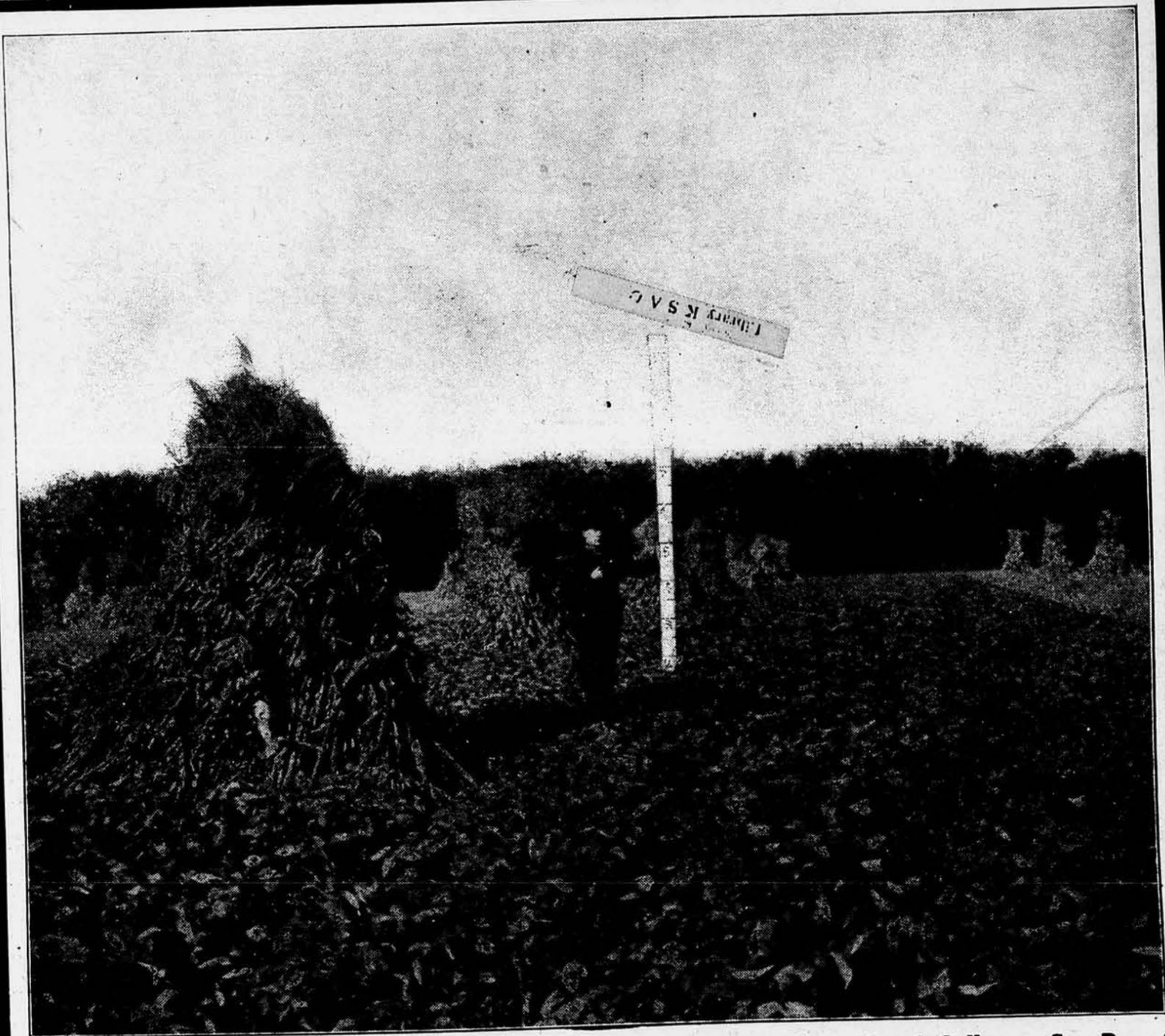


THE FARMERS MAIL AND BREEZE

Volume 42

May 4, 1912

Number 8



Cowpeas Planted in Corn at Last Cultivation on Farm of Kansas Agricultural College. See Page 3
(Photo by S. C. Orr.)

