors selected their seed corn, and marveled that they could expect a good stand or a bountiful yield.

Jonas combined scientific methods, common sense and hard work. He planted his crops at the right time and in the right way. He cultivated them faithfully and intelligently, and the results at harvest time justified his faith and his works.

He planted the wornout portions of the farm to legumes, trying several varieties of cowpeas the first year. When he laid the corn by he planted the entire area to Whippoorwill cowpeas, sowing them broadcast over the field before cultivating.

His greatest triumph, however, was the silo he built, with the advice and assistance of an expert from the agricultural college. The silo preserves all the juices and richness of the green forage, and is the greatest milk-producer. The cream check for a single month was greater than a year's net profit under the old system of farming.

Results, and results only, count. And Jonas got results that brought the smile of pride to the face of old Hiram Good. Jonas paid off the mortgage in installments of \$500. It was three years before the last dollar had been paid, and the old homestead was once more wholly their own. There were still a few outstanding debts, but men were now more than pleased to accommodate Hiram Good & Son in money matters.

The farm was well stocked with blooded horses and cattle; the soil was approaching its original fertility. It was a pleasant day in early June, four years after Jonas's graduation, when he spoke to his father about a cottage he intended to build on the other 80. He was a little red and excited as he broached the subject.

"Can she cook?" asked the old man with a grin.

"She sure can," replied Jonas.

AN OLD TIME READER IS DISSATISFIED.

Editor Mail and Breeze—I have been a reader of the Mail and Breeze for a number of years and always read Passing Comment. I have a fascination for your comments and the letters that come to you. There was a time when you taught good doctrine, but that time is past. I don't take any stock in any of your doctrine you write from week to week and most of the letters you print show how little the writers know. For instance, the letters from Ingle and Rork in a recent issue. Most of the letters printed remind me of the Populist organs in the 90s.

Some one always has a grouch. Let him fill up on prunes and green persimmons and he goes to hunting for cheap money to borrow. Now I know how the banks get money from the government and so do you. We had to know to meet the arguments of the Pops 20 years ago. What has got the matter with you? Are you getting old and in your dotage or are you going crazy?

As for me, I am a stand-pat Republican and expect to remain one. I have been a Republican all my life. I believe in Republican doctrine and you very well know what that is. I am against these new doctrines taught by Democrats, Progressives, Mugwumps, Socialists and what nots.

Holington, Kan. H. P. MOSER.

If it is any satisfaction to my old friend to stand pat, to turn his face to the past and his back to the future, to declare himself opposed to anything new just because it is new, why God bless him, I have no objection. I might say however, that about the surest indication of age and approaching senility is the refusal to progress, the insistence on standing pat, and refusing to take interest in any new ideas.

The old man in his dotage dwells in the past. New things fret and displease him. He thinks in reminiscence. He sits and muses and sleeps. His

dim and rheumy eyes do not distinguish clearly the things of the present but nature kindly recompenses him by letting him study the pictures that hang in the chambers of memory.

It seems a little sad, H. P., old boy, but evidently from your letter you are growing old and childish. What time you have left on earth, enjoy in the way that suits you best. Be a stand pater if you like. Also write a letter occasionally slamming it into the editor of the moral and agricultural guide if you wish. It may help you to pass away more pleasantly the evening of life and I don't mind it a particle.

MR. LICKTEIG WRITES.

Editor Mail and Breeze—I saw my letter published in the Mail and Breeze—March 8, which I wrote you two months ago. You state that I was in error in most of my statistics taken from government reports of December 1, 1912, and you give statistics for February 1, 1913.

I will admit that your figures are right, but you gave the price of the crops that were raised in 1910 and 1911 instead of 1911 and 1912. The crops of 1912 could not be sold or marketed at that time, as they were not raised yet. You say the prices of different products were higher in every instance on February, 1912, which is right, but that was the short crop of 1911. Any thinking farmer will also see it that way.

I did not say that the problem lies in raising less, as I think every farmer should make it his duty to raise all he can, but he should not put all his thinking on how to raise a big crop and dump it on the market. He should study how to improve the market system. If the farmer should raise 2 bushels of grain for nearly the price he should get for 1, then I think the railroad and commission men should also handle the 2 bushels for the price of 1.

I think if the farmers would organize they could control the market. They would know what they would get for their grain when they sow it and what they would get for their hogs before they fatten them as well as the merchants or other business men know when they buy their goods what they will sell them for and what they must sell them for in order to get paid for their time and interest on the capital they have invested in their business.

Richmond, Kan. HERMAN LICKTEIG.

Apparently I did not make myself clear. It was not my intention to say that Mr. Lickteig had misquoted statistics and do not think the editorial in question will bear that construction. What I did mean to do was to disprove the theory that the farmer gets more, as a rule, or nearly as much, for a short crop as for a large one.

It is true enough that if there is a short crop of any farm product all over the world, the tendency will be to a considerable rise in the price of that product. It does not follow, however, that short crops in the United States of any particular product mean high prices, or that big crops mean small prices.

This can be demonstrated by the government statistics for the past 20 years or for any other period of time. Take winter wheat, for example, because only winter wheat is raised in Kansas to amount to anything. In 1890 the number of bushels raised in the United States was in round numbers 255,400,000 and the farm value of the crop was \$223,362,000. The next year was a great wheat year and the farmers of the United States raised 405,116,000 bushels of winter wheat. The farm value of that crop was \$356,415,000. While the amount of the crop increased only a little more than 52 per cent the value of it increased more than 59 per cent.

In 1892 the winter wheat crop was fair, but it was 46 million bushels less than in 1891. The farm value of that crop, however, was 122 million dollars less than the farm value of the big crop of 1891. While the amount of the crop declined less than 12 per cent, the value declined more than 33 per cent.

The largest crop of winter wheat grown in the United States during the past 20 years, with the exception of 1906, was in 1901, when the total number of bushels reported was 458,835,000. The farm value of that crop was \$303,227,000. The next year the crop was 411,789,000 bushels and the farm value of it was \$266,727,000. While the amount of the crop was only a little more than 10 per cent less than the crop of 1901, the value of it was more than 12 per cent less.

It is true enough that you can pick out years during these two decades when a short crop brought more money than a larger crop brought in another year, but this is not the rule and the reason for it is this: The price of wheat is affected by the crop in the United States, but it is not determined by it. So it happens that sometimes there is a big crop in this country when there is a shortage in other wheat-growing countries, and then the price is high. Sometimes there is a short crop in this country and a big crop in other wheat-raising countries, and then the farmer in the United States receives less per bushel for his small crop than he did for his big crop. An examination of the statistics will show that what is true of the wheat crop is true of other crops.

Mr. Lickteig in his letter published in the issue of February 8, 1913, makes this positive statement: "I would like to show that the farmer gets less for a bumper crop than he does for a small one." In that statement Mr. Lickteig is certainly mistaken. It is true that he might be able to pick out a particular year in which a small crop of some farm product

brought more money than a bigger crop of the same product brought in some other year, but the general statement is incorrect, as the statistics clearly show.

I might, for example, cite the big wheat crop of 1901 and compare it with the much smaller crop of 1904, which, on account of the extraordinary price of wheat that year in the world's markets brought more money than the larger crop of 1901, but that would no more prove that the smaller the crop the more money received per bushel or in the aggregate, than to cite the big crop of 1909, which brought more per bushel than the smaller crop of 1910, would prove that the bigger the crop the bigger the price. Neither statement would be correct. As I have said, big crops in this country do not necessarily mean small prices to the farmer and neither do small crops necessarily mean high prices.

What I do say is that Mr. Lickteig is mistaken when he makes the unqualified statement that a bumper crop brings less money to the farmer than a small crop. It does not, as a rule, although there may be exceptional years when it does.

As I have said before on the co-operative theory I am with Mr. Lickteig. The farmers of Kansas or even of the United States cannot control the markets of the world, but they could do this: They could, by co-operation, hold their crops and put them on the markets as the demand justified. This would prevent a congested market and consequent low prices at certain seasons, while the prices at other seasons go beyond reason.

FAVORS A RECORDING TAX.

Editor Mail and Breeze—In the issue of Mail and Breeze of March 1, you have an article, "Recording Tax on Mortgages." There is evidently something the matter with Kansas. The railroads seem to have their attorneys on hand for protection when the legislature meets. The bankers do the same thing in a different way and all the other interests of any magnitude are on hand in some way for protection when the legislature meets. But the poor devil who undertakes to buy a home on the installment plan is robbed without much consideration and a man who has some money on deposit in a bank to pay current expenses is required to pay taxes on it, although he may owe twice the amount of the money he has on deposit. Moneys and credits are assessed at full face value, while other property, in fact, is assessed at from one-half to two-thirds of its cash value.

There is something the matter with Kansas. This tax system is educating the people of Kansas to be a pack of liars. Now you need not worry about the recording tax proposition becoming a law, because the bankers are against it and the railroads are against it in its present shape, but who is looking after the interests of the poor devils who pay double taxes?

The figures you make are evidently wrong in regard to the tax recording proposition. Suppose the recording tax was one-half of 1 per cent, which is about the average levy on all property in the country districts. Then the recording tax would bring about the same amount of money as the present direct tax. Then you add to that the amount of money lent in this state by eastern parties and it leads me to think you are wrong.

If the fellows in the western counties have no competition, as you say, and the present rates are limited only by the elastic conscience of the ordinary money lender, I cannot see that the situation would be changed much by this recording tax law in the western counties.

The eastern people who lend money here should pay something for the privilege. We keep up the courts for the collection of their money. The present law drives nearly all the mortgagees out of the state and the recording tax law evidently would bring money lenders into the state, where they could look after their own loans, and it would cut out the perjury and lying that the present law cultivates.

Great Bend, Kan. J. R. HAYS.

If I believed that the enactment of the registration of mortgages bill would have resulted in cheaper money for the borrowers, I certainly would have favored it.

Mr. Hays says that the bankers were against such a law. I could not say as to all the bankers, but I do know that the only persons who ever argued with me in favor of such a law were bankers. Of the two gentlemen who took the most prominent part in formulating the bill, one was a very prominent banker and the other a director in at least one bank and a lender of his own private funds. The bill did not propose a tax of one-half of 1 per cent, but just half of that amount.

The average rate of taxation in Kansas, according to the last report of the tax commission, is 9 mills on the dollar instead of 5, as Mr. Hays estimates. Under the present law last year 65 million dollars' worth of mortgages were listed for taxation. The owners of these mortgages paid taxes to the amount of about \$600,000. The tax commission estimates that even with a registry fee of 50 cents a hundred, the amount of taxes derived from mortgages would be only about 300 million dollars. Bankers and private citizens lending their own money in Kansas were in favor of the registration law because it would reduce their taxes.

Where a registration fee law has been tried in other states the effect has been to raise the rates of interest to the borrower. I think that it would have that effect in Kansas. If the holders of mortgages under the operation of such a law should pay 300 million dollars less taxes than they do at present, somebody else would have to make up the difference, and I think it would fall largely on the men who borrowed the money.

A law of this sort would, in my opinion, afford no relief to borrowers. If the government of the United States would, as it should, establish a system by which money could be lent to farmers and others at a nominal rate of interest, not more than 3 per cent per annum, that would afford a permanent and substantial relief.

There have been too many pardons, paroles and special favors for the rich and influential lawbreaker. Let's treat all alike.

—ARTHUR CAPPER.

SUCCESS WITH EVERGREENS IS NOT DIFFICULT

THE handling and planting of evergreens is not a difficult matter if a few points are closely observed. It is necessary to fully appreciate they are trees that suffer on the slightest exposure of their roots to the air and that the roots must be protected from such exposure.

Another point to bear in mind is that the evergreens, regardless of their size, are in full foliage at the time they are set and should be protected to some extent against the winds and heat of the sun until their root systems can be re-established and furnish food for the support of the tree. Aside from these two points, the trees are handled in exactly the same manner as the broadleaved trees.



C. A. Scott.

How can the trees be handled without exposing their roots? This is not a difficult matter. The nurseryman who is growing and selling evergreens knows fully as well as any one that he must protect the roots from exposure and this is done by puddling them as soon as the trees are taken from the ground. This is accomplished by dipping the roots in a bucket or tub of clay and water mixed to the consistency of thick cream. When the roots are withdrawn from a bucket of such a mixture, there is enough of the puddle adhering to them to make a protective covering and on drying slightly, this sets and protects the roots completely.

When evergreens are packed by the nurseryman for shipment, the roots are further protected by being wrapped either in moss or partly decayed leaves or straw, which is sufficiently moist to prevent the roots from becoming dry. If properly crated or wrapped in a bale, the air is practically excluded from the mass of roots and packing, and the trees can safely be kept in this condition for 10 days or two weeks, if kept out of the wind and sun.

When the trees leave the nursery, the nurseryman is no longer responsible for their safety except to the extent that he is held responsible for their being properly and securely packed. Evergreens should always be shipped by express to avoid delay in transit. While in transit, the transportation company is responsible for properly handling and protecting them from undue exposure. Upon reaching their destination, the purchaser should make it a point to see the trees do not lie around the express office longer than is absolutely necessary. In taking them home, he should be careful to shade and protect them from the wind in case it is a drying day, and they should be stored either in a cellar or some other cool place out of the sun and wind until a favorable day for planting. But under no circumstances should the bale or box be opened and the roots exposed until the trees are to be planted and then a bucket of puddle should be at hand and the roots be set at once in the puddle and carried to the planting site in this condition.

The hole should be dug at the time the tree is to be set, so as not to expose the soil in the hole or that thrown out to unnecessary drying. The hole should be made large enough to receive the roots in their natural position. An inch or 2 of loose soil should be left in the bottom of the hole and fresh moist soil filled in about the roots. After the roots are thoroughly covered, the soil should be tramped firmly down upon them, so as to exclude the air and bring the fresh soil and the roots in immediate contact. After being tramped in this way, 2 or 3 inches of loose soil should form the surface mulch.

Immediately after the tree is set, two boards or shingles of sufficient length to shade and protect the newly planted tree should be driven into the ground. These should be to the south and southwest side of the tree, and should be allowed to remain in this location for at least a month or six weeks until the tree is fully established in its new site and is able to withstand the direct exposure of the sun and wind.

If the soil is in anything like a reasonably good condition for tree planting, there is no need of watering

**If a Few Points Are Observed In Planting
or Transplanting the Trees Will Grow**

BY CHARLES A. SCOTT

State Forester, Manhattan, Kansas

Written For Farmers Mail and Breeze

the tree at the time it is set. Usually watering at such a time is often very injurious instead of being helpful. Nor is it desirable to water the tree later in the season unless there is danger that it will suffer from drouthy conditions. But the ground about the tree should be kept in a loose condition by spading and hoeing to maintain a soil mulch and prevent the ground from baking or from growing up to weeds.

Instructions similar to these for handling and planting the trees were sent out with our shipments of Red cedars from this station last spring.



Two bales of Red cedars packed for shipment by express. Packed in this way the trees will not suffer from exposure for a week or 10 days if kept out of the sun and wind.



Transplanting large evergreens during the winter at Kansas Agricultural College. The frozen balls of earth protect the roots from exposure. Fully a ton of earth is being moved with each tree and will be transplanted with it.

In October, 1912, report cards were addressed to the buyers to determine what per cent of the trees lived. Fully 90 per cent replied. These replies show that 70 per cent of the cedars set out last spring were then in a living, thrifty condition. Forty-two per cent reported 90 per cent or more of their trees in a thrifty condition and 15 individual customers



An evergreen tree which has been "puddled" and is ready to pack for shipment or to be planted. Notice the clay adhering to the roots.

reported 100 per cent of their trees living. Although 1912 was not what could be considered a favorable season, I doubt very much if this record can be duplicated.

For extensive planting evergreen trees ranging from 10 to 18 inches in height are the most desirable for two reasons: First, they are cheaper than the larger trees and, second, they can be planted at much less expense. The proper time for planting trees of this size is early in the spring, the exact time will vary more or less with the season, but evergreens, like broadleaved trees should be planted before the growth starts. This will be some time between March 25 and April 15 or 15, in this state.

For ornamental planting, trees of larger size may be used and the size will be determined entirely by the amount the planter is willing to spend for a tree. Trees more than 3 feet in height can be safely transplanted only when a ball of earth may be moved with the tree. This makes the planting operation expensive, especially if the trees are to be shipped. The freight charges are then a considerable item. During the winter the horticultural department of Kansas Agricultural college has transplanted a number of evergreens, some fully 4 inches in diameter and 20 feet in height. In transplanting these trees, a ball of earth fully 3½ feet in diameter and 2½ feet in depth, weighing fully a ton was moved with each tree. This character of planting must be done when the ground is frozen, so the soil will not break away from the roots. The holes in which these trees were planted were dug some weeks beforehand when the ground was not frozen, and the soil thrown out was protected from freezing that it might be in condition to fill in about the tree when it was set. Transplanting trees of this size with so great a weight of earth on their roots is not an easy matter. They are difficult to handle and it is often difficult to succeed in getting the trees set straight. Larger trees may be handled similarly with derricks and the necessary horsepower to move them. The only factor limiting the transplanting of any tree, whether conifer or broadleaved, is the necessary equipment and the expense of the operation.

Studebaker

How Studebaker Automobiles are Made The Final Heart-to-Heart Story.

THROUGH four full page articles which have previously appeared in this paper we have been describing the manufacture of Studebaker automobiles.

From the raw steel we have advanced, step by step, along that wonderful process which builds a Studebaker car. We have told the story in a simple, plain way because it is too big for any other kind of description.

Number of Parts in a Car

Consider for a minute how wonderful an automobile is. Beyond its speed and power, which are familiar to all, there are interesting points seldom recognized. In an average car there are about 1,800 groups of parts, or separate assemblies. There are perhaps 3,000 different parts and, if you count duplicates, some 6,000 separate parts in a finished car. To build this marvelously efficient machine, approximately 50,000 distinct operations are necessary in order that every part shall be fit for its purpose. With such a conception of what an automobile is, it is easier to understand the immense advantage of Studebaker factories, the largest and best automobile plants in the world. When you buy a Studebaker car, you buy not only a high grade car but one which is built with extraordinary efficiency and skill.

The Steel Stamping Mill

A characteristic feature of Studebaker methods is our steel stamping mill. Here are stamped from cold steel plates the hoods, fenders, dust pans, clutch spiders, running board braces, and other light strong steel parts in Studebaker cars.

The Studebaker Corporation is the only automobile manufacturer that owns and operates its own steel stamping plant. The initial expense was high but the results are profitable because our output is large and the use of strong steel stampings is highly advantageous.

The complete equipment of our stamping mill makes it possible for us not only to put the highest grade stampings into our cars, but by the use of special dies we are enabled to make distinctive and attractive designs. The crown shaped fenders on the Studebaker "35" and Studebaker "SIX" are examples. These fenders, up to the present time a feature of foreign cars only, are today being used on Studebaker cars, and one high-priced car, alone in the American field. Not a rivet or heading shows along the entire length of these fenders, and the ornamental crown design serves a useful purpose in converging mud thrown against it by the wheels, and serving to prevent

the mud from being splashed against the side of the car.

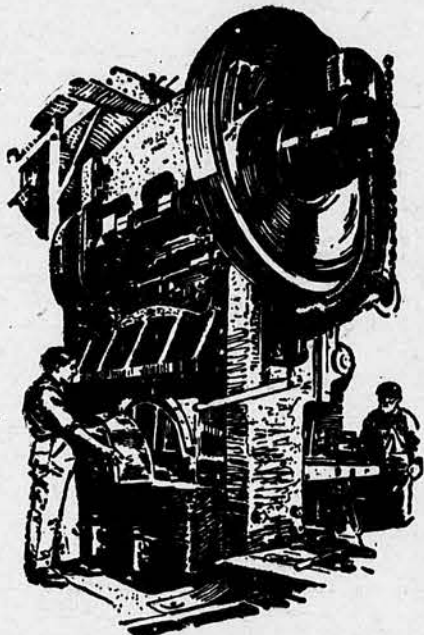
Enameling

Not only do we stamp our own fenders from the sheet steel but the glossy black enamel is baked on them in our own huge ovens. The vibration of many thousands of miles travel will not check or chip off this enamelled surface.

It is in such methods as these that the quality of a Studebaker car is unqualifiedly assured, while at the same time costs are brought low.

Studebaker Inspectors

Every buyer of a Studebaker car has his direct representative at the factory. There are 200 of these representatives, whom we call inspectors, and



This gigantic steel stamping machine makes it possible to equip Studebaker cars with beautiful fenders.

it is their duty to see that Studebaker cars are in perfect order before they are shipped. Not a car leaves the factory before one of these men has supplemented all the previous inspections, by a final examination to which the inspector must sign his name. These final inspectors, your representatives, are far more critical than you yourself would be, because they are expert automobile men. Their responsibility is to represent you.

A Summary

Let us now summarize the main points of this big, true story of Studebaker manufacture.

The Raw Material

All the iron and steel which enters Studebaker plants is made to our own specifications and thoroughly tested in

our laboratories before we use it. These laboratories are wonderfully exhaustive and complete. No university possesses more efficient equipment.

Studebaker Shops

Raw material enters Studebaker manufacture through four main opening channels.

1. The Forge Shop, with 40 hammers, each of which weighs upwards of a ton.
2. The Foundry, where molten iron is cast in exact moulds.
3. The Steel Stamping Mill, which presses cold sheet steel into useful forms.
4. The Heat Treating Rooms where 40 cavernous ovens bake and temper every vital steel part as a housewife bakes her bread.

Beyond these are myriads of machines, each for its special purpose, and many accurate within 1-1000th of an inch. We build also our own bodies and tops complete.

Expert Workmen

Ten thousand trained workmen build Studebaker cars. They are each skilled in special tasks.

Engineers

Back of the factories are a staff of engineers who are constantly at work testing out new methods and insuring the full value of Studebaker cars. They prescribe wide margins of safety in the specifications of every part.

Purchasing Agents

Through its immense buying power The Studebaker organization purchases material at rock bottom cost. Where a small manufacturer buys in the thousands we buy in the millions. All this saving is represented in the price of Studebaker cars.

And now after we have referred to material, plants and workmen, there are



The scleroscope test, where the hardness of metal is perfectly measured—it is one of the many tests that Studebaker parts must measure up to.

three salient facts we hope will linger in your memory.

First—Manufacture

Studebaker quantity manufacture makes it possible to manufacture a bet-

ter car for less money than can possibly be done in any other way. Studebaker cars are built complete in the largest and best factories in the industry. They are wonderfully good cars at unequalled prices.

Second—Service

Studebaker service is generous and exceedingly effective. In 30 branches all over the United States and with hundreds of Studebaker dealers, repairs parts stations are constantly maintained for the convenience of owners. The original Studebaker guarantee is liberally interpreted and every attention is given Studebaker owners by our dealers. If in time a repair part should be necessary it can always, no matter how old the car, be quickly obtained at a most moderate cost. A Studebaker car could be purchased by parts and assembled at only the price of the car plus a small percentage for extra expense in handling. In other words, when you buy a Studebaker you are sure of long-continued service and good treatment.

Third—Reputation

Back of every Studebaker car, explaining and warranting its quality, stands the name Studebaker. It represents a reputation won over 60 years of successful business and fair dealing. Such a reputation we guard and uphold as a most priceless possession. Today that name is stronger than ever, and the man who buys a Studebaker buys sure satisfaction.

In this series of advertisements we have taken you into our confidence. We have talked with you as with old friends. We have a tremendously successful business, but no secrets. If any question should arise in your mind concerning the merit of Studebaker cars, write to us. You will have a full and frank reply.

Most of all we hope that we have gained your confidence. It is confidence and mutual trust, that really make the world go "round." It is because Studebaker cars are the product of the honest and efficient industry of thousands of skilled men, that we have come to you and told you frankly how Studebaker cars are built.

As long as you are interested in automobiles we want you to be interested in Studebaker cars, and we in turn will reward that interest by continuing to build high grade automobiles at prices no reasonable man can ignore.

As you think about this automobile question remember two things:

1. Studebaker cars are built in the largest and best factories in the industry.
2. The man who deals with Studebaker never makes a mistake.

These two axioms sum up all the automobile buying wisdom any one need to know. Remember them today, next summer, next year and whenever the automobile question comes to your mind.

Send for the Proof Book

If you have not already secured our Proof Book, send for it now. It describes more fully than we have been able to do in these articles, how Studebaker automobiles are made, and gives much information valuable to those who are interested in automobiles. We are glad to send it without charge. It is completely illustrated and you will find it well worth your while.

Send the coupon now.

THREE GREAT CARS

Studebaker "25" Touring Car, \$885
5 passenger—Gas primer

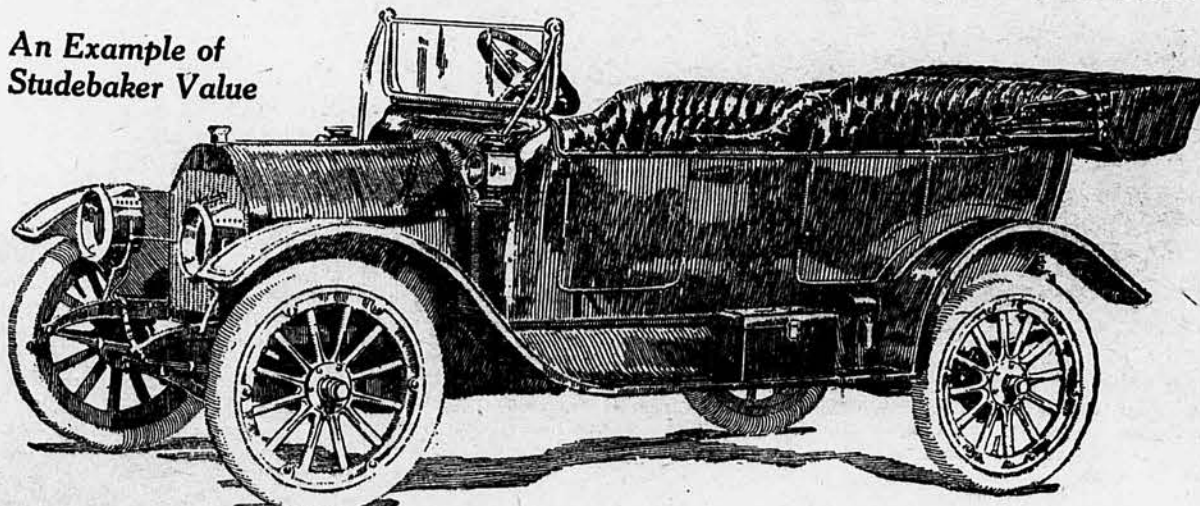
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6 passenger—Electric lights, electric self-starter

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An Example of
Studebaker Value

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.

On the driest ground there have been some oats sown this week but most of the fields are still too wet to work. While no great amount of moisture has fallen, each day has brought a spit of rain which keeps the fields just a little too wet.

Today, March 13, is a typical early spring day. That is, the wind is blowing like sixty from the north and while it is not freezing it is cold enough to chill a man who had to ride. We had intended to plant potatoes today but the rain yesterday has stopped the job for a day or so.

A car of Red Texas oats has been shipped into Gridley for seed. They come direct from Texas and cost 55 cents per bushel while home-grown seed from oats imported from Texas last spring, sells for 45 cents. We are going to give the Texas kind a trial this year on another farm in a field detached from any other.

It seems strange that if we want to get early corn we have to send North for the seed but if early oats is wanted the seed has to come from the South. Oats brought from the extreme North will take two or three weeks longer to ripen here than oats brought from Texas. We tested that a few years ago.

That year we sowed most of one field to Red Texas oats but on one end sowed some seed we got from Iowa. The Texas oats were cut and in the stack a week before we cut the others. The Iowa oats made taller straw but by reason of being later were hit slightly by rust. The Texas oats made 10 bushels more per acre and had it not been a favorable oat season would have done even better than that.

A Jolly Good Day

Follows

A Good Breakfast

Try a dish of

Post Toasties

tomorrow morning.

These sweet, thin bits made from Indian Corn are cooked, toasted and sealed in tight packages without the touch of human hand.

They reach you fresh and crisp—ready to eat from the package by adding cream or milk and a sprinkling of sugar, if desired.

Toasties are a jolly good dish—

**Nourishing
Satisfying
Delicious**

A new fuel for gasoline engines is on the market, called "motor spirit." It is made from part of the crude oil that now goes into a by-product. From the average crude oil refiners now get about 20 per cent of gasoline and the new product comes from the next 20 per cent which now goes into fuel oil. Hence there will now be 40 per cent available for gas engine use instead of the present 20 per cent. This will be a wonderful help as an addition of 100 per cent to the engine supply will be bound to help hold down the prices.

The new product has a rank smell, is rather yellow in color and is hardly suitable for automobiles, but gives fine results in motor trucks and gas engines. It is asserted that tests have shown 25 per cent more power from motor spirit than from common gasoline. The smell will be likely to keep it from being generally used in motor cars unless some way of deodorizing it may be found. It is a little harder to start the engine with this new product in cold weather than with common gasoline.

A reader asks what is an equitable division of livestock kept on shares where the landlord furnishes foundation stock, feed, pasture and buildings, the tenant furnishing nothing but his work. We have never heard of just such a deal as this, the usual way being for one party to furnish the stock and the other the feed and work. When this is the case it is usual for each to share half the increase. If the foundation stock is mature cows the man who furnishes them gets their equivalent back when the stock is divided in addition to half the increase. We have also known of cases where calves were furnished and at the end of a 5-year period all the stock was divided equally.

However, in the case mentioned by this reader the owner of the cattle furnishes the cattle and everything else but the labor in caring for them. We can hardly more than guess what would be right. Just guessing at it we should say the landlord should have two-thirds of the increase and the tenant one-third, the foundation stock to be held as the property of the landlord if mature and ready to bring increase. Does any reader know of an instance where stock was taken in these terms? If so what was the division?

While heifer calves of good breeding would at this time cost much money, there is no question but that the man who bought them and put them out for a 5-year period for half the proceeds would make big money. At any rate, we have known where such a deal was made and the one who furnished the calves made 300 per cent in 5 years or 60 per cent a year. In this deal one calf worth \$10—the price at that time—matured into a good cow and had two calves all of which when division was made brought \$90. This left \$45 for each. Thus the \$10 investment amounted to \$45 at the end of 5 years even in those days of cheap cattle. So it is plain that if a man can place stock on shares with a good man he can afford to make liberal terms, especially when the stock is helping to keep up the fertility of the farm of the man who furnishes the cattle.

We have just read an article by J. H. Prichard, of Woodson county, in which he gives his experience in keeping up the soil on his farm together with his observations of the different soils to be found in that part of Woodson county. We live about 25 miles almost directly north of Mr. Prichard and while there is some difference in the soil even in that distance, in general both soil and climate are about the same. We can fully agree with him that of all upland soil here limestone is the best. On this soil clover grows well and alfalfa likewise

while it will stand drouth better than either the soil underlaid with hardpan or the sandstone soil. Southeastern Kansas has a large area of smooth, finely lying prairie underlaid with what some call hardpan and some gumbo but which Mr. Walker, our drainage engineer, told us was not exactly either. At any rate, it is hard and gummy enough to suit anyone.

It would have been better if most of this soil had never been plowed up. It raises fine grass and of late years has been producing good revenue both from hay and pasture. It will produce good crops when the season is right but owing to the compact subsoil it does not drain well and does not stand dry weather extra well, either. It is very seldom any of this land is plowed up now as a farm having a large proportion of good prairie meadow or pasture sells for more money than one nearly all plowed land. On such soil it is a good plan to plow under everything that will lighten or help the drainage of the soil.

Mr. Prichard also speaks of clover not helping the land so much as it does in some other localities. The help that clover gives the soil is in almost every case proportioned to the growth it makes. If the growth is scanty and poor it will help the soil but little even if it is all turned under. Mr. Prichard speaks of getting a stand of clover on one strip of a hardpan field when other strips in the same field failed. This particular strip had been fall plowed and been lightly covered with manure and here and there the clover caught. If there is one thing we have found out about clover in this or any other section it is the fact that Red clover has a great affinity for manure, especially stable manure. If we wanted to make sure of getting a stand of clover we should top dress the land with horse manure before sowing and work manure and clover seed into the soil together.

This year we are going to sow a field to clover and timothy, most of which was in corn last year but of which 3 acres was in sowed Kafir. This field was all fall plowed and before we sow we shall top dress the strip that was in sowed Kafir with horse manure. In fact, we have it half top dressed now and will finish the rest as soon as we can get on the field. Whether it is the fertility that starts the clover or whether it is the ferment that sweetens the soil that helps most, we do not know; possibly both help. But we do know that on our upland applying manure is the surest way to success in getting clover to grow. We would far rather wait two weeks for time to put on the manure than to sow at once and gain that much time, when time counts. For it is also a fact that if one wants to succeed with clover he must sow early. We consider the last of March a good time to sow. The safest way on upland is to sow alone and to keep the weeds and grass clipped down. Crabgrass and foxtail will not kill out clover so badly as they will alfalfa but it is best to sow on a clean field, if possible. Weeds do no hurt either as bad as the grass does.

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"Q-D"—means quick detachable. Also quick attachable. You take the share off by removing one nut. Put it back and fasten it by replacing and tightening nut.

And this one nut is in a handy place—just glance at above picture. Could anything be easier? It "stays put" too. Locking lug on landside holds share perfectly tight and rigid.

Our book, mailed free, tells all about this new improvement in plows. Write for free "Q-D" Book No. QD12

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To thresh your grain this year. You will save more of your grain than you ever saved before.

Jos. H. Roberts and five other farmers of Hughesville, Mo., say: "It saved so much of the grain that would have been wasted by any other machine that we practically got our threshing done for nothing."

It will do the same by you. We can send you hundreds of testimonials like above from all parts of the country. Insist upon a RED RIVER SPECIAL this year and

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The RED RIVER SPECIAL is the only Thresher which beats the grain out of the straw like you would do with a pitchfork.

The Big Cylinder, "the Man Behind the Gun," the patented Grate and Check Plate and the Shakers which beat the grain out are found only in the RED RIVER SPECIAL. All other kinds expect the grain to drop out.

Hire a Red River Special this year and beat it out. It will save your thresh bill. Write for proof.

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uses Crude Oil, the cheapest and best Remedy. The hogs do the work. No waste of oil. Works in hot or cold weather. Endorsed by leading hog breeders. Every hog guaranteed. It's the cheapest hog insurance you can get. Get our trial offer.

**O. H. Conn
Sales Co.**

Peoria, Illinois

Early Pasture For Hogs

Rape Excellent If You Haven't Alfalfa

BY G. C. WHEELER, Kansas Agricultural College

[Written for Farmers Mail and Breeze.]

THE hog is naturally a grazer. Hogs which have had succulent food almost constantly are the ones producing pork for the least money. They are almost invariably the most thrifty and healthy and have made their gains on a smaller amount of grain than the hog which has been confined to dry-lot feeding a considerable part of its life.



G. C. Wheeler.

Farmers with alfalfa and plenty of hog fences have admirable conditions for producing pork at lower cost. Many farmers, however, are still without alfalfa and must depend on other crops for hog pasture. Even farmers with alfalfa can often make profitable use of annual forage crops or pasturing their hogs.

An Acre Pastures 15 or 20 Hogs.

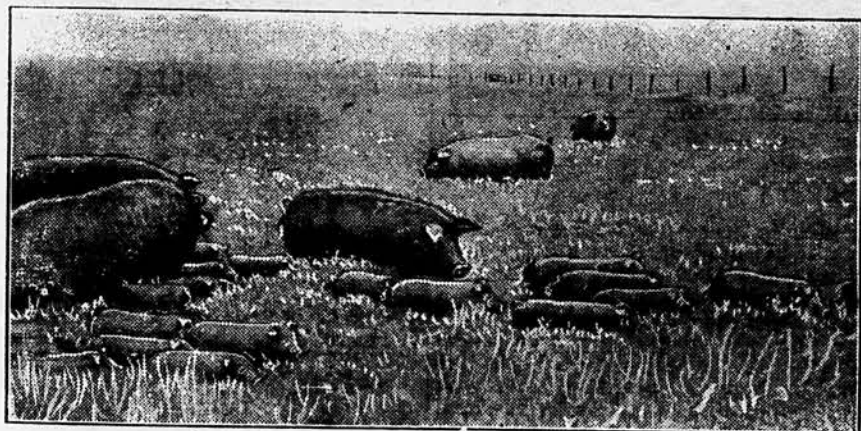
Rape is one of the most satisfactory early pastures for hogs and should be used far more than it is. At the Kansas Experiment station rape has returned a value of \$12 per acre, in combination with proper grain rations. It is very low in crude fiber which makes it especially adapted to the digestive system of the hog. Careful analyses made at the Ohio station show that in proportion to the total dry matter in the plant it contains a higher per cent of protein than clover, soybean hay or even alfalfa. An acre of rape will pasture 15 to 20 hogs for two or three months. It is a cool weather plant

Rape pasture will be ready for the hogs in six to eight weeks from the time of seeding. Large hogs should not be turned in until the rape is about 12 to 14 inches tall; young pigs might be allowed on it earlier. If allowed to get too large and rank before the hogs are turned in they are apt to refuse to eat it. There have been some complaints made that hogs would not eat rape. In all our tests at the Experiment station nothing of the kind has ever been observed; all our hogs eating the rape greedily at the first opportunity. There have also been some complaints made that a peculiar skin disease is produced by the rape plant. This difficulty has been observed to occur with other rank forage plants as well as with rape. It probably is due to the pigs running in the rape, or other plant, when it is covered with a heavy dew and having the sun come out afterwards, resulting in a scalding of the skin. We have had practically no trouble of this kind at the Experiment station.

When Sown in Mixtures.

Rape and oats are often used together for an early pasture for hogs.

At the Missouri Experiment station it has given one of the most highly productive spring pastures ever used. They may be seeded at the same time or the rape may be broadcasted after the oats are up and harrowed lightly to cover. At the Michigan Experiment station splendid results were secured by sowing broadcast rape and millet, mixed equal parts, using a pint of each per acre. A mixture of corn, oats, and Canadian field peas in equal parts was



The pastured hog is more thrifty and makes growth and gain on less grain than the dry-lot hog. The man who can put his hogs on alfalfa or rape pasture can produce pork at low cost.

belonging to the cabbage family, and may be seeded early in the spring. It produces a rank growth of large succulent leaves, growing 20 to 30 inches in height. It does best on rich heavily manured soils and can be used to great advantage in feed lots which have been used through the winter season.

How Rape is Seeded.

The ground should be carefully plowed and well pulverized. The seed may be drilled in rows 20 to 30 inches apart at the rate of 2 or 3 pounds of seed per acre, or sown broadcast at the rate of 4 to 6 pounds of seed per acre. Grown in rows it may be given some cultivation, which is an advantage in foul land and in grazing it down the hogs will not trample and destroy as much as where sown broadcast. In drilling it a garden drill may be used, or an ordinary wheat drill, using the grass seed attachment. It may be sown from early spring on into early summer, but far better results will come from the early seeding. It is a good plan to make successional seeding so as to be able to move the hogs from one lot to another. If it is not pastured too severely it will grow up again after the hogs have been removed for a time. The hogs should be removed while a few leaves still remain on each plant. If drilled in rows it may be cultivated when the hogs are removed and much better growth will result than if it is left alone. As high as three good crops may be secured from the same plants in this manner.

then drilled in at the usual depth; this operation covering the rape and millet already sown.

The Dwarf Essex variety is the only variety widely grown in this country. The seeds are small, very much resembling a large black mustard seed. It can be obtained of almost any seedsman. It is a good plan to secure samples and make germination tests before final purchase of the seed. It should not cost to exceed 10 cents per pound.

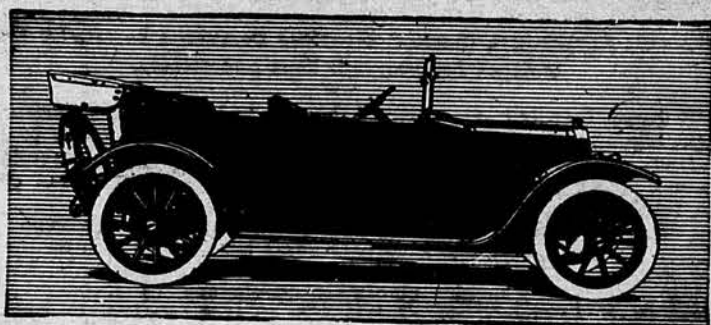
Puts a Ban on Nasty Post Cards

Mr. Editor—I herewith inclose you copy of bill that was recently passed in the state legislature. It is my idea to nationalize this bill; in other words, have it passed by every state legislature in the country. Any publicity you may give the bill will be greatly appreciated.

W. R. Childs.

Kansas City, Kan., March 6, 1913.

The bill was recently introduced in the Kansas legislature by Senator Milton of Wyandotte county. It provides a fine of from \$10 to \$100, or imprisonment for one year in the county jail, or both such fine and imprisonment; for any person, firm, or corporation, convicted of printing, lettering, or exposing indecent or immorally suggestive post cards for sale, or giving them away. The measure also explicitly bans indecent or immoral pictures on such cards. The law goes into effect next June, upon its publication in the statute book.



The Case "30"

The Car for All Roads



Few men can afford a motor car as a mere luxury. But many cars are built for looks alone. Little thought of actual requirements of cars for use on country roads is put into their making. For seventy years we have studied the problems of machinery for the country highways. In the Case Thirty we build a motor car that is all that can be asked—in looks, as well as quality. We put into this car hundreds of dollars that do not show on the surface. We put them there for a reason. They give this car out-lasting qualities which few other cars possess. It conquers mud and rocky roads where other cars might flounder. It

stands the wear and tear of hard, continued usage. Its superlative quality in its second and third and fourth years becomes more conspicuous than in its first.

Values That Are Hidden

Every ounce of material in the Case Thirty is the best that money buys. We could make large savings on the cost of our motors by cheapening materials. We could save on our clutches, transmissions, drive shafts, wheels and other vital parts. We could cut our assembling cost in two.

Whose Word?

Take our word for these things for one year. Then, for years afterwards, congratulate yourself that you did. Remember, you must take someone's word for the values in the car you buy. Whose word is safer to accept than ours? We have maintained an un-

broken pledge to three generations of your family! Consider these vital hidden values when you gaze admiringly on the Case Thirty. Judge it, by face values, in comparison with other cars. Note that no other car has more pleasing lines, more refinement. But recall that in the Case Thirty you are buying more than really shows.

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5-Passenger Touring Car, \$1,500

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How to Buy a Baler

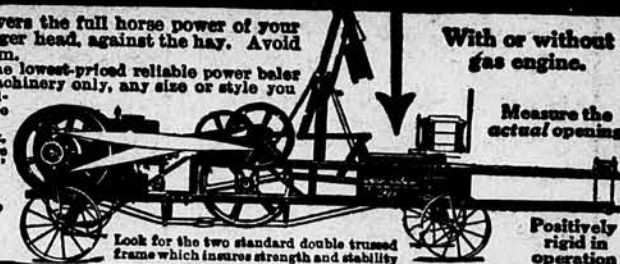
Be positive it has demonstrated that it can do what you are going to ask your press to do. See that the block dropper is placed out of your way. Make an honest measurement of the feed hole at the narrowest place. Get the press with the lowest feed hole—human muscle is worth saving.