A FARMERS' ELEVATOR at a grain shipping point usually means a price of from 2 to 3 cents more per bushel for grain. And that's an interesting fact in a crop year of such promise as this. C. Vincent, the author of Nebraska's new law for co-operators, has written for next week's Mail and Breeze an intensely interesting account of how Nebraska Farmers market their farm crops and how they organize elevator companies.

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THE FARMERS MAIL AND BREEZE

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THE COWPEA'S WIDE RANGE OF USEFULNESS IN KANSAS

AS THE years go by there comes greater necessity for a system of farming that will maintain or increase the productivity of the soil and protect it against need of the expensive and unsatisfactory commercial fertilizers. This calls for a larger use of the legumes, in a well-ordered diversity. One of these becoming more extensively cultivated and known to be extremely valuable is the cowpea, held in high esteem in the southern states for decades.

The cowpea is an annual, and as a soil renovator it is probably without a peer, not excepting even the wonderful alfalfa. Its roots are deep feeders. This not only makes the soil porous, freely admitting light, air and rain, but the vines of some varieties often quite completely cover the ground toward maturity, which prevents weeds and conserves moisture. Another resemblance to alfalfa is in its powers through the bacteria that live on its roots to collect nitrogen from the air and store it in the soil for the benefit of subsequent crops. It is not only noted for this, but for rendering soils loose, friable, retentive of moisture, and more easily tilled, because better aerated, early in the spring. In fact, with previous proper tillage, after cowpeas many soils are, with harrowing or disking, ready for sowing wheat, alfalfa, clover and grass without further preparation. This applies to open, sandy soils as well as to stiff clays.

The cured peavine hay contains a large percentage of digestible protein, is richer than that of red clover, almost equal to alfalfa and wheat bran, worth practically four times as much as timothy, and the yield is not infrequently as high as 4 tons to the acre. These facts emphasize its value as a means of supplying in a measure the deficiency of protein produced on the farm with which to properly balance the carbonaceous crops, such as corn and Kafir.

The cowpea is not only prized for its hay and the benefits to the soil, but it is valuable as a catch crop, for soiling, silage, green manuring and grazing, although owing to its habits of growth the latter is not regarded as its most economical use, except possibly for hogs. In the fall, however, until frost, when pastures are often short, livestock of all kinds may be profitably ranged on it, and grown with corn the two afford a ration for swine that is about complete. Pasturing preferably should begin before the leaves fall and as the pods are turning yellow. It may cause bloat in ruminants, but the danger is not so great after the vines have made full growth.

The ease with which a stand is secured and its quick maturing habit recommends the pea for short rotations, and it is especially useful when clover does not catch, as is frequently the case. It is said that a growth of cowpeas will deposit in the land in three months as much nitrogen and humus as will clover in five or six times that period. As silage the peas mixed with the green corn, and composing say about 25 per cent of the whole, are found excellent.

In corn-growing territory cowpeas are mostly grown with corn, sowing broadcast or otherwise. Commonly this is done at the last cultivation, drilling close to the corn rows and using, say, 3 pecks of seed. If two or three rows are sown between the corn more seed of course will be required. When the ears have been gathered, the blades and stalks of the corn and the peas make valuable grazing for all kinds of livestock, especially for fattening sheep and cattle. This combination is also excellent for

How to Use This Soil Renovator and Ration Balancer to Best Advantage

BY F. D. COBURN

Written Expressly For Farmers Mail and Breeze

silage, but for that purpose the corn and cowpeas might with advantage be sown together at the same time, with a corn-planter, having drill attachment, using mixed equal weights of the seeds of both. In a way this is probably preferable to growing the two crops separately for ensilage, but growing them together adds to the difficulties of their harvesting and handling. Peas and the sorghums grown together—either the saccharine or Kafirs—make excellent hay. The mixed seed may be sown from the same hopper at the rate of about 4 pecks of peas of the late varieties to 2 pecks of sorghum, in rows 2½ to 3 feet apart. This may be sown at any time when conditions best suit until the fore part of July. Peas with oats make a valuable soiling crop, and peas are also grown with millet and soybeans.