Look up its pedigree. Let the other fellow spend his money on new and untried kinds; the wise man sticks to the old reliable baler that has given satisfaction for over 25 years.

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The "Ann Arbor" delivers the full horse power of your engine right at the plunger head, against the hay. Avoid power-wasting mechanism. The "Ann Arbor 20" is the lowest-priced reliable power baler built. We make baling machinery only, any size or style you need, and are the recognized leaders in this field. Our guarantee behind every baler we make. Send for new big Baler Book. No. 1 and let us tell you where you can see the "Ann Arbor." Write today.

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With or without gas engine.

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Look for the two standard double trussed frame which insures strength and stability

Positively rigid in operation

Kansas Fourth in Horses

One of the First Six Percheron States

BY WAYNE DINSMORE, Chicago, Secretary Percheron Society of America.
Written for Farmers Mail and Breeze.

DRRAFT horse breeding is centered in the big six corn belt states, Ohio, Indiana, Illinois, Iowa, Nebraska and Kansas. These six states are likewise the leading Percheron states, contributing more than 72 per cent of the Percherons bred in America.



Wayne Dinsmore.

Kansas stands fourth in total number and value of horses. She also occupies fourth place in the breeding of purebred Percherons. The last census credits the state with 1,147,050 head of horses in the state, valued at \$112,758,108. Thirty-five per cent of

the farms in the state are producing horses. There is probably no other state where so large a proportion of draft horses are of Percheron origin.

Figures recently compiled by the Percheron Society of America, show that 10,758 American bred Percheron horses were recorded between August 1, 1910 and May 1, 1912. Of these 627 were bred in Kansas and the state contributed 5.8 per cent of all recorded in the time mentioned.

The accompanying map shows the distribution of Percherons in the state by counties. Also the percentage which each county contributed to the total for the state and the number of members of the Percheron Society in each.

Butler, Harvey, Mitchell, Barton, Cowley, Sumner and Phillips are the first seven counties, ranking in the order named. Together they contributed 38.4 per cent of all the Percheron horses bred in the state. It will be noticed that the distribution throughout the state is very considerable. Percherons are being bred in 72 out of 105 counties, and no one county has any marked advantage over others, although the first two counties, Butler and Harvey, together contributed a little more than 18 per cent of those bred in the state.

Mitchell county enjoys the honor of having the greatest number of breeders. This county also has the distinction of having the strongest county breeder's association in Kansas. This association was formed for mutual benefit in the production of better livestock, including

THE KNOW HOW

To Feed Children and Get Good Results.

There are more nervous persons made so by undigested food lying in the stomach than the average individual would suppose.

If food remains undigested in the stomach, it begins to ferment, set up gas and a large portion is thus converted into poison.

That's why imperfectly digested food may, and often does, cause irritation of the nerves and stupor of the mind—brain and nerves are really poisoned.

"My daughter had complained for some time of a distressed feeling in the stomach, after eating, which set me thinking that her diet was not right," writes an anxious and intelligent mother.

"She had been fond of cereals, but had never tried Grape-Nuts. From reading the account of this predigested food, it seemed reasonable to try Grape-Nuts for her case.

"The results were really wonderful. The little brain that seemed at times unable to do its work, took on new life and vigor. Every morning, now, before going to school, she eats the crisp little morsels and is now completely and entirely well, she seems to have a new lease on life—no more distress in the stomach, nor headache, but sound and well every way." Name given by Postum Co., Battle Creek, Mich. Read the book, "The Road to Wellville," in pkgs.

"There's a Reason."

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

horses, and has been in existence three years. It has done much to encourage farmers throughout the county to purchase excellent individuals of pure breeding.

The breeding of Percheron horses in Kansas has been carried on for about 30 years. The first authentic importations of Percherons to Kansas were made prior to 1876 by M. J. Parrott, of Leavenworth, who imported two head. Henry Avery, of Wakefield, Kan., purchased Zama 1368, in 1883, and William Dengel, of Salina, Kan., took Vidou 953, to the state in 1881. There were other scattering purchases within the next few years. J. W. & J. C. Robison, of Towanda, Kan., took a number of Percherons to the state in 1885. This stud has been maintained from that time down to the present date and is now one of the noted breeding establishments of the United States.

The popularity of the Percheron in Kansas is attested by the fact that out of 2,387, the purebred draft stallions standing for service in the state in 1911, 1,733 or 72 per cent were Percherons. This appears to be a higher proportion of Percherons than is found in any other state. This, in itself, is a favorable

prevail, and the aim should be to benefit all draft horse breeders, whether they are handling purebred horses or not. The farmer who is raising grade draft horses is encouraged to produce better ones if a good market is afforded for those he has produced. Buyers for city markets will readily go to any locality to purchase sound, well proportioned geldings that will weigh 1,650 pounds or over at 4 years of age. Buyers for the Southern states, and for the West and Northwest, will take all the surplus mares of this kind at good prices.

Colt shows can be started in various parts of the county. This encourages small breeders to take better care of their young stock, a most important point. In the judgment of a large proportion of the most experienced horsemen in America, 90 per cent of our American Percheron breeders do not feed their colts, yearlings, and 2-year olds liberally enough. Purebred draft colts should have a creep where they can secure good oats, or a mixture of corn, bran, and oats, whenever they want it. Scrub stallions are automatically eliminated by these shows. The inferiority of their produce, manifest when brought into deadly parallel with the product of first-class purebred sires, brings an abrupt end to their career. These and other practical measures of improvement can be wrought out by a strong county horse breeders' association. Annual dues of \$5 or \$10 from each member will permit the local association to compile and publish a booklet giving a list of all purebred draft horse



Group of Kansas bred Percherons on J. C. Robison's Whitewater Falls Stock Farm, Towanda, Butler County, Kansas, the largest importing and breeding farm for Percherons in the United States.

point, for it indicates that the draft horse breeders of Kansas have selected one breed and intend to concentrate their efforts toward producing better horses of that breed than can be produced anywhere else. These figures were supplied by C. W. McCampbell of the Kansas state stallion board.

Comparison of the total number of horses with the total number of purebred draft stallions, reveals there is but one purebred draft stallion per 480 horses. This means only about four sires per 2,000 horses. Experienced horsemen know this is not half as many as are needed to permit every farmer to have ready access to a good sire. The need for additional purebred horses of the right kind is manifest. The opportunity is before Kansas Percheron breeders.

Strong county breeders' organizations are to be recommended. They will stimulate the production of more and better draft horses. The first step is to establish a good market for the horses produced in that particular locality, by advertising and drawing buyers to the county. A broad-minded policy must

breeders in the county, with a statement as to number of purebred horses owned by each, and what surplus there is available for sale. It will also provide for a small, clean-cut advertisement in one or two of the leading agricultural papers covering the territory in which sales are sought. Inquiries resulting from such advertising can be answered by the local secretary, briefly but clearly, by means of printed information which he should have available to mail out to such prospects. By united work along these lines small breeders can secure, at slight cost, publicity of the right kind which will give greatly increased opportunities for selling surplus colts at good prices.

Many good judges consider that the combination of corn, oats, alfalfa, abundant water and rolling land in Kansas, gives the state an advantage over any other district of the same size in the United States in the breeding of Percherons. The agricultural college has given special attention to the breed and the breeders are fortunate in having the protection of the soundest stallion law possessed by any state.

CHEYENNE	RAWLINS	DECATUR	NORTHON	PHILLIPS	SMITH	JEWELL	REPUBLIC	WASHINGTON	MARSHALL	NEMAH	BROWN	PONTIAC
1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
SHERMAN	THOMAS	SHERIDAN	GRAHAM	ROOKS	OSBORNE	MITCHELL	CLOUD	CLAY	OTTAWA	GEARY	WAGONER	JOHNSON
1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
WALLACE	LOGAN	GOVE	TREGO	ELLIS	RUSSELL	ELLSWORTH	SALINE	WILSON	MORRIS	OSAGE	FRANKLIN	MIAMI
1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
GREELEY	WICHITA	SCOTT	LANE	NESS	RUSH	BARTON	RICHTER	HERNIMAN	MARION	CLAY	COFFEY	ANDERSON
1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
HAMILTON	KEARNEY	FINNEY	NORDEMAN	PAWNEE	STAFFORD	RENO	HARVEY	BUTLER	GREENWOOD	WOODSON	ALLEN	BOURN
1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
STANTON	GRANT	HASKELL	FORD	HOWA	PRATT	KINGMAN	SEMPER	COWLEY	CHITTENHAM	MONTGOMERY	LABETTE	CHESTER
1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
MORTON	STEVENS	SEWARD	MEADE	CLARK	CONAN	BARBER	HARPER	SUMNER	COWLEY	CHITTENHAM	MONTGOMERY	LABETTE
1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%

Map shows the distribution of Percherons in Kansas based on registration of American bred Percherons between August 1, 1910, and May 1, 1912. The ringed figures show the number bred in each county and recorded during that time. The percentages give the relation this bears to the total. "M" indicates members of the Percheron society.



He Feels Better With a Hair Cut
Just the same as you do. How would you like to still wear your winter coat when spring work begins? If you want your horse to keep well, last longer and give you better service in every way take off the heavy coat that holds the wet sweat and dirt. Don't buy any thing but

The Stewart Ball Bearing Clipping Machine

the only machine that will clip horses, cows and mules without any change whatever. Has all the hard cut steel gears, enclosed safe from dust and dirt and running in oil. Has 6 feet of new style, light, easy running flexible shaft and the Stewart single tension clipping head, highest grade. Clips easier and faster than any other and lasts longer. Every machine fully guaranteed. Get one from your dealer or send \$2 to us and we will ship C. O. D. for balance. **\$7.50**

GET ALL HIS WOOL

You lose \$1 on every six sheep by shearing the old way. You know how many you've got. Figure out how much more money for you if you get more and longer, better quality of wool, that will bring a higher price. Use a Stewart No. 9 Ball Bearing Shearing Machine

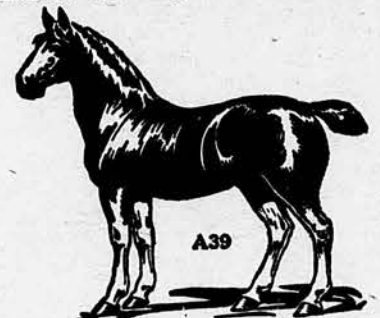
It's the most perfect hand operated shearing machine ever devised. Has ball bearings in every part where friction or wear occurs. Has a ball bearing shearing head of the latest improved Stewart pattern. Comes complete, including 4 combs and 4 cutters of the celebrated Stewart quality at... **PRICE \$11.50**

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Makes Lamé Horses Sound

Cures All Kinds of Lameness, Quickly, Positively, Permanently.

Mack's \$1,000 Spavin Remedy is absolutely guaranteed to cure Bone or Bog Spavin, Ringbone, Thoroughpin, Curb, Capped Hock, Shoe Boli, Sprung Knee, Lacerated and Ruptured Tendons, Sweeny and all other forms of lameness affecting a horse, or your



money back in a jiffy. It's a powerful remedy that goes right to the bottom of the trouble and cures the lameness in just a few days, and the animal may be worked as usual. Contains nothing that can injure the horse and heals without leaving scar, blemish or loss of hair.

Ask your druggist for Mack's \$1,000 Spavin Remedy—if he cannot supply you, write direct to us. Ask for our valuable Free Book, "Horse Sense" No. 8. If you are not positive as to the cause of your horse's lameness, mark on horse above where lameness occurs and tell us how it affects his gait, also tell age of animal. Our graduate veterinarian will diagnose the trouble and tell you how to cure it. This service is free.

McKallor Drug Co., Binghamton, N. Y.

A \$55 Saddle for \$38 Cash

Our latest 1910 Saddle, 16-inch swell front, 28-inch wool lined skirt, 3-inch stirrup leather, 3/4 rig, made of best oak leather, guaranteed for ten years; beef hide covered solid steel fork.



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SADDLE & HARNESS CO.
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Send in your name for our 1913 catalogue, now ready.

The Celebrated Mueller Saddle.

The Hog Raiser's Chance Here

BY C. F. DIETRICH,
Richmond, Franklin County, Kansas.

[Written for Farmers Mail and Breeze.]

HOGS are the poor man's money-makers. It requires less money to handle hogs than it does cattle or horses. The very fact that cattle and beef are high, and that it takes a long time to stock up on cattle, is the strong point in favor of raising more hogs.



C. F. Dietrich.

Breed your sows for March and April pigs, even if it takes a little more care when farrowing and then you can raise September litters for fall and keep the old sow working all the time.

With a few good brood sows bred to farrow in spring you can put off your crop by Christmas if you take good care of them and you can have a 250-pound hog if you will do your part.

Fencing Is Pretty Cheap.

If you cannot have a permanent pasture I find rape will produce more pasture on a small amount of ground than anything I have ever tried. This you can sow in April and in 30 days, with favorable weather, can turn the hogs on to it for pasture.

We must make a large per cent of our growth upon pasture. It does not require much money to fence in a good hog pasture with woven wire. Do not make the mistake so many do of fencing in too small a pasture. Put a little more money in the fence and double the size of the pasture so your hogs will not eat the grass too closely. There will be no waste from this, for by using a larger pasture you can mow it for hay. When you do this mow only half of it the first time. Then let it get a nice start and go in and mow the remainder. In this way you will have fresh pasture all the time, whereas if you mow all at the same time you may be caught with dry weather and have no pasture.

Advantage of Larger Pasture.

The great advantage of the larger pasture is that your hogs cover the larger run and do not kill out your clover, alfalfa or whatever pasture you have. Many farmers have discovered this from sad experience. Last year I pastured eight to nine cows upon 24 acres of Red clover and then took 16 big loads of clover hay off this piece by cutting part at a time. And the cows had good pasturing all the time. You also get the manure from the hogs scattered over a larger surface and this is a big item. Most farmers now have more or less tame grass upon their farms. While alfalfa, clover of all kinds, timothy and bluegrass are all fair pasture, alfalfa and clover are my choice.

Most of the rented farms have some provision for pasture. In case a man rents a farm for three or for five years he can better afford to fence in some hog pasture at his own expense than to do without and not raise hogs. It can easily be taken up when he has to move.

How I Build My Hog Fences.

My way of building hog fences is to set corner posts securely. Use a large post. Put it 3 or 4 feet in the ground and tamp well. Set your next post just far enough away, to allow whatever length of brace you use, to reach from near the top of corner post, to within 6 or 8 inches of the ground on second post. Cut a recess in each post of 1 inch and fit brace tight, using one or two good nails in each end so the hogs

cannot rub the brace out of position. Stretch a No. 9 smooth wire from bottom of corner post to near top of brace post and back again so you can twist this double wire and draw it tight. This will make you a secure corner provided you have set these two posts well. Do this for each corner and when you stretch your woven wire draw it tight. It is not necessary to use posts closer than 1 rod to 20 feet, but set them straight in line. In stapling your wire

secure bottom and top wire well and very little other stapling need be done, the wire will remain in place and is much easier to remove if you should wish to do this. I use 26-inch American with 6-inch stay wires, but there are other good makes. Always have some kind of shed for shade unless there is shade. A good straw or hay shed is really cooler than boards.

Potash Now From Seaweed

Germany controls the available commercial potash of the world. The reasonable uncertainty of that supply, caused by the recent flooding and complete ruin of one of her great mines, beyond any possible recovery, has caused the rest of the world a particular unrest. All vegetable life first and all animal life secondarily depends upon potassium and its combinations for existence. It is a necessary element of the soil.

Seaweed or kelp has long been known to contain potassium and other valuable products. The Pacific kelps have 3½ times the quantity of these valuable products contained in other kelps. The discovery by United States engin-

ers that the annual crop of kelp deposited on the shore of the Pacific Ocean between San Diego and San Francisco contained 240 million dollars worth of potassium salts was conclusive along that line. Immediately certain qualified chemical and mechanical engineers commenced working out processes that would harvest, dry, distill and transform this vast wealth into commercial form. This has taken years of time and labor, with the expenditure of large amounts of money, but the results are more than satisfactory and the expense will be repaid a thousand fold.

No Trash in the Mail and Breeze.

Mr. Editor—I like the Mail and Breeze as a farm paper. It is full of good advice and there is no trash in it. We eastern farmers cannot follow it in all things on account of the difference in soil conditions, etc.

R. 4, Kenton, O. L. E. Reid.

If you must use manure in the newly planted orchard, better put it on top of the ground—never in the hole with the tree.

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Goodyear tires sell all the way from \$15.55 to \$104.95, according to size and type.

The most popular type—34 x 4—costs from \$32.95 to \$37.90, differing with type and treads.

And our average profit last year on all these tires was exactly \$2.90 per tire.

Why We Tell You

This is something unusual—this stating of profit.

But the worth of a tire depends, in large part, to what the maker puts into it.

Tires may be made at half our cost, yet the cost per mile is greater.

Tires may be skimmed to increase factory profit, but the skimping shows up in your tire bills.

Your object and ours is the lowest cost per mile. And the best way to show you that you get it in Goodyears is to tell you our profit, perhaps.

Judge for yourself if any tire in the world can offer you greater value.

Note the Result

That's how we give you the uttermost mileage for as little as lesser tires cost.

That's how, at our price, you get tires that can't rim cut—tires 10 per cent over the rated size.

These two features alone, on legions of cars, have cut tire bills right in two.

And that is how Goodyears have come to outsell every other tire in existence.

Legions of these cars have odometers. Tire mileage has been closely watched. On countless cars, rival tires have been compared with ours.

Two million Goodyears have been tested in these ways—in ways that can't mislead.

And this is the result:

Goodyear tires rule Tiredom. No other tire compares with them in sales.

As men know them better sales double over and over. Last year's sale exceeded our previous 12 years put together.

Low Making Cost

We are by long odds the world's largest tire builders. Our sales this year will doubtless reach \$40,000,000. Yet our capital is only \$10,000,000, and we have no bonded debt.

That is why a small profit per tire pays us fair returns.

Our mammoth output and modern methods bring making cost down to the minimum. Thus most of our cost goes into materials—into things that count.

2,000,000 Sold

Men have put into use, on hundreds of thousands of tires, two million Goodyear tires.

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With or Without Non-Skid Treads

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Branches in 103 Principal Cities More Service Stations Than Any Other Tire
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Main Canadian Office, Toronto, Ont.—Canadian Factory, Bowmanville, Ont.



It requires less money to handle hogs than horses or cattle. The fact that beef is high and that it takes a long time to stock up on cattle is a strong point in favor of raising more hogs.

What Farmers Are Thinking

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

If Mr. Capper Would Run Again.

Mr. Editor—I think the Mail and Breeze is a fine paper and that Mr. Capper should have had the governorship. He has done enough for the people of Kansas to deserve it. If he will try it again next campaign he will get two more votes from my family than he got last fall.

Missler, Kan. M. D. Patton.

The Handicap of Short Time Loans.

Mr. Editor—I have read with interest J. H. Miller's contribution on cheaper farm loans. Under the present system the poor man who is handicapped by a loan at short time with the prevailing high rate of interest is not only getting poorer but the farm on which he lives is also less productive. Finally, in 9 cases out of 10, he falls a victim to some non-resident land shark who is willing to trade his doubtful equity in lands, goods, or city property in some other locality. The results are what could be expected. Meanwhile we find the old farm going from bad to worse. Rented from year to year for every dollar that it will bring—all going away and nothing returning. Instead of a home it becomes a disgrace to the community—a blot on the landscape. Something must be done to stop this ever increasing destruction of the American home. That something to my mind would be a rate of interest that instead of driving the honest man of small means from the farm, would give to every man of energy and purpose a chance to make good.

Hartford, Kan. F. H. Grippin.

One View of Cheaper Farm Loans.

Mr. Editor—I am much interested in your efforts to secure better interest rates for the farmers. I surely have no desire to throw cold water on a scheme to help any class of people who are in need of help, least of all the farmers. It seems to me, however, if the rate of interest to men buying land was cut in two that it would be followed by a doubling of land prices since the product of the land would pay interest on twice the investment. This would certainly be fine for the land speculators. The man owning and working his own farm would be unaffected. He cares not whether he gets 8 per cent interest on \$10,000 worth of land or 4 per cent on a \$20,000 investment. The tenant would not be injured or helped for he merely pays what the use of the land is worth to him. The one who would get it in the neck would be the man who wished to buy a farm for his own use. His interest would still be the same in amount. It would make no difference to him whether he paid 8 per cent on \$5,000 or 4 per cent on \$10,000 but it would take him twice as long to pay the principal. Also he would still be paying interest on \$5,000 when, under present conditions he would be free from debt. If he wished to buy for cash he would need to have twice as much money. Also I think any attempt to better conditions of farmers alone would result in more farmers and reduced prices, due to more competition. The way to help one is to help all.

Archie Hodgson.
Manhattan, Kan.

Need All the Money for Irrigation.

Mr. Editor—I own a farm in Graham county but I do not approve of the plan embodied in the irrigation legislation to burden the people with the expense of an absolutely unnecessary experiment farm in each county for the purpose of demonstrating what kinds of crops will grow there. It has been demonstrated many times that, if the people had the water when they needed it the soil will grow any crop. The farmers should not per-

mit such an imposition upon their appropriation fund. The proper way to use this fund would be to put a prospecting outfit in each county and use the money entirely for prospecting purposes. Whenever a farmer has determined to irrigate his farm let him call upon the county outfit to bore down to the sheet water, or deeper if necessary, and pump the water for two or three days until farmer and operator are satisfied they have an inexhaustible supply of water. Then the farmer will feel justified in putting in an irrigating plant. If the proposition is to make a revolving fund out of the appropriation I would suggest the state the farmer's note for five years without interest, or even with say 4 per cent for the expenses incurred in prospecting for water on his farm. The average cost of prospecting for every farmer who is ready to irrigate would not exceed \$200 and this help would be of great assistance and encouragement to him. It would not even be necessary for the state to put its money into the prospecting tools as there are plenty of men who would be willing to embark in the business at 50 cents per foot and make good money at the business. I trust the farmers of western Kansas will guard this fund and utilize it for their own benefit. Let the state furnish the water and the farmer will do the demonstrating himself.

Streator, Ill. W. E. Conness.

"School Wagons" Work Well.

Mr. Editor—Mr. Church's criticism of the consolidated school is based upon local failures rather than upon any failure in the consolidation theory. Of course no progressive citizen will object to a few dollars extra school tax. The only question is, does consolidation make an educational system more efficient, and it does.

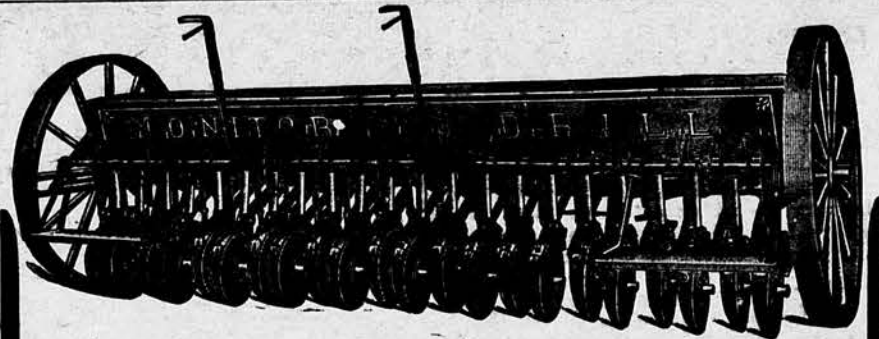
I do not understand what Mr. Church means by the "wagon station," for unless a man lives in a field away from the road, the wagon has to come to the gate for the pupils. It seems to me that those vividly portrayed pictures of little children suffering from exposure and over work are the result of poor local administration. I cannot see how a ride even of 5 or 6 miles in a safe, enclosed conveyance can be fraught with any great danger to the pupils' health. If the pupil is not comfortably conveyed to school, it is no fault of consolidation but a failure to meet the conditions of the law. It ought not to take more than an hour to make a drive of 6 miles in ordinary weather and it is unfair to pick out the bad days as an example. The average winter does not have a month of zero weather and blizzards. A child is not going to suffer physical or mental harm by riding two or three hours a day in a safe, comfortable conveyance. In fact it furnishes a pleasant and profitable diversion. Also be it here said no normal pupil in the grades need take his books home to study.

The Kipp Consolidated school has been in operation two years. Consolidation was carried by one vote at the school meeting, so you see the question was fought to a finish here. Now in the second year of the school, I do not believe there is more than one who would go back to the old plan. In fact I have not heard of a single complaint this year. Our wagon routes average about 6 miles. No pupil is on the road more than an hour and a half in ordinary weather. We have an enrollment of about 100. Three districts were united and we have three wagon routes. The school is conducted by a principal and three grade teachers. A high school including the ninth and tenth grades, and meeting the requirements of the Barnes Law, is maintained in connection with the consolidated school. The teacher of the sixth and eighth grades, assists in the high school. Another fine thing, there hasn't been a pupil tardy from a wagon this year. This one habit of regularity and promptness which the wagon system makes necessary is of inestimable value to the pupil.

If any readers of Mail and Breeze are considering consolidation let them come out to Kipp and ask the patrons whether consolidation succeeds or not. Let them come and inspect our school-room work.

A. R. Baldwin.
Principal, Kipp Consolidated School,
Kipp, Kan.

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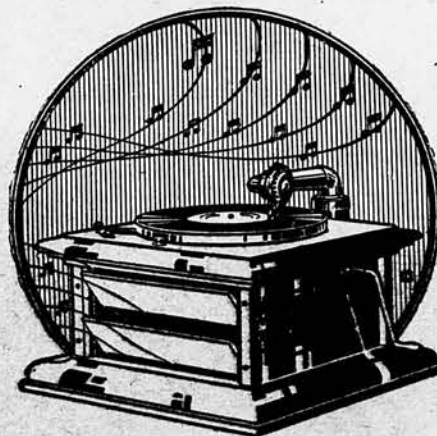
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Box 357, Tribune Bldg., New York

Southwest Kansas Thriving

Feed Plenty and Many New Settlers

BY P. E. CRABTREE, Specialist in Farm Management, K. S. A. C.
Written for Farmers Mail and Breeze.

WE HAVE just completed a tour of the extreme southwest Kansas circuit in farmers institute work, visiting the counties of Hamilton, Stanton, Morton, Stevens, Grant and Haskell. The farmers in this part of the state are having an unusual opportunity in the marketing of cattle and calves, which this year are bringing a much higher price than they were ever known to bring before. Calves coming a year old are averaging in many instances \$30, and in some counties the calves are to be taken next fall at weaning time, at a price of \$25 per head. Rough feed is very plentiful as a result of last year's crops and it even made a good seed crop in most instances. Then the weather has been so favorable that little feeding has been necessary to bring the stock through, this time. As a result the farmers have the greater part of their crop left and in fact, enough to more than run them another year if properly cared for by placing in a silo, but in the dry form it will deteriorate badly and not be of much use when next winter comes. Of course there is practically no ready sale for this roughage and even the crops of threshed milo and Kafir are selling down to 35 cents per bushel or 60 cents per hundred which offers a good opportunity for the fattening of stock if one is situated to use it to good advantage. These people have not been used to finishing their stock and do not take kindly to the study of correct animal feeding and the balancing of rations for livestock. In this respect they sustain a distinct loss.

Cheapness of Range Pasture.

However, we find a growing interest all through this part of the state in the matter of a better system of feeding and a deep interest in the silo and the possibilities which it affords. In many cases farmers are getting ready to construct silos, and by co-operation to fill them economically.

One peculiarity of the situation in southwestern Kansas is the opportunity for livestock production. The range is more plentiful now than it was a few years ago. They tell us that stock is scarce but I observe the grass is quite good. I find the rental of the pasture land is only \$10 per quarter section, which certainly makes it much cheaper than for some time. I can easily see that the wideawake livestock man who would provide himself with a couple of silos, and a good windmill for watering the stock, will be able to utilize, summer and winter, the vast areas of nutritious Buffalo grass that is plentiful in so many places. The fact is, it is much cheaper to let some one else speculate on the land and pay him \$10 per quarter section, rent, than it is to own the land. In this manner the land in southwestern Kansas can be utilized with greater returns, for effort put forth, than at any time in the past.

An Influx of New Settlers.

We find the people divided, in part of the state, in regard to the prospective railroad. They have a number of such enterprises on paper, and a considerable mileage of actual railroad is being constructed. The great majority of the "old-timers" are very thankful to have the railroad come their way, but just a small number of them declare they never have been bothered with the railroad and will now have to move on, where their cattle range will be undisturbed.

There is a very constant readjustment along the new railroad, and the Santa Fe people are now selling large quantities of land to buyers from eastern Kansas, Missouri, Illinois, Iowa and Nebraska at prices ranging from \$1,200 to \$2,500 per quarter section. In most instances these newcomers will have to acquire the knowledge necessary to adapt themselves to shortgrass conditions, but I believe they are of the right kind of stuff to become suitably adapted, and that they will become successful and wholly satisfactory citizens of southwestern Kansas.

The writer was accompanied on this institute trip by G. E. Thompson, the

Santa Fe railroad's demonstration farm agent for southwestern Kansas, and on a part of the circuit, by Miss Florence Snell of the Agricultural college. The weather was unusually favorable and no doubt resulted in keeping a few of the good farmers away from the meetings. They had previously gotten the snow fall which they were enabled to conserve by an early working of the fields. This being a railroadless section of the state largely, the people are accustomed to going long distances and many of them are supplied with automobiles which facilitated our getting from one place to another, although the distance between meetings was great. The roads were of the best except in such sections as were infested with sand dunes and in most instances we were able to go around them by using a little more mileage.

Good Turnouts at Meetings.

The aggregate attendance of the various meetings together with the number of days the institutes lasted, were:

Syracuse	2 days	1,020
Johnson	1 day	243
Richfield	2 days	237
Hugoton	1 day	415
New Ulysses	1 day	200
Santa Fe	1 day	172

In most instances we had the co-operation and the splendid help of the school, including pupils and teachers. The county officers, in almost every instance, abandoned their court house duties for the occasion and attended the institute. In Syracuse every business house in town was closed from 1 o'clock until 4 each day of the meeting. This was a big help in the splendid attendance at that place.

Waters to Chicago Conference

The First National Conference on marketing and farm credits, to be held in Chicago, April 8-10 marks the beginning of a united effort on the part of the American people to work out a more just and equitable division of profits for the producer and bring some measure of relief in the expense of living to the consumer.

All sessions of the conference are to be open to full, free and frank discussions of how to create better methods of distributing and marketing farm products. The new secretary of agriculture, David F. Houston, President Van Hise of Wisconsin University, President Waters of Kansas Agricultural college, President Mezes of Texas University, B. F. Yoakum, President of the Frisco railroad, B. F. Harris, Illinois banker-farmer, and others will present addresses, but each and every man in attendance will have a chance to have his say. So writes Charles W. Holman, secretary of the conference to Farmers Mail and Breeze.

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It Does the Work of Three Teams

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

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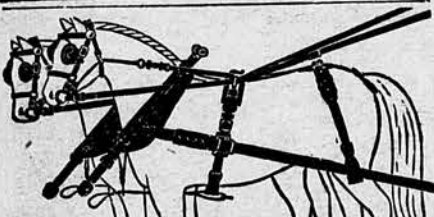
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MAIL AND BREEZE
Topeka, Kansas

CROPS and FARM WORK

March Holds Record for Winter Weather This Year but Has Proven Beneficial Rather Than Injurious—Wheat Prospects Continue Encouraging—All Farm Work Delayed by Unfavorable Weather

(Crop Reporting Service of Farmers Mail and Breeze.)

March will be remembered as the month of real winter weather this season, and plenty of it. But better so perhaps than to have had a mild month. While planting and farm work have been delayed the storms also brought the long needed moisture and what is perhaps just as beneficial, they are believed to have killed many chinch bugs and other wintering insects. Several reporters have found evidences of this. No serious damage has been done to crops through the late winter storms although wheat is reported to have suffered in some localities. In general, the crop is in fine shape and getting better every day. W. S. Wakefield, reporter for Ottawa county, Kansas, says the present condition of wheat is better than it has been for years at this season.

Oat sowing will be spread out over three months this year—February, March and April. Corn planting has begun in Oklahoma and with favorable weather will soon be under way in this state. Most gardens and potatoes are still unplanted and waiting for spring weather.

G. W. Kiblinger of Anderson county, Kansas, reports last spring's sowing of alfalfa badly killed out by the dry weather of last fall. Old fields are in good condition.

A disease of the blind staggers type that very much resembles the epidemic of last summer, is reported as killing some horses in Mitchell county, Kansas, according to Reporter J. H. DePoy.

KANSAS.

Russell County—Cold, windy weather the last eight days. Ground quite dry. Wheat has greened up some but growing slowly. Some oats sown. Wheat 75 cents, corn 55, eggs 13, butter 25.—Mrs. Fred Clausen, March 22.

Finney County—Severe wind and snow storm last week blew soil badly. Not much prospect for wheat. We need a good rain. Farm work opening up. Butter 25 to 30 cents, eggs 13.—F. S. Coen, March 13.

Stafford County—Having unusual March winds and they are damaging wheat somewhat. The crop generally looks well. Usual oat acreage being sown. All stock selling high. Cows were never higher.—S. H. Newell, March 20.

Rooks County—Fine weather continued to the 14th when we had worst snow storm of season. No snow left on bare fields. Plowing for oats and barley in progress. Seed potatoes being shipped in at 90 cents. Planting will soon begin.—C. O. Thomas, March 17.

Barton County—Recent high winds and dry weather have apparently damaged wheat. Snow was beneficial but a soaking rain is needed. Roads dry and dusty except where snow has lodged. Wheat 77 cents, corn 42.—J. A. Johnson, March 21.

Reno County—More winter weather, and it is more comfortable around the stove than in the fields. Not much oat sowing done. Some potatoes planted but will probably freeze in the ground. Wheat 80 cents, corn 46, eggs 15, butter 20.—D. Engelhart, March 22.

Douglas County—Plenty of moisture and wheat looked fine before being covered with 3-inch snow. Not much farming or oat sowing done as ground has been too wet. Stock of all kinds doing well. Hog cholera has died out.—J. S. Dillon, March 21.

Coffey County—Ground covered with snow but wheat is in good condition. Not much spring work done yet. Some early gardens and potatoes planted. Stock selling at high prices. Corn 50 cents, eggs 15, butter 20 to 25.—Mrs. A. H. Stewart, March 22.

Norton County—Big snows and cold weather lately. Wheat looking well. Oat sowing delayed. A number of farmers will irrigate small areas for potatoes, watermelons, etc. Many new families moving into the county and land agents are feeling good.—Sam Teaford, March 22.

Chautauque County—Good spring weather. Most plowing done and farmers getting ready to plant corn. Ground in fine shape to work. Gardens planted. Large acreage of oats sown. Most farmers buying grain for stock. Cattle high, horses cheap.—Mrs. Elmore Lounsbury, March 20.

Decatur County—Wheat greenening up nicely. Ground in splendid condition for spring work but not much done on account of cold, wet weather. Stock wintered in good condition. Some immigration this spring. Wheat 68 cents, corn 40, oats 45, hogs 37.50, cattle 45.—G. A. Jern, March 22.

Franklin County—Ground covered with about 2 inches of snow. No oats sown except what was put in about a month ago. Wheat in fine shape. Stock has wintered well and plenty of rough feed left. A few spring pigs have come but farmers have not had much luck saving them on account of bad weather. Corn 45 to 50 cents, butter fat 30.—H. O. Cain, March 22.

Woodson County—Fair again today after a blustery week with rain, hail, sleet and snow. Wheat, rye, and alfalfa showing up. A number of farmers have oats sown and potatoes planted. Quite an acreage of alfalfa to be put out this spring, also some timothy and clover.—E. F. Opperman, March 21.

Riley County—Bad dust storm March 19 followed by rain, hail and snow. May take a week before oats can be sown. Wheat fields look green and promising. Good many fat hogs and cattle going to market. First crop of spring pigs coming on. Corn scarce at 48 cents. Hogs 38.25.—P. O. Hawkenson, March 22.

Comanche County—A small acreage of oats being put out. Some plowing and disking being done for corn. Wheat shows about an 85 per cent prospect. Some soil drifting from recent storms. Sales numerous and everything sells high. There is a general tendency toward better farming.—S. A. DeLair, March 22.

Clark County—Weather dry and windy and wheat prospects have improved very little. Unless we have unusually heavy rains and favorable weather the crop will be a failure. Ground dried out from 3 to 4 feet deep. Some oats sown but acreage will be small. Stock came through winter in fine shape.—H. C. Jacobs, March 15.

Ottawa County—High wind and dust storm of March 18 and 19 was followed by heavy rain and snow. Plenty of moisture in ground and wheat is in better condition than for years at this season. Some farmers finished oat sowing before last snow. Acreage will be light. No peaches will bloom here this spring.—W. S. Wakefield, March 22.

Mitchell County—Weather disagreeable and the worst of the season this month. Thermometer was down to zero March 21. Don't think wheat is damaged yet. Not much oat ground ready to seed. Prospect for peaches slim but other fruit is all right. A few horses dying of blind staggers that seems to be the same disease as that of last summer.—J. H. DePoy, March 22.

Anderson County—A few farmers began sowing oats the first of the week but rain of March 19 followed by sleet and snow delayed all farm work. Some gardens made and a few potatoes planted. Wheat greenening up and old stands of alfalfa in good shape. Last spring's sowing largely killed by dry weather last fall. Eggs 14 cents, butter fat 31.—G. W. Kiblinger, March 21.

Cloud County—Ground full of moisture from rain and snow but blizzard was hard on stock. Not much oat sowing done and all farm work at a standstill now. Roads in worst shape possible. Wheat looking well. Good prospects for calves and pigs. Some corn selling to local buyers at 50 cents which seems high compared with wheat at 77. Oats 45 to 50.—W. H. Plumly, March 21.

Smith County—Wheat greenening up nicely but that on plowed ground will soon need moisture as snow has blown off every time this winter. Oats are sown and farmers are cutting stalks and disking corn land. Ground was frozen hard on top on Good Friday so no potatoes could be planted. Six degrees above zero Friday morning. Sales numerous and stock sells well.—A. J. Hammond, March 22.

OKLAHOMA.

Pawnee County—Early sown oats are up. Some farmers expecting to plant corn next week but weather still very cold. Corn 60 cents, oats 45, kafir 45, eggs 14.—V. Funkhouser, March 20.

Lincoln County—Windy weather the last week. Oats looking well. Some corn planted. Grass starting. Good prospects for fruit. Stock in good condition. Hogs 38, veal calves 45, eggs 12 cents, butter 20.—J. B. Pomeroy, March 22.

Tillman County—Nice rain March 20 put ground in fine shape for corn planting which will begin Monday. Wheat in good condition and promises a good crop. Cattle scarce and high. Poultry higher than for years.—Edward Austin, March 22.

Dewey County—Real spring is slow coming. Several good rains the last two weeks. Oat sowing finished. Acreage larger than last year. Some potatoes planted. Fruit buds slow developing and prospects fine for fruit.—Wm. Liston, March 20.

Kiowa County—Another fine rain last week and is raining again today. Good deal more alfalfa to be sown this spring. Oats coming up slowly. Peach trees ready to blossom. Hogs and cattle healthy. Hens have laid all winter.—Mrs. Alice Henderson, March 20.

Kingfisher County—Not many signs of spring. Oats coming up. Have had two winter storms with snow and frozen ground this month. Wheat shows good color and has grown some. Considerable alfalfa is heard and some farmers have contracted.—H. A. Reynolds, March 21.

Major County—Wheat in excellent condition. Top soil full of moisture but subsoil a little dry. Oat sowing and garden making in progress. Weather changeable. Peaches appear to be killed. Sales about over with. Stock in good condition. Cattle and hogs sell high, horses lower.—W. H. Rucker, March 17.

Grady County—Old style March weather. Good deal of rain and snow the first half of month followed by freezing weather. High winds the last few days have crusted surface of ground. Wheat looks good. Oats coming up but tops were nipped by frost. Corn planting has begun.—Sam C. Heffner, March 21.



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CAPPER BOYS CORN CLUB

Founded 1907



by Arthur Capper

WITH all the snow and rain we have had lately it looks as though corn would have plenty of moisture for a start at least, and a good start is half the battle. With the moisture once in the ground the thing to do is not to let it get away. If you have already plowed your corn ground, run over it with the harrow as soon as the surface is dry enough so it will break up fine. If your



Harry Nelson, a Shawnee county Capper boy, in his new dairy suit.

ground is not plowed or listed, it will pay to run over it with a disk as soon as possible, then smooth it off with a harrow. When you do plow your ground, harrow it as soon as you can so it won't dry out before you get the corn in. Of course listed ground cannot be handled that way but in this case the seed gets down into the moist earth anyway.

An Experiment to Try

How many boys know why water will not pass up through the fine soil on top as readily as if the surface is firm and hard? The Corn Club man would like to have some of the boys write him and tell him the why of it. He will publish two or three of the best letters and send the writers something for their trouble. Here is an experiment to try that will show you "how" this happens by not "why": Ask your mother to let you have two pieces of loaf sugar and a little granulated sugar. Mix some ink or other coloring matter in a little water and put some of it in a saucer. Set a loaf of sugar in the saucer and see what happens. When the colored water has soaked up to the top set the second sugar loaf on the first one and you will soon see the water going on up into that. Now put some of the granulated sugar on top of the second loaf and see if the water will soak right up through that as it did through the two pieces. Why doesn't it?

Corn Contest Rules

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

This Blank Enters You in the Contest

ARTHUR CAPPER, 800 JACKSON STREET, TOPEKA, KAN.

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

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

My name is.....

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

State.....

My age is.....

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

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

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

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

Capper Girls' Tomato Club

The tomato contest is open to any Kansas girl whether her parents take the Mail and Breeze or not. But, every member of the club should read this page of the Mail and Breeze each week to get the benefit of the instructions given. Otherwise, the girls who have the paper will have the advantage over

your letter is not delivered it will come back to you.

Edith Clements of Skedee, Okla., says she is a former Kansas girl and wants to know if she will be permitted to enter the tomato contest. Of course, only girls living in Kansas are eligible to this contest but Mr. Capper has also a similar contest for Oklahoma. Any Oklahoma girl who wishes to join the Oklahoma Tomato Club should mail her blank to the Oklahoma Farmer at Guthrie.

Hannie Rohlf of Hollenberg, Kan., is thinking of planting her tomatoes in two plots that are 16½ feet each way. She asks if this will be all right. No, this won't do at all for you would only have half the ground there is in a plot 33 feet each way, even though 16½ is a half of 33. If you must have two plots, make them 33 by 16½ feet each.

TOMATO CONTEST RULES.

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

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

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

The contest will end October 10, 1913.

A Registered Pig to the Winner

Editor Farmers Mail and Breeze:

The man who causes two stalks of corn to grow where but a single burdock grew before does a good thing. Then if he causes some boy to grow the corn he does a better thing.

I cannot commend too highly your Boys' Corn and Hog Clubs. Allow me to offer to the winner of the hog contest this year a registered Hampshire pig—boar or sow.

If your rules permit it I shall be glad to furnish some boy a pig with which to enter your present contest.

FRANK H. PARKS.

Olathe, Kan., March 13, 1913.

those who don't get it. If you don't have the paper in the family now, better speak to dad about taking it regularly. I don't believe he will refuse.

"I think this is the fairest contest in the state," writes Essie Stull, of Sylvan Grove, "and I want to join the Tomato Club and enter the contest. This is the first contest I ever entered and like all other girls, I would like to win a prize." Esther Peterson of Windom also thinks the tomato contest is the best one going. Mr. Capper and the Tomato Club man appreciate all these compliments.

Georgiana Stanley of Eudora asks if she may grow two different kinds of tomatoes. Yes indeed, grow any kind and as many varieties as you like, just so they are tomatoes.

Myrtle Corwin of Russell sent in the membership blank properly filled out and not receiving a reply, filled out and mailed another, thinking perhaps the first had not reached us. She was mistaken about our acknowledging each application for membership when the blank is properly filled out. There is not much danger your letter with the blank will not reach Topeka. If you have your name and address in the upper left hand corner of the envelope and

A blank form of report will be sent to each contestant at the end of the contest.

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

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

Capper Boys' Swine Club

Got some good news this week for the boys in the Swine Club. It came in a letter from Frank H. Parks, of Olathe, Kan., and is an offer of a registered Hampshire pig to the winner in this contest. That sounds good, doesn't it? Evidently Mr. Parks was once a boy himself. He further offers to furnish some boy a pig with which to enter the contest. The worst thing about that proposition is that the club can't take him up on it because the rules say the pig must be farrowed on the home place or land of the contestant. But the first offer goes. That means some Kansas boy is going to win \$15 in cash next September and a real, purebred Hampshire pig on top of that. That's worth working for and although every boy can't be the first prize winner let's make him know he has been in a race, whoever he happens to be. There is still time to join the club. If you haven't attended to that, clip out the blank on this page, fill it in and mail it while you think of it.

SWINE CONTEST RULES.

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

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

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

The prizes will be awarded by the regular

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

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

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YOU can clear an acre or more of stumps a day. No stumps can resist the Hercules. Doubles land value—enables you to make \$1200.00 on 40 acres the first year after stumps are out—and \$750.00 in crops every year after. Get the proof. Why not?

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20 Years to Pay

Rich Canadian land for from \$11 to \$20 per acre. You pay only one-twentieth down—balance in 19 equal annual payments. Long before your final payment comes due your farm will have paid for itself over and over. This advertisement is directed only to farmers or to men who will occupy or improve the land.

We Lend You \$2000 For Improvements

The \$2,000 loan will help you in erecting your buildings, and you are given twenty years in which to fully repay this loan. You pay only the banking interest of 6 per cent.

Advance of Live Stock on Loan Basis

The Company, in case of approved land purchaser who is in a position and has the knowledge to take care of his stock, will advance cattle, sheep and hogs up to the value of \$1,000 on loan basis, up to the date the settler gets started from the first on the right bank of mixed farming. If you do not want to wait until you can complete your own buildings and cultivate your farm, send one of our Ready-Made farms—developed by G. E. R. Agricultural Experts—with buildings complete, land cultivated and in crop and pay for it in 20 years. We give the valuable assistance of great demonstration farms—free.

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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.

Grass will soon show in the color of the butter.

The best lubricating oil is the cheapest for the separator.

Cold spring rains are worse on cows than winter storms.

A pail of scalded bran is a good feed for the cow right after calving.

For sore, cracked, or chapped teats try a few applications of carbolized vaseline.

If you can't afford to buy a purebred cow or bull, buy a calf and breed up a herd.—F. B., Tonganoxie, Kan.

Putting some lime in the wash water occasionally will keep the churn from taking on that offensive smell.

In last week's Mail and Breeze A. S. Neale of Kansas Agricultural college gave a timely warning. Milk cows are in such great demand that the odds and ends of herds in other states are being shipped in as purebreds. The man who gets hold of one of these cows is very apt to be disappointed.

Small Numbers, But Big Results.

Mr. Editor—E. E. Adkins of Mulvane, Kan., has a dairy herd that is small in numbers, but large in results. This herd consists of three grade Holstein cows. The milk is sold to the condensory at Mulvane. During last December, Mr. Adkins sold from the three cows 4,223 pounds of milk, for which he received \$82.34. The feeds used for that month cost \$29.35, leaving \$52.99 net, or \$17.66 per cow to pay for labor and care. One of these cows produced an average of 60 pounds per day during December, and her net profit over feed cost was \$25.52.

Here is a story of profitable milk production, and just what we might expect when we study the conditions. In the first place they were not dual purpose, or scrub animals, but real dairy cows, bred for just such results. Then they were fed a liberal ration. Feeding and

breeding must go hand in hand. Scrub cows are often the result of scrub feed and care. A few good cows given good treatment are always profitable, while a large herd poorly fed and cared for is always kept at a loss. Hence, keep only the best cows, and never more than you can care for properly, and dairying will become a source of profit.

A. S. Neale.

Extension Department, Kansas Agricultural College.

Working at Cross Purposes.

I have 10 grade Galloway heifers and 5 grade Shorthorn milk cows. The cows have done very well. I am now running a good purebred Galloway bull with the herd. The heifers are from grade cows of two good Galloway crosses. Would it be advisable for me to sell and get into a straight dairy line or continue with what I have now? Do you think dairying at a distance of 15 miles from market would pay as well as to continue as I have been doing, half beef and half dairy? I do not have enough range to do dairying on a large scale.—A. C. B., Meade county, Kansas.

Your question is rather difficult to answer, especially for one who does not know more about the local situation than is given in your letter. I take it that you are on a small farm and are planning to keep cows for milking purposes, to consume the products of the farm. If this is the case, I would suggest that you work into a special purpose breed of dairy cattle. You are quite a distance from the market to haul cream, but it will not take any more time to haul a larger quantity than you are hauling at the present time. You could reasonably expect a larger return from well graded cows of some dairy breed than you are getting now from your common cows.

The most practical way to build up a herd of a dairy breed is to keep the best cows that you are milking at the present time, secure a first-class bull of the breed desired, and save the heifer calves. If you should attempt to buy grades of some dairy breed you would find them very scarce.

Should you continue to milk cows, you will find the silo a good investment. You will be able to keep more cows on the small farm you now have and they will produce more milk.

O. E. Reed, Dairyman.

Kansas Agricultural college.

A Shortgrass Dairy Record.

[Prize Letter.]

Mr. Editor—I find milking cows to be the best money making scheme on the farm. In a recent issue of the Mail and Breeze a contributor said a herd of cows could not be built up that would pay both at the pail and block. Now there is many a "dual purpose" cow that is turning out more butter fat per year than he claims for his Holsteins. I have common cows that are paying me well. I have been selling butter fat from 5 cows and my cream check has been averaging \$9 per week. I am also growing a fine bunch of calves and pigs on skim milk.

These cows are getting a grain ration of bran, oilmeal, and ground milo heads, at a cost of \$1.85 per week. For roughness they have Kafir, cane and corn fodder. My cows will rustle a good deal of their own living through the year, and will stand hardships better than the highly bred dairy cows. Last year these 5 cows turned out more than \$300 worth of butter fat and one of them is a heifer with her first calf.

According to my experience these cows have proven a paying investment at the pail. Last fall a buyer paid me \$32 per head for the calves before they were a year old. This would seem to prove that they also pay at the block. Other dual purpose cows out here are doing better than mine. I like a horse that can be worked in the field and also driven on the road. I also like a cow that fills the pail and raises our beef. With the present demand for beef 30 per cent greater than the supply, there is good money in the dual-purpose cow.

I do not want to be understood as saying that the farm cow can be bred to a beef bull one generation, a dairy bull the next, and any old bull the third generation, and expect to get anything worth while either way. That kind of breeding is what has "played hob" with the feeder cattle business. Our friend said in his dairy letter that in nine years' time he had bred all the milking strain out of his Shorthorns. I don't intend to breed that way. I intend to breed the milk strain in, not out.

Charles L. Jarboe.

Quinter, Kan.

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Making the Farm Dairy Pay

RECORDS OF THESE READERS.

Mr. Editor—We read the letter of Mrs. George Bright of Offerle, Kan., and the reply of Mrs. H. O. Perry of Dodge City, in which she said she could go Mrs. Bright one better. Now I believe we can go Mrs. Perry one better. We are milking two cows—one fresh last July and the other in November. From these two cows we made 30 pounds of butter during February and half the whole milk from the cow that freshened last was given to her calf. Both cows are of Durham stock. These cows were fed night and morning on corn, cottonseed meal and bran. For roughness they had the run of stalk fields.

Mrs. J. C. Stephens.
R. 1, Payson, Okla.

Fair Returns From Eight Cows.

[Prize Letter.]

Mr. Editor—I have read several reports recently of what cows were doing for other Mail and Breeze readers and want to submit my record. I have been milking eight cows this winter that freshened in August and September last fall. They are just common cows of no particular dairy strain. In October we made 242½ pounds of butter, in November 267 pounds, December 270 pounds, January 271½ pounds, and in February 231 pounds. This is not a big record, but is good for the kind of cows we have. They were fed Kafir silage morning and night, with alfalfa hay in the forenoon and fodder in the afternoon. They had 2 quarts of bran each per day which was all the grain feed they received.

W. B. Bennet.
R. 2, Minneapolis, Kan.

A Summer Record With Durhams.

[Prize Letter.]

Mr. Editor—The record I have to submit was made last summer and it shows that there is also a little money in the summer cow, with little or no expense for feed. I have seven Durham cows that had the run of a 90-acre creek pasture of buffalo grass. The cows were fresh in March and April and for the eight months following they averaged \$50 per head for butterfat sold. Their calves are now worth \$250. My best month was July, when I sold 400 pounds of butterfat at 21 cents per pound. At the end of the month I received an additional cent per pound as dividend, making a total of \$88 for that month. This butterfat was sold to W. S. Ruff, who is the agent of the Merritt and Schweir creamery of Great Bend. I will refer any doubting Thomas to Mr. Ruff's records.

Hodgeman, Kan.

Good Income for February.

[Prize Letter.]

Mr. Editor—I am a careful reader of the dairy page and find it contains many helpful hints. I am milking only three cows—one of them fresh last July, another January 8 of this year and the third February 1. During the month of February I sold 84 pounds of butter from these three cows. Besides this we used 1 gallon of whole milk every day, and kept out 5 pounds of butter for table use. I bought these cows last fall with no recommendation for their dairy qualities. One of them is giving 7 gallons a day, and the other two give about 6 gallons together.

I have been feeding them 1 pound of grain for every 4 pounds of milk produced. This is made of equal parts of corn and bran. In the mixture I give 1 ounce of salt each for the light milkers, and 2 ounces for the heavy milker. For roughness they get about 10 pounds of alfalfa, three bundles of corn fodder and all the straw they want daily per cow. I hope to have a silo by next winter.

Detroit, Kan.

D. O. Krehbiel.

June Cow Feed at \$1.27 Per Ton

Mr. Editor—May 31 last a 1¼-acre patch of Sumac sorghum was sown on the station farm here. The ground had been double disked early in April and again the middle of May. The crop received only ordinary cultivation and was put into the silo September 24, yielding 12 tons per acre. The silo is of the cement, metal-lath type and there was no loss of silage from spoiling. Allowing current wages for all work done, and paying a man \$1 per

hour for the use of an engine to run the silage cutter, the expense of producing this crop and putting it in the silo was \$1.27 per ton.

The sorghum in this silo furnished 83 days of succulent feed for 7 cows and 2 calves. In addition to having all the silage this stock could eat, these cows were fed headed sorghum fodder from 2½ acres. They were also allowed to run to a straw stack during the period mentioned. Five of the cows were giving a good flow of milk during this time.

The ground on which this sorghum was grown had been cropped continuously for nearly a quarter of a century and is below the average of western Kansas soil in fertility. No fertilizer has been returned to this land and about 10 per cent of it is badly infested with bindweed, hence produced little or no feed.

G. D. Noel, Superintendent.
Dodge City Experiment Station.

A New Kansas Dairy Center

Southern Kansas appears to be taking hold of the dairy business in real earnest. A recent farmers' institute at Mulvane in the southeastern part of Sedgwick was attended by 300 farmers, a large per cent dairymen. As a direct result of this institute the Southern Kansas Holstein Breeders' association was organized. The organization represents breeders from several counties. George B. Appleman was elected president, and Al Howard of Mulvane secretary. The big milk condensary built at Mulvane several years ago has proven a great stimulus to dairying in that part of the state. This concern pays out nearly \$20,000 every month for milk. In the last two years more than 100 silos have been erected in the territory tributary to Mulvane.

Saving Barn Room for Cows.

Mr. Editor—Instead of keeping the cows tied or in stanchions I have an open shed at one side of the cow stable where I allow the cows to run. At milking time we let two or three of them into the barn, feed and milk them, then turn them into another lot. A few more are let into the barn and handled in the same way until all are milked. In this way the cows are kept so much cleaner, and seem to do better than when tied or kept in stanchions. Besides it does not take nearly so much stable room for the herd.

J. R. Ladlie.
R. 3, Independence, Kan.

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ORCHARD & GARDEN

For the best letter each week, contributed to this page by a reader, we offer a year's subscription or extension of subscription to Farmers Mail and Breeze. We want your views and experiences. They will help others. Address contributions to Horticultural Editor Farmers Mail and Breeze.

The gardener is no better than his tools.

A wheel hoe will earn its way in the garden in one summer.

The best way to kill out weeds is never to let 'em come up.

In planting a new orchard it is far better to use too much space than to crowd the trees.

If the chickens range over the strawberry patch they are very apt to injure the plants by picking the crowns.

If the garden fence is unsightly, why not plant some climbing vines to hide it, or set shrubbery along the sides most exposed to view?

The best way to reseed bare spots on a lawn is to loosen the surface with a rake during an early spring rain, or immediately after, and sow bluegrass thickly.

If a few radish seeds are scattered in the rows with the onion seed or other slow growing crops, they will mark the rows permitting them to be worked that much sooner.

Blackberries and raspberries will thrive on almost any soil and under a variety of conditions. It is comparatively easy to propagate them, so there is little excuse left for not having a small garden patch of this fine fruit.

Most Potato Diseases in Seed.

Speaking recently to the Wisconsin Potato Growers association, L. R. Jones, of Madison, an expert, told them that the majority of potato diseases are carried on or in the seed. Scab, blackleg, and late blight are examples. There are others quite as serious which have not yet been introduced, such as the black canker and the powdery scab, two of the most serious diseases of Europe, now found in Canada also, and the two wilt diseases which occur commonly farther south. Mr. Jones said the purchaser of seed potatoes should ask two things, first, is the seed true to name and type; and second, is it vigorous and healthy.

Some Early Gardening Suggestions.

[Prize Letter.]

Mr. Editor—When I plant radishes I make a long row the full length of the garden and after sowing the seed I go along and drop a few cabbage or tomato seeds at intervals, then cover up the trench and firm the soil. The radishes get a good start before the tomato and cabbage plants come up and if there should be a late frost the radish leaves will protect the other plants. The radishes may be pulled up for the table while the plants are allowed to grow on. I find this the best way to start cabbage and tomatoes.

When I sow salsify, parsnips and similar vegetables I put in a few flower seeds such as larkspur, asters, bachelor's button, etc., and when I have spent a long forenoon in the garden I can gather a handful of flowers for my dining table.

Spearsville, Kan.

M. T. K.

Starting an Asparagus Patch.

Mr. Editor—If you have a suitable patch of ground about 12 feet long by 6 or 8 feet wide, you can grow enough asparagus on it to supply a large family during the spring. Plant a bed this year and you can cut an excellent crop next spring. Well drained, mellow, sandy loam is best for asparagus. It must be warm, rich and well drained. Heavy clay will not do. If your soil is heavy, the best plan will be to excavate the bed to a depth of 18 inches and fill in with loamy soil or a mixture of loam and sand. Land that has been used for a garden is better than fresh soil. It must be spaded as deeply as possible, preferably from 12 to 18 inches.

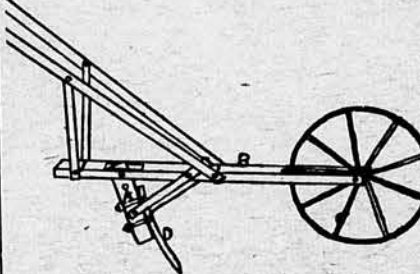
Make the soil fine, but not necessarily as fine as a seed bed, except right around the roots. Next dig trenches or hills deep enough to bring the crown of the plants 8 inches below the surface of the ground. Set the plants 12 inches apart in the rows. Cover them with a few inches of well packed earth and then put on stable manure until just the tip of the stalk is visible. Keep the patch hoed and fill the trenches in as the plant grows until the whole bed is level. Do not put manure directly about the roots.

John W. Bolte.

A Garden Plow Built At Home.

[Prize Suggestion.]

Mr. Editor—A garden plow is a very useful article but many people do not have garden enough to make it worth while buying one. I have a homemade plow that I find very useful. Any boy handy with tools can make one like it. A and B are pieces of 2 by 4. At one end of B a rectangular hole is mortised into which A fits and is bolted. The other end of B is mortised out to form the forks for the 12-inch wheel. The wheel is from an old baby carriage, with



LET THE BOYS MAKE ONE.

the rubber tire removed. This leaves a hollow shaped rim which rides over the ground better than a flat rim would. D is one of the tools which may be used for cultivation. A small cultivator shovel will answer the purpose. Other tools for garden working will suggest themselves to the ingenuity of the maker. The two iron strips bolted from A to B have several holes at the upper end to make them adjustable. The handle braces are also of iron strips. The handles are made of soft pine. This plow does fine work and one person can do as much with it as three persons can with ordinary hoes.

Fred L. Doty.

Mound Valley, Kan.

"Kansas" is the Best Raspberry.

At the last meeting of the State Horticultural society, John Brazelton, Jr., of Wathena, related what had been done at that famous fruit shipping point with the raspberry. Originally enormous crops of blackberries were what made Wathena famous as a shipping point for small fruits though of late years the strawberry is the leader in quantity and value of the crop. "Commercial culture of the raspberry antedates by several years that of the blackberry," he said, "and while prices at first were very high, large yielding varieties such as we have at present were not to be had. With the advent of the Kansas variety raspberry culture took on new life. A few years later the Cumberland, nearest the ideal of any variety yet introduced was brought out and now the acreage perhaps stands 75 per cent Cumberland and 25 per cent Kansas, all other varieties having been discarded.

"In raspberry culture we have our enemy, anthracnose, and it seems to have come to stay. Like most of our fungous pests this disease is worse in wet seasons. We are in hopes that scientists some day will discover a remedy for it. "Many fail in setting out raspberries by not doing this work before growth starts in the spring. Too many growers set them too deeply or I should say cover them too deeply. They want to be set deep, but only cover the crown about an inch. Pack the soil closely up around and cover the crown, then as the plant grows draw the dirt to them. If covered too deep and a hard rain comes before the new growth pushes through they will be very apt to rot before they can break the crust."

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Make fat, thrifty, healthy swine. Jerusalem Artichokes are easily grown, very productive. Can remain in ground over winter. Do not have to be harvested—hogs root them up. New Rose Colored Artichokes—French novelty, imported and grown on our farms. Smoother than the ordinary, perfectly hardy, wonderfully productive and beats the old kind. Introduce them in your locality. Found, 50¢; 3 pounds, \$1.00, postpaid with our handsome illustrated seed catalog for 1913. By express, not prepaid, pack, \$1.25. Jerusalem Artichokes, of ordinary kind, by express, not prepaid, pack, 75¢; bushel, \$2.00.

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Swedish Select and Kherson Oats. All seed Home grown, inspected and guaranteed by our Association. Also have 4 varieties of Seed Corn. Write today for catalog and price. **FRANK J. RIST, Humboldt, Neb.**

Trees For Southern Kansas

Mr. Editor—In your issue of February 22 State Forester Scott has an interesting and instructive article telling the sorts of trees to plant in stated portions of the state, with a map showing the three divisions into which he has divided it. Of course his boundary lines have to be more or less arbitrary but I must protest against Harper county being made a division of western Kansas. The Topeka papers often speak of this locality as "the southwest." Not much, Mary Ann, Harper county is in the eastern half of the state with a soil and a climate that produces anything grown elsewhere in the state.

The list of trees given for Division 3 is, I suspect, a good one and probably embraces all that will grow in the western end of the division, but there are several varieties of good trees omitted that grow as well in this county as they do east of here. Among them, black walnut, red bud, burr oak, sycamore, Black cherry and others. In our park we have a Norway maple that is doing nicely and in one of our yards there is growing a real, "down east" sugar maple, a beauty. Twenty years ago it was far more difficult to grow trees here than it is now but since the opening of the "strip" and the cultivation of the soil the hot, dry winds that generated there and blew over southern Kansas have ceased and while we have no greater yearly rainfall yet the climate is changed, more cloudy weather, more fog, dew and showers.

The early settlers had it all to learn as to variety suitable to the localities. In the report of the state board of agriculture for the year 1887 I think White ash was recommended for western Kansas. I got 500 seedlings, grew them and after planting a lot of them gave the remainder away, but I found they were a failure on upland. The borers have a great liking for them as they do for all slow growing trees. A neighbor told me of a farmer here who in the old country was a cabinet maker. He needed some chairs and decided to make them. He selected white ash, made a lot of nice chairs but could not afford to varnish them just then and before he could the borers ate them up. The white ash is a pretty tree on creek banks but no good on upland nor for furniture here. Catalpa is another good tree not mentioned in Division 3 that grows well here also. Black locust is a tree that grew here in an early day when others failed. We shall be glad to have Mr. Scott come and see us and if he will we can easily change his mind about what division we ought to be in.

James Glover.

Bluff City, Kan.

Beautifulizing Farm Homes

C. D. Steiner, supervisor of boys' clubs for the Agricultural college has a fine lecture on this subject illustrated by 60 slides from the U. S. department of agriculture. The college desires to arrange some circuits for Mr. Steiner for April and May with the Granges or other organizations of the state. There will be no charge except for traveling expenses and if a circuit of six or more places can be made the share of each will be small. The lectures should be given at night. Correspondence should be addressed to Superintendent Edward C. Johnson, Kansas Agricultural College, Manhattan, Kan.

With a "Farm Office" Letter

Mr. Editor—I don't know whether farmers write very enthusiastically at this time about farm office equipment. It is funny, but I have been for the past year getting this subject among others ready for "dope". But, the Mail and Breeze is up-to-date, and when one thinks of a live subject they have it on the string in all probability. I intended to go further from my actual experience as a farmer and reach in addition methods of doing business, keeping accounts and records, also, business publicity as to things for sale, business organization, etc. I have studied the Farmers' union and other organizations from that point of view. It is a question whether we farmers as a class are not spending time "knocking" about the other fellow's business office, efficient

methods, organization, etc., when we might better put some of the energy in getting our own business activity "harnessed" right, and "hitched" to pull.

Well, enough moralizing. I have sent a letter upon these ideas, but cannot cover in 500 words what I wanted to include. Can just see where the desk, typewriter, every utility ought to be placed, in my mind's eye, but my artistic sense is not up to sketching the picture.

Alfred Docking.

R. 3, Manhattan, Kan.

Farm Commission Leaves Soon

The American commission for the study of European co-operation composed of delegates from the states of the United States and provinces of Canada, will leave New York, April 26, for a 90-day tour of Italy, Germany, Austria, Hungary, Switzerland, France, Belgium, Holland, Denmark, Sweden, Russia, the Balkan States, England and Ireland. The commission will investigate the methods employed by progressive agricultural communities in production and marketing and in the financing of both these operations. Special note will be taken of the parts played, in the promotion of agriculture by the governments and by voluntary organizations of the agricultural classes; the application of the co-operative system to agricultural production, distribution and finance; the effect of co-operative organization upon social conditions in rural communities, and the relation of the cost of living to the business organization of the producing class.

The government's commission as appointed by President Wilson comprises Senator Fletcher of Florida, president of the Southern commercial congress; Senator Gore of Oklahoma, chairman of the senate agricultural committee under the new senate organization; Congressman Moss of Indiana, chairman of the agricultural appropriation committee of the house; Dr. Clarence J. Owens of Maryland, managing director of the Southern commercial congress, and formerly president of the Southeastern Agricultural college of Alabama; Kenyon L. Butterfield of Massachusetts, president of Amherst college, and a leader in agricultural development work; Dr. John Lee Coulter of Minnesota, the government's expert on agricultural statistics; and Colonel Harvie Jordan of Georgia, president of the Southern Cotton Growers' association, and former president of the National Farmers' Congress.

Farm Co-operation Conference

Farmers, business men, and school workers will meet to discuss rural schools, agricultural credits, marketing methods and other pressing questions of country life at the conference for education in the South, to be held at Richmond, Va., April 16-18. The governors of nearly all the southern states have appointed delegations of farmers and business men to attend the Richmond meeting. Tenantry and the betterment of rural schools will be among the questions discussed. It is expected a definite plan for organizing and managing co-operative marketing associations will be worked out.

Propagating Nut Trees.

(Prize Letter.)

Mr. Editor—One of your readers wrote me saying he had dug up a black walnut tree and replanted it but that it had made poor growth. He wanted to know of the best way of planting a walnut grove. All nut trees have tap roots. If this root is cut after two years of growth, the tree will seldom do well. I have found the best method of propagating nut trees is to plant the nuts in nursery rows. If I am not ready to set out the trees permanently after the first year's growth, I cut the tap root with a long narrow spade.

It must be remembered that all nuts or fruit stones will not germinate if planted dry. They must go through a process of freezing and thawing. It is therefore best to cover them with earth in the fall, about 2 inches deep. The alternate freezing and thawing through winter will crack the hard shells and they will be ready to plant in early spring.

Jacob Faith.

Eldorado Springs, Mo.



HOW TO MAKE YOUR HOGS MATURE QUICKLY

This Scientifically Prepared Hog Food Will Make Bigger Hogs, Better Hogs, Stronger Hogs, QUICKER and CHEAPER Than Any Other Hog Food!

The problem of getting hogs in shape quickly for the market is solved at last through the use of Morris & Company's Big Brand Digester Tankage. Farmers and stock-raisers throughout the country are rapidly recognizing the value of this scientifically prepared product. Send the coupon below for our booklet and special offer to the first 20 men in every township. The value of Digester Tankage lies in its abundance of Protein or flesh-forming substance. Morris & Company's Big Brand Digester Tankage is made of animal by-products, thoroughly sterilized and ground, and is especially rich in Protein—it contains not less than 60% of this substance that forms flesh, builds the frame and tissues and matures hogs quickly. It also contains not less than 25% fat and 10% bone phosphates—ingredients that assist in the quick production of sound, substantial hog flesh. Here's the important point—Big Brand Digester Tankage will produce hog flesh at a less cost per hundred pounds than any other food. It's actually cheaper to use, because it builds bone and tissue so quickly and keeps hogs in prime condition always.

BIG BRAND DIGESTER TANKAGE

Increases Hog Profits —EASY TO FEED

Agricultural Experiment Stations will tell you of the value of Digester Tankage as a hog food. The abundance of flesh-forming Protein and bone building phosphates and the ease with which they are assimilated, helps bring hogs to maturity quickly. That means hog profits for you. Morris & Company's Big Brand Digester Tankage is made in our big pecking plants. It is made of animal by-products which are cooked in tanks at high temperature. This separates the fat and oil from the frame and thoroughly sterilizes every particle. Then it is dried under high temperature, after which it is ground, separated and cooled. It is then packed in 100-lb. white drill bags for shipment.

Big Brand Digester Tankage is easy to feed. It can be fed wet or dry all the year round, with or without other food. Just stock-raisers mix it with other foods to form a well balanced ration and use about 1-4 to 3-4 pound per day per hog.

It costs less than 2c per animal per day.

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We are making a special offer to 20 men in every township. To the first 20 men in your neighborhood who send the coupon we will make this special proposition. We'll also send you our booklet on hog feeding—all FREE. Just sign and mail the coupon at once.

Remember, we save you money because we ship from our plant nearest to you. We ship direct to you or through your dealer. We save you money because we help you build hogs quicker, stronger and cheaper. Write us for special prices of Big Brand Digester Tankage. This proposition means more money for you. BIGGER HOG PROFITS. Quick action is necessary. Just mail the coupon and we'll send you our special offer to 20 men in each township and the best on hog feeding, all FREE. Be the first to get the special offer. Tear out the coupon now and mail it at once.



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Please send me free, without any obligation, your special offer to twenty men in each township, your book on hog feeding and complete information about Big Brand Digester Tankage.

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Mail us your name and mention this paper and we will send you free one 10-cent packet of LANDRETH'S RED ROCK TOMATO—the best ever introduced—and will also send you our Seed Catalogue.

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Boone County White and Reid's Yellow Dent. Well matured and well selected. Shelled and graded \$2.25 per bu. In ear, crated, \$2.75.

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YOUR NEIGHBOR'S HOGS ARE DYING

YOURS MAY BE NEXT!

Nearly \$50,000,000.00 of cold hard cash for hogs which should be in the pockets of the farmers, was lost last year, because hog owners would not take the simplest precautions to protect their stock. Worms cause 90% of all hog losses. Even the dreaded cholera attacks herds only after worms have sapped their vitality and weakened their power to resist disease. All hogs have worms, from the time they are a few weeks old. Yours have them.

Columbian Stock Powders will positively destroy all worms and dispel them in twelve hours after feeding. They will stop your hog losses. The oldest stock powders on the market; the leader for 25 years. The only powders that never fail to expel all the worms.

COLUMBIAN STOCK POWDERS are strictly a medicine—not a food. They make your hogs thrifty, tone up the system, and prevent Cholera, Thumps, Scours, Coughing, Fevers, etc. They aid digestion and make feed go 25% farther. Endorsed by prominent stockmen everywhere.

ABSOLUTELY NECESSARY FOR BROOD SOWS. Keeps them in good condition and insures strong, healthy litters. Makes the milk flow more abundant and purer, and eliminates the feverish condition that results in unhealthy, runty pigs. You must put your sows in condition right now to get the most thrifty pigs.

WE HAVE A SPECIAL FREE OFFER to make you at this time which we have never before made. You cannot afford to miss it as it means dollars to you if taken advantage of at once. You can prove the value of Columbian Stock Powders 90 days before you pay a cent.

Write us today for full information and tell us how many hogs you have.
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COLUMBIAN STOCK POWDER KILLS WORMS

TAPE WORM

WHIP WORMS

STOMACH WORMS

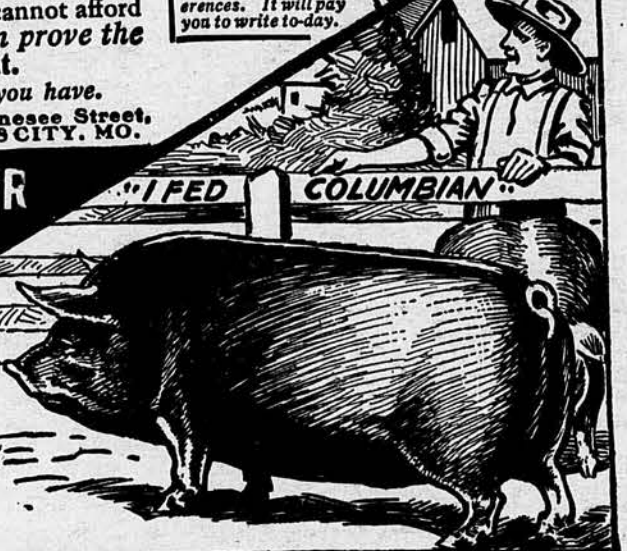
LUNG WORMS

AGENTS WANTED

We have an unusual money-making proposition to offer you if you are a man of good standing and good reputation in your community. The pay is large and sure and the work is not hard. Write us for particulars giving references. It will pay you to write to-day.



Hog Cholera is unknown where Columbian Stock Powder is used.



VETERINARY ADVICE

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.

Coughing Hogs.

I have a sow that weaned 9 pigs 12 days ago. Four days ago the sow began to cough. She seems to cough only when moving around. Her breathing sounds as though a cold were settling on her lungs. What is this trouble?—J. E., Oklahoma county, Oklahoma.

Pigs are frequently troubled with coughing which may be the result of soreness of the throat or lungs or sometimes it may be caused by worms. I would suggest that you give her ½ teaspoonful of chloride of ammonia twice daily in her slop.

Growth on Pigs' Heads.

I have a sow with nine pigs. Five of them were black and four white. The five black ones had knots on their heads as big as a dollar, right over the forehead, and one of them died. Can you tell what caused it?—W. H. H., Garfield county, Oklahoma.

It is very difficult to say what the knots on the pigs' heads were. It may be some deformity during the development, but why the black ones were affected and the white ones were not I am unable to say. If one could have seen these pigs it would have aided very materially in telling the trouble.

Ailing Jack.

I have a jack that is weak in his legs. He can't get up alone. He eats and drinks very well, looks well out of his eyes, his bowels are free but water is quite yellow.—J. R., Grant county, Oklahoma.

The trouble with your jack is probably some nervous lesion and it is a condition that is not easily overcome, espe-

cially if it appeared without any apparent cause. I would suggest that you assist the animal to its feet frequently, give him moderate exercise and give him 1 tablespoonful of Fowler's solution of arsenic twice daily in his feed.

Tumor Enlargement.

I have a horse that has an enlargement just behind his left ear. It has been there for nearly a year and doesn't seem to be growing or going down. What is this lump and what can be done to destroy it?—R. R. M., Saline county, Kansas.

It is impossible for one to state what the enlargement back of the horse's ear is without seeing it. It may be a tumor such as we frequently see in gray horses or it may be a tumor of a fibrous nature or it may be a misplaced tooth. In the development of the teeth occasionally one will get misplaced and make its appearance in this region.

Hoof Troubles.

I have a mare 1,350 pounds in weight that lost her hoof last summer. She got it bruised about a year ago on frozen roads. She is very lame. The ankle is larger than the hoof which is starting. Is there anything to take the swelling out of her ankle? I have been putting linseed oil on it. She is 4 years old.—W. H. B., Gove county, Kansas.

It is rather difficult to foretell how your case will result. Usually when they lose the hoof under the conditions you mention the new hoof is more or less deformed. There is not much to be done. One should keep the hoof trimmed into shape so as to try to get it to grow as normal as possible.

Dropsy of Calf Bed.

I had a cow that would not eat for about two weeks. She seemed very badly bloated. Post mortem showed the sack containing calf to contain at least 50 gallons of water. There was no gas in any part of intestines, they were entirely empty. She would have calved in about six weeks. There were no indications of any abnormal conditions except the unusual amount of water. The cow had been running on wheat pasture and Kafir stalk fields and was in fair condition. What could have been done to save her, if anything?—J. W. B., Montgomery county, Kansas.

Your cow undoubtedly had dropsy of the foetal membranes. This condition is occasionally met with. The treatment is usually unsatisfactory. The fluid might have been drawn off through the side by means of a tube or abortion might have been performed. Usually,

however, the calf bed, or uterus, is so distended or paralyzed that if the fluid were removed there would be little tendency for it to contract and regain its normal condition. This lack of tone and inability to contract would enable micro organisms and poisonous products to be absorbed from the uterus and death usually results.

Jaw Swellings.

I have a cow and yearling steer, both of which have lumps on both sides of their jaws. The cow's lump is large and runs a little. Can you tell me what to use after opening the lump, or is there some other remedy that may be applied?—D. C., Miami county, Kansas.

If the lumps are not on the bone they may be dissected out, or they may be opened so as to allow the pus to escape and then swab out the openings with tincture of iodine every three days. Get 2 ounces of iodide of potash and put it in a pint of water. Give them 2 table-spoonsful twice daily for a week or 10 days, then stop for a week and resume again if necessary.

Leg Swellings.

I have a mare that had one of her front legs swell up about a month ago. I bathed it with some liniment and it broke open down at her ankle, ran some corruption and bloody looking water, then got well. Now her other one is the same way. What could I do for it?—C. L., Garfield county, Oklahoma.

I should suspect that the trouble with your mare's legs was a result of interfering so that she bruised the fetlock and the inflammation extended upward, or it might be the result of a bruise caused in some other way. I would suggest that you syringe out the opening with a little carbolic acid water or some other antiseptic and give the animal 2 table-spoonsful of sodium hyposulphite twice daily.

Delayed Afterbirth.

I have a 3-year-old Jersey cow that was fresh last August. I failed to find any afterbirth so put her up for two days and gave her warm water and feed. The afterbirth did not appear so turned her out again and bred her October 13. On February 16 she passed what we thought was an afterbirth and this morning she passed an undeveloped calf. Nothing else has come. The first discharge was diseased and had an offensive odor. Could this have been the old afterbirth? If the second

afterbirth has not been passed what will help the cow discharge it?—T. R. G., Wyandotte county, Kansas.

I think the trouble with your cow was abortion. Very probably she cleaned after the last calf, for if she had not the chances are she would not have conceived when she was bred again. I think the material that passed first was the after birth of the present calf. If there is still an afterbirth to come it could only be determined by an examination or by the discharge.

Udder Troubles.

I have a 5-year-old mare in foal, bred June 10 that got stiff about six weeks ago and her bag is beginning to swell. The swelling worked down her legs first, then forward along her belly. About 25 or 28 days after the swelling began her bag broke and began to run a watery, yellowish matter. She is as stiff as ever.—J. A. M., Graham county, Kansas.

The stiffness of the mare is probably the result of the inflammation of the udder. Possibly she injured herself and caused the parts to suppurate. The stiffness may also be the result of laminitis or founder. I would suggest that you keep the parts clean and syringe out the openings with carbolic acid and water. Use 2 teaspoonsful of the acid to a pint of water, also give her 2 table-spoonsful of sodium hyposulphite twice daily in her feed.

Chronic Bronchitis.

I have a horse 12 years old that had a bad spell of distemper late last fall. This spring he wheezes while working and just after he is through drinking. He weighs about 1,500 pounds and is in good flesh. I have already given him three 4 ounce bottles of Fowler's solution in small doses. He seems to be worse in damp weather. He feels all right, but cannot stand work very well. There is also a white foam runs out of his nose at times.—B. F. E., Buchanan county, Missouri.

Your horse has probably developed heaves or chronic bronchitis from the distemper. If Fowler's solution of arsenic does not seem to benefit him I would suggest that you mix 1 ounce of iodide of potash with 8 ounces of water and give him 2 table-spoonsful daily. After 8 or 10 days stop the treatment for a week or so and then resume again. Keep the animal out of the wet as much as possible and do not feed him any dusty fodder. When you turn him into pasture he probably will improve.

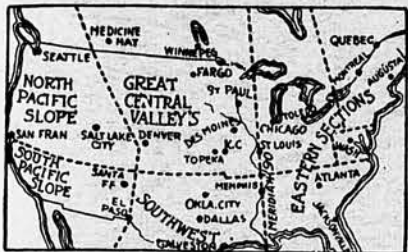


FOSTER'S FORECASTS

(Copyright 1912 by W. T. Foster.)

Washington, D. C., March 29.—Last bulletin gave forecasts of disturbances to cross continent March 29 to April 2 and April 1 to 5, warm wave March 28 to April 1 and March 31 to April 4, cool waves March 31 to April 2 and April 3 to 7.

Next disturbance will reach Pacific coast about April 6, cross Pacific slope by close of 7, great central valleys 8 to 10, eastern sections 11. Warm wave will cross Pacific slope about April 6, great central valleys 8, eastern sections



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

10. Cool wave will cross Pacific slope about April 9, great central valleys 11, eastern sections 13.

This disturbance will continue the dangerous storm period and will be followed by a cold wave in northern sections that may cause frosts further south than usual.

Not much rain in great central valleys before April 10 but in northeastern states good rains will occur from April 16 to 23. The cool weather near middle of April may cause showers but no general rains. Cropweather is expected to continue satisfactory and farmers and planters will have good opportunities for planting and sowing. Early maturing crops should be planted or sown very early and late maturing crops put in unusually late.

Kansas Sixth in Farm Crops

Kansas was sixth and Texas first last year in total value of crops produced in the United States. The figures were given out last week by the U. S. department of Agriculture. Iowa holds her position as third, while Ohio has lost to Missouri the honor of fourth place.

During 1912 Texas produced \$407,160,000 in 12 crops, corn, wheat, oats, barley, rye, buckwheat, flaxseed, rice, potatoes, hay, tobacco and lint cotton. The enormous cotton crop easily gave Texas a big lead over the second largest crop producing state, Illinois, whose aggregate production was valued at \$289,326,000. Iowa's crop value aggregated \$284,395,000, Missouri's \$196,968,000, and Ohio's \$190,718,000.

In the second five the states ranked: Kansas, \$182,363,000; Pennsylvania, \$176,275,000; Minnesota, \$160,615,000; Georgia, \$159,672,000 and North Dakota, \$155,110,000.

In addition to the 10 leading states the following produced more than 100 million dollars in the principal crops:

Indiana, New York, Nebraska, Wisconsin, North Carolina, Alabama, Oklahoma, Michigan, Kentucky, South Carolina, Mississippi, Tennessee and California.

South Dakota produced \$99,660,000.

Institutes Now For Farm Boys

A series of institutes for farm boys only will be conducted by C. D. Steiner in charge of the boys' and girls' clubs at the Kansas Agricultural college. The boys will get together and discuss their problems and maybe several of them will tell how they grew the prize acres of the county. Then they will listen to a talk by Mr. Steiner.

In the next two weeks boys' institutes will be held in three corn growing counties—Republic, Marshall and Jewell. Mr. Steiner will hold an afternoon and a night meeting every day. The afternoon session will consist of exper-

ience talks by boys and a corn talk by Mr. Steiner. At night Mr. Steiner will give an illustrated lecture on planning and planting the home grounds. The night meetings will be open to everyone.

Drag Roads to County Towns

Missouri's legislature has provided for a system of 7,000 miles of dragged roads to connect every county seat in the state. This system is to be laid out within the next three months in Missouri and will be the beginning of a definite plan of highway improvement. Money out of the state good roads fund will pay for the dragging of this 7,000 miles of road within the next two years. The plan is said to have been used in Carroll county for the last three years with marked success.

Peanuts a Doubtful Crop Here

No definite conclusion can be drawn from the tests made last year with Spanish peanuts in Kansas by some 28 farmers in various parts of the state in co-operation with the agronomy department of the Agricultural college. It was not a good year for a fair test of the crop. It is quite likely, though, that Spanish peanuts will not be a profitable crop to grow in this state, unless it is in that region south of the Arkansas river. A more favorable season may give more encouraging returns.

One of the chief difficulties reported in growing this crop is getting it started and keeping down the weeds in the spring. The peanuts germinate very slowly and are often dug out of the ground and eaten by mice and ground squirrels. Birds also quite often destroy the young plants, as sometimes a part of the kernel remains on the plant as it comes through the ground.

It is important that the soil be in a mellow condition at the time the peanuts are "pegging," that is, when the plants are sending shoots down into the ground upon which the peanuts form.

Two methods are most commonly used in harvesting the crop. One is to let the hogs root them out and feed upon them, and the other is to plow them out with a plow from which the moldboard has been removed. In the latter case the vines are piled and cured and later the peanuts are pulled off by hand.

Peanuts have a high feeding value and hogs fatten on them readily. Spanish peanuts are very drouth-resistant. They do not make good returns in the cooler sections of the country.