So long ago as 1900, the experience of a prominent Kansan, one of the leaders in agricultural thought and practice, in the Kaw valley, was that potatoes following cowpeas yielded about twice as much as those on "similar ground lying along side, planted at the same time, with the same seed and receiving the

same after-treatment." Also that "the palatability of the peas, either green or dry, to cattle and horses is remarkable, and as a milk producer beats anything known at the same cost."

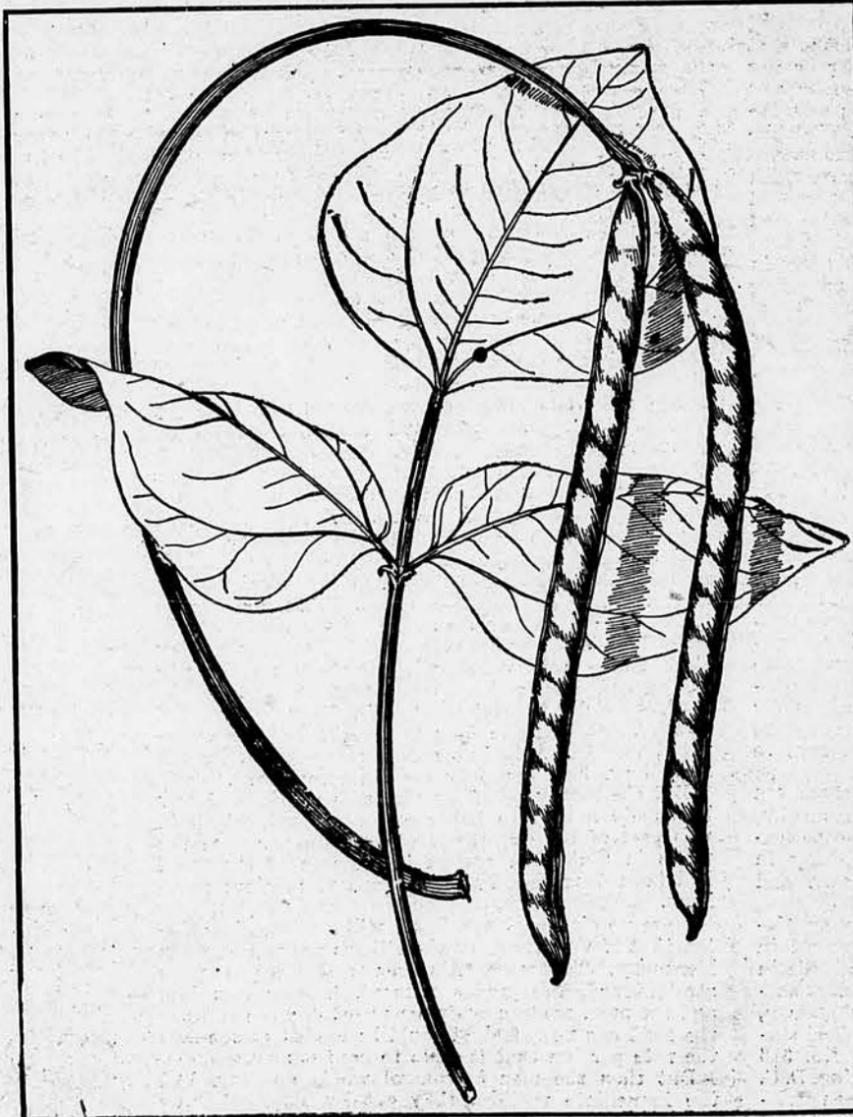
The Whippoorwill is a standard variety for hay and grain, while the New Era seems particularly well adapted as a catch-crop, after oats or wheat. If intended for a principal crop cowpeas should be put in about three weeks after the normal corn-planting time, when all danger of cold weather is past and the properly prepared soil is warm and mellow. Under such conditions peas flourish from the beginning. If it is desired to cultivate the peas, by stopping the holes required to give the proper distances between rows, the common two-horse grain drill will serve for sowing, say, about 30 to 36 inches apart, leaving seeds every 2 to 4 inches, and at a depth of about 2 inches. They are planted, however, in rows of various widths. Some plant with a corn planter having a drill attachment, and by straddling alternate rows make them 22 inches apart, dropping a seed every 6 or 8 inches, which requires 7 or 8 quarts to the acre.