Why Roller Bearings are Best

You know how much easier it is to draw a stone on rollers than to drag it along the ground. You have seen houses moved on rollers many times. Our mechanical engineers have applied the same principle to wagon building. They have invented and perfected an improved roller bearing with specially hardened steel bushing, for farm wagons, that runs $\frac{1}{4}$ to $\frac{1}{2}$ easier than the ordinary frictional sliding bearings. This invention has revolutionized farm wagon construction, and every wagon will soon have roller bearings. Official tests of Road Experts of U. S. Department of Agriculture show remarkable results.

Peter Schuttler Roller Bearing Wagons

Do One-third More Work and Do It Easier

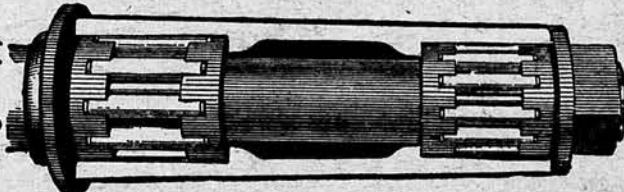
because the roller bearings run so much lighter and require less power to pull the load. They save time—money—horses—harness—feed—repair bills—greasing—trouble, and wear on the wagon. They are much easier on the horses, and soon pay for themselves by economy of operation.

The Schuttler Roller Bearing Wagon is not an "all steel" wagon with steel wheels—but the "Old Reliable" Peter Schuttler Quality Wagon—the "One Best"—with standard wood wheels, steel axles, and our latest and greatest improvement—the Schuttler Patented Roller Bearing.

Write For Our Free Book

which explains the improved Schuttler Roller Bearing construction and gives records of official tests by United States Government.

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Experience—Concentration—Perseverance

In these three words lies the key to the success of the "Flour City" Tractors. The result of fourteen years specialization, continually concentrating on improvements of mechanical design, has made the "Flour City" what it is today.

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Beet Raising in Kansas

CLIMATIC ADVANTAGES.

The three things in nature upon which success in raising sugar beets depends are sunshine, water and soil, in about the order given. In Kansas the Arkansas Valley is long on all three of these requirements.

Sugar beet territory in Kansas can be greatly increased whenever the demand requires it and of late years the beet sugar industry has increased so amazingly that it is time more attention be paid to the subject of beet raising in Kansas, where sugar beets are not now grown as a crop.

For one thing, beet raising promotes better farming. It compels a rotation. It also advances dairying and livestock raising. But it is laborious work. One advantage a beet raiser has that a corn or a wheat farmer doesn't have, is that the sugar factory makes a contract with him for his crop, and he knows in advance what he is going to get for it. He has no dread of the course of the market.

A sandy, or clay loam, deep and fertile, gives best results in beet growing. According to Coburn's Kansas reports, old alfalfa land is excellent for beets. On grain land the stubble should be plowed under during the fall. Corn land should be thoroughly cleared of stalks. Fall plowing and winter irrigation are a great help in insuring a good stand of beets. A leveler, clod pulverizer and harrow should be used in working the land down before planting in the spring. In the working down process it is important the ground should not be permitted to dry out. On fresh plowing the harrow should be used within a few hours. In Kansas early planting gives best results, about April 1. The seeding is done with drills specially made for the purpose, the seed being dropped continuously in rows 18 or 20 inches apart. Weeds must be kept down. Thinning begins as soon as the plants show four leaves. Cultivation is frequent until the size of the leaves makes this impossible without injury to the plants. From that time until harvest the hoe is used and weeds are pulled by hand. Irrigation should be frequent enough to keep the soil normally damp not wet.

The harvesting is done with a beet plow which breaks the tap root and lifts the beet, so pulling by hand is an easy matter. Topping is done by a man who follows the harvester. He removes the top portion and leaves with a stroke of his topping knife.

Through its secretary, Truman G. Palmer, Washington, D. C., the United States Beet Sugar Industry is distributing a free bulletin on beet growing. It also discusses the tariff phase of the industry.

Jetmore's Farmer Store Pays

Mr. Editor—There are two things necessary to the success of a co-operative business—first, the honesty of the manager, and second, selling for cash only. The Farmers' Union organized a general store in Jetmore, Kan., four years ago with a capital of \$10,000. It is incorporated under the state laws of Kansas. Shares are \$10 each and no stockholder is to own more than \$100 worth. Each stockholder is entitled to one vote. There are seven directors who employ a manager. Under the wise management of the directors and superintendent the business paid 8 per cent interest and 15 per cent in dividends the first year. Since organizing, a two story building has been bought costing \$10,000. The payments on the building are \$1,000 annually. Besides paying the 8 per cent on stock, the store is meeting its payments out of the dividends.

The stockholders are farmers, the directors are farmers, and the manager is right off the farm, with no previous mercantile experience. The store operates on a strictly cash business. At the end of 10 years the stockholders will own their building besides having received 8 per cent on their investment.

Jetmore, Kan. C. E. Broughton.

New Books For Farmers

"The Gasoline Engine on the Farm", is a very practical treatise on the farmer's mechanical hired man. The book is by N. W. Putnam, has 556 pages and is published by the N. W. Henley com-

pany, 132 Nassau St., New York City. It will be sent postpaid for \$2.50.

Charles S. Plumb, head of the animal husbandry department of Ohio Agricultural college, is the author of a good book for farm boys as well as grown-ups who want to learn more about the foundation facts on which profitable livestock keeping rests. "Beginnings in Animal Husbandry" is the title and it may be had from Webb Publishing company, St. Paul, Minn.

Another new book of considerable merit published by the same company is "Field Crops," written jointly by A. D. Wilson, superintendent of farmers' institutes in Minnesota, and C. W. Warburton of the U. S. department of agriculture. The book is of 544 pages and will be sent postpaid for \$1.68.

Prof. E. C. Brooks of Trinity college Durham N. C., is the author of "The Story of Cotton," an interesting history of the South's greatest crop. It is published by Rand McNally, Chicago.

C. S. Valentine has written a very readable and instructive book "The Beginner in Poultry." It is well illustrated and written in simple English. The first object of the author was to make it practical and he succeeded in doing this. The book contains 450 pages, and may be had from the publishers at \$1.50 net. Address The MacMillan company, 66 Fifth Ave., New York City.

Better Buy Your Cement Posts

In spite of the fact that they are often advised to do so, it will not pay farmers to make their own cement fence posts, unless they have plenty of time and understand how to handle cement, says H. C. Ramsower, of the Ohio College of Agriculture. He believes a farmer's time is worth more for other work than the posts will cost ready-made, and that the average farmer is not able to control conditions or does not understand cement well enough to always insure the production of good posts. From one batch of cement he may turn out good posts and from the next batch they will be bad, so he thinks it is better to buy posts from factories that make a business of this phase of cement work. However, Mr. Ramsower does believe it will pay farmers to make their own cement corner posts, where longer time and more attention can be given to the work.

What's the Matter on the Farm?

FARMERS' ANSWERS.

Frank G. Odell, secretary of the Nebraska Rural Life commission, has completed an analysis of several hundred replies to a series of questions regarding taxation and farm conditions in Nebraska.

An interesting feature of the report is the general dissatisfaction among farmers concerning the taxation laws, 81 per cent saying that they regard the tax laws as unsatisfactory.

Fourteen per cent of all replies suggest abolition of the personal property tax as a remedy. Eleven per cent declare in favor of removal of tax on improvements on real estate and the substitution of the single tax. Six per cent think the income tax the proper remedy and 5 per cent wish larger exemptions.

Complaint is frequent that banks in the western part of Nebraska are charging exorbitant interest rates.

The following were the questions and the percentage of answers:

1. Are the farm homes in your neighborhood as good as they should be under existing conditions? Yes, 56; no, 44.
2. Are the schools in your neighborhood training boys and girls satisfactorily for farm life? Yes, 11; no, 89.
3. Do the farmers in your neighborhood get the returns they reasonably should from the sale of their products? Yes, 35; no, 65.
4. Do the farmers in your neighborhood receive from railroads, highways, trolley lines, etc., the service they reasonably should? Yes, 53; no, 48.
5. Do the farmers in your neighborhood receive from the United States postal service, rural telephones, etc., the service they reasonably should expect? Yes, 58; no, 42.
6. Are the renters of farms in your neighborhood making a satisfactory living and accumulating profits which tend to enable them to become owners of farms? Yes, 23; no, 77.
7. Is the supply of farm labor in your neighborhood satisfactory? Yes, 35; no, 65.

8. Are the conditions surrounding hired labor on the farms in your neighborhood satisfactory to the hired help? Yes, 81; no, 19.

9. Are the farmers and their wives in your neighborhood satisfactorily organized to promote their mutual buying and selling interest? Yes, 8; no, 92.

10. Have the farmers in your neighborhood satisfactory facilities for doing their business in banking, credit or insurance, etc.? Yes, 82; no, 18.

11. Are the taxation laws of the state satisfactory to the farmer? Yes, 19; no, 81.

12. Do you know of undervaluations of real estate or personal property in your neighborhood, for purposes of taxation? Yes, 26; no, 40.

13. What change if any, would you suggest in tax laws?

14. Are the sanitary conditions of farms in your neighborhood satisfactory? Yes, 51; no, 39.

15. Are the religious facilities in your neighborhood satisfactory? Yes, 88; no, 12.

16. Do the farmers and their wives in your neighborhood get together for mutual improvement, entertainment and social intercourse as much as they should? Yes, 17; no, 83.

17. What in your judgment, is the most important single thing which may be immediately done for the betterment of farm life in Nebraska?

- 1—Practical education for farm life.
- 2—Good roads.
- 3—Co-operation in business.

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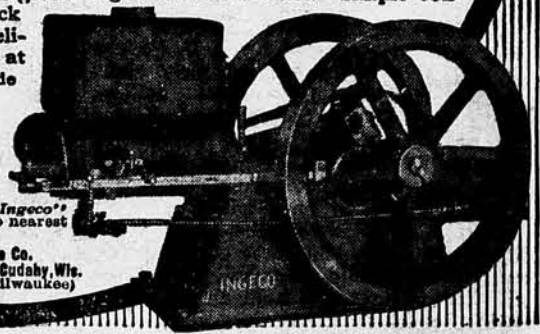
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The Silo In Dry Farming

BY C. H. HINMAN,
Colorado Agricultural College.

The only lamb feeders that I know in this state who claimed to have made a profit in lamb feeding last year were the Young Brothers, of Fort Lupton, who fed alfalfa hay and corn silage, making a profit of about \$1 a head on their lambs while most feeders lost about \$1 a head. Frank McRae, of Fort Lupton, built and filled a silo early last summer and he found that with the use of silage the milk produced from his herd in November, 1911, cost him 36 cents per 100 pounds less than the milk produced in November, 1910, in spite of the fact that other feeds were higher in 1911.

Silage can be used in late summer and fall when range pasture becomes insufficient for dairy cows, and it can be kept over from year to year. I have frequently fed silage which was 2 years old; have known of that being used which was 5 years old, and have heard of its being used at 7 years old. This latter feature is especially important in the dry-farming territory, because we shall always have years of relative abundance and years of scarcity of feed.

Where Concrete Silos Excel

Because of the fact that our dry atmosphere and high winds are hard upon the silo constructed of wood, of the ordinary stave type, I favor the use of concrete for silo construction. A properly constructed concrete silo keeps silage just as well as does a silo constructed of any other material. It is a permanent structure, costing nothing for maintenance, it will not rot, burn or blow down, and in general it costs less to build than does the stave silo. While the cost of construction varies considerably, it will average in this state about \$2 for each ton capacity; that is, a 100-ton silo 15 by 30 feet will cost about \$200. This includes the farmer's own work, hauling sand, etc. The actual cost in money paid out for such a silo will average about \$140.

A 12-inch cutter and blower for elevating 32-feet costs from \$140 to \$170, and will require from 8 to 12 horsepower for its operation. Such an outfit should cut from 6 to 7 tons per hour when run to capacity. One such outfit is sufficient to fill about five silos.

A Pit Silo Better Than None.

The pit silo is entirely feasible and affords a better means of forage preservation than does anything else, except a well constructed silo. This pit may be simply a hole dug in the ground. It is generally lined with a cement plaster applied to the wall to a thickness of from 1 to 2 inches. Such a silo can be filled with uncut forage, which in that case should be put in in small bundles and very thoroughly packed.

Several such silos were built in Colorado last year, and they are unquestionably better than no silo at all. They are not as good as the silo of the type mentioned above for the following reasons:

It is practically impossible to secure sufficient depth in such a silo to allow the forage to settle enough to thoroughly exclude the air and there is likely to be a much higher percentage of spoiling.

It is much more difficult to get the silage out of such a silo. It requires the use of a windlass or hoisting apparatus of some kind.

If such a silo is built deep enough to be highly efficient, there is danger of an accumulation of carbonic acid gas, in the bottom, which may cause suffocation. This danger may be obviated by running stove pipe to the bottom of the silo and putting a lantern at the bottom of the stove pipe so that it will create an upward current of air and therefore draw fresh air into the silo.

Covering a Pit Silo.

Such a silo actually costs more than one of the same capacity built of concrete and described above, if a man figures the labor necessary to make the excavation and the cement necessary to plaster the walls.

The following is part of a letter by

Frank B. Smith relative to his pit silo which I examined at Rush Center, Kan.:

"I cover the pit with wet straw, hay or fodder, 6 to 8 inches deep, then stack hay or fodder over the two to add weight so that when the pit begins to heat up good and the feed softens, the weight will force the silage down in a compact mass which fills all the air spaces and forces the air out. In putting in the whole plant, I advise putting the corn binder bundles crosswise of the pit, as it can be taken out easier and will disturb the silage remaining, less than any other way. I have had cutting machinery and found it all right, but not a necessity.

Ft. Collins, Colo.

Banish the Unsound Mare, Too

Mr. Editor—In a recent Mail and Breeze E. E. Hall asks why not banish the grade stallions entirely. To my thinking he only made a start in the right direction. Because a horse is registered does not make him a good horse. Some grade stallions show finer colts than some registered stallions. A registered stallion may be unsound, blind, have splints, sidebones, curb, and other defects. Whether registered or not such an animal should be castrated.

The sire is not all there is to be considered. A good, registered dam as well as a sire must be included if we would improve our horses. In this state mares of all grades, sizes, and shapes are bred to registered stallions without restriction. I know of an outlaw mare that is bred to a registered stallion each year. What can we expect in the way of colts from such crosses?

Mr. Hall refers to a certain class of windjammers who keep grade horses. But they may be as near right as the windjammer who accepts the services of a horse just because he is registered. While we are banishing grade stallions, let us grade the registered stallion. And let us also discontinue the use of the little, ill-tempered, ill-shaped, Texas, Mexican, and range mares for breeding. Put a penalty on the registered stallion

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keeper who allows such mares to be bred to his horse. Make it unlawful for a man to offer an unsound mare as well as horse for breeding purposes. Inspect the dam as well as the sire.

Harper, Kan.

J. S. Wells.

[Mr. Wells hits the nail on the head in regard to the importance to be placed on "registered" horses. Too many mare owners allow themselves to be impressed by the mere fact that a horse is "registered." A sound, purebred stallion and a registered horse may be two very different animals. The company back of the registration is what counts. Fake registry associations have cheapened the term "registered" until in itself it means little or nothing to the careful horseman. However, Dr. McCampbell and the livestock registry board now have these impostors on the run in this state.—Ed.]

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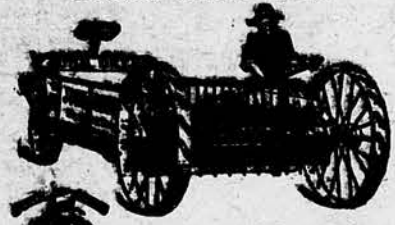
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The Beater on the Axle

The beater and all its driving parts are mounted on the rear axle. This construction is patented. You cannot get it on any other spreader made.

Power to drive the beater is taken from the rear axle through a planetary transmission (like that on automobiles). It is positive, runs in oil, and does not get out of order.

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The John Deere Spreader is so simple that there are no adjustments. It has some two hundred less parts than the simplest spreader heretofore made.

There are no clutches to throw it into gear. The lever at the driver's right is moved back until the finger, or dog, engages a large stop at the rear of the machine. All the chains and adjustments have been done away with.

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Because the beater is mounted on the rear axle, it is only "hip-high" to the top of the box. Each forkful of manure is put just where it is needed. You can always see into the spreader.

Roller bearings, few working parts, the center of the load comparatively near the horses, and the weight distributed over four wheels, make the John Deere Spreader light draft.

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Poultry Keeping

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

For the egg eating habit try darkening the nests.

Little and often is a good feeding rule for chicks.

Poultry success depends more on condition than on breed.

Crossing breeds is a step backward in the chicken business.

Overheating is responsible for more incubator troubles than underheating.

Disinfecting the incubator between hatches is a precaution worth taking.

A half pint of carbolic acid in 2 gallons of water makes a good disinfectant for any purpose.

Removing the cause of disease is more satisfactory all around than doctoring the chicken afterward.

I have found that to make a nest of alfalfa hay acts as a mite preventive. —W. L. Morrison, Lawrence, Kan.

The best piece of advice for a beginner in poultry raising is to go slow at first. Start with a few birds and learn as you go.

It is best not to let a new sitter have eggs until you are sure she means business. Give her two or three eggs for a couple of days and see if she is a sticker.

Where the Incubator May Fail.

[Prize Letter.]

Mr. Editor—Although the incubator is not yet perfect it is a great time and money saver. To buy an incubator just because it is cheap is very poor policy. With ordinary care and a fair supply of common sense one can hatch chickens in a machine with far less worry and loss than with hens. One sometimes hears the statement that machine hatched stock is not as strong and vigorous as chicks hatched by the hen method. I consider this bosh. There are those people who are everlastingly fussing around the machine, tampering with this and that, and trying to improve on the instructions. This is one cause of weak hatches and often no hatches at all. I have known people who made a failure of it every time but only their makeup and disposition was to blame.

Monticello, Mo. J. H. Hanly.

Good Start For the New Brood.

[Prize Letter.]

Mr. Editor—When I hatch with a machine I do not disturb the eggs from the time they begin to pip until a third or a half of them are hatched. Then I open the incubator and quickly remove all that are out. I take them out because I believe they cause the other eggs to roll and this may be responsible for the failure of some chicks to get out of the shell. The chicks are put into a box with warm cloth under them and covered. I keep them in the house until all are hatched, then let them out of the box several times a day for exercise. One must be very careful at this time not to get them chilled.

When the chicks are 48 to 60 hours old I give them their first feed which is prepared chick food. I think this is cheap feeding when one considers the importance of giving the chicks a good start. As soon as possible I put them in a warm brooder and watch them carefully until they learn to go into the brooder when cold. This brooder is in a small house which has a floor covered with fine cut straw. Here the chicks get plenty of exercise in scratch-

ing for food. Fed little and often, they have to work for what they get.

I gradually change from the chick food to corn chop and bran mixed, also cracked Kafir and wheat with plenty of skim milk. At 3 weeks old I give them all of this feed they will clean up three times a day. As soon as they weigh from 1 1/4 to 1 1/2 pounds I shut up all the young roosters and cull pullets and fatten them for market. In this way I get rid of my surplus stock while the market is good and by August 1 there is nothing left except pullets for eggs and breeding stock, and enough roosters for home use. This stock that is to be held over is usually fed once a day, just enough to get them well matured by fall. I don't believe there is any time that it pays to let hens rustle all their living except in case of small flocks on farms where there is a lot of waste for them to pick up. If the pullets do not go into winter well matured they will not lay until next spring.

Lenora, Kan. Mrs. Ed. Cutting.

Rearing Indian Runner Ducks.

[Prize Letter.]

Mr. Editor—We find it is not necessary to have expensive quarters for raising ducks. They will do just as well in cheaply constructed houses with hay or straw to roost on. We raise the fawn and white Indian Runner ducks and find them to be the best layers. In mating our pens we allow five ducks to one drake. By feeding for eggs one can have the Indian Runners lay at any season of the year. We usually start ours to laying March 1. In choosing the breeding pen one should select the very choicest birds, those with long bodies, erect carriage, slim neck and small head. The markings should be distinct. The lines where fawn and white should be straight not broken.

We feed the laying ducks a mash made up of 2 parts bran, 1 part shorts, 1 part corn chop, and 1/2 part beef scrap. This is fed three times a day, 1 quart to each six birds at a feed. They also have oyster shells, sand, and clean drinking water before them constantly.

The Indian Runners are unusually healthy. They are not subject to roup, bowel trouble or cholera. Lice and mites do not bother them and there is no need of powdering ducklings, oiling roosts, etc. By keeping birds from laying in winter they will produce stronger germed eggs. These in turn will produce strong, healthy ducklings which means half the raising.

We have had the best success with ducklings by feeding dry oat flakes the first week. After that I give them small amounts of corn chop and bran moistened with water, but not made sloppy. I give them only what they will eat up clean each time. A little sand is given with the feed. Ducklings should not be allowed to paddle in water in cool weather. Take a deep pie tin, fill it with small rocks, and put their drinking water in this. The rocks keep them from getting wet.

Mrs. D. A. Pryor.

Fredonia, Kan.

Commissions for Loans Too High.

Mr. Editor—I have been reading of the new plan for insurance in the Mail and Breeze. I think it would be a benefit to the farmer and laboring class. There are several European countries having such insurance. As Mr. Fay says the insurance company and the loan company work as a two-edged sword. Would it not give some relief if the legislature passed a law restricting the loan company to 2 per cent cash at time of loan, not 2 per cent for five years as now charged? Some states, I believe, have such a law. For example: A farmer borrows \$1,000 on 40 acres of land at 5 per cent. The loan company receives 2 per cent or \$20 more than the borrower would pay at the straight 5 per cent yearly.

Holton, Kan.

A Self Raising Gate.

"What makes it raise?" is the question asked when one first sees the Self Raising Gate being put out by The Peerless Wire Fence Co., 271 Mich. St., Adrian, Mich. A perfectly natural question as there are no springs or levers to make it raise. The raise is accomplished by the unique construction of the frame and the tension in the filling. The principle is simple, at the same time it is entirely efficient, making a gate free from toggle that is liable to give out and one that will always work and do good service.



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Some of the Devices Used Mail and Breeze Poultry Farm's Equipment

BY REESE V. HICKS, Director of Experiments
President American Poultry Association

Editor's Note.—In previous issues have appeared brief accounts of the Egg Laying Contest which the Mail and Breeze in conjunction with its sister publication, Poultry Culture, is conducting in order to get at the bed rock facts. There has been so much to describe about the building and equipment of a poultry farm, and space has been so limited that the accounts of this contest have not yet overtaken the actual work. It might be stated for the benefit of the poultry enthusiasts that the contest is now well under way. (The account which follows was written some three weeks ago.) The details will all be published in due time, together with a complete account of the methods, breeds and systems used in getting first hand poultry facts for Mail and Breeze readers.

THE various flocks are now on the grounds for the experimental work at the Mail and Breeze Poultry Experimental Farm. Some of the birds were delayed in arriving. It also requires a few days to get them properly mated and get the pens arranged and down to working order for the experiment.

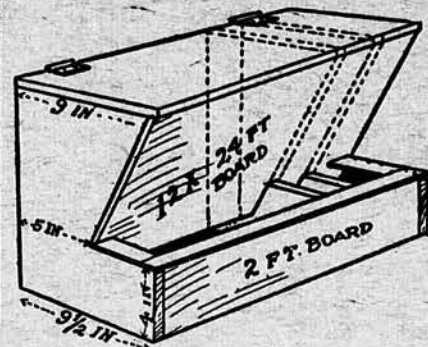


Reese V. Hicks.

The first week after the pens arrive they are all being fed on the same feed so as to get them in uniform condition before being put on the test. This feed for the first week, which will go to all alike, will consist in the morning of equal parts corn, wheat, oats, and Kafir corn. At 4 o'clock in the afternoon they will be fed all the white corn they will eat up clean. A mash consisting of equal parts of wheat bran, corn chop and low grade flour, with 5 per cent each of oil meal and beef scrap will be before them in hoppers. Cracked bone and grit will also be before them all the time. A feed of turnips will be given them once a day. A basket full of alfalfa leaves will be put in each pen at the beginning of the week. The grain is fed in the straw on the house floor. Rye straw was used. It is too stiff and many of the fowls do not care

to scratch in it, so wheat straw will be substituted.

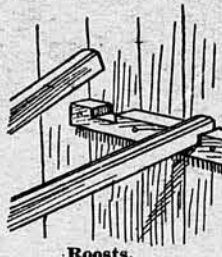
The appliances in use at the Mail and Breeze Poultry Experimental Farm ex-



Homemade Sectional Hopper.

cept in the case of the water fountain, are all made right on the farm.

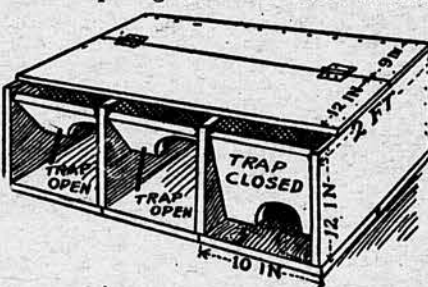
The roosts in each pen are 5 feet long and are made of 2 by 2 material. Two



Roosts.

edges are smoothed off. There are two of these roosts in each pen. A 1 by 3 piece is nailed on each wall and in this are cut notches. The roosts fit snugly down into the notches so that each roost can be lifted up and cleaned at any time and then replaced without any unhooking or unfastening of bolts or screws. The first roost is 1 foot from the rear wall and the second is a foot from its mate. They are 18 inches off the ground floor.

The trapnests in use are built in a battery of three each. The top is made of a 12 and 9 inch board, thus leaving a 3 inch opening in front. The 12 inch



Battery of Trap Nests Used.

board on top is hinged to the 9 inch board in the rear so as to open back and remove the hen and egg. Each nest is 10 inches wide by 12 inches high and 24 inches deep or long. The bottom is two 12 by 36 boards. These trapnests are set facing toward the water fountain and feed hopper but across the pen from them. The rear end is open and is set about 2 inches from the wall so as to let in light at the rear and encourage the hen to go into the nest. The trap to catch the hen is extremely simple. It is made of one-half inch lumber and is 12 inches long, being hung slightly below the top of the box and having a slight angle to the rear. A curved section is cut out of the bottom of this swinging top. Under the end of this curved section a small stick 7 to 10 inches high, according to the size of the hens that use it, is placed. The hen as she enters pushes this stick down and the "trap" rests on her back until she gets entirely in, then it drops down. Should she attempt to back out after the trap has been sprung, the curved part of the "trap" will catch her and encourage her to go on into the nest. After she has laid, she will come to the front of the nest and try to get out at the light end. She should be removed shortly after laying and the number of her band entered on the record card, and the trap reset for the next hen.

The hopper is designed to feed either grain or dry feed but on the Mail and Breeze Poultry Experimental Plant will be used for dry mash feeding altogether, as the grain will be fed in the scratching litter in the majority of the pens. The triangular end pieces are 9 inches wide at the top and 5 inches wide at the

bottom and 8 1/2 inches high. The front is 12 inches by 24 inches. The rear is the same size. The front board being placed at an angle, makes an inch opening at the bottom and thus gives a throat for the feed to work out. The narrow front piece is 4 by 24 inches. The two narrow side pieces are 4 by 9 1/2 inches and go below the triangular board. The bottom board is 9 by 24 inches. A 1 1/2 by 3/4 is nailed around the top edge of the feed trough so as to hang over 3/4 inch and thus make a lip around the edge of the trough to prevent the fowls pulling out the grain. Two compartments, 2 inches wide, one for grit and one for bone or oyster shell, are cut off at the right hand end. This leaves the main hopper for mash feed 18 inches long. This hopper will hold one-half bushel of grain or mash feed. The top is hinged on from the rear.

Simple Care But the Eggs Came.

Mr. Editor—We have a small chicken house with a large window on the south and a door in the east side. The house is located in a grove and the door and window are never closed. The floor is covered with clean straw once a week. In the morning I give the flock about a gallon of warm, sweet milk and a warm bran mash. They have boxes of grit and occasionally I give them a feed of fine alfalfa hay. This with corn at night is all the feed they get. I have 50 hens and they are absolutely healthy. Through February they averaged 19 to 25 eggs a day.

Mrs. A. B. Hawkins.

Harper, Kan.

Peroxide Good in Roup.

[Prize Letter.]

Mr. Editor—This is the time of year roup is found in many flocks. The best remedy for this disease I ever tried is hydrogen peroxide, which is obtainable at any drugstore. I dilute it with water the same as if I were taking it for sore throat, then give each fowl afflicted with it a teaspoonful twice daily. I have never had to give more than 3 teaspoonsful to cure a case. If eyes are swollen I rub them with carbolyzed vaseline. The sick birds are shut up by themselves and a preventive used in the drinking water for the rest of the flock. This is permanganate of potash and just enough is put in the water to color it.

Mrs. W. J. Asmussen.

R. 3, Independence, Kan.

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Save Your Chicks

We can help you. Send us names and addresses of (10) poultry friends and receive our revised 32 page book on "White Diarrhea, the Greatest Foe to Chick Life." This book makes Poultry Profits Possible; gives care and feeding of chicks and Turkeys; also cause and guaranteed cure for bowel trouble. Above book FREE postpaid for the names. Write today. F. K. REMEDY CO., 740 Second St., Arkansas City, Kansas.

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April 5th Issue

Farmers Mail and Breeze

will be a Supplementary Poultry Number. And it will make sales for advertisers.

SOME 1913 LETTERS.

Please discontinue my poultry ad as I am sold out. Your paper sure did the biz. I got inquiries galore from Oklahoma.—E. L. M. Benfer, Leona, Kan., February 21, 1913.

Please stop my cockerel ad at once as I have got more orders than I can fill. Your paper sure does the work.—O. M. Lewis, Holsington, Kan.

Through your ad I succeeded in disposing of all my surplus stock and will use your columns again when I have anything to sell.—Mrs. Whitney, Fairview, Kan., March 7, 1913.

Please do not print my ad any more. Am all sold out long ago.—A. D. Morrison, Iola, Kan., February 26, 1913.

Please discontinue my ads in your paper for B. P. Rocks and M. B. turkeys. Am entirely sold out. Could have sold more.—H. E. Bachelder, Fredonia, Kan.

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140 Chick Brooder

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R. C. R. I. RED eggs. Mating list free. G. D. Willems, Inman, Kan.

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

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ROSE COMB RED eggs. \$6.00 100. Chicks. Mrs. Abbie Rlenjets, Pratt, Kan.

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

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

ROSE COMB REDS. Eggs, \$1 for 15, \$5 per 100. Mrs. Viola Lumb, Manhattan, Kan.

ROSE COMB RHODE ISLAND RED eggs. 75c, \$1.00 15. Frank Tuttle, Chanute, Kan.

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

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

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GOOD dark R. C. Red eggs. 75c for 15, \$4.50 a 100. Mrs. Florence Puckett, Garrison, Kan.

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

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

ROSE COMB REDS. Winners. Eggs \$1.00, \$1.50 per 15. Chix \$1.15 to \$2.5. Mrs. Alta Murphy, Luray, Kan.

ROSE COMB RED eggs from my winners. Illustrated catalogue free. F. A. Rehkopf, Route 7, Topeka, Kan.

FINE SINGLE COMB red eggs from heavy laying strain, 75 cts. per 15. \$4.00 per 100. O. C. Duprey, Clyde, Kan.

ROSE COMB REDS. High scoring. Eggs 75c per 15; \$3.50 per 100. H. P. Thomas, Route 3, Emporia, Kan.

SINGLE COMB REDS. Fertile eggs from prize winners. Prices low. William Edwards, Westphalia, Kan.

BABY CHICKS—This is an age of specialists and ours is the day-old chick. "Chick Book" telling all about us sent free on request. Seth H. Leach, 4336 Bellevue Ave., Kansas City, Mo.

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

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X-RAY DAYLIGHT EGG TESTER can detect an infertile egg after 36 hours' incubation. No dark room; no artificial light. With or without sunshine. Sent postpaid to any address for \$1.50. Satisfaction or money refunded. Agents wanted. **MRS. DON WILLS, MIAMI, OKLAHOMA.**

Raising Chicks by Stove Heat.
[Prize Letter.]

Mr. Editor—Our way of taking care of early chicks is to fix up a room, cover the floor with cheap oilcloth or linoleum and put a base burner stove in it. We hatch the chicks in incubators, and raise them with hens, if the hens will sit. If not, the chicks are simply kept in boxes. On warm days the chicks are taken outside but are always brought in at night and the boxes arranged around the base burner. When the weather is bad and the chicks must be kept indoors we find it much better to turn them loose in the room.

We have tried brooders but could never raise the strong, healthy chicks we have grown since using a stove. A base burner will cost very little more than a couple of good brooders and will take care of many more chicks.

R. W. Baldwin.
R. 2, Conway, Kan.

B. D. Storms, Teriton, Okla., sends \$1 to renew his subscription for one year and says: "I want to ask you to excuse me for my delay in renewing for we would be at a loss without the Mail and Breeze. We find in it a world of good and interesting reading."

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RHODE ISLAND REDS.
SINGLE COMB RED eggs, 100 \$4. Lorenzo Reed, Kanopolis, Kan.

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

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

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ROSE COMB REDS. Best winter layers. Quality stock. \$4.00 per 100. \$1.00 per 17. Mrs. Walter Shepherd, Woodward, Okla.

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SINGLE COMB RED eggs from well culled range, \$3 100; choice pen \$2 15. Bourbon turkey eggs \$3 setting. W. P. McFall, Pratt, Kan.

STANDARD BRED REDS, both combs. Good show record. Eggs, \$1.50 to \$8.00. Mating list free. T. N. Marshall, La Cygne, Kan.

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

ROSE COMB Rhode Island Reds. Bred to win; bred to lay. Stock and eggs for sale. Write for our free mating list. Toal & Toal, Cedar Vale, Kan.

R. C. RHODE ISLAND REDS—Best winter layers. Eggs from high scoring stock \$1.00 per 15, \$5.00 per 100. Mrs. A. J. Nicholson, Manhattan, Kan.

RHODE ISLAND RED eggs of quality, winners of five 1st prizes at the Kansas State show. Get my prices before buying. A. M. Butler, Wichita, Kan.

FOR SALE—Rose Comb Rhode Island Red eggs from fancy prize winning matings red to the skin. The best. Also fifty pullets cheap. J. A. Wells, Erie, Kan.

SINGLE COMB Rhode Island Reds exclusively. 15 eggs 75c, 100 \$3.50. Baby chicks 10c each. J. B. Scott, R. R. 1, Colony, Kan. Formerly located at Gas, Kan.

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

R. C. R. I. REDS. Large, heavy boned, laying strain. Eggs, 15 \$1.25, 30 \$2.25, 100 \$6.00. From selected high scoring stock only. Mrs. G. W. Berry, R. 1, Topeka, Kan.

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

ROSE COMB RED eggs. From pens headed by \$10.00 to \$30.00 roosters. 15 eggs \$1.50, 30 \$2.50, 50 \$4.00, and 100 \$7.50. Good range flock \$4.00 per 100. W. R. Huston, Americus, Kan.

FOR SALE—Hatching eggs and baby chicks; Blue Ribbon strain. Single Comb Rhode Island Red. Order now to insure delivery. C. W. Murphy, 1751 New Hampshire St., Lawrence, Kan.

SEARL'S ROYAL REDS won, Kansas State Shows, 1910-1912, 4 firsts, 4 seconds, 4 thirds, 2 fourths, 1 fifth, 2 club cups best display. Cockercels and eggs. Lulu H. Searl, Waldron, Kan. Former address Caney.

ROSE COMB REDS, all yearling hens, Miller and New Combs strain. Free range. 45 eggs \$2.25, 100 \$4.00. Guaranteed 80 per cent fertile. James A. Harris, Latham, Kan., Box 65.

SINGLE COMB RHODE ISLAND REDS. Winners at Kansas State and other shows. Eggs 7 to \$3.00 per 15, \$4.00 per 100. Fertility guaranteed. Catalog free. Karl Spellman, New Albany, Kan.

ROSE COMB REDS. Choice scored pen. Headed by high scoring 9 lb. cock bird. Eggs, 15 for \$1.50. From farm range flock, 15 for 75 cts, \$4.50 hundred, during season. Mrs. G. C. Talbott, Route 4, Opaga, Kan.

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

Reliable Poultry Breeders

DUCKS.
BLUE SWEDISH ducks. Eggs \$2.50 per setting. F. J. Pechanec, Timken, Kan.

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INDIAN RUNNERS, fawn and white. Eggs \$1.00 per 15. Baby ducks 25c each. J. W. Fretz, Bosworth, Mo.

INDIAN RUNNER ducks and White Cochins Bantams. Catalogue. Harry E. Duncan, Humboldt, Kan.

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

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

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WHITE WYANDOTTES. Eggs for hatching, \$5.00 per 100. Mrs. John Long, Melvern, Kan.

PARTRIDGE WYANDOTTE eggs, 15 for \$1.50, 100 for \$5.00. T. F. Pine, Lawrence, Kan.

WHITE WYANDOTTES. Farm range. Eggs, fifteen \$1.00, 100 \$5.00. Mary Scott, Chase, Kan.

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

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PRIZE WINNING Crystal White Orpingtons. Utility eggs \$1, hundred \$5.50. First pen \$3, second pen \$2. Eggs been hatching 100 per cent. Baby chicks. Order direct or write Mrs. Gertie Racus, Parsons, Kans.

WHITE ORPINGTON eggs from stock direct from Kellerstrass \$30 mating at \$1.50 per 15 eggs or \$8 per hundred. Cockerels \$1.50 each. Mammoth Bronze turkey eggs \$3 per eleven. Excellent stock. Maud E. Lundin, Columbus, Kan.

CRYSTAL WHITE ORPINGTON eggs direct from Kellerstrass pens, mated and scored by Jas. Swan, Kellerstrass' superintendent, who is now buying these eggs. To advertise our stock, \$3.00 per setting. You would pay Kellerstrass \$30.00 for no better. Walnut Lodge Farm, Route 7, Olathe, Kan.

TURKEYS.

CHOICE M. B. TURKEY toms. Vira Bailey, Kinsley, Kan.

MAMMOTH White Holland turkey eggs, \$2.50 per 11. Mrs. Ada Poindexter, Medicine Lodge, Kan.

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

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

EGGS. White Holland turkey 20c each. W. C. geese 15c each. Buff Orpingtons 10c each. C. A. Hasenyaer, Bern, Kan.

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

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

MINORCAS.

S. C. B. MINORCA eggs for sale. Mrs. Hallren, Utopia, Kan.

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

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

S. C. WHITE MINORCA eggs; choice matings \$1.75, utility \$1.25 per 15. Mrs. J. I. Bower, 488 Wabash Ave., Topeka, Kan.

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

SINGLE COMB BLACK MINORCA eggs for sale, \$1.00 per 15. Also a few cockerels \$1.00 each. Range raised. Samuel Mitsch, Woodbine, Kan., Box 38.

LIGHT BRAHMAS.

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

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

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

SPANISH.

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

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

BUFF COCHINS.

FOR SALE—Buff Cochins of quality. Send for mating catalog. J. C. Baughman, Topeka, Kan.

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

HAMBURGS.

SILVER SPANGLED Hamburg eggs. Chas. Gresham, Bucklin, Kan.

SILVER SPANGLED Hamburgs, fine cockerels, eggs and baby chicks. Mrs. Geo. Church, Burlington, Colo.

Reliable Poultry Breeders**PLYMOUTH ROCKS.**

PURE BARRED ROCK eggs, \$1.50 per 15. W. J. Rye, Albany, Mo.

FINE WHITE ROCK eggs, 50, 100, \$3.00; Gussie Myer, R. 1, Ponca, Okla.

BARRED ROCK eggs 15, \$1.00; \$5.00 per 100. Bertha Evans, Lyons, Kan.

BUFF ROCK eggs from prize winners. Mrs. W. A. White, Uniontown, Kan.

BARRED ROCK eggs, choice stock, 30 each. Wm. Speelman, Marysville, Kan.

PURE BRED Barred Plymouth Rock eggs \$1.50 per 15. Fred Warren, Todd, Okla.

BUFF ROCK eggs \$1 per setting, \$5 per hundred. William Small, Wilson, Kan.

JOHN CROFTON, the Buff Rock man, Dorchester, Neb., sells 100 eggs for \$4.50.

BARRED ROCK eggs, \$1.00 per 15, \$4.00 per 100. Wm. Brucker, Jamestown, Kan.

BUFF ROCK eggs from weathers, layers, layers. Mrs. Lloyd Clark, Hazelton, Kan.

QUALITY WHITE ROCKS. Eggs for hatching. J. A. Kauffman, Abilene, Kans.

BUFF ROCK eggs from good quality stock. Mrs. Perry Myers, Fredonia, Kan.

SHELLEY BROS. pullet line. Eggs, 15 \$1.50, 60 \$5.00. Oscar Daub, Elmdale, Kan.

GOOD COLORED Buff Rock cockerels now \$1.00. Mrs. M. Downen, Fontana, Kan.

BUFF PLYMOUTH ROCK eggs, four dollars hundred. Thos. Moore, Osage City, Kan.

WHITE ROCKS. Fishel strain. Eggs, 15 \$1.25, 100 \$5.00. Mrs. Frank Powell, Buffalo, Kan.

BEST EGGS for hatching, Barred Rocks, \$5 per 100. Mrs. Albert Goheen, Manhattan, Kan.

BARRED ROCKS exclusively. Eggs, 100 \$4.50, 30 \$1.75. Catherine Beightel, Holton, Kan.

BARRED ROCK eggs \$4.00 per hundred. Fine large birds. Chas. Cornelius, Blackwell, Okla.

WHITE ROCKS. Free range. Eggs, 15 75c; 100 \$3.00. H. F. Richter, Hillsboro, Kan., R. 3.

PURE BRED Barred Rock eggs \$1.00 setting, \$4.00 100. Wm. C. Mueller, Hanover, Kan., R. 4.

BARRED ROCK eggs from prize winning stock, \$1.50 per 15. J. K. Searles, Farmington, Kan.

BARRED PLYMOUTH ROCK eggs, 100 \$4.00. Setting 75c. Mrs. Julia Keim, Scranton, Kan.

FANCY BARRED ROCK eggs, mated pens, \$1.50 to \$2.50 per setting. M. P. Thelen, Russell, Kan.

WHITE ROCK cockerels and eggs. Fine, pure white. Write W. J. Lewis, Lock Box 153, Lebo, Kan.

BARRED ROCKS, prize winners. Eggs, \$1 for 15, \$5 per 100. E. O. McKinney, Lafontaine, Kan.

PRIZE WINNING White Rocks. Sixteen eggs \$1.00, delivered by parcels post. Lillie York, Lowrey, Okla.

BUFF ROCK eggs from first prize winners, \$1.50 per 15, \$6 per 100. E. L. Stephens, Garden City, Kan.

BLUE BARRED ROCK eggs; prices reasonable, considering quality. Write Milton Delih, Lawrence, Kan.

PURE BRED Barred Plymouth Rocks exclusively. Eggs, 15 75c, 100 \$3.50. S. B. Shaw, R. 3, Goff, Kan.

BARRED ROCK eggs from prize winner strain, \$1.50 setting. Cockerels \$2.50. Clark Smith, Claremore, Okla.

BARRED PLYMOUTH ROCK eggs \$1 per 15, \$5 per 100. Farm raised. Eliza Thomas, Silver Lake, Kan.

FOR SALE—Pure White Rock eggs. Price 15 for \$1.50, 100 \$5.00. Ida Baugh, Kincaid, Kan., Route 2.

PURE BRED White Plymouth Rocks. Beauties. Eggs for hatching. Mrs. Elmer Lane, Burlington, Kan.

BUFF ROCKS—Eggs for hatching \$1.00 per setting. Mrs. S. H. Hendrickson, Okeene, Okla., R. F. D. No. 1.

WHITE PLYMOUTH ROCKS—Eggs from show winners \$1.50 per 15, 100 \$5.00. W. H. Beaver, St. John, Kan.

BUFF PLYMOUTH ROCKS—Eggs and baby chicks at reasonable prices. Mrs. Fred Miller, Wakefield, Kan.

EXTRA FINE White Rock eggs for sale setting \$1 or \$5.00 100. Mrs. W. H. Foster, Garnett, Kan., R. No. 2.

BARRED ROCKS—Eggs \$1.00 15, \$2.50 50. Scored stock \$2.00 15. Mrs. A. M. Markley, Mound City, Kan.

WARRENBURG'S Barred Rocks. Eggs, 15 \$1.00, 100 \$12. Quality makes price. O. Warrenburg, Centralia, Kan.

PURE BRED BARRED ROCKS exclusively. Eggs for hatching, 15 \$1.00, 100 \$5.00. Mrs. C. E. Moore, Horton, Kan.

BARRED ROCK eggs, 15 \$1.00, 50 \$2.50, 100 \$4.00. From pens \$3.00 and \$1.50 per 15. Mrs. C. N. Bailey, Lyndon, Kan.

BUFF ROCK eggs. Three pens selected hens and pullets. Fine ch's. one direct from Poley. Pen eggs as they come \$2.00 per 15. Range flock \$1.00 per 15, \$5.00 per 100. Herbert H. Smith, Smith Center, Kan.

Reliable Poultry Breeders**PLYMOUTH ROCKS.**

IVORY WHITE ROCK eggs from special mating, \$3.00 15. Grand farm flock, \$5.00 100. Minnie Clark, Haven, Kan.

BIG TYPE BARRED ROCKS. Thirty-five years' scientific breeding. Eggs and stock. A. H. Duff, Larned, Kan.

WHITE PLYMOUTH ROCKS. Great prize winners. Eggs reasonable. Write for prices. Sidney Schmidt, Chillicothe, Mo.

IVORY WHITE ROCKS. 1st prize winners. Eggs 1st pen \$2.50, utility \$1.00 per 15. Herman Steckel, Woodbine, Kan.

PURE BRED WHITE ROCKS. Farm range. Eggs, 15 \$1.25, 100 \$4.00. Satisfaction guaranteed. G. M. Kretz, Clifton, Kan.

BARRED ROCK EGGS. Utility stock. Fifteen \$1, fifty \$2.25, one-hundred \$4. A. D. Morrison, Route 2, Iola, Kan.

BIRD BROS. Partridge Plymouth Rock cockerels greatest winners on earth at \$2 each. C. O. Crebbs, Stafford, Kan.

PURE BRED BARRED ROCKS; farm raised. Eggs, 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.

FRED HALL'S Barred Rocks have won 60 premiums in 1912 and 1913. Eggs \$2.50 and \$1.50 per 15. Lone Wolf, Okla.

WHITE ROCK eggs from birds scoring 93 to 96 1/2 points, by Alherton. 15 \$2.00, 30 for \$3.00. W. T. Blackwell, Quinter, Kan.

WHITE ROCK EGGS, best strains, extra layers, \$1 for setting, \$5 per one hundred. Mrs. E. E. Williams, Sabetha, Kan.

PARTRIDGE ROCKS—Winners 18 ribbons Oklahoma, Enid, Caldwell. Eggs \$2, \$3, 15. D. G. Dawson, Hennessey, Okla.

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EGGS—Buff and Partridge Rocks. Great winter laying strain. Prices and quality right. W. F. Alden, Ellsworth, Kan.

WHITE ROCKS EXCLUSIVELY—Bred 12 years. Eggs well packed \$1.00 per 15 \$5.00 per 100. S. M. Chestnut, Holton, Kan.

BARRED ROCKS. Blue Jacket Ringlets laying strain. Eggs for hatching, pen and utility. Mrs. P. A. Pettis, Wathena, Kan.

BARRED ROCKS, large type, bred for winter laying. Eggs, \$1.00 per 15, \$5.00 100. Rosa M. Shreckengast, Kaw City, Okla.

EGGS from Thompson's Imperial "Ringlets" at very reasonable prices. Also baby chicks. W. F. Wright, Spirit Lake, Iowa.

MAMMOTH Snow White Rocks. Bred 10 years from world's best strains. Egg circular free. Charles Vories, Wathena, Kan.

BUFF ROCK eggs by parcel post from quality stock at reasonable prices. Write today. William A. Hess, Humboldt, Kan.

THOMPSON'S "Ringlet" Barred Rocks. Best layers, finely barred. Fifteen eggs \$1, 100 for \$5. Tracy's, Conway Springs, Kan.

PURE BRED BARRED ROCKS exclusively. Eggs \$1.00 per 15, \$4.00 per 100. Safe arrival guaranteed. C. E. Romary, Olivet, Kan.

WHITE ROCKS exclusively. Eggs from my three special matings, containing prize winners \$1.50 per 15. Frank Lott, Danville, Kan.

WHITE IVORY ROCKS. Two pens mated from prize winners past season. Settings reasonable. A. F. Holmgren, Lincolnville, Kan.

BARRED ROCKS—Weigher-layer. 103 premiums. Eggs \$1.00 15, \$5.00 100. Special matings \$3.00 15, \$5.00 30. W. Opfer, Clay Center, Kan.

WHITE ROCK eggs from best mating, \$1.50 per 15, \$5.00 per 100. "Fishel strain." Satisfaction guaranteed. Mrs. Wm. Lemkull, Fairfield, Neb.

FOR SALE—Day-old chicks, pure bred Barred Rocks, 15 cents each. Mixed Leghorn or R. I. Reds 10 cents. Violet Hunt, Burlingame, Kan.

WHITE ROCKS only for 16 years; large flock. Can fill large orders promptly. \$1.00 per 15, \$4.00 per 100 eggs. Josias Lambert, Smith Center, Kansas.

WRIGHT'S real quality Buff Rock eggs one-half price during March and April. Write for catalog and mating list. W. H. Wright, Lebanon, Kan.

PLYMOUTH ROCKS that are Barred. State Show winners. Both matings. Eggs \$2.50 per 15 up. Write for mating list. C. V. LaDow, Fredonia, Kan.

THOMPSON'S "Ringlet" Barred Rocks, great layers, finely barred. Fifteen eggs one dollar; one hundred, five dollars. Tracy's, Conway Springs, Kan.

BUFF ROCKS exclusively for eleven years. Eggs from high scoring pens, \$3 per fifteen, \$5 per thirty. Farm range, \$3.75 per hundred, \$2 per fifty. Mrs. Homer Davis, Walton, Kan.

FOR SALE. Buff Rock eggs. Write for prices. Pens 2 and 3, selected females, headed by fine male birds direct from Shoemaker's stock, Freeport, Ill. W. A. Tawney, Ogallah, Kan.

PARTRIDGE PLYMOUTH ROCK stock and eggs for sale. Prize winner of Chicago, St. Louis, Mo., Detroit, Boston and many other places. All farm raised. Paul Lafromboise, Mt. Pleasant, Mich.

WHITE ROCKS. Pure white, big boned, farm raised. Pullet at \$1.50 to \$2.00. Eggs at \$1.00 for 15, \$5.00 a hundred. Baby chicks 15 to 20 cents each. Good laying strain; prize winners. B. E. Miller, Newton, Kan.

Reliable Poultry Breeders**PLYMOUTH ROCKS.**

BARRED ROCKS—Fine birds chosen especially for color and size. 15 eggs for \$1.00. C. D. McIlree, Lorraine, Kan. Member Kansas Poultry Federation.

STANDARD BRED Rocks. Single Comb Barred Rocks. Bred for utility. Eggs 15, \$1.00; 50, \$3.00; 100, \$5.00. 12 years a breeder. E. B. Dorman, Paola, Kan.

BUFF P. ROCKS. Eggs from prize winners, high scoring birds, won silver cup for best pen in American class. Write for special price. J. S. Humphrey, Pratt, Kan.

SHELLEY BROS.' BARRED ROCKS won 82 premiums, 35 firsts, specials and sweepstakes, at Kansas' largest shows. Eggs, 15 \$3.00, 30 \$5.00. Circular free. Elmdale, Kan.

LANGSHANS.

BLACK LANGSHAN eggs, \$1 per 15, \$5.00 100. J. Stulp, Hartford, Kan.

WHITE LANGSHAN eggs, \$1.00 per 15. Wm. Wischmeier, Mayetta, Kan.

BLACK LANGSHAN eggs for hatching. C. C. Cunningham, Kinnard, Neb.

PURE BLACK LANGSHANS. 15 eggs \$1, 100 \$5. Mary McCaul, Elk City, Kansas.

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

PURE BLACK LANGSHAN cockerels. Fine birds. Pleasant View Farm, John Boite, Axtell, Kan.

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

KLUSMIRE'S Ideal Black Langshans. Eggs from choice matings. Write for prices. Geo. Klusmire, Holton, Kan.

BLACK LANGSHAN eggs for sale from stock that scores from 94 to 97; line bred. James Bruce, Arnett, Okla.

BLK. AND WHITE LANGSHAN. Choice mating eggs \$3.00 15; range flock, \$6.00 100. H. M. Palmer, Florence, Kan.

BLACK LANGSHAN eggs. Yard 1, \$2.00 for 15; yard 2, \$1.50; yard 3, \$1.00 or \$3.00 for 50. W. S. L. Davis, Nickerson, Kan.

BLACK LANGSHAN, Houdan cockerels two fifty to five dollars each. Write for mating list. E. D. Hartzell, Rossville, Kan.

BLACK LANGSHAN eggs from high scoring stock, \$1.50 per setting, \$5.00 per 100. Geo. W. Shearer, Elmhurst Farm, Lawrence, Kan.

BUFF AND BLACK LANGSHAN eggs \$2.00 15, \$6.00 100. Positively no better Langshans in America. John Lovette, Mullinville, Kan.

TENNEHOLM LANGSHANS. The big, black kind. Eggs, \$1.50 per 15, \$2.50 per 30. A few good cockerels left. Mrs. E. S. Myers, Chanute, Kan.

BLACK LANGSHANS. Prize winners, 36 ribbons in five shows. Eggs pen 1 and 2 \$2.50. Pen 3 \$1.50. Baby chicks for sale. W. L. Bush, Osage City, Kan.

ANCONAS.

MOTTLED ANCONAS exclusively. Eggs, 15 \$1.00, 100 \$5.00. Lucie House, Haven, Kan.

ANCONAS pay because they lay. Dr. Fred Jones, Girard, Kan.

MOTTLED ANCONAS. Eggs, 15 for 75c or \$5.00 per hundred. Mrs. W. H. Hoskinson, Vinland, Kan.

S. C. MOTTLED ANCONA eggs, 100 \$5.00, 50 \$3.00, 15 \$1.00. O. L. Burnett, Council Grove, Kan.

PRIZE WINNING Mottled Anconas. Eggs and baby chicks. Circular. W. Hardman, Frankfort, Kan.

13 YEARS a breeder of Anconas from best imported and domestic strains. Eggs. Adaline Gosler, Matfield Green, Kan.

HOUDANS.

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

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GOLDEN SEABRIGHT BANTAM eggs from prize winning stock, 50c per 13. Mrs. B. A. Stevens, Vinland, Kan.

SEVERAL VARIETIES.

STOCK, EGGS, BABY CHICKS. Leading varieties. Circular free. K. I. Miller, Box B, Lancaster, Mo.

BLUE ANDALUSIAN and R. C. Rhode Island Red eggs, \$1.50 and \$1.00 for 15. Marilla Officer, Hillsdale, Kan.

BREEDER AND JUDGE of all land and water fowls. Terms and catalog free. C. W. Brehm, Route 4, Harvard, Neb.

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

EGGS! EGGS! EGGS!—From Brd. Ply. and W. F. B. S. chickens, \$1.50 per setting. Satisfaction guaranteed. Gus H. Brune, Lawrence, Kan.

BRED TO LAY, vigorous, farm raised, thoroughbred Barred Rocks and Single Comb Reds. Eggs \$1.00 setting; guaranteed. Reese Van Sant, Belmont Farm, Topeka, Kan.

Reliable Poultry Breeders**SEVERAL VARIETIES.**

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BLACK AND WHITE Orpingtons, Indian Runner Ducks. Eggs one dollar a setting. F. Kremer, Manchester, Okla.

SINGLE COMB White and Buff Leghorns, White Wyandottes, Buff Rocks. Eggs 15 \$1.00, \$5.00 100. Buff Wyandottes \$2.00 15. V. M. Davis, Winfield, Kan., Route No. 2.

WHITE WYANDOTTES, white Langshans, eggs. High scoring stock \$2 setting. Wyandotte cockerels. Mrs. Howard Erhart, Independence, Kan.

E. F. HODNETTE, Austin, Texas, breeder of Runner ducks and Brown Leghorn chicks, the greatest laying fowls known. Birds that lay are the kind that pay. Eggs \$1.00 per setting.

EGGS FOR SALE from America's two best laying strains, Blanchard and Wyckoff direct. \$5 a 100. Strains separate; matings fine. Mrs. Elsie Thompson, R. No. 6, Manokato, Kan.

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INDIAN RUNNER ducks, American Standard, Fawn and White, white egg strain. Bourbon turkeys. Single Comb Brown Leghorns. Eggs for sale. Mrs. Elmer McGinnis, Blackwell, Okla.

THE LINWOOD POULTRY FARM, Ewing, Mo., offers eggs for hatching from prize winners. Single Comb White Leghorns, Single Comb Rhode Island Reds and Indian Runner ducks. Also breeder of American fox hounds and Engl. bloodhounds. Joseph Keller, prop.

WHEN better poultry is had we will have them. Eggs from Rhode Island Reds, Barred Rocks, Buff Orpingtons, White Wyandottes, Brown Leghorns, White Leghorns and Indian Runner ducks. Write for catalog. Everman & Everman, Gallatin, Mo., R. No. 6.

SUNNY DELL, Farms purebred poultry eggs. S. C. R. I. Reds, big bone, red to skin, \$1.00 15, \$5.00 100. S. C. B. Leghorns. Excellent layers, \$1.00 15, \$4.00 150. Bourbon Red Turkeys, extra fine color, big, hardy and gentle, \$3.00 12. Mrs. T. I. Wooddall, Fall River, Kans.

POLAND CHINA pigs (the big, easy keeping kind), \$8.00 each, \$15.00 a pair (not related). Eggs for hatching, Rouen ducks, Barred Rocks, and Brown Leghorns (best egg laying strains). Strictly pure-bred stock. Eggs \$1.50 per 15, \$2.75 per 30. The Hillside Farm, St. Peter, Minn.

EGGS from choice stock, Silver Spangled Hamburgs, S. C. White Leghorns, White Rocks, Partridge Cochins, Partridge Rocks and Houdans. Some fine Partridge Rock stock for sale. Cockerels and pullets. Write, Eggs \$2.00 per fifteen. Lloyd's Poultry Yards, 702 B West, Hutchinson, Kan.

HATCHING EGGS from A-1 stock of Buff and Barred Rocks, S. C. B. Leghorns, Indian Runner ducks, at \$1.50 per 15. M. B. turkeys \$3 per 7 or \$5 per 15. Write for prices on incubator lots. Exhibition Buff Rocks \$5 per 15. Houchin Ranch, Poultry Dept., Isabel, Kan.

BARRED AND WHITE Plymouth Rock eggs. From special mated pens \$1.50 per 15, \$6.00 per 100. White Rock range flock \$1.00 per 15, \$4.00 per 100. Also large Pekin duck eggs at \$1.50 per 10. \$2.00 per 15. My poultry has never failed to get a good share of blue ribbons wherever shown. F. C. Swiercinsky, Belleville, Kan.

THE LINWOOD Poultry Farm, Ewing, Mo., offers eggs for hatching from blue ribbon winners. S. C. W. Leghorns, S. C. R. I. Reds and Indian Runner ducks. I guarantee fertility and eggs from pens ordered. Send for free catalogue; also breeder of English blood hounds, American fox hounds and Duroc-Jersey hogs. Joseph Keller, prop.

EGGS, 63c a dozen! You can get premium prices in any market if you'll read "Poultryology" and learn how Yesterday Egg Farms produce and market their eggs. 144 pages—70 pictures. Get one now! Edition limited. Year's subscription to Standard and Poultry World free. Yesterday Egg Farms, Dept. 40, Pacific, Mo.

EGGS S. C. Black Orpingtons, \$2 per 15; S. C. White Orpingtons \$1.50 per 15; S. C. R. Island Reds \$1.50 per 15; White Crested Black Polish \$2 per 15; R. C. Silver Spangled Hamburg \$2 per 15; R. C. Partridge Wyandottes \$2 per 15; Pearl White Guinea \$2 per 15. Shipping station LeRoy, Postoffice Neosho Falls, Kan. J. L. Carmean.

BARRED ROCKS. Our birds again demonstrated their high quality at this season's shows. Very best laying strains. Pens mated for the coming season. Send for descriptive circular. Pen eggs \$3 per 15. Utility eggs \$4 per 100. C. C. LINDAMOOD, WALTON, KANSAS.

White Orpington and Indian Runner Ducks

Eggs \$6 per hundred. Turkey and Geese eggs \$1.75 per setting. We breed all leading varieties of Standard Poultry. Plymouth Rocks are our leaders. Stock of highest quality at let live prices. Write for descriptive circular. Address W. F. HOLCOMB, Mgr. Nebraska Poultry Co., Clay Center, Neb.

Cook's Barred Rocks

My last exhibit at Topeka in Jan., 1911, I won 1st, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th. CHAS. J. CO

MARKET PROBABILITIES

Cattle Market Averaging Slightly Lower and Buyers Are Using Various Pretexts to Hold Down Prices—Hogs Have Reached \$9 in Spite of Packers' Fight—Grain Showing Strength, Hay Weaker

[Written Specially for the Farmers Mail and Breeze.]

The tornado of Sunday night that had its worst effect on Omaha, cut that market off from outside communications today. The other four markets received more cattle, hogs and sheep than the five markets did a week ago. Cattle prices were quoted weak to 10 cents lower. Trade was dull in all lines, and buyers were under orders to lower cost. The cattle market has a family feud of three factions. Proposed tariff revision is the elder brother, and scarcity of cattle, and high prices for beef are the younger members involved. There has never been a preceding instance of proposed tariff revision when the cattle market has not been affected and the coming session of congress will prove no exception. The packers are trying to magnify the importance of tariff revision, whether justly or unjustly, and at present the action on their part is more like a straw to a drowning man, than that based on well established facts. There is a worldwide shortage in cattle. Continental Europe is eating horse flesh, cats and dogs, as a substitute for beef. South America has fallen down on cattle supply and Argentina is in the grip of a quarantine for the foot and mouth disease. American beef is too high for foreign countries and so high that demand has been greatly restricted within its own borders. South America and Canada are the only countries that can produce cattle, comparable in quality in any number to the State's cattle, and importations of frozen beef in large quantities is an improbability. This time the consumer and killer are more concerned over tariff reduction than the grower. There is strong evidence that the country is trying to get back in the breeding game, but the high prices for young stock are a terrible drag against the industry. To all appearances old man demand is going to live longer than the rest of his obstreperous family, and cattle feeders and growers have seen their hardest days.

An Unsettled Cattle Market.

The cattle market last week became unsettled. Monday there was a sharp reduction in receipts at the five Western markets, Chicago and Omaha the two points disturbed the worst by the blizzard of the preceding week showed the greatest contraction in supplies. Prices bounded up 10 to 15 cents. On Tuesday, the market began to weaken, and on Wednesday was 10 to 15 cents lower, and by Friday was 15 to 40 cents under Monday, or weak to 25 cents lower compared with the close of the preceding week. After Tuesday packers were very noisy in making claims of a slump in Eastern beef demand. Low prices increased the demand for eggs to the curtailment of beef, but there was no noticeable reduction in beef prices to stimulate demand. The depression in prices of cattle therefore was rather arbitrary, and unless supplies are more liberal next week there will be a general rebound in the market. Unsettled weather west of the Mississippi, and North of the Missouri river, together with unseasonably low temperatures since Thursday, will tend to reduce the movement of cattle next week.

Quarantine Record at \$8.80.

The only new record made in cattle last week was \$8.80 for steers from below the quarantine line, and heifers at \$8.25. The steers averaged 1064 pounds, two carloads and 76 heifers averaged 519 pounds. They were marketed by H. B. Johnson, Chickasha, Okla., and had been fed corn and cotton seed meal. The previous high record for steers from the quarantine area \$8.65, was paid in June, 1912.

Prevailing Steer Prices.

The bulk of the good native steers last week sold at \$8.25 to \$9. In Chicago the top price was \$9.25, and other markets reported tops up to \$9 and few above \$8.55. Some of the plain beef steers brought \$7.75 to \$8.20. Rough heavy steers were discriminated against and came in for the full decline. Tidy weight steers were ruling favorites. Some beef pulp steers sold at \$8.25 to \$8.60, and hay feds brought \$7.75 to \$8.45. The top price for Oklahoma steers was \$8.95. Some prime, tidy weight yearling steers would bring a good figure in the next two weeks.

Plain Butcher Cattle Lower.

In keeping with declines on the medium and rough steers prices for the same classes of cows and heifers were reduced 15 to 25 cents. Trade was rather dull. The better classes, especially light weight heifers held steady and were in active demand. Heifers are quoted at \$5.50 to \$8.60, and cows \$4 to \$8, few below \$5. Early in the week calves were up 50 cents, but later part of the advance was lost. There was an active demand for bulls at \$4.50 to \$7.50.

Feeder Trade Weakened Some.

Demand for stockers and feeders at markets weakened some, and prices were

down 15 to 25 cents. In the country an active demand was reported with prices holding up to the high levels. Some selected strong weight feeders sold at \$8.50, and the top price for stockers was \$8.25. Practically no steers are selling below \$7. Stock cows are quoted at \$4.75 to \$6.50, stock heifers \$5.25 to \$7.25, stock calves \$6 to \$8 and milch cows \$35 to \$90 a head.

Fluctuations in Hog Prices.

Hog prices were quoted strong to 5 cents higher the first of the week. The top price in Chicago and St. Louis was \$9.20, Kansas City, \$9, and St. Joseph, \$8.95.

The best packers could do with the hog market this week was to move prices down and up and close them with a net advance for the week. There was no well defined movement either way, and packers are showing a disposition to fight the nine cent quotation as much as they did the \$8 kind a month ago. Monday and Tuesday receipts were greatly reduced on account of the storm of the preceding week, and prices bounded up 10 to 15 cents to new high levels for the year. The top reached in St. Louis was \$9.35, Chicago \$9.30, and other markets \$9 to \$9.05. In the next two days the market weakened 15 to 20 cents, and in the past two days firmed up again moving back to nearly the high level. The one peculiar feature of the market is that stags are selling higher than any class of heavy hogs. A good many sold at \$9, when full loads of smooth barrows made a nickel less. The 80 pound dockage that stands against stags, a gift of that much weight to the buyer has placed stags at a premium.

No Important Change in Sheep.

Sheep prices last week kept within a narrow range and closed the week about net unchanged. Demand for mutton has lagged somewhat, and at times that gave the trade a weakened tone, but sufficient reduction was made in receipts at important times to keep prices steady. Packers are counting on an early run of southern lambs to help out the late winter feeding crop, but even at that future supplies will not be excessive. The Colorado and Northwest movement has been interrupted by the recent storm conditions and the corn belt has been marketing sheep freely. The prevailing prices for lambs are \$8 to \$9, and sheep \$6 to \$7.

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	30,725	36,275	37,625
Chicago	40,100	127,000	66,100
Omaha	14,800	45,100	27,100
St. Louis	10,250	39,600	14,100
St. Joseph	7,325	23,600	8,100
Total	103,200	270,575	153,025
Preceding week	124,450	330,500	198,200
Year ago	110,180	312,300	204,900

The following table shows receipts on cattle, hogs and sheep at the five western markets, Monday, March 24, together with totals a week ago, and a year ago:

	Cattle	Hogs	Sheep
Kansas City	9,000	6,000	7,000
Chicago	23,000	40,000	24,000
Omaha	No reports.		
St. Louis	1,800	9,500	1,850
St. Joseph	1,200	4,500	4,000
Totals	35,000	60,000	36,850
A week ago	28,800	43,600	31,500
A year ago	38,770	98,500	69,500

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

	Cattle	Hogs	Sheep
Per 100 lbs. 1913 1912			
Chicago ..	\$9.15 \$8.75	\$9.20 \$7.55	\$7.25 \$6.80
Kan. City ..	8.90 8.40	9.00 7.55	7.55 6.50

The Horse and Mule Market.

Demand for horses improved last week. A strong inquiry for the medium to fair classes came from the cotton belt and farm areas, and that was the point at which demand was weakest in the preceding week. Choice farm mares and heavy drafters for the Eastern trade continue in active demand. Prices are firm. Demand for mules was rather quiet though prices were unchanged.

Grain Stronger; Hay Weak.

Hay prices were weak the first of the week. Wheat was 1/2 cent up, and corn 1/4 to 1/2 cents higher. Light receipts stimulated grain demand.

Friday was a general holiday in the grain markets and Saturday the market did not much more than come to rights for a fresh start next week. Trade in corn was more active than other cereals, but at that there was nothing brisk. The excellent condition of fall sown wheat, and the liberal farm reserves con-

tinue to check demand. Prairie and low grade alfalfa hay was lowered moderately. General trade was dull.

The following prices prevail for grain in Kansas City and St. Louis.

	Kansas City	St. Louis
Wheat—		
Hard No. 2....	86 1/2 @ .87 1/2	89 1/4 @ .90
Soft No. 2....	1.01 @ 1.07	1.07 1/4 @ 1.09
Corn—		
White No. 2....	51 @ .51 1/2	53 1/4 @ .54
Mixed corn....	49 @ .50 1/2	52 1/4 @ .53
Oats—		
No. 2 white....	35 @ .35 1/2	35 @ .35 1/2
No. 2 mixed....	33 @ .33 1/2	33 @ .33 1/2

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

	Wheat	Corn	Oats
1913 1912			
Chicago....	\$1.08 \$1.14	53 1/4 71	35 55 1/4
Kan. City....	1.07 1.10	53 73	35 55

Kansas City Hay Quotations.

Prairie, choice	\$10.25 @ 10.75
Prairie, No. 1.....	9.00 @ 9.75
Prairie, No. 2.....	7.00 @ 8.50
Prairie, No. 3.....	5.00 @ 6.50
Timothy, choice	12.50 @ 13.00
Timothy, No. 1.....	11.00 @ 12.00
Timothy, No. 2.....	8.00 @ 10.50
Timothy, No. 3.....	5.00 @ 7.50
Clover mixed, choice	12.00 @ 12.50
Clover mixed, No. 1.....	10.50 @ 11.50
Clover mixed, No. 2.....	8.50 @ 10.00
Clover, choice	11.00 @ 12.00
Clover, No. 1.....	9.50 @ 10.50
Clover, No. 2.....	7.00 @ 9.00
Alfalfa, fancy	17.00 @ 18.00
Alfalfa, choice	15.50 @ 16.50
Alfalfa, No. 1.....	13.50 @ 15.00
Alfalfa, No. 2.....	10.50 @ 13.00
Alfalfa, No. 3.....	6.50 @ 10.00
Straw	4.00 @ 4.50
Packing hay	4.50 @ 5.00

Seeds.

Kafir corn, No. 2 white, 80 1/2 c a cwt.; No. 3 white 80 c a cwt.; alfalfa 30 1/2 c a cwt.; flaxseed 1.05 a bushel; timothy 1.50 @ 1.75 a bushel; cane seed 55c @ 90; millet seed 1 @ 1.30.

Broom Corn Market Dull.

Trade in broomcorn is still restricted by weather conditions. Growers have been unable in many localities to reach market and buyers have shown no anxiety on account of the delay. Only a few loads of medium corn arrived at the principal markets last week. Choice, green, selfworking corn is quoted at \$4 to \$9 a ton; fair to choice selfworking \$40 to \$75 a ton; common to fair \$20 to \$35.

Livestock in St. Louis.

The cattle market last week made a vigorous start with a 10 to 15 cents higher market, but later slowed down and closed with a slight net loss. The good to choice steers offered sold at \$8.50 to \$9, and other native steers from \$7.50 up. Cows brought \$4.50 to \$8, heifers \$5 to \$8.50, calves \$5 to \$11. Texas and Indian steers are quoted at \$5.50 to \$8.75, and Texas and Indian heifers \$4 to \$7.75.

The local market scored the highest prices of the season early in the week, top reaching \$9.35, and the bulk of the hogs showing \$9 or better. Later prices fell back 10 to 15 cents. The top price Saturday was \$9.20, and bulk \$8.90 to \$9.15. Few sheep were offered last week, and prices show no important net change. Demand has been fairly active. Lambs are quoted at \$8 to \$9, yearlings \$6.75 to \$8, and muttons \$5 to \$7.

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	201,069	157,853	43,216	.....
Hogs	625,143	713,609	.....	88,466
Sheep	154,816	212,777	.....	57,961
H. & M.	48,391	54,652	.....	6,261
Cars	16,801	16,606	195	.....

Livestock in St. Joseph.

The highest price of the season was paid for cattle last week when choice 1520 pound steers brought \$9.05. Later the market weakened 15 to 25 cents, though receipts continued light. Prime steers are quoted at \$8.75 to \$9, fair to good \$8 to \$8.70, common to fair \$7 to \$7.95. Butcher cattle were in active demand. Cows are quoted at \$4.50 to \$7.75, heifers \$5.25 to \$8.50, bulls \$4.50 to \$7.25, and calves \$5.50 to \$10.25.

The \$9 hogs were in the quotations early last week, but later the list fell below even money. The market closed strong again. The top price Saturday was \$8.95, and bulk \$8.75 to \$8.90. The sheep market about held its own this week and closed fairly active. Receipts were light. Lambs were quoted at \$7.75 to \$8.75, yearlings \$6.50 to \$7.50, ewes \$5.50 to \$6.50, and wethers \$6 to \$6.75.

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	195,519	112,801	.....	7,232
Hogs	411,403	558,383	.....	147,480
Sheep	192,964	177,024	15,940	.....
H. & M.	9,534	13,629	.....	4,095
Cars	10,895	12,714	.....	1,819

Livestock in Kansas City.

After making a 10 to 15 cent rise on Monday cattle prices weakened in the following days and closed the week with a 10 to 25 cent net loss. Receipts were irregular and the total supply was only about normal. The top price for native steers was \$9, and the bulk of the steers brought \$8.10 to \$8.75. On the quarantine side the top price was \$8.80, a new high record. Cows are quoted at \$4 to \$7.75, heifers \$5 to \$8.60, calves \$5 to \$10.25, bulls \$4 to \$7.25, stockers \$6.50 to \$8.25 and feeders \$7.25 to \$8.40.

Hog prices averaged the highest this year and closed the week 10 cents net

higher though under the high point of the week. Only five loads were offered today. They sold at \$8.77 1/2 to \$8.90, quality considered steady with Friday.

The following table shows the range in prices of hogs last week and in the preceding week:

	Last week	Preceding wk.
Monday	\$8.75 @ 9.05	\$8.50 @ 8.90
Tuesday	8.80 @ 9.05	8.40 @ 8.70
Wednesday	8.75 @ 9.05	8.35 @ 8.70
Thursday	8.65 @ 8.95	8.40 @ 8.85
Friday	8.65 @ 8.95	8.50 @ 8.90
Saturday	8.77 1/2 @ 8.90	8.60 @ 8.85

Sheep prices showed no important net change. Demand was stimulated at times by light receipts, but periods of dullness followed. Fat lambs are quoted at \$8 to \$8.75, yearlings \$7 to \$7.75, wethers \$6 to \$7, and ewes \$5.75 to \$6.65.

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	362,771	323,961	28,810	.....
Calves	20,980	19,169	1,811	.....
Hogs	579,371	735,185	.....	155,214
Sheep	432,337	483,604	.....	55,217
H. & M.	28,231	26,222	2,009	.....
Cars	24,893	24,104	.....	1,211

Butter, Eggs and Poultry.

Elgin, March 24.—Butter this week is firm at 34 cents.

Kansas City, March 24.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 16 @ 16 1/2 c a doz; seconds, 12 @ 13c; current receipts, \$4.70 @ 4.75 a case.

Butter—Creamery, extras, 33 @ 34c a lb.; firsts, 31 @ 32c; seconds, 30 @ 31c; packing stock, 22 1/2 c.

Live Poultry—Broilers, 26 @ 28c a lb.; spring chickens, 15 @ 16c; hens, 14 1/2 c; roosters, 8 1/2 @ 9c; young turkeys and turkey hens, 17 @ 18c; old toms, 14 @ 15c; cull turkeys, 7 @ 8c.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
1913 1912			
Chicago....	35 30	17 1/2 21 1/2	15 1/2 14
Kan. City....	34 28	15 1/2 20 1/2	14 1/2 12 1/2

Treat and Train Your Own Horses

Prof. Gleason's Big Book, Given Free To Mail and Breeze Readers, Shows How To Prevent and Cure Most All Livestock Diseases and How To Break, Tame and Train Wildest Horses.

This is an announcement that should interest every reader of the Mail and Breeze who owns a horse or livestock of any kind. Professor O. W. Gleason's great veterinary hand-book is admittedly the most authoritative work of the kind ever published. It contains more than 500 profusely illustrated pages dealing with the cause and cure of practically every disease known to horses, cattle, sheep, poultry, swine, and dogs, with tried out, proved remedies for each disease.

Realizing the need for knowledge such as this book contains we have purchased a large edition from the publishers and are going to distribute the entire lot on a very liberal and very attractive free gift offer among the readers of this paper.

It is impossible in this limited space to name even a very small part of the hundreds of subjects covered in this great book. Gleason's Veterinary Hand Book is based largely upon the works of Robert McClure, M. D., V. S., one of the most uniformly successful veterinarians this country has ever produced. The methods of treating diseases of horses and other domestic animals are based upon the result of actual practice, not mere theory as is the case with most veterinary books.

Among the many important chapters are Causes of Diseases, How to Observe Diseases, Treatment of Diseases, Cerebro-Spinal Meningitis, Distemper, Dysentery, Eye Diseases, Fistula, Glanders, Internal Diseases, Kidney Diseases, Poisons, Stomach Diseases, Bowel Diseases, Worms, etc., etc.

These are but a few of the hundreds of important subjects covered in Part One of this great book. Special chapters are devoted to the cause and cure of practically every disease known to all livestock.

Part Two contains Prof. Gleason's Famous System of Horse Breaking, Taming and Training. Gleason's marvelous skill in training and treating horses is known throughout the entire world and he is considered the world's greatest authority in this field.

By a special arrangement direct with the publishers we are able for a limited time to offer "Gleason's Horse Book" absolutely free—postage prepaid—to all who send \$1.00 to pay for a one-year new, renewal or extension subscription to our big farm weekly. Send your name and \$1.00 at once. MAIL AND BREEZE, Dept. H. B-200, Topeka, Kan.

Separate rooms for layers and hatcheries are always best.

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 other day I met a horse trotting along, and the blinders were flapping back and forth over his eyes at every step. Horses have nerves, the same as people; and blinders that flap must drive them frantic, though they can't say so.

Whatever we may think about the readers now being used in the schools, the children are learning to read quicker than they ever did before. In the Topeka schools children in the second grade are able to read a good part of the newspapers, and to read with understanding.

Whipped Cream Pie.

One cup pure sweet cream, $\frac{1}{2}$ cup sugar, and 1 teaspoon flavoring. Whip this till it becomes hard, then pour into a pie crust, which has already been baked. Set away till cold, and you will have one of the best pies you ever ate.

Beaver, Okla. Mrs. Ella Venable.

Meat Croquettes.

Make a white sauce using 3 tablespoons flour, 3 tablespoons butter and 1 cup milk. Remove from the fire and add cold ground meat. Season with salt and pepper, and spread on a plate to cool. Then shape with the hands, roll in crumbs, then in egg, and again with crumbs, and fry in deep fat.

Snowballs (A Dessert.)

Take $\frac{1}{2}$ cup butter, $2\frac{1}{4}$ cups flour, 1 cup sugar, $\frac{1}{2}$ cup milk, 1 rounding teaspoon baking powder, 4 eggs. Cream the butter and sugar, add the milk, then the flour and baking powder sifted together, then the egg whites beaten stiff. Steam in buttered cups 35 minutes. Serve with fruit preserve.

Mrs. Clara Vining.

R. 2, Larned, Kan.

Do You Make Cherry Pudding?

We have taken the Mail and Breeze for several years and think it a fine paper. I have received many useful recipes through it. Will the lady who sent in the "Cherry Pudding" recipe about a year ago please send it again? It will be very thankfully received, as I have lost the one I had.

Mrs. Walter Cox.

R. 1, Iola, Kan.

Vegetables an Ideal Food.

I was buying celery. The clerk told me that when he had rheumatism the doctor told his wife to make celery tea for him. She did so and he drank it with benefit. A physician says celery is the best nerve food there is. Cold slaw is said to be appetizing while "cooked cabbage has all the snap taken out of it and is a soggy mess well calculated to start up a private gas-producing plant right within one's own anatomy." Dr. Lee says the best food is vegetable, and Mrs. Rorer says the cheapest food is vegetable.

Topeka, Kan. Etha M. Brownlee.

Delicate Cake.

[Prize Recipe.]

Two-thirds cup of butter, $1\frac{1}{2}$ cups granulated sugar, 1 cup milk, $2\frac{1}{2}$ cups flour, 1 cup cornstarch, whites of 7 large eggs, 3 teaspoons good baking powder. Cream the sugar and butter together. Sift the flour and measure. Then add cornstarch and baking powder and sift twice more. Take the butter and sugar and add the milk and flour gradually folding all gently together. Lastly add the well beaten whites of the eggs, and bake in a moderate oven. Three cups of flour may be used, and no cornstarch. The only difference is that if the cornstarch is used the cake will be more tender. Any flavoring may be used. I prefer cocoanut. I take $\frac{1}{2}$ cup shredded cocoanut and add $\frac{1}{2}$ cup of the milk that I use in mixing the cake.

The milk and cocoanut is left to stand until I am ready to mix it, then it is added to the cake with the rest of the milk and folded together slowly. Letting the cocoanut soak in the milk brings out the flavor. This cake has taken first prize at both county and state fairs. It has been used in the family over 30 years.

Mrs. Helen Worthington.

Horton, Kan.

English Walnut Pie.

[Prize Recipe.]

First make your pie-crust by taking 1 teacupful of flour, 1-3 cup lard, 1-3 cup cold water and a little salt. Mix quite stiff, roll out and cover your pie tin, prick holes in it with a fork, then put in the oven and bake. Prepare the filling by mixing well together 1 cup granulated sugar and 1 tablespoon flour. Add 1 cup of sweet cream, butter half the size of an egg, and a teaspoonful of flavoring. Put this on the stove and cook till quite thick, stirring constantly to prevent burning. When done take off, stir in $\frac{1}{2}$ cup of chopped walnuts and pour into your baked crust. This recipe makes one pie.

Asherville, Kan. Maggie Collins.

Wash Day Dinner on the Farm.

[Prize Letter.]

As I am still enjoying the good things I see each week in the Mail and Breeze and profit so much by the Woman's Page, I will pass along my idea of an easy, good, and nourishing washday dinner, mostly prepared in the oven out of the way. We must have a nourishing dinner, as we nearly always have hands to cook for.

First we should have bread, pie or cake baked the day previous. Baked potatoes will require no paring. Navy or green beans can be cooked the day before. If it is navy beans add a little catsup and cooking molasses, a few slices of bacon, and set in the oven to bake. Or a dish of macaroni with cheese or tomatoes can be cooked in the oven, besides many escalloped dishes.

Bread pudding, rice pudding or custard can be cooked in the oven also, and these dishes are not only healthy but are easy to have on the farm. By using a little forethought and cooking a little extra

cold boiled ham or cold beef from yesterday will furnish the meat. About noon, if it is summer, go to the garden and get whatever may be in season, radishes, young onions, lettuce, or fresh tomatoes. On a trip to the cellar bring up the butter and cream. While dinner is cooking prepare the beverage, whatever the family likes. If cold tea, lemonade or milk, it can be prepared in the morning and put in the refrigerator; if hot drinks, it can be made on the back of the stove.

These suggestions can be used on a winter wash day as well as in summer by using pickles or some other relish instead of those mentioned. Recipes for most of these dishes will be found in the Mail and Breeze, if you have saved the women's pages. I have been saving them for some time, and find them quite as good as mother and more available, since she is so far away. When butchering time comes, canning, pickling, soap making, in fact the whole year round I am going through my helpful little collection of recipes from our home department pages in the good old Mail and Breeze.

Mrs. Robert Ragsdale.

Agra, Kan.

Try a Children's Party.

I have been an interested reader of the Women Folks department for some time. It is certainly a splendid page. It seems to grow better every week. I think sometimes we do not give enough attention to the social welfare of the children. I suggest giving a party for all the school children in the neighborhood, all other young people barred. Invite the parents to come with the children. Some of the older children will be able to come alone but the smaller ones will not. The parents can enjoy themselves in another room. They will be of many ages, as all that are of school age must be invited. The older children will make it interesting. Children are much more easily entertained than the grown-up young folks. Play anything you think they will like. You will enjoy it greatly besides having given the children a good time.

Lena Hasart.

R. 4, Fall River, Kan.

New Way to Make a Bag.

A very pretty workbag is made of ribbon of two colors, 2 yards of each color being necessary. Blue and white make pretty ones, or pink and green, if in the delicate shades. Sew A in the illustration to B, B to C, C to D, and D to

A. When completed you will have a pretty little bag with four corners up, as shown by the dotted lines. Just below the corners stitch tape and run a draw ribbon through from each side. The ribbon for bag should be from $4\frac{1}{2}$

to 6 inches wide. Or instead of the two kinds of ribbon make the bag of a flowered ribbon, all of one kind. Line the four upper points with a plain silk of the same shade as the flowers in the ribbon. When the bag is drawn up the points will open and fall back like the petals of a flower.

Mrs. A. D. Sears.

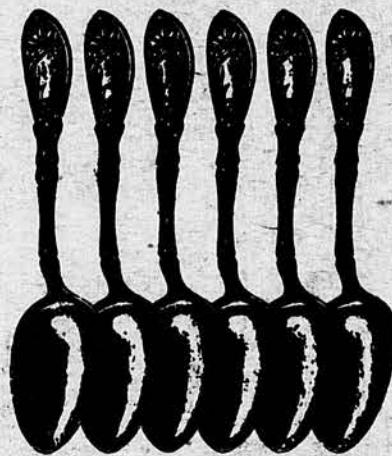
School Readers Poorly Chosen.