As the first shoots are quite tender and easily injured neither the harrow nor weeder should be used until the plants have made some growth and developed several leaves, although if a dashing rain packs the surface before they appear above the ground a light harrowing should be given to break the crust. If not to be cultivated, they may be drilled as for wheat, using 4 to 5 pecks per acre. In broadcasting 1½ to 2 bushels is common.

Cowpea hay is rather difficult to cure, owing to the vines containing so much moisture. Cutting when the pods are full-grown and ripening, before the leaves fall, is customary, and the curing is much the same as for alfalfa, although more time is required, generally. The common mowing machine will do the cutting, and vine-lifting and windrowing attachments are available and often useful in this. The vines and peas thus far are mostly utilized together as hay or for grazing alone or in mixtures, and most of the seed threshed is for sowing. Improved machinery for harvesting the pods promises an increase in their culture. For the most successful operation of these inventions the peas should be sown in rows, using varieties of upright and early maturing habit, such as the New Era. Threshing is satisfactorily done with the ordinary grain separator, equipped with pea huller attachment, which is inexpensive. A good yield of the peas is 25 bushels per acre.

The cowpea is not fastidious about soils. It grows in nearly every kind. On those very rich the growth is liable to be too rank for the production of seed, which would also make the curing of the hay more troublesome. Land of low fertility is likely to prove better for growing the seed than for hay. No matter what the soil, it always pays to thoroughly prepare it for peas.

There are many varieties, ranging in maturity from 70 to 110 or 120 days. The Kansas station reports that for hay the Whippoorwill, Moant Olive, New Era and Gray Goose gave best results; for ensilage, the Whippoorwill; for a catch-crop, the New Era, and for seed the Blackeye (also for table use), New Era, and Warren's New Hybrid. At present the New Era seems to be the most popular in Kansas. The Iron, a variety gaining in esteem, is noted for its resistance to serious diseases that afflict other varieties more or less.



LEAVES AND PODS OF THE COWPEA, A MONEY-SAVING RATION BALANCER FOR CORN AND KAFIR

F. D. Coburn

The Farmers Mail and Breeze

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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.

IS THE COUNTRY TOO BIG? I know that it is customary for spellbinders to talk about the time when the sovereignty of this country shall stretch from the most northern habitable part of the North American continent to where the angry waves break and dash themselves to pieces on the rocky shore of Cape Horn.

That sort of talk sounds well as long as you don't take the time or trouble to think, but the fact is that it is a very serious question as to whether or not our country is too big right now. The territory of the United States is already so tremendous and the interests of its inhabitants so diverse, that all legislation is necessarily a compromise and patchwork. Many a well-meaning man goes to congress with the best of intentions and finds himself confronted with problems that he has not time to solve and conditions he cannot understand. Unless he is a man of extraordinary ability and industry he gets lost in the fog and votes without any clear understanding of what the effect of his vote will be. Then he is apt to give up trying to understand and lets things drift. As a result the legislation is shaped by a few, and those few are apt to be interested by purely selfish motives.

The average citizen imagines, perhaps, that his member of congress is wearing himself out, working

A Boom in Cowpea Growing

If you wish to know how to use cowpeas to best advantage on your farm read carefully the article on cowpeas written by F. D. Coburn for this week's Mail and Breeze.