In last week's issue of Mail and Breeze I saw "Readers" letter in regard to the books used in our schools. I am another who is disgusted with the readers used. There is hardly anything but fairy tales in the readers used in Oklahoma. I am perhaps not educated enough to appreciate the moral, if there is any; in a good many I fail to find one. Can someone tell me the good to be found in "Alice in Wonderland"? Perhaps it develops a child's imagination; but for my part I think he is better off not to have it developed too much. Better read something that teaches honesty, cheerfulness and contentment, something that will keep them interested in things around them instead of imaginary beings and horrible imaginary pictures.

Disgusted Oklahoman.

SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated Narcissus Spoons made by the famous Oxford Silver Plate Co. Each spoon is extra heavy, full standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of



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

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



Warranted
10 Years!

Get full details of
this great offer today!

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

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

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

Local Demonstrators Wanted! No Canvassing! No Soliciting!

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

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

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

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

Capper Sewing Machine Club, TOPEKA, KANSAS

Dept. 48,

HOME DRESSMAKING

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



- 6137—Creeping Apron, 4 sizes, 1/2 to 3 yrs.
 6131—Ladies' Dress, 5 sizes, 34 to 42 inches bust measure.
 5767—Four-gore Skirt, closed at front, 5 sizes, 22 to 30 inches waist measure.
 5759—Ladies' Coat, 26-inch length, 6 sizes, 32 to 42 bust.
 6148—Child's Coat, 5 sizes, 2 to 10 yrs.
 6130—Infant's Diaper Drawers, one size.
 6091—Misses' and Small Women's Dress, closed at back, sizes 14, 16, 18 yrs.
 5981—Three-Gore Skirt, 5 sizes, 22 to 30 waist. Size 24 measures 2 yds. around lower edge.
 1543—Boys' Russian Suit, sizes 2, 4, 6 yrs.
 5995—Ladies' Shirtwaist, 6 sizes, 32 to 42 bust.

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.

Quilting on Sewing Machine.

[Prize Letter.]

Many women dislike to quilt on the machine for the reason that wrinkles are apt to be left. But I prefer quilting on the machine because the work can be done so much quicker; and with care the wrinkles may be avoided or thrown on the under side of the quilt. The quilt should be prepared as for the quilting frame, then pinned on one side and rolled up from the other side. I put my machine up close to a table and lay my quilt on the table. This keeps it

straight. Any design may be made. Quilting in checks does nicely for plain quilts; it may be either in squares or diamonds. One beautiful design which I have made by stitching first lengthways, then crossways, forming squares, then stitching in curves above the dimension of one square and below the dimension of the next one, across each way. This makes a flower-shaped figure with four petals, and these together form a circular figure. This design is also used in quilting bonnets. Quilting this way saves much time and useless labor.

Achilles, Kan.

Effie Hill.

Fine Points in Dressmaking.

[Prize Letter.]

Before cutting your goods lay it in dampened sheets from 12 to 24 hours to shrink, then press on the wrong side. When cutting two parts of a garment, as sleeves, always fold the goods with the two right or wrong sides together and cut both at the same time. This will prevent getting both for one side. Baste the goods and avoid stretching. It is well to sew around parts that are apt to stretch. When sewing in the sleeve put the sleeve seam at the middle of front curve in waist. To get the skirt an even length all round measure the distance of skirt from floor by a yardstick. Use a mirror placed conveniently to see the numbers on yardstick. Baste hems or facings carefully before stitching. When facing curves or points turn down a seam on both goods and facing, baste each turned seam, then baste the two together evenly and stitch for a neat finish. Measure all corresponding seams to get them exactly the same. Make pipings by cutting them 1/2 inch or more wide, place a cord in center and tack cord at one end; then fold the edges together, keeping cord in center, and baste edges of bias strip together. Many apparent defects in a garment may be removed by always pressing the garment after finishing.

Ramah, Colo.

Maud Roberts.

Makes Home Dressmaking Easy.

[Prize Letter.]

A bust form will be a great help to the woman who does her own dressmaking. To make one get 15 cents' worth of dental plaster, 2 yards of canton flannel, and a coat form such as can usually be bought at a drygoods store. Draw your corset a little tighter than you ordinarily wear it; then make a tight fitting waist of the canton flannel to come a little below the hips, with the fuzzy side out. Mix a little of the plaster with lukewarm water. While you still have the waist on have some one cover it with the plaster, applying it with a brush as you would paint. The plaster will "set" in 10 or 15 minutes; then cut the waist down the front, take it off, slip it onto the coat form and whip the cut edges together, then fill any hollow places with excelsior and straw. Sew cloth over the neck and arm holes and at the bottom, and apply another coat of plaster. Then take old cloth, very thin, and paste on as you would wall paper. When this is done you have an exact copy of yourself, and can "see yourself as other see you". You can fit your dresses over this form as easily as the dressmaker could fit them on yourself. The coat form has a hook and when in use can be hung in a door way. Or if the form is of wood it can be screwed to a board, then set on a solid foundation exactly your height. I took an old tin lard can and partly filled it with cement, and it is very solid. If hung by the hook it could hang in a closet out of the way when not in use.

Mrs. L. D. Hickman.

Wichita, Kan.

The Old Tablecloth Still Useful.

Often a tablecloth has a few holes in it when it is otherwise good. Out of one such tablecloth I made some dresser scarfs and a cloth for a small table. I hemstitched the dresser scarfs and cross-stitched on both ends, and hemmed the tablecloth. The little tot will be pleased to have an aviation cap for dolly. I made one. I took the heel of an old stocking, cut it out big enough for the doll, turned it over to make the brim and finished with feather stitching around the edge.

Clara Ingold.

Whitewater, Kan.

For Men, Women and Children

HONORBILT SHOES

Mayer Honorbilt Shoes lead in style, fit, comfort and wearing quality. It would be impossible to find shoes of equal style so dependable for wear. The choicest leather is used in making Honorbilt Shoes. They are built to last a long time and keep their shape to the end. Mayer Honorbilt Shoes are "built on honor."

If you want style and quality without extra cost, ask your dealer for Honorbilt Shoes. If not obtainable, write to us.

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

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

FREE—Send name of dealer who does not handle Mayer Honorbilt Shoes and we will send you free, postpaid, a beautiful picture of Martha or George Washington, size 15x20.

F. Mayer Boot & Shoe Co., Milwaukee.

22-Cal. HUNTING RIFLE GIVEN

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

M. A. SLOAN,

52 Epitome Building, SPENCER, INDIANA

Cooks Better Saves Fuel, Costs Less

Splendid Kalamazoo range—latest model—wonderful fuel-saver—at bottom prices. 30 days' trial—freight prepaid—cash or credit. We ship the day your order comes.

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and expenses easily made selling our modern line of family medicines, extracts, spices, soaps, perfumes, stock food, etc. - nearly 100 different articles in all.

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A Reliable Established Company, with a capital of \$200,000.00. No capital required. We furnish the goods on credit. You pay us after customers pay you. No experience necessary. We teach you the business. Position permanent. Exclusive territory. Only line of goods sold on a sanitary free trial plan. For full particulars, write at once to

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Clean Your Separator

Old Dutch Cleanser does the work in half the time. Does it far better too than soap and water. For the fine particles penetrate every little seam, removing milk stains and grease from the hard-to-get-at places. Cleans everything around the dairy quickly, thoroughly and hygienically. Saves work, worry, time and money.

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

Old Dutch Cleanser

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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.

HORSES, CATTLE, HOGS, SHEEP.

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

WANTED—Registered Holstein heifer calves. F. S. Holland, Westphalia, Kan.

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

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

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

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

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

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

FOR SALE—5 head of registered Percheron stallions. All blacks and fine individuals, ranging in age from one to four yrs. old and priced from \$175.00 to \$400.00. E. J. Wahlenmaier, Rt. 3, Arkansas City, Kan.

FOR SALE—1 Bay stallion wt. 950 lbs. 10 years old, known as Winsor Walnut. Been tracked. Has a low rec. 2:13 I am told. A money maker for some one. Reason, I am leaving the state. Address 274 Washington, Kan. Information as to pedigree can be had.

MULEFOOTED HOGS.

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

POULTRY.

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

DOGS.

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

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

TWO trained breeding collie bitches open for sale cheap. C. Holliday, Woodbine, Kan.

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

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

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

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

COLLIE puppies three months old. Sable and white male or female, now for \$5.00. First check or draft goes. Buff Rock eggs \$1.00. F. H. Barrington, Squirrel Creek, Colo.

SEEDS AND NURSERIES.

SEED CORN. Laptad Stock Farm, Lawrence, Kansas.

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

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

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

CHOICE hand threshed New Era cowpeas \$2.30 bushel. Fred Pacey, Miltonvale, Kan.

GERMAN Millet, High Grade. Write at once for price. L. E. Webb, Bloom, Kan.

BLACK HULLED WHITE KAFIR. High yielding. Early. Jeff Burt, Macksville, Kan.

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

DWARF straight neck milo heads \$2.00 per 100, sacked. Frank Franklin, Vinita, Okla.

SOY BEANS—Ebony variety. Write for samples and prices. B. Freeland, Dalton City, Ill.

FOR SALE—150 bu. alfalfa seed, 1912 crop, \$8 per bu. Sacks free. Crocker Bros., Matfield Green, Kan.

WHITE PEARL seed corn, choice, carefully selected and tested seed. W. A. Hunter, Manhattan, Kan.

SEED CORN—Iowa Gold Mine and White Cap; \$1.25 per bushel, sacks free. H. A. Hamilton, Yutan, Neb.

CATALPA trees for sale, one year old. Genuine Speciosa. \$4.00 per thousand. H. G. Adams, Maple Hill, Kan.

SEED SWEET POTATOES. Six best varieties. Also cantaloupe seed. Grown by E. H. Pixley, Wamego, Kan.

SEEDS AND NURSERIES.

WANTED—Alfalfa seed, 1 to 50, direct from grower, send sample, amount and price. Howard Irvin, Polo, Ill.

WHITE SWEET CLOVER seed 15 cents per pound F. O. B. Axtell, Kan. W. H. Connet, Dealer in Grain and Seed.

CHOICE Improved Blackhull White Kafir. Bushel or more, \$1.00 per bushel, sacked f. o. b. Ross Arthur, Buffalo, Kan.

HOME GROWN alfalfa seed, finest quality, in any quantities. Write for sample and prices. D. Badger, Eureka, Kan.

SEED OATS. New Kherson. Very early. Productive. Price very reasonable. Sample free. F. M. Riebel & Son, Arbela, Mo.

MAMMOTH black hulled White Kafir. Hand threshed. Selected for early maturity 17 years. J. G. Mitchell, Lafontaine, Kan.

NO. 1 alfalfa seed for sale. Free from weed seed. Price \$7.50 per bushel. Sample free, sack free. Wm. Littlefield, Belvue, Kansas.

KAY COUNTY Demonstration Farm, pure Blackhull White Kafir corn, re-cleaned and tested, \$2 per hundred. L. F. Carroll, Newkirk, Okla.

SWEET SEED Potatoes, large or small. Early Golden, Red Bermuda, Vineless. All in fine condition. Markham's Gardens, R. 7, Pittsburg, Kan.

IF YOU want pure Spanish peanuts for seed, get them from us. We have 12,000 bushels of selected seed, \$1.25 bushel, Comanche. Comanche Grain and Elevator Co., Comanche, Okla.

PURE SEED CORN. Hildreth Yellow, Kansas Sunflower Yellow, Boone Co. White, Commercial White, White Pearl, also Kafir. Write for free sample and circular. J. M. McCray, Manhattan, Kan.

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

FOR \$1 I will send you 8 apple, pear, peach, plum or cherry 2 yr. 4 to 6 ft. trees or 75 raspberry, blackberry or dewberry or 20 grape, gooseberry, currant or rhubarb, or 100 asparagus or 200 strawberry plants, or 25 Red cedar or other evergreens or 8 Rambler roses. Catalogue free. Nicholson Nursery, Manhattan, Kan.

FOR SALE—1,000 bushels Boone County White Seed corn. 200 bushels Hildreth's Yellow Dent Seed Corn. 50 bushels Black Hull White Kafir corn for seed. All guaranteed 95 per cent to germinate. All at \$1.00 per bushel shelled on board Cars, Humboldt, Kans. Cash with orders. Josiah Wood, Dealer in Hay, Grain and Seed corn a specialty.

LANDS.

A SNAP. 440 acres 2 miles from town, well improved \$35.00. Box 72, Spivey, Kan.

FAMOUS Boise valley ranches for sale by owner. \$75 and up. Krulish Bros., Meridian, Ida.

FOR SALE—Eight fine building lots adjoining college campus. Riley Ingraham, Manhattan, Kan.

FOR SALE OR TRADE—320—irrigatable valley land. Want live stock; other land considered. S. A. Crabb, Portales, New Mex.

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

IF YOU want to know about Ashley Co., Ark., send 10c in stamps for Hamburg Budget for 3 months. Ad. Budget, Hamburg, Ark.

RANCH FOR SALE. 1/2 sec. deeded, 1 sec. leased, 5 sec. applied for; nearly 600 sheep; everything on ranch very cheap. Wm. Keys, Lockney, New Mex.

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 SALE—275 acres wheat land 4 1/2 miles west of Holsington, 1 mile south of Boyd. 175 acres in cultivation, 10 acres alfalfa, well improved, all fenced. Price \$15,000. W. O. Smith, owner, Olmitz, Kan.

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

CANADA LAND. Write for our 32 page booklet containing 63 photographic views, and statistical and detailed information about our lands in east central Saskatchewan. It's free. The Welch Land Co., Winnipeg, Canada.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 200,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 40c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

GOVERNMENT FARMS FREE. Our 112-page book "Vacant Government Lands" describes every acre in every county in U. S. How secured free. Latest diagrams and tables. All about free government farms. Official 112-page book. Price, 25c postpaid. Webb Publishing Co., (Sta. K), St. Paul, Minn.

LANDS.

WRITE for new illustrated catalog of New York state farms located in St. Lawrence county, the leading dairy county of the United States. Russell, Real Estate, Ogdensburg, N. Y.

IF WE would give you a 40-acre farm free, along our line of railroad, would you be willing to tell your friends about our land opening? For particulars address Mr. J. B. Clark, Land Commissioner, Live Oak, Perry & Gulf Railroad Company, Box 136, Live Oak, Florida.

DO YOU want to pick up \$3,000.00? If so here is your chance. I traded for N. W. 1/4 sec. 16-29-10, Elk Co., Kan. My home is San Diego, Cal. Have no use for farm so will sacrifice on it. 8 mi. N. W. Howard. Good 6 room house. Poor barn. Other improvements good. 90 a. first class bottom land. 40 a. rough. 8 a. alfalfa, hog tight. Inexhaustible creek. Will take \$1,000.00. \$2,200.00 will handle it. Rented for 1/2 and \$40.00 for pasture. Rent will pay about 10%. Quit renting. Go see it. S. T. McIntosh, San Diego, Calif., Box 801.

FARM WANTED.

WILL BUY good farm. Well situated. Owners only. Give description and price. Addr. Coens, Box 754, Chicago.

FOR SALE OR TRADE for land, two barns, stock, auto, registered stallion and Mammoth Kentucky jack. Write for information. E. H. Billing, Burns, Kan.

WANTED TO LIST—Your farm, city property or merchandise in exchange for Grand Valley fruit lands and homes. Hustling agents co-operate. Harry E. Lunt, Palsade, Colorado.

FARMS WANTED. We have direct buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

FOR SALE.

LEAF TOBACCO to chew or smoke, 20 cents pound. True Cutler, Holt, Mo.

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

A CARLOAD of good hedge posts. 10 cts. each. F. O. B. Winfield, Col. Warren Russell, Odessa Farm, Winfield, Kan.

1,000 GALLONS of pure Ribbon cane syrup, 75c per gallon F. O. B. cars McDonald, Miss. Z. H. Kimbrough, R. No. 5, Philadelphia, Miss.

10 BEAUTIFUL post cards, suitable to send your best girl, 10 cts. The Heathwood Supply Co., 2022 N. 12th St., Kansas City, Kan.

FOR SALE—Three cars good, bright prairie hay. Eight dollars. F. O. B. Rock Island. Wilroods, Ford County, Kan., Elmer Riley.

FOR SALE—20 Horse Power Frick traction engine, also 5 gang plow—Oliver—almost new. Address Doctor, Care Mail and Breeze.

INVESTIGATE YORK kerosene tractors. Built the size you want instead of the size the builders want to sell you. S. B. Vaughan, Agent, Newton, Kansas.

PAYING 12c for hens. Selling fancy apples \$3.00 barrel, choice \$2.50. Seed sweet potatoes one dollar per bushel. Onions 75c. Onions 75c. Cope's Sales System, Topeka, Kan.

ONE MAN and team in a day can load from 50 to 75 loads of manure or dirt, no hand work, with an Anderson Loader. Something new. Write for circular. Anderson Manufacturing Co., Osage City, Kan.

FOR SALE on account of old age and sickness. A most beautiful block planted to high grade fruit trees now bearing. 1 block from city limits. 10,000 inhabitants. A snap. Address for particulars, F. J. Waldmann, Lawton, Okla.

FOR SALE—Good lively barn, situated in nice little town, doing a good business. All livery equipment such as carriages, buggies, harness and horses; 3 good jacks; 3 extra good registered stallions, all young; one of the best breeding locations in the state. Just the time of year almost here when the jacks and stallions alone will make from \$20 to \$60 per day. \$2,500 will handle it all, balance long time; or will take some extra good mules. Harvey Beeler, Emmett, Pottawatomie Co., Kansas.

FOR SALE OR EXCHANGE.

FOR SALE OR TRADE—Telephone plant, 500 phones. S. C. Holmes, Yates Center, Kan.

FOR SALE OR TRADE for cattle, mules or mares, 2 good jacks, 4 and 5 years old. Patrick McKiernan, Norwich, Kan.

FOR SALE or Exchange. Best irrigated alfalfa farms; Pecos Valley. Write me your wants. Brown, Dexter, N. M.

WANTED—Party with five or ten thousand dollars to invest in well established paying business. Good position goes with investment. Address Box 207, Chanute, Kan.

FOR SALE OR TRADE—Good threshing outfit and Model 16 Buick automobile 40 H. P. Also two lots in Dallas, S. D. Address Joseph Pizinger, Holsington, Kan., Barton Co.

FOR EXCHANGE.

WILL TRADE for a limited amount of Independent Harvester stock. S. B. Vaughan, Newton, Kan.

MODERN apartment building in steel district near Pittsburg. Want farm. N. Ruth-erford, owner, Findlay, Ohio.

HELP WANTED.

MEN AND WOMEN WANTED for government parcels post positions. \$90.00 month. Write for vacancy list. Franklin Institute, Dept. M 53, Rochester, N. Y.

MEN AND WOMEN WANTED for government parcels post and other government positions. \$90.00 month. Annual vacations. Short hours. Thousands of appointments coming. "Pull" unnecessary. Farmers eligible. Write immediately for free list of positions open. Franklin Institute, Dept. M 53, Rochester, N. Y.

MALE HELP WANTED.

RAILWAY MAIL CLERKS wanted. Examinations everywhere May 3rd. Sample questions free. Franklin Institute, Dept. M 53, Rochester, N. Y.

WANTED—Reliable men in every County to sell nursery stock. Liberal terms. Outfits free. Experience unnecessary. Write F. H. Stannard & Co., Ottawa, Kans.

WANTED—Railway mail clerks. Examination May 3. Splendid salaries. I conducted gov't exam's. Can help you pass. Trial lesson free. Write Ozment, 38, St. Louis.

SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas. Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

500 MEN 20 to 40 years old wanted at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address F. care of Mail and Breeze.

U. S. GOVERNMENT needs Railway Mail Clerks immediately to handle Parcels Post. \$90.00 month. Examinations everywhere May 3rd. Common education sufficient. Write for list of positions open. Franklin Institute, Dept. M60, Rochester, N. Y.

YOUR opportunity to learn salesmanship quickly. We want ten more good men to act as special representatives in the best territory in Oklahoma and Kansas. Will pay extraordinarily liberal commissions to start. Send one bank reference with application. Address, Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

AGENTS WANTED.

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.

\$4 A DAY SURE. Easy work with horse and buggy right where you live in handling our ironing and fluting machine. One agent says: "Made \$50 in 3 1/2 days." We pay \$75 a month and expenses; or commission. Pease Mfg. Co., Dept. L, Cincinnati, Ohio.

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.

PATENTS.

PATENTS secured. Ideas bring wealth. Prompt service. Personal attention. Harry Patton Co., McGill Bldg., Washington, D. C.

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

PATENTS THAT PAY. \$561,530 made by clients. Patent book—"What and How to Invent—Proof of Fortunes in Patents" free. 112-page guide. E. E. Vrooman, Pat. Att'y. 885 F St., Wash., D. C.

PETS—ANIMALS—BIRDS.

PHEASANTS, wild ducks, geese, swans, fancy pigeons, rabbits, peafowls, guinea pigs, ferrets, dogs, monkeys, Angora cats, foxes, mink, beaver, skunks, elk, deer, antelope, buffalo, pets, game birds, waterfowl and animals of all kinds. Illustrated catalog and price lists ten cents. Horne's Zoological Arena Co., Room 10, Kansas City, Mo.

TYPEWRITERS.

OLIVER VISIBLE TYPEWRITER for sale cheap. Perfect condition and does splendid writing. Could send on trial. Write to Charley Rickart, Route 5, Rosedale, Kan.

HOME AND MARKET CANNERS.

BEST Home and Market canners. All sizes. Latest methods. Cans and Labels. 1913 prices now ready. Address Royal Canner Company, 67 News Bldg., Chattanooga, Tenn.

Editorial News Notes.

"Kitselman Fence" is the title of a handsomely illustrated fence catalog issued by Kitselman Brothers, Box 52, Muncie, Ind. These people make fence of every description for every purpose and if any of Farmers Mail and Breeze readers contemplate purchasing fencing this spring they will do well to write to Kitselman Brothers for a copy of their catalog.

Fruit Book Free.

If you are in the market for trees, you should get your order for the stock you want placed at once. If you are planning to set out some fruit trees, get them in time to plant this spring and get the benefit of the growth they will make this season. Write today for the 1913 illustrated fruit book published by the Wichita Nursery, Box B, Wichita, Kan. They will send you this book free, also a price list of the trees they are offering for sale. This is a reliable firm and you can depend upon it that the trees they ship you will be good trees and true to name. Address the Wichita Nursery, Box B, Wichita, Kan., and mention Farmers Mail and Breeze.

Saves Hogs From Vermin.

Keeping hogs free from parasites that irritate them and cause skin diseases is more or less of a problem with all hog raisers. Everyone knows that dipping and spraying are very unsatisfactory processes. They not only involve time and labor but are sometimes harmful to hogs, to say nothing of the money cost. One of the several machines now on the market which aim to overcome these serious objections and keep the hogs free from vermin is the O. H. C. Hog Oiler. It is an iron post with automatic oil-feeding device which oils the hogs when they rub against it; and the oil means death to the vermin. It is a simple contrivance, operates automatically, uses crude oil which is the cheapest and best fluid for the purpose, and doesn't waste any of it. All that is necessary is to set the post up in your hog lot and the hogs will do the rest.

A New Book on Spraying.

The editor has just received a copy of the book on spraying entitled "Spraying a Profitable Investment." It contains such live matters of interest to every fruit and vegetable grower that he strongly recommends every grower sending for a copy without delay. It is an illustrated book having 128 pages, well worth reading carefully. It tells in an understandable manner the characteristics of the injurious insects describing them in their various stages while maturing so that everyone can easily recognize them. Then it indicates how and when they damage the fruit or vegetable, at the same time giving the latest proven methods of combatting them. It is equally as valuable to the inexperienced as it is to the experienced grower. All this information was compiled from data prepared by the largest and most expert growers throughout the country including noted entomologists connected with the various government experiment stations. This book is published by The Sherwin-Williams Co., No. 601 Canal Road, Cleveland, O., at a considerable ex-

LIGHTNING RODS.

ROD your own buildings. Any number of feet at wholesale prices. Harvey Kinzie, Hlawatha, Kan.

MISCELLANEOUS.

IMMERSION Doctrine Exploded! Latest book, 16c. Methodist Pastor, Batesburg, S. C.

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

HARNESS—Our harness is correctly made and prices right. Write for catalogue. Ed Klein, Lawrence, Kan.

TUITION may be paid out of earnings after course is completed. Dougherty's Business College, Topeka, Kan.

ALL MAKES safety razor blades, machine sharpened, better than new. Single edge blades 25c dozen, double 35c. Mail to Brunt Drug Co., Topeka.

BAD DEBTS COLLECTED everywhere on commission. Bank reference given. 24 years in this business, in this city. N. S. Martin & Co., Arkansas City, Kansas.

LOUISIANA pure sugar cane syrup. Put up at the mill in sealed pails. No glucose or any sulphur dioxide in our syrup. 12 one gallon pails for \$8.00. We pay all the freight. Mary & Tuma, Washington, Louisiana.

THE DISEASE that killed so many horses last year. Cause, prevention and cure. Cause will come again. Prepare to meet it. Satisfaction guaranteed. Send 25c for pamphlet to Dr. E. B. Mitchell, Sulphur Springs, Ark.

STOP THOSE HEAVES! Have you a horse you cannot sell on account of heaves? If so, let me send you Baird's Heave Remedy. Does not shut them down, but cures them. Absolutely guaranteed. Write for particulars. Baird Mfg. Co., Dept. 11, Purcell, Okla.

CALIFORNIA ROSE BEADS—The craze of the age; made from choice California rose petals; lasting fragrance. Special 19-inch necklace, \$1; selected hand-carved 40-inch chain, \$3; sample beads, plain, 2c; hand-carved, 8c. Robinson Co., Box 604, Los Angeles, Cal.

LEARN how to double your egg yield; how to mate and breed for best results; how to produce and market \$100 fowls. Get on the "big money" side of the poultry business. This is not a book-selling scheme. Full information free. Address R. V. HICKS, Dept. L, 801 Jackson-st., Topeka, Kan.

CHINAWARE direct from manufacturer to consumer. Send for our new plan of selling china direct to user. Chamber sets, toilet sets, dinner sets, breakfast sets, everything different from what you can buy at home and none but the best at a saving of from 1/4 to 1/2. Write today. W. Walsh, McKay Co., Dept. 11, 501 Pilgurd Building, Hartford, Conn.

pense. They have advised however, that copies will be distributed to the readers of Farmers Mail and Breeze magazine upon receipt of name and address plainly written on a post card. The editor recommends that you send for a copy immediately.

Saving the Hogs.

The hog situation has been very serious during the past season, especially throughout the Middle West. Nearly 50 million dollars worth of hogs were lost last year by disease, the greatest loss, both in dollars and percentage since 1896. And the destruction hasn't stopped yet. The Columbian Hog and Cattle Powder Co. of Kansas City, Mo., have an advertisement elsewhere in this issue, which deals with this subject and which is of the keenest interest to every farmer in the corn belt. This firm is one of the oldest and most successful in the stock powder business in the country. They have been in business continuously for over 27 years, and boast of many of the most prominent stockmen in the country as regular users of Columbian Stock Powders. This concern claims that all hogs have worms and that the worms really cause 90 per cent of all these hog losses—that even cholera never strikes a herd until it had first been weakened, debilitated and its powers to resist disease weakened by worms. Free your hogs of worms, they say, and your neighbors' hogs across the fence may die, supposedly of cholera and yours won't be touched, because they have the vigor to resist disease. They guarantee that Columbian Stock Powder will absolutely free all hogs of worms and save them from disease and death, and they offer to prove it by allowing any farmer to feed Columbian Powders for 90 days before paying for them. If you raise hogs, it will pay you to look up this ad and then write for a full statement of their proposition to the Columbian Hog & Cattle Powder Co., 1457 Genessee St., Kansas City, Mo.

Indestructible Incubators.

Incubators of today are greatly improved in every way over the machines that were on the market even a few years ago. They are more easily regulated, more economically operated and average a much higher percentage of chicks from the eggs. This is due to a better knowledge of how to distribute the heat more evenly and how to construct the machines so they will not be affected so easily by outside weather conditions. It is also interesting to note that some of the machines that are winning in the big hatching contests are extremely reasonable in price. For example, the Ironclad incubator made at Racine, Wis., has won in the great Missouri Valley Farmer and Nebraska Farm Journal contests for three successive years, 1910, 1911 and 1912, and what is especially noteworthy there were entered in each of these contests nearly 2,000 machines of nearly all makes and prices. The Ironclad incubator has not only proven to be a very efficient hatching outfit, but it is built so as to be practically indestructible. The body is made of genuine California redwood—the one wood least affected by heat, cold and dampness, then it is lined with asbestos to retain the greatest amount of heat. The outside covering of the machine is of galvanized iron which makes the incubator truly Ironclad and protects it against all possible damage from fire and water. In fact, this metal covering makes a machine that is practically indestructible. Ironclad incubators are fully equipped, with self-regulating hot water heat, copper boilers and tanks, thermometers, egg testers, in fact, are shipped complete and set up ready for use. In addition to the 140 egg Ironclad incubator, this company furnishes a 140 chick brooder with runway and scratch yard all for \$10 delivered freight paid to points east of the Rocky mountains. Our readers will do well to write the Ironclad Incubator Co., Box 68, Racine, Wis., and get a copy of their latest catalog.

What Breeders Are Doing.

Baker's Spring Pigs.

It is an old proverb that "the early bird gets the worm," and that means those in for the early orders for Poland Chinas from W. Z. Baker, Rich Hill, Mo., get the choice of his spring farrow. He has changed his ad in this paper as he has sold every sow he can possibly spare and now has his 1912 orders all filled. He will make his first spring shipment the last of May. This will mean the top of his February and March farrow. One can order in pairs or trios, if they wish, as they can get pigs sired by King Hadley, King John, King Blain 2d or Long John 2d. All of these boars are owned on the Maple Grove Stock Farm and have national reputations among Poland China breeders as producers or prize winners or both. If interested in Poland Chinas drop Mr. Baker a few lines, tell him what you want and when you want it. You will find him very accommodating and an honest, upright man.—E. R. D.

Johnston's April Sale.

For several years Roy Johnston of South Mound, Kan., has been promoting the Poland China interests. For purity of breeding, high finish and fine quality, his methods have been unexcelled. Breeding is his life study. In his six or seven years of experience, he has shipped, not only hogs, but the very best hogs to nearly every state in the Union and a few to foreign countries. In order to accommodate some of his older customers he will sell, in his April 3 sale, five sows bred to A Wonder of Longview 2d, a grand son of A Wonder, out of Lady Jumbo 51st; a few by Sterling Jumbo, by Peter Sterling, out of Lady Walt 3d, by Master Builder; and a few by Choice Goods, by Belleville Chief, by Grand Chief 3d, out of Sterling Lady, by Sterling Jumbo. The above breeding is the same as is selling at the extreme top prices in Iowa and Nebraska. These specials, in connection with his old reliable breeding, such as Orphan Chief, Dan Hadley, Johnston's Wonder, Big Quality, High Bail Look, Long Mike, Wonder Boy, Standard Wonder, Hodgson's Best, Young Champion, Mammoth Ex. and Big Hadley will give prospective buyers a great opportunity to get the most popular breeding of Kansas, Missouri, Iowa and Nebraska. Whether it be a whim or good, sound judgment, breeders will not invest much in Poland Chinas unless they represent the popular breeding of the present time. Mr. Johnston understands this and on April 3 is going to sell 45 head that trace to the greatest prize winners and to the highest sellers of today.—E. R. D.

LEARN HOW TO MAKE YOUR WASTE LAND EARN \$75 PER ACRE

NOT one year—but every year for the next fifty years and more to come—with a crop that needs practically no attention; that will grow under almost any condition; on land now an absolute expense to you. Make these waste acres go to work. Make them earn more than the best acres of the best section of your farm.

Plant Genuine Speciosa Catalpa

The best, surest and most profitable crop possible. Don't confuse **Genuine Speciosa Catalpa** with the ordinary scrub Catalpa. **Genuine Speciosa Catalpa** is as different from scrub Catalpa as night is from day—a healthy, fast growing, hard-wood timber. For posts, poles and railroad ties it has no equal. For cabinet work it is the equal and often superior to Oak or Mahogany. In furniture, vehicles, automobiles and general building lines, it is eagerly sought and given preference over most all other woods.

C. W. Deiker, Stafford County, Kan., planted five acres of **Genuine Speciosa Catalpa** eight years ago. Last year it netted him \$2,044.40, or more than \$408 per acre. J. W. Cassna, Argo, Kan., has a grove of five acres, which at five years netted him \$775 per acre.

Let me send you the printed experiences of hundreds of other substantial, successful farmers. You want to put your waste land to work. Start this season.

Every Tree Guaranteed True to Name!

This Wonderful New Peach Pays Before Others Bear!

HOTTER ELBERTA will prove the biggest profit maker you have ever grown. Three year trees in P. C. Price's Kansas Orchard bore over four bushels last year. Sold for double the price of common Elberta. Every tree loaded with huge delicious golden yellow peaches, overlaid with red. Send for the best offer ever made to fruit growers.

OUR GUARANTEE The MONCRIEF risk of trees proving untrue to name. For every Pedigreed tree that proves untrue to name, we will refund in cash, five dollars for every dollar you have paid for that variety.

Send For FREE BOOK Fully explains a wonderful common-sense system which authorities say "Will Revolutionize Fruit Growing." Send for your copy today.

Plant **Genuine Speciosa Catalpa**. You will be returned the largest profit, and the surest profit of any crop possible for you to grow—and from land that does not now even produce enough profit to meet the taxes. **JOE MONCRIEF, Pres.**

You Need This Book

"Profit in Catalpa Farming" is crammed full of information regarding **Genuine Speciosa Catalpa**. You need this book. Thousands of farmers everywhere are waiting for it. You want every acre of your farm to produce more profit. This book tells you how to do it, and gives you a whole lot of other money-making ideas. You can have a copy FREE for the asking.

Winfield Nursery Co.

275 Central Street, WINFIELD, KANSAS

STOP THE LUMBER LEAKS! LUMBER ECONOMY SERIES, No. 4

When it comes to nailing down the dollars, Mr. Farmer, you have the only absolute system. Hats off to it, and no joshing. But, when you nail down, or nail on, **short-lived LUMBER**, you take chances with your character as a practical economist. **CYPRESS** is the only kind of Lumber that jibes with your system of nailing down dollars.



COPY OF AN OLD WAR-TIME CARTOON. A Cypress fence built when this was drawn would be as good today as ever.

Why? Because it gets them both ways—"comin' and goin'."—it stops leaks in the roof, stable floor or fence post line, and also stops the leaks in your trusty old "weasel skin," both at once. It is the lumber you have either been using or thinking about these many years—"the wood eternal." It takes and holds paint perfectly "for looks"—it lasts practically forever without it; the U. S. Govt. Report says "a long time without paint"—and then cites a case of **Cypress** in Greenwich, Conn., where **Cypress Shingles** laid in 1640 were still "serving well" in 1890, and another at Clifton, Staten Island, which had 200 years to its credit when last reported and was still in use. Is that long enough for your purposes? Then, as to paint. There's "no googly gum in Cypress" to stew out in hot weather and scale the paint.

Fence Posts. They don't get "jiggly" the first time a shote scratches his back, and they hold a nail or staple long after "the cows come home." And they last, and last, and last, and LAST.

Fence Boards. That are not filled with weakening knot holes—that's **Cypress**. There's no substitute; don't let anybody tell you there is. **Cypress**, "the wood eternal," stands alone as a money-saving farm lumber.

Cypress Shingles. Is 228 years of continuous service a pretty fair record for a bunch of shingles? The Bergen homestead, in Brooklyn, N. Y., was built in 1662 with **CYPRESS** shingles which survived until 1890 when the old house was torn down and replaced by another building. Then there was Andrew Joline, who in 1738 built a home for himself in Elizabeth, N. J., roofing and siding it with **CYPRESS SHINGLES**, and at last reports it was in good enough state of preservation to be still occupied as a residence. (Quite a record.) **Cypress Shingles** possess the added virtue of having more wood in them and of weighing more than any other shingles now on the market. It is also true that the life is not roasted out of them in dry kilns to save freight. **Cypress shingles** average straighter, "clearer," truer and more uniform in width than any others. They "run true to form."

Acquainted With the Cypress Pocket Library Yet? If you're interested in **SHINGLES** ask us for Vol. 7; if in **SIDING** send for Vol. 9. Vol. 1 tells you much about the wood—in fact it's the U. S. Govt. Report in full. An *Investment Guide* worth while.

SHIP IN THE COUPON!

So. Cypress Mnfrs. Assn.
Hibernia Bank Building
New Orleans, La.

OUT OUT THIS COUPON AND SEND IT ON ITS WAY

and.....

within the next..... days and would like to have at once

..... Vol. 1. U. S. Govt. Report.

..... Vol. 7. on Cypress Shingles.

..... Vol. 22. on Silos and Tanks.

Also put me on the list for

..... Vol. 20. on "Farm Lumber Needs"

..... Vol. 36. "Short Cuts to Good Farm Carpentry" (with free plans and working drawings) to come as soon as printed. (No cost or obligations on me.)

I expect to build a new.....

BIG BARGAINS IN REAL ESTATE

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

Special Notice

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

FOR absolute bargains in any sized farm find C. D. Kregar, Lincolnville, Kan.

SOME good bargains in well improved Jackson Co., Kansas, farms. Price \$75.00 and up. Wm. Harrison, Whiting, Kan.

STEVENS county; land on new R. R. in Stevens and Morton Cos. \$8 to \$20 per a. Write or see John A. Firmin, Hugoton, Kan.

FINE residence in Wichita, \$5,000, want good 80-160 a. 3 mi. town, Brown Co., \$15,000. Send for list. Walter Hanson, Sabetha, Kan.

WANT to purchase section Western Kansas land at \$5.00 per acre, on terms. J. R. Collins, 1029 Omaha Nat'l Bank Bldg., Omaha, Nebraska.

FARM LOANS. If in need of a farm loan anywhere in Cen. Kan. if you will write us your needs perhaps we can accommodate you. Dawson & Zutafern, Great Bend, Kan.

WRITE for big printed list of corn and alf. farms in rain belt of Kansas. Biggest list choice farms in state. Kenyon & Holtzman, Concordia, Kan. (Pioneer Kan. farmers.)

FOR SALE: 1/4 section of good alfalfa land located in the Turkey creek bottom in Logan Co., Kan. Prices reasonable. Would like to make a quick sale. F. A. HARE, Viola, Kan.

AT Kansas City's door: 160 a., 6 mi. Olathe, Kan. Fine land; 40 a. wheat; good improvements; \$80 per acre. A bargain. T. H. MILLER, Olathe, Kansas.

Stevens County

Write for prices on R. R. lands. Easy terms. Santa Fe Land Co., Hugoton, Kan.

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

Good Quality at Low Cost

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

A REAL BARGAIN

To make division of property, will sell 400 acres of bottom land in heart of famous Artesian Valley of Meade County, Improved. Fine pump well and flowing well. 200 acres cuts two crops fine prairie hay. Adapted to alfalfa. Write PAUL R. WALTERS, Fowler, Kan.

400 ACRES FOR SALE

Two sets of improvements in fair condition; plenty shade trees. 2 good wells, windmills and concrete water tanks; also creek water at each place. 240 a. of bottom alfalfa land and 160 a. of upland (black soil). 200 a. in wheat, 30 a. alfalfa, 60 a. pasture, bal. corn land, all tillable. 2 mi. town. Phone. Level roads. Will sell part or all. Terms on part. Price \$80 per acre. T. F. JOHNSTON, Garfield, Kan.

Back to the Farm?

Here's Your Chance

960 acre farm. Soil rich black loam with an abundance of 1, 2 and 3 lime phosphates, 3 to 5 ft. deep, with porous subsoil. Surface gently rolling but not broken. No sand, gravel or alkali. All fenced, 560 acres under cultivation. Other improvements, plenty, but not very good. 8 mi. from lively, growing town, that has shipped 175,000 bu. wheat from 1912 crop besides other grains. Offered at wonderful sacrifice. Client sick, bachelor, must give up farming. E. W. ALBRIGHT, Bargain Specialist, Brewster, Kansas.

KAW RIVER BOTTOM LAND

303 acres 2 miles east of Manhattan, in high state of cultivation. The land will produce 70 bushels of corn to the acre. Alfalfa 1 1/2 to 2 tons at a cutting. Soil is rich sandy clay loam, 25 feet deep. Fair set of improvements. Only \$125 per acre.

Also 550 acres, 5 miles east of Manhattan, exactly same kind of land; improvements not so good. Will sell at \$110 per acre. Will divide this farm. Owner a non-resident and anxious to sell. Liberal terms of payment. WILLIAM O. TRAINER, Exclusive Agent, 844 Commercial Bank Bldg., Chicago, Ill. Commission to Brokers.

Bargain of the Hour

One-half section, all in cultivation, 290 acres in wheat, 10 acres in alfalfa and the balance for spring crop; one-third of the crop to purchaser. This is one of the finest half sections of land in Pawnee Co., one mile from station on Santa Fe Ry.; has always been priced at \$65 per acre but the owner on account of his age has authorized us to put it to \$47.50 for 10 days. Why go to western Kansas and pay from \$25 to \$35 per acre for grass land and of an inferior quality, when you can buy this in one of the best counties in the state and nearly all in wheat from which you get returns in four months? Incumbrance is \$5,000, 7% which runs over 4 years yet. Bal. cash. NO TRADES on this one. We do however make trades of all kinds. KIMMEL & GARTH, Larned, Kansas.

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

BARGAIN: 160 a. nicely improved, 1/2 mile out, \$6,000. Send for land list. F. C. LIBBY, Blue Mound, Kan. J. L. Wilson, Salesman.

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

CENTRAL Southern Kan. alfalfa lands. 320 a. valley land, 300 suitable for alfalfa, \$8,000. 160 a. in valley, 120 in cult., \$4,800. For free list write P. H. THORNTON, Coldwater, Kan.

100 IMP. and unimp. farms for sale in Edwards, Ford and Hodgeman Cos., \$1,100 1/4 up. For further information and list call on or address THOS. DARCEY, Offerle, Ks.

FINE 640 acre grain and stock ranch in Russell Co., Kansas, all fenced and cross fenced; 7 room house, large barn and other outbuildings; good well and mill. 360 farm land, 140 in wheat; balance pasture; 2 1/2 miles from good R. R. town on U. P. R. R., 1 mile from school. Will take \$35 per acre, 1/2 cash, balance to suit. Chas. L. Wolf, 4121 Hooker St., Denver, Colo.

CASH BARGAIN. 240 a. well improved, bottom land close to town. No waste. Part time. Price \$84. E. changes. Write JESSE SIMPSON, Scandia, Kan.

A BARGAIN—680 acres, 3 miles from town; 150 acres in wheat, balance in pasture. Price \$15 per acre if sold soon. Write PIONEER REALTY CO., Protection, Comanche Co., Kansas.

OWNER MUST SACRIFICE—Fine, whole section; 100 a. in fall wheat. Ideal community, 4 mi. from good farm. Price \$7,200. Better than railroad terms. Investigate. WINONA LAND CO., Winona, Kansas.

A SNAP. 240 acres valley and alfalfa land, running stream, small house and barn, 2-3 in cultivation, close to town, 70 a. in wheat, price \$32.50 per a. Half cash, easy terms. TAYLOR & BRATCHER, Coldwater, Kan.

LIST YOUR FARM, city property and general stock of goods with me. Give full description and location in first letter. Be sure to say whether want me to trade or sell it. Hundreds of farms and city properties for sale anywhere you want them. C. HOLLIDAY, Woodbine, Kansas.

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

840 A. 7 mi. Minneola, 350 a. wheat—1/2 goes. 300 acres rough, fine pasture, bal. good farm land. This is a snap for a short time. Price and terms are right. Write for price and terms. ROY C. BEARD LAND CO., Minneola, Kan.

158 ACRES 5 miles of Ottawa, all tillable smooth land, 35 acres bluegrass, 40 acres timothy and clover, orchard, 9 room house, barn 40x60; double corn crib; holds 3,000 bu. corn, other outbuildings, buildings in good condition. Owner must sell; will loan \$8,500 6%. Price \$85 per acre. MANSFIELD, Ottawa, Kansas.

280 A. 2 1/2 mi. from Garfield, Kan. In great Arkansas river valley. About 1/2 bottom land, remainder upland; about 200 a. broke, bal. pasture. Good new 7 room house; other outbuildings in good repair. This is an ideal location for a stock or dairy farm being close to main line of A. T. & S. F. R. R. Priced for quick sale at \$30 an a. Address owner, C. R. MURRAY, Garfield, Kan.

SOUTHWEST KANSAS FARM LANDS. Honest prices. Where wheat leads the world. Corn crop values beat wheat and alfalfa growing leads the continent. LISTON DENNIS, Stafford, Kan.

BARGAINS. We have a large list of ranch land and improved farm land in Central Southern Kansas for sale at right prices. Write us for description and particulars. THE TERTMAN LAND CO., Wilmore, Kan.

ELLIS COUNTY, KANSAS. 240 acres, choice wheat farm, improved. 320 acres, unimproved. 400 acre dairy and wheat farm, improved. My best bargains. Write for description. H. W. OSHANT, Hays City, Kan.

A REAL BARGAIN. 50 acre farm 6 miles Parsons, 3 1/2 miles good small town, new house, new barn, plenty fruit and water, \$3,000. DONAHUE REALTY CO., Mound Valley, Kan.

Along the New Railroad

5 quarters in Haskell, Grant and Stevens counties, near new railroad towns on D. C. & C. V. for \$7 per acre, on easy terms. Can sell single quarters. HAVE GOOD PROPOSITION FOR AGENTS. DON VAN WORMER, Richfield, Kan.

\$1.75 Per Month

for 10 months buys guaranteed, level, well located lot in Plains Kansas. "Special Bargains"—Only a few to be sold at this low price. ACT QUICKLY. JOHN W. BAUGHMAN, Desk G, Plains, Kan.

Something Unusual

Farm and grazing combination. 1,046 a. Kan. land, blocked solid, well located, on the market short time for \$6.25 per a. Terms \$1,812.00 cash. Bal. two to eight years, six per cent. Ask for plat and particulars. JOHN W. BAUGHMAN, Owner, Liberal, Ks.

160 A. bottom farm, improved, \$9,500. 440 acres first and second bottom, improved. 485 acres, highly improved, close to town. 160 acres, improved, \$8,500. All fine farms. Other fine farms, low price. No better for alfalfa, grain, fruit and vegetables. LOCK BOX 285, Wellington, Kansas.

4 STOCK FARMS for sale at \$36, \$41.50, \$60 and \$62.50 per a. PRALLE BROS., Bremen, Kansas.

IF YOU WANT TO BUY LAND in western Kan. for \$8 to \$10 an a., write Geo. M. Lynch, Co. Treas., Tribune, Kan.

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

WHEAT, ALFALFA AND GRAZING LANDS \$1,600 to \$4,000 a quarter. New railroad now building. Write for full information. H. J. HANSON, Hugoton, Kan.

IN JEFFERSON COUNTY, KANSAS. Best \$3,480 stock of drugs in best location, in best town in county. At a sacrifice. Address P. O. Box 203, Valley Falls, Kan.

COMANCHE COUNTY BARGAIN. 480 a. improved, 9 miles from Coldwater. 1 1/2 a. fine growing wheat, all goes, for quick sale, price \$27.00 per a. Terms if desired. C. A. HEATON, Larned, Kansas.

MONEY-MAKERS AND GOOD HOMES. Lands in Oklahoma, Texas and Kansas for sale, no exchanges. City property and stocks of mdse. to exchange. List free. JEBEZ F. BRADSHAW, Lenexa, Kan.

KANSAS RANCHES FOR SALE. We have Kansas ranches for sale from 1,000 to 25,000 acres. Prices \$12.50 to \$30.00 per acre. Write for free list. V. E. NIQUETTE, Salina, Kan.

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

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

LINN AND BOURBON CO. FARMS. Biggest bargains in Kan. Corn, wheat, timothy, clover, bluegrass land \$15-\$30. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illus. folder free. EBY-CADY REALTY CO., Pleasanton and Ft. Scott, Kan.

FARMS AND RANCHES. 160 acres, 110 acres in alfalfa; about 50 acres in grass; good 6 or 7 room house; good barn and good fences. Plenty of water on farm; close to school and church. 4 mi. of a good town of 1,200. Price \$130 per a. Write or see T. L. Thompson, Augusta, Kan.

GOOD SMALL STOCK MDSE. FOR SALE. \$3,000 stock of merchandise, consists of some shoes, dry goods, ladies' underwear, notions, groceries, etc. In a good town in Anderson county, Kansas. Will give a discount for cash. Fine opening for right man. No trades. Address Lock Box 72, Colony, Kan.

SEDGWICK COUNTY FARM BARGAINS. 280 a. first bottom farm improved, one mile to good R. R. town. Biggest snap in state \$45 per a. terms to suit. 240 a. valley farm, a crop producer, good improvements, 10 miles to Wichita, every acre good. Short time, \$55 per a. Be quick for this. 80 a. first bottom farm, near Sedgwick, well improved, in home of alfalfa, \$100 per a., worth \$150. 4 new modern cottages, 5 rooms each, in Wichita, rents \$45 per month, \$6,500. Trade for farm. Call on or write H. E. OSBURN, 315 E. Douglass Ave., Wichita, Ks.

NEW YORK

WHO GETS THIS BARGAIN

313 acres, 12 room house, watered by never-falling springs; 3 barns, 40x60, 30x40, 30x40 basement. Apples, pears, plums. Buildings insured for \$2,200. R. F. D. and Phone. \$6,000. \$2,000 cash, balance time at 5 per cent interest. Hall's Farm Agency, Owego, Tioga Co., N. Y.

Money Making Farm

1000 Apple Trees

James Wilson, Ex-Secretary of the U. S. Department of Agriculture, after personally inspecting New York State farms, said: "Hereafter when a young man with a few hundred dollars asks where he can engage in farming to the best advantage I shall ask that he be directed to the possibilities existing throughout New York State." This splendid 186-acre New York State farm is better than the average: smooth machine-worked fields cut 75 tons hay, brook and spring-watered pasture for 40 cows, lots of wood, 1,000 apple trees, 800 sugar maples and only two miles to R. R. station, stores, high school, milk station; 2-story 10-room house, 50-ft. barn, silo, milk house; owner has made money, is buying larger farm; if taken now includes 20 cows, 2 horses, lot of machinery, dairy utensils, wagons, sugar tools, farming tools, etc.; price for all only \$5,900, with \$1,600 cash, balance very easy terms. Traveling directions to see this and other splendid New York State farms, page 33, "Strout's Farm Catalogue 36," just out, biggest and best farm catalogue ever issued, giving reliable information regarding soils, crops raised, markets, climate, etc., all the best farming districts of the East. Write today for free copy. E. A. Strout Farm Agency, Station 3125, Union Bank Bldg., Pittsburg, Pa.

MISSOURI

25 OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

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

160 A. farm, \$1,800, imp. Write for picture. Box 594, Mountain View, Mo.

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

SPECIAL bargains in improved Missouri farms. Write F. H. Brown, Mayview, Mo.

STOP! Listen! 80 a. creek farm \$850; terms. Other farms. McGrath, Mountain View, Mo.

WELL imp. 160 acre farm, 6 1/2 miles out; \$4,500, on easy terms. Write for particulars. DeMotte Realty Co., Mountain Grove, Mo.

FREE "The Ozark Region." Contains new list cheap lands, and valuable information. Durnell & McKinney, Cabool, Mo.

WRITE for list improved farms in heart of Corn Belt (Northwest part of State). H. J. Hughes, Trenton, Missouri. Seller of Missouri Black Dirt.

LAND BARGAINS—\$5 down, \$5 monthly buys 40 acres, good timber land, south Missouri; price \$200. Perfect title. Write for list Mo. lands. Fred Jarrell, Mt. Vernon, Ill.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$6 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON REAL ESTATE CO., Anderson, Mo.

READ THIS. Wanted one real estate dealer in each county to handle my listings at wholesale prices. Write for free booklet. JOHN M. MCCRAY, Real Estate Jobber, Greenville, Missouri.

I HAVE for sale fine farms from 40 a. to 1,000 acres, at \$5 per a. and up, in one of the best counties in the state of Missouri; new railroad now building. For list and particulars write W. D. Blankenship, Buffalo, Mo.

ONE OF THE BEST 200 acre farms in Howell Co., Mo. 160 a. cult. Good house, large barn, other buildings. Fine water, all fenced; plenty fruit. Near county seat. 3/4 mi. school, 2 mi. town, \$6,500. Terms. No trade. A. F. COTTELL LAND CO., Pomonca, Howell Co., Mo.

\$5 DOWN \$5 MONTHLY buys 40 acres near town; grain, fruit, stock and poultry land. Price \$200.00. Other bargains. BOX 372-R, Carthage, Mo.

BATES COUNTY FARMS ranging from 40 to 800 acres; \$40 to \$75; located 60 miles south of Kansas City, Mo. J. D. SAGE, Amsterdam, Mo.

MISSOURI AND KANSAS FARMS. Ask us about that 1,800 a. grain and stock farm 56 mi. so. of K. C., priced right, terms reasonable. Stipp & Chappell, Merwin, Mo.

LOOK! YOUR OPPORTUNITY. 160 acres close to Sedalia, Pettis Co., Mo. Noted for its improvements, 8 room house, 3 large barns; abundance of water; all can be cultivated. \$75 per a. For particulars write W. B. MARSHALL, Ionia, Mo.

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

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

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

A Remarkable Bargain

320 A. all level land, 65 a. in cult., 80 a. pasture; bal. saw and tie timber. 180 fenced, wire and rail; 9 room house, good well at house; barn 70x76; good well at barn; smoke house, other outbuildings; phone in house; handy to school and church; 6 mi. to North View on Frisco R. R. 5 mi. to Fairgrove; 8 mi. to Co. seat, Marshfield; price \$17,000. Incumbrance \$5,000, 5 per cent, due 6 years; will exchange for good Kansas farm. Will assume as much as \$9,000. What have you to offer? See or write PURDY & COMPANY, Springfield, Mo.

S.E. Mo. Corn Lands

We are in the heart of the drained lands of S. E. Mo. The soil is a fine black, sandy loam and adjoins town of Malden; population 3,000. Five thousand acres have been sold and is in cultivation. A Kansas farmer said he would not take \$1,000 for his bargain. The price on this land is \$30 per a. 1-6 cash, bal. one, two, three, four, five years at 6 per cent. Write for literature. MALDEN REAL ESTATE CO., Malden, Mo.

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.)

OKLAHOMA

INDIAN LANDS eastern Okla. rain belt. Write J. J. Harrison, Pryor, Okla.

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

20 FINE farms, bargains. N. E. Okla. valley. Dennison & Griswold, Claremore, Ok.

KAY COUNTY corn, wheat and alfalfa lands, \$20 to \$75 per acre. New list free. N. E. SAYLOR, Newkirk, Okla.

320 ACRE well improved farm, 2 1/2 miles N. W. of Nowata for \$50 an a. Terms. Would trade for Iowa or Illinois farm. Other snaps. WILKINSON BROS., Nowata, Okla.

800 ACRES black land, 2 1/2 miles from railroad. 450 acres in cultivation, 4 sets of improvements. \$30 per acre. E. HOLCOMB, Durant, Oklahoma.

640 A. 3 mi. Hodgins, Okla., on main line Ry. In fine grass and timber; part tillable, close to oil and gas well drilling. For quick sale \$5 per a. W. F. Colnon, Heavener, Okla.

BARGAINS on farms in New Eastern Oklahoma. Good wheat, alfalfa and small grain land. 47 inch rain belt. Fine grass and several large ranches, cheap. Write today. Union Security Co., McAlester, Okla.

CADDO COUNTY WINS First on agricultural products at State Fair. Write for information, corn and alfalfa lands. Baldwin & Gibbs Co., Anadarko, Okla.

SEVERAL FINE FARMS FOR SALE in the best corn and cotton belt of Eastern Oklahoma; 80 to 600 acre tracts, \$25 to \$60 per acre. R. B. HUTCHINSON, Checotah, Okla.

INDIAN FARMS for sale in rain, corn and oil belt of N. E. Oklahoma at from \$15 to \$35 per acre. Easy terms. A perfect title is guaranteed. For description and prices write the owner, W. C. WOOD, Nowata, Oklahoma.

560 A., 9 mi. R. R. town, this county. 300 a. smooth and level, bal. not very rough. Splendid pasture. Mostly timber, but very scattering. No underbrush; some tillable; 1/2 million ft. Yellow Pine timber. Cheapest grazing proposition in Oklahoma. \$3.25 per a. Terms. SOUTHERN REALTY CO., McAlester, Okla.

Oklahoma, Ark. and Louisiana

15,000 a. in Oklahoma, 10,000 a. in Arkansas, 4,000 in rich red river bottom in Louisiana, in 40 a. tracts, up. We are owners. Write for literature on state desired. Agents wanted.

ALLEN & HART, 308 Commerce Bldg., Kansas City, Mo.

Eastern Oklahoma

Land \$3.00 to \$25.00 per a. Prices are steadily advancing—now is the time to buy. If you want a good, cheap home, or a money making investment, write to or call on W. T. HARDY, McAlester, Okla.

TEXAS

FREE. Taylor's Texas Investor (Magazine). A money saver, write now; six months free. H. S. Taylor, Houston, 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.

LISTEN! Tarrant county, Texas, has more railroads, more inducements for homeseekers in good lands, plowed roads, good markets, health record, schools, churches, etc., all things considered, than any county in the Southwest. Ask for special list of farms, ranches and dairy propositions, close to this great city. KITCHEN-VAUGHN-SEAVER CO., Fort Worth, Texas.

OVER 8 million acres land for sale in West and South. Tracts from 40 a. to 200,000. Price \$1.25 per acre and up. We are agents for the Famous Yellow House Ranch, in the shallow water belt of Texas. Best alfalfa and wheat land on earth. \$20 to \$25 per acre. Ten years' time. We want reliable, live wire agent in every county in Oklahoma, Kansas, Nebraska, Missouri, Iowa, Illinois, Indiana, Michigan, Ohio and Wisconsin. References given and required. Good contract to right man. Real estate men preferred. 1913 catalog now ready. EDWARD F. WEBSTER REALTY CO., 411 Commerce Bldg., Kansas City, Mo.

BUY COAST FARM LANDS.

We make a specialty of locating the best for the money for the homeseeker and investor. For list and free information write C. H. Stanciliff Land Co., Houston, Tex.

HALF THE PRICE

You pay in the North, or less, will purchase prairie land, 160 acres up. Will yield 40 bushels corn per acre, only \$40 per acre. Plenty rain, fine climate. Have some exchanges. See or write JNO. C. PENN LAND COMPANY, Houston, Tex.

PROFITS IN GULF COAST LAND. Wonderful production, large increase in value, an attractive home. Get our Free Booklets, "The Road to Prosperity" and "A Pointer on Where to Buy Land." Will send you free "The Gulf Coast Bulletin" for 6 mo. Write THE ALLISON RICHIEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

All About General Farming in the Mid-Coast Country of Texas

Write for our illustrated booklet. Mid-Coast Colonization Company A. A. Highbarger, Mgr., Bay City, Texas.

ARKANSAS

FOR SALE: Well imp. 240 a. near city, \$12.50 a. J. A. Webb, Russellville, Ark.

FARMS and fruit lands. All sizes and prices. T. A. Bayley, Ft. Smith, Ark.

CHEAP homes. Send for literature. F. & M. Bank and Trust Co., Horatio, Ark.

OZARK fruit farm. Income \$7,000 in 1912. Heart's delight. H. Hall, Waldron, Ark.

GOOD farms, low prices, home mkt. Elevation. Health. Map. Lit. Hodge, Mansfield, Ark.

RED RIVER corn and alfalfa farms, \$20 to \$50 per acre; income \$50 to \$60 per acre. List free. L. A. JUSTUS, Foreman, Ark.

160 A. valley farm \$1,700. 47 a. valley farm \$850. 160 a. valley farm 1 1/2 mi. out, \$2,500. Terms. Box 67, Hatfield, Ark.

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

DO YOU want a farm in Arkansas? If so, write for my illustrated book. Imp. and unimp. prairie, timber and rice lands. Write me today. Olaf H. Kyster, Stuttgart, Ark.

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

ATTENTION. We have selected list of very best bargains in farm, fruit, alfalfa and timber lands in Ark. Get our list of bargains. A. W. Estes Co., Little Rock, Ark.

ARKANSAS lands for all staples at reasonable prices, on good terms. Prices are steadily advancing. Now is the time to buy. New list free. HORTON & CO., Hope, Ark.

DE QUEEN, Ark., center best fruit and gen. farming country in Ark. Average price of land \$10 a. Write for information. Farmers & Merchants Bank & Trust Co., De-Queen, Ark.

157 A. Improved rich valley farm; 57 cultivation; bal. timbered; 2 mi. Ry. on public road; white neighborhood; \$12.50 per acre. SESSIONS BROS., Winthrop, Ark.

FOR SALE: 177 a. excellent stock farm. 70 a. cult., bal. good timber. 3 room house, barn, fine water. Near school, phone, and R.F.D. 6 mi. Cabot on public road. Price \$20 a. Hudson Real Estate Co., Cabot, Ark.

\$4,000; 24 acres near high school, Springdale; new buildings; lots of orchard; 4 a. pasture. Finest truck land here. Will sell 15 a. with buildings or whole tract; it is ripe for subdivision. FREDRICKS, Springdale, Washington Co., Arkansas.

274 A. dark and red loam. 200 a. in cultivation, 6 room residence, 4 renter houses, barns, outhouses, wells, springs, orchard and pastures, on graveled road, railway and phone line. 1 mile from town. \$6,000.00, easy terms. H. M. McIVER, Texarkana, Ark.

Arkansas Land \$5 to \$40 per acre. 1913 land list free. J. E. DOW & CO., Cotter, Arkansas.

For Sale in Southwest Arkansas

80 improved farms at a price ranging from \$15.00 to \$40.00 per acre. Write for literature. SOUTHERN REALTY & TRUST COMPANY, Ashdown, Arkansas.

HOMESTEADS 261,230 acres subject to entry in North-west Arkansas—home of the big red apple. No swamps; no negroes; pure water. Homeseeker's Guide and Map showing location of vacant land, postoffices, railroads, public roads; giving synopses homestead, timber and stone and isolated tract law, tells how and who is entitled to homestead under new three year act. Price \$1, post paid. OZARK HOMES, LOCATING & PUBLICITY CO., Dept. Y, Harrison, Ark.

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.

There is Lots of Louisiana Land That Will Produce Three Times Its Cost Every Year

Louisiana is in a class by itself. For rich land, big crops, low prices. It makes no difference if you are rich or poor, an owner or tenant, where you live, or what you are interested in, Louisiana offers you more opportunities, more show to get ahead, bigger returns for your work and investment, than any other section on the North American continent, barring none.

We have soil here that is so rich it could be used to fertilize your northern farm. We can raise the biggest kind of crops of corn and alfalfa; fatten hogs and cattle for half the money it costs in North or Middle West, and this land can be bought from \$10.00 to \$25.00 per acre.

We have issued a nice illustrated booklet with a number of fine photo engravings showing the splendid growing crops of this country. It tells FACTS in big letters about this section in a simple and a plain way. It is free to you just for the asking. Every farmer should read this book for the information undoubtedly will prove to be of great value to you; it probably will give you the opportunity of making an investment, the best you ever made in all your life. Farm for yourself; farm in Louisiana and particularly farm in Alexandria district. Sit right down now and write us a letter for full information about this most wonderful section of the country.

COOK-ALEXANDER LAND CO., Alexandria, Louisiana.

FOR SALE OR EXCHANGE

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

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

OZARK farms and mdse for sale or trade. Noah Atkinson, Marshfield, Mo.

FOR sales or exchanges anywhere write Co-operative Realty Co., Humansville, Mo.

FOR results list your property for sale or exchange with S. H. Rhea Real Estate and Auction Co., Moline, Kan.

FREE—Loose Leaf Exchange Book. It will match your trade. Write Desk A. E. P. JOHNSON, Ordway, Colo.

LISTEN! Have you land, mdse., any other prop. for ex.? Write particulars. A. W. Groeneman, Box 913, Colorado Springs, Colo.

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

960 A. Trego Co.; 200 creek alfalfa land, impr. \$24,000. Would consider good 160 acre farm for part. Stevens & Ruby, Stockton, Kan.

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, Kan.

TOUCH a live wire. Our Red Letter Special will trade your property. List today. Guaranteed deal. Write for particulars. Midwest Realty Exchange, Riverton, Neb.

WOULD you trade your farm; city residence, rental property; mdse.; hotel; steam plow; auto or other property for good land? Write Kysar Realty Co., Goodland, Kan.

WHAT have you to trade for Arkansas level cutover land? Close to railroad; no over-flow; no negroes; no rocks. Shaeffer Land Co., 640 Reserve Bk. Bldg., Kansas City, Mo.

TO TRADE, for South Kan. farm or stock of goods, modern 9 room house and two fine vacant lots in N. E. Okla. town of 5,000 people. Would also trade S. W. Ark. farm worth \$4,500.00. Chas. C. DePue, Vinita, Oklahoma.

FOR SALE—\$8,000.00 stock hardware and implements. Clean, up-to-date stock. Good location, eastern Kansas. Would consider trade for central or eastern Kansas land. Good reasons for selling. Address H. B. care Farmers Mall and Breeze, Topeka, Kan.

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

CHOICE alfalfa land for sale or exchange; from 40 acres to a section. Also a few extra good bargains for cash. CHAS. D. GORHAM, Garden City, Kan.

FOR SALE OR TRADE. A fine large 28 room hotel on 8 lots in Co. seat town of 900. Electric lights, water system, other bldgs. \$15,000. For a ranch or farm up to value. W. A. DOERSCHLAG, Ransom, Kansas.

FOR SALE AND EXCHANGE Ozark lands in tracts to suit, \$4.00 acre up. List free. Anna E. Hockensmith, Ava, Mo.

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

WANT ARKANSAS LAND in exchange for good improved 160 acres Phillips Co. Other exchanges. I. R. ELDERED, Phillipsburg, Kan.

LOUISIANA

Ruston, Louisiana

Is the best place for a tenant farmer that only has a little money to own a farm. Rich fertile soil—Ample rainfall.

Healthy Climate

Two crops a year—Good markets. \$10.00 to \$25.00 an acre, easy terms. No floods, mosquitoes or swamps. Write for illustrated literature.

NORTH LOUISIANA REALTY & INV. CO. RUSTON, LOUISIANA.

COLORADO

BEARING orchards, choice alfalfa land, city property, mdse. Sale or trade. Sonnenland, Ordway, Colo.

EASTERN COLORADO—The new homestead law. Bargains in relinquishments. Farm land. You can buy it, if you try it; come and see it and you will do it. Lock Box 713, Garden City, Kan.

SPLENDID FARM FREE

from the government. 160 a. or 320 a. rich, desirable, well located, close to thriving, new town. Also rich valley land, from the state. Low prices, long terms. Will all be taken this spring. Information and maps free. S. S. SANGER, Brandon, Colo.

GOLDEN opportunities for a home and investments—NOW. Fine farms, ranches, \$8 to \$10 per a. A few relinquishments. Did you see "bleeding, aims-receiving Kansas" become the wealthiest state per capita? Only a few hours' west of Salina, no finer soil on earth; 50 schools, 4 banks, churches, best of Colorado. Now. Pamphlet. R. T. CLINE, Towner, Colo.

A REAL INVESTMENT IN COLORADO. 600 acre stock ranch with own water right, reservoirs and ditches. 85 acres in alfalfa, 300 acres can be irrigated. Plenty of timber for all purposes. One mile from school. 8-room house, barn, outbuildings, fences and orchard cost more than price asked. 3 miles northeast of La Veta in Huerfano Co., Colo. Plenty of free range for stock. Price \$13,000. Write us for further particulars of this and other bargains in stock ranches, irrigated farms. Gilmore & Co., 439 Century Bldg., Denver, Colo.

IF YOU have mdse., income property or land to trade, list it with Triplett Land Co., Garnett, Kansas.

WANT LAND in Kansas, Missouri or eastern Colorado for 80 barrel flour mill. Well located in county seat town of 2,500. Value \$10,000. BUXTON LAND CO., Ulica, Kan.

IMP. 80 A. 2 1/2 MI. INDEPENDENCE, KAN. Good land, priced right, to exchange for Mo. land or income property. 160 other fresh exchanges. Write FOSTER BROS., Independence, Kan.

FARM BARGAINS.

Farms, ranches, city property and merchandise; for sale or exchange, any size, any price, anywhere. Write for large free list. SEWELL LAND CO., Garnett, Kan.

REAL ESTATE EXCHANGES.

List your farms, merchandise, income property with us. Write for our exchange book. We trade anything, anywhere. OWNER'S SALE & EXCHANGE, Independence, Kan.

EXCHANGE.

640 a. near Canadian, Texas. Division point on Santa Fe. 200 a. fine wheat land under plow. Well arranged for stock ranch, with tanks, etc. Trade for small farm close in to Topeka. Address OWNER, 426 Elmwood, Topeka, Kan. Phone 2860 Red.

Buy or Trade with us—Exchange book free Bersie Agency, Eldorado, Kas

For Sale or Exchange

Land in the great corn belt of Missouri, Kansas and Nebraska. Also Ranches. If you wish to make an exchange address M. E. NOBLE & SON, 507 Corby-Forsee Bldg., St. Joseph, Mo.

FOR SALE OR TRADE

2,100 a. ranch in eastern Nebraska, 20 mi. from O'Neil, Holt Co., all bottom land and good grass and hay land. This is the making of the best ranch in the state. One-third equitable trade, some cash and carry bal. Also \$4,200 first mortgage on 313 a. farm, St. Clair Co., Mo. Due in less than 2 years at 6%. Will take mdse., hardware preferred. Submit your offers. W. L. BOWMAN REALTY CO., King City, Missouri.

Kansas City Income Property

Should you want to trade for a flat or business corner, we can furnish you with an inventory of actual and assessed value of same for \$10, an amount less than to make the trip. Information to your advantage from a disinterested standpoint. 20 years' experience on leases, assessment, taxation and insurance for the Kansas City Stock Yards Co. and other Boston interests. J. W. MERCHANT, Agent, 213 Massachusetts Bldg., Kansas City, Mo.

Wanted

To trade 160 acres extra fine, level, bottom land in east end Hodgeman Co., Kansas. Timber and running water on one side, share 100 acres wheat, for stock of groceries. Don't write unless you mean business. M. W. PETERSON, Hanston, Kan.

COLORADO

160 ACRES near Denver, \$3,500. Good improvements. Wells, fenced and cultivated. Fine soil, big crops. L. A. COBB INV. CO., 242 Century Bldg., Denver, Colo.

BEST IRRIGATED LAND IN GRAND VALLEY.

25 acres 2 miles from Clifton, Colo. 10 acres, 3 year old apples. \$250.00 per acre. 15 acres under cultivation ready for fruit. Best water right. Terms 1/3 cash, 5 years on remainder. Write the owner, C. W. SAVERY, 425 Exchange Bldg., Denver, Colo.

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

ARIZONA

ARIZONA for good government land. Climate healthy, summers cool, winters mild, soil fertile. Grain, fruit and dairy. 200 mile auto ride through valleys. ELGIN COMPANY, 723 Finance Bldg., Kansas City, Mo.

CALIFORNIA

CALIFORNIA alfalfa and fruit lands. Only \$50 to \$110 per acre including water right. Terms, one-fourth cash, bal. 8 payments commencing second year. Send for booklet 161. Agents wanted. The Cal-Tex Inv. Co., 908 Security Bldg., Los Angeles, Cal.

FLORIDA

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

CANADA

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

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

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

PUREBRED STOCK SALES.

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

Percherons.

May 21—J. C. Robison, Towanda, Kan.

Poland China Hogs.

Apr. 8—Roy Johnston, South Mound, Kan.
May 1—C. S. Nevius, Chiles, Kan.
May 27—H. C. Graner, Lancaster, Kan.
Oct. 21—H. B. Walter, Effingham, Kan.
Oct. 15—R. B. Davis, Hlawatha, Kan.
Oct. 29—Walter Hildwein, Fairview, Kan.
Oct. 30—Merton Williams, Valley Falls, Kan.
Feb. 10—H. B. Walter, Effingham, Kan.

Shorthorn Cattle.

April 22—George Allen & Sons, Lexington, Neb., at South Omaha.
June 6—C. S. Nevius, Chiles, Kan.

Aberdeen Angus Cattle.

April 29—Omaha, Neb., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.
May 1—Chicago, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.
May 2—East St. Louis, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.
Oct. 22—W. F. Eckles, Green City, Mo.

Kansas and Oklahoma.

BY A. B. HUNTER.

L. R. Wiley, Emporia, Kan., has just gotten in a new consignment of Percherons, including a lot of high class mares, showing heavy in foal. Mr. Wiley says that he is going to make prices on both mares and stallions for next 30 days that will defy competition. All his horses are registered in the Percheron Society of America. Note Mr. Wiley's ad in this issue and if interested either write him or visit his barns at Emporia.

Clasen Bros. Prize Winners.

At the Fat Stock Show recently held at Ft. Worth, Tex., Clasen Bros., of Union City, Okla., won the following prizes on their Duroc-Jerseys. First prize on barrow under 6 months; second on best pen of 5 hogs; second on barrow under 12 months. In the Duroc specials they also won second on barrow under 12 months. Clasen Bros. are now making special prices on fall hogs and gilts by Gold Mine, by Grand Master Col. II, and F. P.'s Col. IV. They are booking orders for choice spring hogs by such hogs as Champion Red, Gold Mine, C. L.'s Col. by Graduate's Col. In writing or calling on Clasen Bros., please mention Farmers Mail and Breeze.

Lookabaugh's Shorthorn Sales.

H. C. Lookabaugh, Watonga, Okla., whose display ad appears regularly in this paper, decided last fall that instead of holding another public sale, he would advertise

LIVESTOCK AUCTIONEERS.

Col. N. B. PRICE, Livestock Auctioneer.
Phone or write for dates. Bonney K. heads my Duroc-Jersey herd

G. A. DRYBREAD Elk City, Kans.
Live stock and farm sales made anywhere. Give me a trial. Satisfaction guaranteed.

C. C. DENNEY GUIDE ROCK, Neb.
Auctioneer. Pure bred stock sales and big farm sales. Write or phone.

W. B. Carpenter,
Live Stock and Real Estate Auctioneer.
Also President Missouri Auction School.
14th and Grand Ave., Kansas City, Mo.

John D. Snyder HUTCHINSON, KANSAS
LIVE STOCK AUCTIONEER
Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

Learn Auctioneering
at World's Greatest School and be independent. Write today for free catalog. Jones National School of Auctioneering, Washington Blvd., Chicago, Ill. Carey M. Jones, Pres.

R. L. HARRIMAN
Live Stock Auctioneer
BUNCETON, MISSOURI

through Farmers Mail and Breeze and try to sell Shorthorns at private treaty. To our many livestock readers who may be curious to know the result of Mr. Lookabaugh's advertising campaign, in Farmers Mail and Breeze, we are glad to report that all parties concerned are highly pleased. He has sold 70 head since along in December for \$9,550, or over \$700 worth per week, on an average. A large per cent of these were young bulls and heifers. Mr. Lookabaugh still has plenty of good Shorthorns to sell. The list of private sales given below helps to prove what a man like Mr. Lookabaugh, who has good cattle, can do when he uses Farmers Mail and Breeze as Mr. Lookabaugh has done. The following is a list of private sales:

DECEMBER SALES.

Red Prince, J. C. Calder, Apache, Okla. \$100.00
Roan Prince, H. D. Stone, Apache, Okla. 100.00
Prince Violet, L. Boose, Aline, Okla. 100.00
Miss Caroline, J. R. Whistler, Watonga, Okla. 75.00
Charmes Henrietta, J. R. Whistler, Watonga, Okla. 75.00
Missie's Ellen, J. R. Whistler, Watonga, Okla. 75.00
Duchess of Gloster 17th, J. R. Whistler, Watonga, Okla. 75.00
Duchess of Gloster 20th, J. R. Whistler, Watonga, Okla. 75.00
Lovely 18th, J. R. Whistler, Watonga, Okla. 75.00
Ada's Princess, J. R. Whistler, Watonga, Okla. 75.00
Miss Violet, J. R. Whistler, Watonga, Okla. 75.00
Golden Lady 5th, J. R. Whistler, Watonga, Okla. 75.00

JANUARY SALES.

Queen's Prince, William Yates, Watonga, Okla. 100.00
Duchess's Prince, H. Hamilton, Weatherford, Okla. 150.00
Prince, Dick Marshall, Watonga, Okla. 100.00
Count Ramaden, J. H. McKivergam, McAlester, Okla. 200.00
Victoria 3d, J. H. McKivergam, McAlester, Okla. 150.00
Pleasant Lady, J. H. McKivergam, McAlester, Okla. 150.00
Orange Blossom 4th, C. F. Singmaster, Keota, Iowa 200.00
Master Gloster, C. F. Singmaster, Keota, Iowa 200.00
Pavonia Maid, C. F. Singmaster, Keota, Iowa 200.00
Miss Pavonia 2d, C. F. Singmaster, Keota, Iowa 200.00
Pavonia Blossom, C. F. Singmaster, Keota, Iowa 200.00
Blondine's Violet, J. E. Shook, Fairview, Okla. 50.00
Mary Princess, J. E. Shook, Fairview, Okla. 75.00
Carrie Nation, J. E. Shook, Fairview, Okla. 75.00
Rubies Prince, E. T. Davis, Hitchcock, Okla. 150.00
Gigson's Prince, W. A. Coldwater, Fort Morgan, Okla. 200.00
Guindoline's Search, J. C. Bealy, Fort Cobb, Okla. 250.00
Lovely 19th, J. C. Bealy, Fort Cobb, Okla. 150.00
Roan Banff, J. B. Booher, Cleveland, Okla. 175.00
Grand, J. W. Shirley, Berlin, Okla. 100.00
John F. J. F. Wilkerson, Alva, Okla. 100.00
Lovely's Monarch, F. J. Wald, Lone Wolf, Okla. 150.00

FEBRUARY SALES.

Clipper Bargain, William Pruett, Fort Davis, Tex. 150.00
Sir Henry, William Pruett, Fort Davis, Tex. 150.00
Lavender Goods, William Pruett, Fort Davis, Tex. 150.00
Master of the Ring, William Pruett, Fort Davis, Tex. 250.00
Barrington's Prince, William Pruett, Fort Davis, Tex. 150.00
Nine bull calves, not recorded, at \$150 each 1350.00
Gypsy Princess, William Pruett, Fort Davis, Tex. 150.00
Flowery Maud 3d, William Pruett, Fort Davis, Tex. 150.00
Brookside Secret 5th, William Pruett, Fort Davis, Tex. 200.00
Violet Leaf 7th, William Pruett, Fort Davis, Tex. 200.00
Golden Lady 5th, William Pruett, Fort Davis, Tex. 200.00
Duchess of Gloster 17th, William Pruett, Fort Davis, Tex. 200.00
Duchess of Gloster 20th, William Pruett, Fort Davis, Tex. 200.00
Pleasant Pavonia, William Pruett, Fort Davis, Tex. 200.00
Eight young heifers, C. F. Singmaster, Keota, Iowa 800.00

MARCH 1 TO 10 SALES.

Prince Lavender, T. B. Carnahan, Randlett, Okla. 150.00
Brookside Secret 4th, T. B. Carnahan, Randlett, Okla. 150.00
Shorty, T. B. Carnahan, Randlett, Okla. 150.00
Roan Fanny, T. B. Carnahan, Randlett, Okla. 150.00
Rose Goodness, T. B. Carnahan, Randlett, Okla. 100.00
Ada, T. B. Carnahan, Randlett, Okla. 50.00

Watson's Duroc-Jerseys.

R. C. Watson of Altoona, Kan., changes his ad in this issue of Farmers Mail and Breeze. In a letter dated March 20 Mr. Watson says he has sold all his bred sows and gilts and has nothing to offer at present but fall hogs and gilts and his spring pigs which are coming along in fine shape. He says that the spring pigs have averaged 12½ pigs per litter so far this season and that the entire herd is in fine condition. The young stock offered is sired by R. C.'s Buddy, by Buddy K 4th; and Cal Kruger, by B. C.'s Col.; and mostly all out of B. C.'s Col. dams. There is no better blood known in the Duroc-Jersey breed than is represented in the Watson herd. Mr. Watson produces good hogs and sells them at reasonable prices. Write him for particulars.

Kansas and Nebraska.

BY J. W. JOHNSON

L. M. Noffsinger of Osborne, Kan., is changing his ad in Shorthorn column of this issue calling attention to young bulls he has for sale. Mr. Noffsinger has had a good trade on his Shorthorns this season and has nothing left at present but four bulls ranging from 7 to 10 months old. Three of these calves are roans and one red and all good ones. If you can use one of these calves write Mr. Noffsinger and he will make a reasonable price.

Scotch and Scotch Top Bulls.

C. W. Taylor of Abilene, Kan., sends in change of copy for his Shorthorn advertisement in Farmers Mail and Breeze. He is offering young bulls up to 13 months of age, either pure Scotch or Scotch topped. These bulls are well grown and in good condition. Mr. Taylor has one of the best utility herds of Shorthorns in Kansas. His cattle are grown under ordinary farm conditions and

LIVESTOCK AUCTIONEERS.

Wm. H. Harper, LIVESTOCK Auctioneer.
GLASCO, KANSAS. Phone for Dates.

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

COL. HOMER BOLES, Randolph, Kan.
Livestock and General Auctioneer.

Col. D. F. Perkins, Concordia, Kan.
Up-to-date methods in the Auction business. Purebred stock sales and big sales generally. Write for dates.

L. R. BRADY LIVESTOCK AUCTIONEER
Manhattan, Kan. Write or wire for dates.

COL. S. B. YOUNG, Osborne, Kan.
Livestock Auctioneer. Write for dates.

N. S. HOYT, Mankato, Kan.
Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

T. E. GORDON, WATERVILLE, KANS.
Livestock and Real Estate Auctioneer.
WRITE FOR DATES.

Will Myers, Livestock Auctioneer
Beloit, Kansas.
Write or phone for dates. I am located right to give good service.

Col. J. R. LLOYD, ATHOL, KANSAS
LIVESTOCK AUCTIONEER.
Write for terms and dates, and reference

MULE FOOT HOGS.

Mule Foot Hogs More premiums won in 1912. Bred sows, some extra spring farrow hogs and pigs in pairs not related. Pedigrees furnished. ZENE G. HADLEY, R. F. D. 5, WILMINGTON, OHIO.

MULE-FOOTED HOGS.

The coming hogs of America; hardy; resist disease; the best rustlers known; pigs ten to sixteen weeks old, \$30 pair. Circular free. DR. W. J. CONNER, Labette, Kan.

POLAND CHINAS.

LARGE WITH PENTY OF QUALITY. Handsome young hogs, gilts bred or open. Best of large type blood lines. Some hogs, herd headers. Satisfaction guaranteed on all breeding stock.
OLIVIER & SONS, DANVILLE, KANSAS.

ALBRIGHT'S BRED SOWS AND GILTS
20 gilts bred to one of the good sons of Big Tom and Sensation; 8 tried sows bred to Cavett's Mastiff by King Mastiff. One extra good sow bred Oct. 16th.
A. L. ALBRIGHT, WATERVILLE, KAN.

NEBRASKA TYPE. A fine lot of summer and fall pigs by Hyden's Big Hadley 2nd, Pan Wonder and Neb. Chief. Bargains in the best. C. C. Ingram, Bloomington, Neb.

POLAND CHINAS Select young hogs. Gilts, bred or open. Prices right. Call or write.
Address H. L. BROOKS, LARNED, KANSAS

100 SPRING PIGS Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; orders booked for May and June delivery.
W. Z. BAKER, Rich Hill, Mo.

Schneider's Poland Chinas
Can furnish choice summer and fall pigs, pairs or trios, not akin by Guy's Expansion and Goldust Hadley. All of breeding age and priced to sell.
JOE SCHNEIDER, Nortonville, Kansas.

BIG TYPE POLANDS
Summer and fall pigs both sex, strong in the blood of Big Hadley and A. Wonder. Sows and gilts, the big, smooth kind, bred for early litters. Description guaranteed. Call or write A. R. ENOS, Ramona, Kan.

EXPANSIVE CHIEF FOR SALE!
One of the greatest breeding sons of the great Expansive. A 2-year-old and a proven sire. Also a few extra tippy fall hogs—herd headers—by Expansive Chief and Long King's Best. All are immune from cholera. I have just the hogs you want.
H. B. WALTER, EFFINGHAM, KANSAS

Robinson's Mammoth Poland Chinas!
My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried hogs and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and I return your money.
F. P. ROBINSON, Maryville, Mo.

MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.
200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males, raised. Two extra good herd boars for sale (every one deep in breeding and rich in blood).
E. D. KING, BURLINGTON, KANSAS.

—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.
XX 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 \$3.60
Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools \$4.00 for 52 gal. bbl.

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

C. A. STANNARD, BOX M, EMPORIA, KAN.

POLAND CHINAS.

HARRY HOAK'S POLAND CHINAS
A few large, Big Type boars, also some good sows and gilts bred for early litters. Fashionable Big Type breeding and priced right to buy. Call or write today!
HARRY HOAK, Attica, Kansas

45 BRED SOWS AND GILTS
Poland Chinas, in public sale, Thursday, April 3rd. Also a few choice fall hogs in same sale or at private sale. Hogs of a higher order but priced within the reach of all.
ROY JOHNSTON, South Mound, Kansas

Polands—Barred Rocks
Summer and fall pigs by Referendum and J. C. Metal and out of choice sows. Priced to sell. Also 50 Barred Rock Cockerets.
A. N. Waechter & Son, Riverton, Neb

COLUMBUS
The 1050-lb. Grand Champion, 1912, Nebraska, Kansas, Missouri and American Royal, heads my herd
Big Type Poland Chinas
R. B. BAIRD, Central City, Nebraska

Summer Poland Chinas
Big Type June and July gilts being bred to GOLD MINE for July and August farrow. Serviceable hogs, litter brothers to above. September and October pigs by GOLD MINE and PAN LOOK. Both sexes. Priced right.
DIETRICH & SPAULDING, Richmond, Kansas

KLEIN'S TABOR VALLEY HERD
Big Type Poland Chinas fall hogs and gilts for sale, priced right. Also 8 C. Rhode Island Red Cockerels. Eggs \$2 for \$1.00 or \$3.00 per 100. Write L. E. KLEIN, Zeandale, Kan.

Big Type Poland Chinas
15 fall hogs, August and September farrow. Some extra good herd headers here; weigh around 200 lbs., sired by a 1000 lb. boar, Ikey Longfellow 58961. Twice sweepstake boar; has 11 inch bone. If you need a young herd boar here is the place to get busy at once. F. C. Swierczinsky, Belleville, Kan.

Dean's Mastodon Polands
Poland China hogs, the big-boned type, will weigh when mature, 600 to 1,000 lbs. Will sell a few hogs of serviceable age, also choice brood sows and gilts, bred to my herd boars, for spring farrow. All
Immunized by Double Treatment
Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address
CLARENCE DEAN, WESTON, MISSOURI

POLAND CHINAS!
Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomes, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.
JOSEPH M. BAIER, ELMO, KANSAS.

A. D. JONES,
OF DUNLAP, IOWA
has for sale sows and gilts bred to 1,000 lb. boars, and 600 and 800 pound dams. To farrow in March, April, May and June. Strictly Big Type Poland Chinas—bred for length, bone and quick maturity. Send for price and description.

Glenwood Farms Announce
Bred Sow Sale, 45 head, May 1, 1913.
Short-horn Sale, bulls and cows, June 6, 1913.
Can spare no more bred sows until this sale. Have a few choice boars left. Plenty of Short-horns, 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.

DUROC-JERSEYS.

Duroc March Pigs \$9.00 and up, by Model and Tattarrax Boy. R. W. Baldwin, Conway, Kan.

A Fine Offering of Fall Boars and Gilts
Booking orders for spring pigs. Best of breeding.
R. C. WATSON, ALTOONA, KANSAS.

TATTARRAX HERD DUROCS
Fall yearling sows and gilts, by Grand Champion, Tattarrax and bred for May litters, to the good sire G. M. Tat Col. Write today for further particulars.
HAMMOND & BUSKIRK, Newton, Kan.

BRED GILTS I have an exceptionally fine lot of Duroc gilts bred to my prize winning boars for sale, bred right and red right. Write for prices and description.
CHAS. L. TAYLOR, OLEAN, MISSOURI

BIG TYPE DUROCS All kinds for sale. Our customers must be satisfied. We have what you want. Write us.
MOSER & FITZWATER, Goff, Kansas.

Royal Scion Farm Durocs
Fashionably bred Durocs. Spring and Fall boars and gilts by the great Graduate Col. 28219 and Col. Scion 100471. Out of choice dams. G. C. NORMAN, Route 10, WINFIELD, KAN.

Good E. Nuff Again King 35203
Heads our great herd. Sale average: March 11, sows, \$77.50, sows and gilts, \$52.00. Write for prices.
W. W. OTEY & SONS, Winfield, Kansas

HILSIDE DUROCS
Select young boars and fall gilts. A few good yearlings, sows and gilts, bred or open. Priced for quick sale.
W. A. WOOD & SON, Elmdale, Kansas.

Perfection Stock Farm!
Fall boars and gilts, also orders booked for choice spring pigs by State Fair Champions. Pairs and trios not related. Prices right.
CLASEN BROS., UNION CITY, OKLA.

College Hill Durocs
Bred sows and gilts for spring farrow for sale. Popular breeding. Farm adjoins agricultural college. Prices right.
W. W. BALES & SONS, MANHATTAN, KAN.

FALL BOARS BY DREXEL'S PRIDE
The sire of my show hogs. Spring pigs by him and Queen's Wonder 112317, a sensational Crimson Wonder Again yearling. All choice and priced right.
W. T. HUTCHISON, CLEVELAND, MO.

DUROC-JERSEY BOARS
10 head of well bred Duroc-Jersey boar pigs, healthy with good backs, feet, head and ears, dark cherry color, of popular breeding and priced reasonable, E. O. B. your station if wanted.
ARTHUR A. PATTERSON, Ellsworth, Kan.

BEAVER VALLEY HERD DUROCS
Sept. and Oct. boars and gilts sired by Grand Master Col. 2nd No. 94903; Grand Champion of Oklahoma, both 1911 and 1912; Defender's Col. by Defender and Select Col. by Chief Select, the great show and breeding boar. Satisfaction guaranteed.
W. A. WILLIAMS, Marlow, Okla.

Bonnie View Farm
Duroc-Jerseys: Extra fall pigs. Plymouth Rocks: Eggs in season.
Searle & Cottle, Berryton, Ks.

Quivera Place Durocs
A few, choice summer boars and gilts, sired by Quivera 106611.
E. G. MUNSELL, Herington, Kansas.

Dreamland Colonel
Stock for sale at all times. Oldest herd of Duroc-Jerseys in Mitchell county. Address
LEON CARTER, ASHERVILLE, KANSAS.

Bancroft's Durocs
We hold no public sales. Nothing but the best offered as breeding stock. Tried sows and fall yearlings bred. Spring gilts bred or open. Fall pigs, either sex. Pairs or trios not akin. Prices right. Customers in 6 states satisfied. Describe what you want. We have it.
D. O. BANCROFT, OSBORNE, KANSAS.

O. I. C. SWINE.
GOOKIN'S O. I. C. HOGS. Booking orders for different boars, out of sows not akin. Priced to sell.
F. C. GOOKIN, RUSSELL, KANSAS.

CHESTER WHITE HOGS
Good quality, either sex, the short nose kind. Write for prices.
FRANK PROCHASKA, Glasco, Kans.

Grand View Stock Farm
Choice O. I. C. fall gilts, bred or open. White Wyandotte chickens. Eggs for sale now. Stock in season. Write for prices.
ANDREW KOSAR, GLASCO, KANSAS.

O. I. Cs., Oxford Down Sheep, BARRED ROCKS
2 good boar pigs, large enough for service of the big breed, growthy kind. Also a few extra good gilts, bred to Commodore and out of Olimax, one of "The kind that wins."
W. W. WALTIRE & SONS, Peculiar, Missouri

Neef's Cholera Immune O. I. C's.
Pure bred seeds and S. C. R. I. Reds. Hogs all ages for sale reasonable prices. Special on sows and gilts bred for spring farrow. Have choice lot Reid's Yellow Dent, Boone Co. White and Carter's seed corn at \$2.00 per bu. shelled and \$3.00 in ear. Recleaned Texas Red Rust Proof seed oats and seed rye. Some fancy S. C. R. I. Red cockerels at \$1.00 and \$2.00 each. Eggs for setting \$1.00 per 15, \$4.00 per 100.
Riverside Farms, J. H. NEEF, Boonville, Mo.

with ordinary farm care. They develop into big growthy animals with lots of constitution and plenty of fleshing qualities. Mr. Taylor's shipping facilities are the best. He has access to C. R. I. & P., Santa Fe, Union Pacific and Missouri Pacific railways. If you want anything in Shorthorns address C. W. Taylor, Abilene, Kan., mentioning Farmers Mail and Breeze.

Kansas, Missouri and Iowa.

BY C. H. WALKER.

Chas. L. Taylor of Olean, Mo., proprietor of the Springdale Farm herd of prize winning Duroc-Jerseys, reports the sale of his Model Chief boar and two bred gilts, out of his prize winning sow, Queen Ester, to Mr. Farnham of Hope, Kans., for \$300. Mr. Farnham made a personal visit to the herd and after looking over the strong individuals, from which each year the show herd is recruited, said, "Any man who will visit your herd and see your stock will buy from you." A pretty strong testimonial, that, but one that Mr. Taylor deserves. Mr. Taylor yet has a few choicely bred gilts he is offering the trade. Those in the market should write or see them.

Groninger's New Boar.

In the Walter sale at Effingham, Kan., February 14, a few summer boars were sold at the latter end of the sale. They were an exceptionally strong lot as a whole, but there was one boar that was outstanding. This was Tecumseh Ex., a June 9, 1912, pig by Exalter. He was bought by Herman Groninger & Sons, of Bendena, Kas. Messrs. Groninger had owned Exalter (bought in Walter's sale two years ago) and in this boar had one of the best breeding animals they ever used in their herd. Exalter was by Expansive. They were unfortunate in losing him and were indeed fortunate in securing a son of Exalter to continue the work in the herd. This pig is even a better prospect at his age than was Exalter. He is one of the toppest, growthiest, smoothest young boars it has been the writer's pleasure to see in a long time and he should make his mark in the Groninger herd. He is out of Lady Tecumseh, by Blain's Tecumseh 2nd, which is another reason for his subsequent success.

Herd Headers At Walter's.

To any Poland China breeder or farmer who is in need of herd improving material the announcement that H. B. Walter of Effingham, Kan., has for sale a few choice boars will be of interest. Mr. Walter's herd ranks as one of the best in the country and in the steady advancement of this herd it has been the sires used that have played an important part. It falls to the lot of but few breeders to have such a prepotent sire as old Expansive proved to be in the Walter herd. Through the influence of this great sire, Mr. Walter has been able each year to offer the public an exceptionally highclass lot of breeding stock, herd improving material, that has gone into other herds and made good. Old Expansive has a lot of boars at the head of leading herds. When Expansive passed away, Mr. Walter was fortunate in his selection of a son of the old hog to continue his work. In other words that have been used in this herd the same care and good judgment have been exercised. The result is a herd of the first rank and a herd that is recognized as headquarters for boar material. His public sales of bred sows are among the best to be held each year. This boar that has been doing such good work in the herd since Expansive's day is Expansive Chief. Like his sire, the boar is not the best individual in the world, but like his sire he has the masculine qualities and the ability to breed on that makes him valuable. Among the best things on the Walter farm today is the young stock by Expansive Chief. This boar is for sale. He is offered for no fault, but because Mr. Walter has in training another son of Expansive that he desires to keep and for this reason is willing to let Expansive Chief go. He isn't priced high considering his breeding ability or his worth. He is a two-year-old and is out of Guy's Best, one of the best producing sows ever in the Walter herd. She was sired by Guy's Price 2nd, a championship winner. Here is a boar that should be an excellent buy for anyone in the market for a real herd header. He breeds the right kind of heads, the right kind of backs, the right kind of feet and legs, he gets them big and he gets them smooth—what more could be asked for in a boar? Of the younger boars prospective buyers will find specimens to suit the most critical. There are a half dozen of August and September, 1912, farrow sired by Expansive Chief and Long King's Best, the Long King boar that has sired such good stock for Mr. Walter and Mr. Graner the past year. These are mostly out of Expansive sows—a factor in itself of sufficient worth to insure good boars. These are big, strong lusty fellows with heavy bone, best of feet, legs, backs and heads and include a lot of toppy, herd heading material. We recommend that those in the market get in touch with Mr. Walter, regarding these boars. Long King's Best is the sire of 30 last fall gilts which Mr. Walter has in training for his 1914 bred sow sale and they are an exceptionally strong lot. He recently sold to the Henley Ranch at Green Castle, Mo., a son of Long King's Best out of the best Expansive sow he has on his farm for \$125. That shows the character of this boar's get. An important factor is that these boars are immune from cholera. Write Mr. Walter for detailed information, or better still go and see them.

Iowa and Nebraska

BY GEO. W. BERRY.

R. B. Baird of Central City, Neb., is meeting with splendid success with his early litters of Poland China pigs. Mr. Baird's farm is the home of the famous Columbus, No. 176435, the 1,050 pound boar that achieved the distinction of winning the grand championship honors at the state fairs of Nebraska, Kansas, Missouri and the American Royal, achievements unequalled by any other boar in recent years. Mr. Baird has been successful in saving about 90 head of February and March pigs and has several prospective litters to farrow later, about half of which are the get of the great Columbus. Mr. Baird's bred sow sale which was held

Lookabaugh's SHORTHORNS

Sold on Time at Private Treaty



On six or nine months' time. Yes, the early bird catches the worm. I mean it. If you can make a good note, write. I want to do an honest business with honest people. I want to scatter pure Scotch Shorthorns of the best breeding to be found in the Shorthorn herd books all over Oklahoma, and we have been doing it, too. Our sales for one week, the last week in January, 1913, were \$2655.00. I have just got started. I want you to realize that I am chuck full of business. I don't need the money. I have Shorthorns of all ages, priced from \$50 apiece up to \$500 and \$1,000. They are cheap at our prices. Why? Because the purchasers say so, by buying. Not one man has come this fall that did not buy. I want to please you. Give me a chance. A satisfied customer is a pleasure and a living advertisement. I cannot afford to treat you wrong. I am anxious for each little herd that I sell to make good. Why? Because I want to build my business on a solid foundation. That's why! Let me help you select a few to start with. They make money while you sleep and in five years, if you sleep that long, you will be awakened by the cry of "high-priced livestock." Big boned Poland China hogs and home-grown alfalfa seed in any quantities up to one carload. Mail orders guaranteed to suit, or animal may be returned if cared for properly and money will be refunded. Visitors always welcome at Pleasant Valley Stock Farm. Write your wants today. Address

H. C. LOOKABAUGH, Watonga, Okla.

Registered GALLOWAY CATTLE

We Breed Market Toppers." JAS. & W. R. CLELLAND, New Hampton, Mo.

O. F. C. SWINE.

O. I. C. Pigs Pair, \$25.00, Harry Haynes, Meriden, Kansas

O. I. C. 125 HEAD HOGS Pigs in pairs, Bred Sows and Service Boars
W. H. Lynch, Reading, Kansas.

HAMPSHIRE.

WRITE J. F. PRICE, Medora, Kans. For prices on Pedigreed Hampshire Hogs

PURE BRED HAMPSHIRE Breeding stock all sold. Booking orders for spring pigs.
ALVIN LONG, Lyons, Kansas

Pedigreed Hampshires of various ages, not a kin. - Four boars, 8 months old.
C. E. LOWRY, Sumner County, OXFORD, KANSAS.

Hampshires All Sold I have sold every sow that we can spare. Am booking orders for May and June delivery. Low prices. First orders get March pigs.
T. W. LAVEROCK, PRINCETON, KANSAS.

BERKSHIRE.

LEON A. WAIT'S Berkshires A good herd at Winfield, Kan., headed by Lord Duke 8d, 182802.

Hazlewood's Berkshires! Choice spring boars and gilts priced to sell. Write today.
W. O. Hazlewood, W. S. Wichita, Kansas

GOOD SOWS BRED

to champions and grand champions. I also have some splendid fall pigs that I will sell single or in pairs no kin.

C. G. NASH, Eskridge, Kan.

BERKSHIRES, SHORT-HORNS and JERSEYS

FOR SALE—25 boars by Robinhood Premier 2nd or Rival's Lord Premier, and out of sows representing such sires as Imported Baron Compton, Berryton Duke and Premier Longfellow. Also a choice Shorthorn bull calf by Silk Goods and out of a show cow.
W. J. GRIST, :: OZAWKIE, KANSAS

GALLOWAYS.

G. E. CLARK, W. W. DUNHAM. CAPITAL VIEW GALLOWAYS. 12 Miles West of Topeka. Can furnish car of good bulls ranging in ages from calves to 2-yr.-olds. Can suit your wants. Write
CAPITAL VIEW RANCH, Silver Lake, Kan.

Fort Larned Herd 40 REGISTERED BULLS. 20 GALLOWAYS and 20 RED POLLS, 10 to 20 months old. Priced to sell.
E. E. FRIZELL, LARNED, KANSAS

RED POLLED CATTLE.

Foster's Red Polls Write for prices on breeding stock.
C. E. FOSTER, R. R. 4, Eldorado, Kansas.

Angus Bulls For Sale M. H. ARNOLD, TORONTO, KANSAS.

RED POLLED BULLS and heifers by Actor 7781 and Launfal 18221. Cows large, plenty quality, represent best milking families. Also large type POLAND CHINAS. Pigs. Write or come.
CHAS. MORRISON & SON, Phillipsburg, Kan.

POLLED DURHAMS.

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

Prize Winning Polled Durhams One yearling bull and several bull calves sired by Roan Choice (Jr. Champion of 1911), also a few young cows and heifers. All from the greatest show and prize winning herd in Kansas or the West.
C. J. WOODS, CHILES, KANSAS.

ABERDEEN-ANGUS.

ANGUS CATTLE Bulls and females for sale; singly or in carload lots. Address SUTTON & PORTEOUS Lawrence, Kan.
RIDGE PRAIRIE ABERDEEN ANGUS Rutger Heatherson 3d 118104, a choicely bred Heatherson, in service. The best families represented. A few choice cows, bred, and open heifers for sale. Prices right, satisfaction guaranteed.
W. G. DENTON, DENTON, KANSAS.

HEREFORDS.

Mathews Herefords

We are offering 20 registered helpers about 11 months old. ANXIETY 4th blood predominates.
FRED MATHEWS & SONS, Kinsley, Kan.

KLAUS BROS.' HEREFORDS

A few choice young bulls and helpers for sale, sired by Fulfiller 3rd, Fulfiller 25th and Beau Onward. Our calf crop is the best we ever had.
KLAUS BROTHERS, BENDENA, KANSAS.

Star Breeding Farm

HEREFORDS Headed by Tophon 4th. 90 Bulls, 14 to 30 mos. Single or carloads. Can spare a few females in lots to suit buyer.

DUROCS Of most fashionable breeding headed by Model Top 77403. Choice individuals of both sexes for sale at all times.

Sam'l Drybread, Elk City, Kansas

Modern Herefords**ROBT. H. HAZLETT**

Hazford Place
Eldorado, Kansas

SHORTHORNS.

SHORTHORN CATTLE

POLAND CHINA SWINE and CLEVELAND BAY HORSES. All stock pedigreed. Prices reasonable. **Thos. B. Murphy & Sons, Corbin, Kas.**

SHORTHORNS

4 bulls from 7 to 10 months. Roans and reds. Scotch Topp. Address, **L. M. NOFFSINGER, OSBORNE, KAN.**

Pearl Herd of Shorthorns

Young bulls up to 13 months of age, either Scotch or Scotch-Topped breeding. Well grown and in good growing condition. Can ship via C. R. I & P., A. T. & S. F., U. P., and Mo. Pac. Address

C. W. TAYLOR

ABILENE : : KANSAS

DAIRY CATTLE.

HOLSTEINS FOR SALE 50 head registered bulls. 33 head milking and coming fresh grade helpers and cows. **M. P. KNUDSEN, Concordia, Kansas**

BANKS' FARM JERSEYS

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

W. N. BANKS, Independence, Kan.

OAK HILL HOLSTEINS

Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Helpers bred. Also a few fresh cows. All tuberculin tested.

BEN SCHNEIDER, NORTONVILLE, KAN.

Neosho Breeze Stock Farm

offers for sale high grade Guernsey bull calves, 2 to 4 months old, \$15 to \$22.50. Reg. Duroc-Jersey Sept. boars, \$15 and \$20 each. S. C. Buff Leghorn eggs \$1.00 per 15, farm range. **John Perenoud, Humboldt, Ka.**

HOLSTEINS - CHOICE BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

LINSCOTT JERSEYS

Only officially tested herd in Kansas. FOR SALE: A two-year-old Eminent bull, \$125. A two-year-old bred heifer \$125, cows \$150.

R. J. LINSCOTT, HOLTON, KANSAS

BONNIE BRAE**Holsteins For Sale**

75 head high grade Holsteins, consisting of coming 2-year-olds and about 50 head of heavy springers, from 2 1/2 to 5 years old. All first class dairy cattle. Also registered bulls.

IRA ROMIG, Sta. B, TOPEKA, KANSAS.

Holstein Bulls

cows and helpers at farmer's prices. 25 reg. bulls ready for service, as well bred and well grown as money can buy. 25 reg. cows, helpers and helper calves. 50 high grade cows and helpers. All tuberculin tested and priced to sell. Write or come at once.

H. GLISSMAN, Sta. B, OMAHA, NEB.

**Butter Profits**

You ought to get more butter profits. Jersey Cattle mean more butter profits, because they yield more butter fat at less net cost of keep than any other breed.

THE JERSEY

excels in beauty of dairy type. She is a persistent milk. Jerseys are easily acclimated. They live long and keep healthy. They mean steady butter profits. Write now for Jersey facts. Free for the asking.

AMERICAN JERSEY CATTLE CLUB
334 W. 234 St., New York

in February was the record breaking sale of the season. He is receiving many inquiries for young stock and expects the best trade during the year that he has ever experienced. Attention is directed to his advertisement in this paper.

Aberdeen Angus Cattle.

Sutton & Porteous, breeders and owners of one of the largest herds of Aberdeen Angus cattle in the United States, located at Lawrence, Kan., are at present making special offerings at private treaty of both bulls and females in carload lots. The Sutton & Porteous herd in late years furnished the sires which have to their credit many of the prize winning and champion fat steers at the big shows, including Denver, Kansas City and Chicago. Parties looking for a bull to head a good herd or a car lot for pasture use should consult Sutton & Porteous, Lawrence, Kan.

Well Bred Holsteins.

H. B. Cowles, Topeka, Kan., is a successful breeder of registered Holsteins and is the owner of one of the best milking herds of this breed in the West. This herd is one of the first herds of this heavy milking breed to be established in the state and has been carefully bred with the view of usefulness. Mr. Cowles has a few choice males which should go to head the good herds. His farm adjoins the city of Topeka and is easy of access, by street railway. Parties from a distance will be met at trains or hotels if he is notified. If interested in the highest type of dairy cattle write or call on H. B. Cowles as above addressed.

Galloway Cattle.

A carload of Galloway bulls is advertised by G. B. Clark and W. W. Dunham of Capital View Farm, Topeka, Kan. These gentlemen offer also a few extra bulls suitable to head herds. The Capital View herd of Galloways is one of the largest and most carefully bred herds of this breed, and with a large number of bulls on hand they are in position to make selections and assist prospective buyers in securing choice individuals. Capital View Farm is located a short distance from Topeka, and parties from a distance will be met at trains or hotels and conveyed to the farm if notified in time.

Black Mammoth Jacks.

Anyone wanting a Jack of the black Mammoth variety should call on Mr. Al E. Smith, Lawrence, Kan., the proprietor of one of the greatest Jack and Jennet breeding establishments in the West. Mr. Smith's long experience in the breeding and management of Jack stock is a valuable asset, and prospective buyers who visit him find his assistance valuable in making selections. He is the owner of one of the largest and best collections of Jennets to be found on one farm. His Jacks have the size, height, style and conformation so much sought by discriminating breeders and mule raisers, the kind that sires the big, heavy boned, stylish mule with quality. If sufficiently interested write Mr. Smith or call on him at above address, kindly mentioning this paper.

Large Berkshires.

C. G. Nash of Eskridge, Kan., one of the most successful breeders of large Berkshires, is prepared to fill orders for breeding stock of most all ages, and is making a special offer of bred sows, the big useful sort that are in demand. It is safe to say that no other breeder of Berkshires has done more to keep this breed up to the standard of requirements than has C. G. Nash. His Berkshires are noted for great size, heavy bone, and early maturing, and easy fleshing qualities. He has been a persistent and successful exhibitor at the state fairs and the big shows, where his Berkshires have attracted attention especially for the size, quality and uniformity in the under year classes. He is at present using the prize winning boars progressively and combining great size, smoothness and finish. Look for his advertisement in this paper, and write or call on him, mentioning Mail and Breeze.

W. J. Grist's Stock Farm.

The Grist Stock Farm, located at Ozawie, Kan., the home of herds of Berkshires, Shorthorns, Jerseys and thoroughbred horses, is one of the most interesting places which it has been the pleasure of the writer to visit. Few men have been so deeply engaged in the breeding of different classes of improved stock than has W. J. Grist. He is one of the most successful breeders of thoroughbreds in the country and has justly achieved a national reputation with his stud of English and American bred horses. His herd of Jerseys comprises a collection of choicely bred animals selected from the best herds in the East. The foundation for his Shorthorn herd was based on animals selected for their individual merit as well as richness of blood lines. His herd of Berkshires was founded on stock imported directly from England and every one of his breeders is descended from the original importation. Mr. Grist at present is making a special offering of boars and can spare a few good sows. Write him or call upon him and enjoy a visit on his farm.

Geo. Allen & Sons' Shorthorns.

The sale of Shorthorn cattle announced by Geo. Allen & Sons of Lexington, Neb., to be held at South Omaha, on April 22, is perhaps the most important cattle sale for some time and no doubt will attract universal attention. The herd of Shorthorns was established by the late George Allen, said, by well informed judges, to be the best bred herd of Scotch Shorthorns in America. The herd was founded with individuals selected from the best herds in America and Great Britain, and one of the first sires used in the herd was the noted Amos Cruickshank. Godwin, and whose pedigree shows that all of his ancestors on both sides for four generations were bred by the world's great cattle breeder, Imported Spartan Hero and his dam was Imported Golden Thistle by Roan Gauntlet and her dam was by Champion of England. It has been stated that Mr. Allen was one of the most liberal buyers of strictly high class Shorthorns that frequented the sales of the best herds in the country, and from time to time he replenished his breeding herd with choice cattle representing the best

JACKS AND JENNETS.

JACKS AND JENNETS

50 Registered, big-boned, black from colts to 16 hands high; fine body and style, best breeding. A certificate with each animal sold. Jacks, prices and terms right. Nothing better for Oklahoma and Texas as they are acclimated here.

KINGFISHER VALLEY STOCK FARM,
J. H. Smith, Proprietor, Route 3, Box 17, Kingfisher, Oklahoma.

Leavenworth County**Jack Farm**

40 Jacks and Jennets for sale, 3 to 8 years old. Of good quality, bone and substance. Write for prices or come and see them.

Corson Bros., Potter, Kan.

JACKS AND JENNETS.

Jacks and Jennets

One of the largest selections of large Black Mammoth Jacks in the West, 15 to 16 hands standard. I have the large kind that all are looking for; the kind that bring the large high-class mule. Reference: the five banks of Lawrence.

AL. E. SMITH, LAWRENCE, KANSAS.

Oakland Stock Farm

The Jacks on this farm are all raised there. This is strictly a breeding farm, and not an assembling place of other people's breeding. Five went out last week, with 25 more still there. We sell the good ones cheaper than anybody, because we raise them. Every Jack is guaranteed a breeder. If he is not a breeder he isn't worth thirty cents, and the man who raises him should lose him and not the buyer. Will sell them from \$400.00 up; cash or time.

OAKLAND STOCK FARM, Chillicothe, Mo.

Mammoth Jacks, Percheron Stallions**14 Head of Kentucky Mammoth Jacks**

from 3 to 6 years old, from 15 1/2 to 16 hands high with 9 and 10-inch bone; priced to sell quick. Write today for prices and description. Five Percheron stallions left for sale cheap. Farm and sale barn on 21st Street, one mile east of Wichita Union Stock Yards.



J. C. KERR, Wichita, 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 Million 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, Waldoch Ranch, PRATT, KANSAS.

Percheron, Belgian, Shire and Coach Stallions and Mares

15 years in the horse business. Never had a law suit, have never sued a man for collection. Each sale is accompanied with a genuine good guarantee from Nolan. Our horses are from one to five years old.

J. M. NOLAN, PAOLA, KANSAS

**They Are So Different!**

All Imported, both PERCHERONS and BELGIANS. Last importation arrived Sept. 1st. The selects of both countries. I buy my own horses. All sound, big, flat boned. Ages, two and three years. Prices reasonable. Perfect guarantee goes with each horse and for two years at that.

W. H. RICHARDS, V. S., (Stables in the City) Emporia, Kansas

**25 Percheron Stallions****At Greatly Reduced Prices**

25 SERVICEABLE AGE STALLIONS AT BARGAIN PRICES FOR THE NEXT 40 DAYS. If you are in the market for a stallion come and see them. We sell you MORE HORSE FOR THE MONEY than any other firm in the United States.

BISHOP BROS., Box A, Towanda, Kan.

Percherons and Royal Belgians

We have decided to offer all of our state fair prize winners, 22 stallions and mares for sale. Every one of these horses has been shown and has been a prize winner at the shows of 1912. These stallions and mares will be sold at exceedingly low prices, quality considered.

We are showing some other good stallions and mares, which we offer at prices that defy competition.

We earnestly request you to look over our stallions and mares, before buying.

True photos from life on application. Address **WOLF BROS., Albion, Boone Co., Neb.**

IMPORTERS and BREEDERS



JACKS AND JENNETS.
JACKS AND PERCHERONS
The biggest and best Mammoth jacks in Kentucky and a few Percheron stallions. Will cut from \$100 to \$300 on every one. A big stock of high grade Percheron mares, also Hampshire and Big Black pigs. Write your wants and the Cloverdale farm.
T. BROWN & CO., Lexington, Ky.

JACKS AND JENNETS
Head good black jacks, ages from 2 to 5 years; large, heavy-boned, bred to mares and prompt. Prices reasonable. See me. Barns, miles of town.
PHIL WALKER, Lincoln, Elk Co., Kan.

20 Jacks
Coming one to seven years. The big, rugged kind. Can sell you tried jacks, show jacks or herd headers worth the money. Everything guaranteed as represented.
T. HINEMAN, Dighton, Kan.

Jacks for Cash or Trade
Two Mammoth bred Jacks, 4 and 5 years. Will sell, worth the money, part terms right party, or trade for good mares or bred or high grade cattle. Address
F. McALISTER, Severy, Kansas

Mammoth Jacks and Jennets For Sale
From 2 to 5 years—big boned, black jacks with white points. 15 to 16 hands. No better bred ones in the country. Of our Missouri, Illinois and Iowa prize winners for sale. Been breeding jacks for years. Mention this paper and write or me to
RIEHLING & OTTO, QUEEN CITY, MO.

JACKS AT PRIVATE SALE
If you want the good kind, come to one of the oldest breeding barns in the state, where you will find the large, big boned, black fellows that will do your country good, at prices you can afford.
G. M. SCOTT, Rea, Mo.

PUREBRED HORSES.
Percheron Stallions, Holstein-Friesian Bulls, etc. right. **H. N. HOLDEMAN, Mende, Kan.**

100 Percherons Stallions and Mares For Sale.
Ingmaster & Son, Keota, Iowa

Best Imported Horses Home-bred registered draft stallions—\$250 to \$850 at my stable doors.
LATIMER WILSON, CRESTON, IOWA.

Clydesdale Stallions and Mares
I have a number of Clyde Stallions, many of them of my own raising, that I will sell less than 1/4 of the regular importer's prices.
R. O. MILLER, LUCAS, IOWA.

Human's Pioneer Stud Farm
America's Largest Importers

Shire, Percheron and Belgian Horses
Write for Illustrated Catalogue.
HUMAN'S, Box E, BUSHNELL, ILLINOIS

Percherons--Red Polls
Will sell several choice Percheron stallions, blacks and greys, of serviceable age (3 to 6 years), weighing from 1800 to 2200 lbs. and broke to serve. Also a fine bunch of choice
ED POLLED BULLS
20 months old, good ones, all fully guaranteed and priced low for next 30 days. Address
EO. W. SCHWAB, Clay Center, Neb.

TALLIONS and JACKS
Percherons and Belgians, also Mammoth Jacks and Jennets. State Fair winners and all at prices that will move them. Write today describing your wants.
C. F. COOPER, Box 4, Hutchinson, Kan.

FOR SALE AT
Riverside Stock Farm
10 Head of Young Stallions Registered
4 head of Percherons coming 3 years old, weighing from 1650 to 1800 lbs. Any one will make a ten horse team coming 2 years old; all black, weighing from 1600 to 1800; when matured will weigh from 2200 to 2400. They are the big bone kind. 2 black, registered, 2-year-old Percheron mares. 2 standard bred stallions that weigh 1250 to 1280. 1 imp. Ger. Coach stallion, Mikus 4861 (133105), brown, 16-2, weighs 1330 lbs., 7 years old and sound. 4 head of young Mammoth bred black jacks from 15 to 15 1/2, good, heavy boned and well broke. All these animals will be sold cheap for the quality. Pedigrees and breeding quality guaranteed.
O. L. Thisler & Sons, Chapman, Kan.
50 miles west from Kansas City, Mo., on the main line of the Union Pacific R. R.

blood lines, especially of the leading Scotch tribes. At the time of his death the herd consisted exclusively of the best Scotch families such as the Victorias, Lavenders, Secretas, Missies, Claras, Duchess of Glosters, Orange Blossoms, and other well known tribes, and for several years has been headed by the great breeding bull, Victor Sultan, a son of the celebrated Whitehall Sultan and Imported Bessie 52d of W. S. Marr's breeding. A large part of the young herd consists of the get of Victor Sultan, who has proved a sire with few equals and no superior in this country. As was stated in the notice of the death of Mr. Allen, in a late issue, the business of breeding Short-horn cattle and Shropshire sheep as was conducted by him for a number of years, will be continued by his four sons under the firm name of Geo. Allen & Sons as before Mr. Allen's death. The offering which the sons will make on April 22 consists of 55 head of as good cattle as the herd affords, including 10 bulls and 45 females, all of which are of strictly pure Scotch breeding. The bulls which will be mentioned in detail in a later issue are choice individuals, will be sold in splendid condition and are fit to head the best herds of the breed. The cows will be bred or have calves at foot by Victor Sultan mentioned above, Avondale's Best, a son of the famous Avondale, Count's Victor, a Victoria bull, or Combination, a son of Victor Sultan. Catalogs will be mailed to all sufficiently interested to write, addressing Geo. Allen & Sons, Lexington, Neb.

Linscott Jerseys.
The genuine and deserved success of R. J. Linscott, breeder of high class Jerseys, Holton, Kan., is among the remarkable achievements in livestock breeding, during late years. The Linscott herd has the distinction of being the oldest herd of purebred Jerseys in Kansas and further is the only registered herd of merit in the state. This herd was established about a third of a century back by the father of the present owner and has been bred to the highest standard of excellence by the owners. The herd has gained a national reputation as a producing herd of heavy milkers and butter makers, as well as on account of the richness of the pedigree. Mr. Linscott's business methods have enabled him to build up a very extensive trade and many of the good herds throughout the country owe their origin to this herd. Linscott bulls head many of the best bred herds in the states. Attention is directed to the advertisement in this paper.

Kansas and Missouri
BY ED. R. DORSEY.

We are glad to know that J. T. Bayer of Yates Center, Kan., has concluded to stay in the fine stock business, as he is one of Kansas' best breeders and exhibitors of Berkshire hogs and Shorthorn cattle. In a letter of recent date he says, "I only have 15 registered cattle but they are looking fine." He thinks he has 30 of the best sows he ever owned at one time. He has 60 head all told. This includes some extra good fall males, that would do to go into the show this fall, if they keep growing as they are at present.

Poland China and Shorthorn Sale.
C. S. Nevius, owner of Glenwood Short-horns and Poland Chinas, is claiming May 1 for his bred sow sale and June 6 for a Shorthorn sale. In the bred sow sale Mr. Nevius will sell 45 head of the Designer kind, the Shorthorn offering will contain tops from this splendid herd and consist of both bulls and females, of the Seerslight and Prince Pavona type. If interested in either offering write Mr. Nevius requesting him to put your name on mailing list for catalog in which you will be interested.

New Herd Boar Best Price.
"Best Price" is the name given by Frank Dietrich to the new herd boar which is to head the Dietrich & Spaulding herd of Poland Chinas at Richmond, Kan. Best Price is of August farrow and out of a litter of 14. He is sired by Blake's Best and out of Jumbo Price. Blake's Best is by Chief Price 2d and out of Pride of Walnut Creek by Columbia Chief 3d. Jumbo Price is by Chief Price, by Grand Chief 3d, and out of Big Betty 337462. A 7 months of age Best Price had 7 1/4 inch bone. His full brother of March farrow weighed at 12 months, 596 pounds. Best Price gives every indication of making equally as good growth. He is line bred and bred right. In conformation he has a wonderful back, extreme width of ham, good bone and splendid length of body. In breeding he is just the boar for which Dietrich & Spaulding have been looking, to use in connection with their great herd boar Gold Mine. A few Gold Mine gilts will be bred to Best Price for fall litters and offered for sale. This ought to produce something outstanding in point of excellence. For further particulars write Dietrich & Spaulding, Richmond, Kan., and mention Farmers Mail and Breeze.

Growthy Bred Gilts.
Dietrich & Spaulding, Richmond, Kansas, have sold all the bred sows they had for sale, but have a fine lot of gilts bred for summer farrow, which they will sell at right prices. These gilts are the good, growthy kind and have good bone and feet, good coats and fine heads and ears. They are being bred to Gold Mine, third prize boar at the Kansas City Royal Show, in 1912. He weighed 690 pounds when 17 months' old. They are breeding a very few to the great young boar Best Price, by Blake's Best out of Jumbo Price. The dams of the gilts are big and smooth with easy feeding qualities. They are bred big and will be big. They are in good condition to breed. The following is a letter from a man that bought a Gold Mine gilt bred to Wide Awake. "Mr. C. F. Dietrich, Richmond, Kan. Dear Sir--We thought you might be interested to know that our Gold Mine gilt farrowed eleven pigs on the ninth. To say we are mighty proud of her is putting it in very mild form. She makes an ideal mother. Respectfully yours, Ed. Welter, Flush, Kansas." This firm enjoys the reputation of not only breeding the best in Poland Chinas, but being absolutely on the square in all their dealings. If you want a good Poland China gilt, write them.

Lamer's Percherons

A choice lot of Stallions and Mares to select from. Owing to this time of season, we are quoting prices that will certainly interest you.

Inquire about them



P. S. We are offering, for a short time only, 15 GOOD KENTUCKY JACKS.

C. W. Lamer & Co.
Salina, Kansas

Stallions and Mares at Bargain Prices

Percherons, Belgians and Shires

95 Head of Stallions and Mares

Forty Percheron Stallions, 2 to 4 years old, blacks, greys and a few bays all registered in the Percheron Society of America. Several of these 2 year olds will now weigh 1,800 to 1,950. Price \$500 to \$1,000. Three, a little higher.

Fifteen Belgian Stallions, 2 to 5 years old, bays and sorrels. Two-year-olds that are weighing a ton. Price, \$500 to \$1,200.

Thirty Percheron Mares 2 to 8 years old; blacks, bays and greys, all registered in the Percheron Society of America. Twenty-two showing heavy in foal. Price, \$300 to \$700.

Ten head Shire Stallions and Mares I will sell at bargain prices. All of these Stallions have been examined and found to be of pure breeding and sound and certificate as such will go with each horse; if you want a real bargain in an imported or American bred Stallion or Mare come right away as I mean business.

L. R. WILEY, Emporia, Kan.

ROBISON'S Percherons

For sale now: Twenty-five good young stallions, either imported or American bred. Send for catalog of Farm.
Next sale, May 21. Fifty yearlings and two-year-olds

J. C. Robison, Towanda, Kan.



Imported Stallions: Percheron, Shire, Belgian

Each year we show our New Importation the same Month they land. Each year they win more than all other Exhibitors combined. At the American Royal this year, we won 2nd on 4-year-old Percheron, 1st, 3rd and 4th on 3-year-old, 1st and 3rd on 2-year-old, and 1st and Champion Group of Five Stallions. Our Horses are Handsome and the best to buy; Our Guarantee and Insurance the very best.

PERCHERON IMPORTING CO., Chas. R. Kirk, South St. Joseph, Mo.



I WANT EVERY READER of Farmer's Mail and Breeze to WRITE ME for MY CATALOGS

Wm. Galloway

I want you—the man who is holding this paper in his hands right now—to write to me right away. I'm making a special appeal to readers of **Farmer's Mail & Breeze**. I've got something special to offer every one of you. I know what kind of farmers read this great paper. They're my kind—the up-to-date, wide-awake kind—the kind I like to do business with.

You know what I've done in the past—saved more money for the farmers of this country and given them a squarer deal than any other manufacturer. That's why I've been able to build up a mammoth business here in so short a time. Now, this year I'm going to break all my own records. And I'm going to do it by putting some special propositions right up to the best farmers in the country. I'm going to make you some offers that are so amazing that you simply can't get away from them.

Over one hundred and twenty-five thousand farmers know by actual experience that

The Only Way Is THE GALLOWAY

And I want you to be the next one. I want to show you just what a man can do for you when he will sell you direct from his own factories to your farm. I want you to see for yourself what an amazing difference it makes in prices when you don't have to pay one single middleman's profit. Write me—you won't be under the slightest obligation. Just get this wonderful story. I'll show you how you can save hundreds of dollars in the next year alone. I'll give you the evidence—then let you decide. Send me the coupon, or a postal or letter, right now.

I'm Going to Tell You Some Inside Facts About My Business

I haven't any secrets about my business. The more my farmer friends know about my affairs the better I am satisfied. I've made good—but I know that every bit of my success is due to the fact that every single man who does business with me has found that he can trust me absolutely.

I'm a farmer myself—always have been and always will be. I was born and raised on a farm and I know what you're up against when it comes to buying right, because I've been through the mill myself.

That's why I got into this business. I used to sell farm implements for other people. I didn't keep it very long because I saw with my own eyes every day the actual evidence that convinced me that the farmer simply couldn't get a square deal and the money's worth as long as he had to pay a lot of middlemen's profits which were always loaded onto the real value of the goods. Why, I could tell you of any number of cases where the profits were so much greater than the real value of the article that it seems almost unbelievable.

I made up my mind to see if the cheaper and better way wasn't to manufacture my own goods—making them just the best that could be made—and selling them direct to the farmers at a price that would be a small way because I didn't have much money. But it didn't take long to prove that my faith in the intelligence and buying judgment of the men on the farms was founded on solid rock. My business has been tremendous right from the start. My profits have been small—smaller than almost any other manufacturer in the country. And I'm going to keep 'em that way. I'd rather make a small profit and sell a lot of goods than a big profit and sell a few goods.

Of course, I've made enemies among the other manufacturers who tell me I am "spelling business." I'm sorry, because I don't like enemies—but I am working to help you get your well-earned share. Naturally the dealers don't like me very well, either. I stand in the way of their big profits. That's why a lot of them have gone out of their way to misrepresent my business. They can't do that very well any longer, now, for I've made a \$5,000.00 Challenge Offer to any man or company in the world who can prove that every word of Galloway's story is not true not exactly as shown, or can disprove any statement or claim I make. I'll send you a copy of this challenge offer when you write me. Besides that, I protect every single man who does business with me with a \$25,000.00 Cash Guarantee Bond that makes it just as safe for you to do business with Galloway as with the United States government.

Now, I want you to find out just what all this means to you in cold, hard cash. I've enlarged my line tremendously for 1913. I am offering new bargains and bigger bargains than I have ever been able to before. I want you to get the proof for yourself.

Now Send for My New

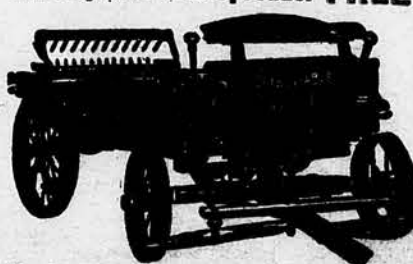


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