Kansas and the Middle West will plant more cowpeas this season than ever before. This spring Farmers Mail and Breeze has received and answered more inquiries and published more matter on growing cowpeas than on any other subject. Ample reasons for the increasing acreage and interest in the crop are given in our Coburn article on page 3. Be sure to read it.

As a soil renovator Coburn declares cowpeas are probably without a peer, not even excepting alfalfa, while they supply cheaply the highest-priced constituent of feedstuffs—digestible protein—furnishing in large measure a farm-grown balance for corn and Kafir.

To Mail and Breeze readers who wish to supplement the cowpea information which has appeared in these columns this spring, we can recommend Bulletin No. 160 of the Kansas Experiment station, Manhattan, Kan.; Bulletin No. 74 of the Oklahoma station, Stillwater, Okla.; Bulletin No. 73 of the Missouri station, Columbia, Mo., and Farmers' Bulletin No. 318 of the Department of Agriculture, Washington, D. C. It is customary to enclose a 2-cent stamp when writing for a bulletin to the station of another state than your own. The government bulletin and your state bulletins are free.

night and day looking after legislation. A few do, but a large number do not. They neither attend the sessions of the house or senate, as the case may be, nor of the committees where legislation is shaped up. And this is not so remarkable, either. When the average man gets hold of a problem that he cannot understand, he is not apt to sit down and dig and dig until he does understand it. He figures on it for a while, concludes that it is too complicated for him, and then gives it up altogether.

The problem of running this country is too big now for the average congressman, and yet orators flamboyantly go on talking about annexing Mexico and Central America and the whole South American continent and most of the islands of the sea. Every accession of territory brings with it new problems and adds to the complexity of the problem we already have, which is too big and too complex now for the average human intellect. May the good Lord deliver us from having to take on any more territory, and may he also show us a decent and honorable way to get rid of some that we have now.

THE NEED OF CHEAPER MONEY.

The past two or three seasons in a part at least of western Kansas have not been as propitious as could be hoped for. The settlers in that section have shown great courage and patience, but the fact is that a considerable number have been and are now hard pressed for money.

The past winter added greatly to their difficulties. They had to go into the winter short of feed and then endure the hardest winter in the history of the state, at least for a quarter of a century. As their necessity for money grew greater the rate of interest has increased. In other words, the less able the borrower is to bear the burden of interest, the greater the rate of interest he has to pay. The borrower cannot get money at all at any rate of interest unless he is able to satisfy the lender that he can repay the loan; therefore, it is not altogether a question of security.

The tide is not always going to run against that part of the state. Indeed, in a good many localities, if the farmers could have a reasonable amount of cheap money; that is, money borrowed at a low rate of interest, they would develop pumping plants and irrigate their lands.

If the government should arrange to loan money to these farmers at a rate of interest not to exceed 4 per cent per annum, it would not only enable many of them to stay and develop the country who may be forced to lose their lands as it is now, but there would be tremendous additions to the wealth of the state.

When the government wanted to aid in pushing railroad lines across the continent it was considered entirely proper to loan the corporation money as well as give it donations of land to aid in the building of the line. What objection is there to letting the settlers out in western Kansas have some cheap money to develop their farms?

ON THE ROAD.

I know that it is not fair to judge of a country from a railroad train. Often the road has been built through the most uninviting places, the line being selected with reference to grades rather than to surrounding scenery.

So I do not pretend to say that I was able to form an accurate judgment of the states of Tennessee, Alabama or Georgia by what I saw from the rear end of an observation car or in the few minutes that I had now and then to get off at stations and stretch my legs. I am willing to assume that I saw the very worst of the country in the hundreds of miles of travel between the time of getting out of bed just as the train crossed the line between Kentucky and Tennessee until 30 hours later we crossed over into the land of history, romance and tradition known as Florida.

I was awakened by hearing some new passengers conversing in the soft southern drawl and I knew that I was in the genuine South, and from that on I gave a good bit of attention to the landscape.

Let me say here that the longer I rode on the Illinois Central, which runs through the heart of the South, the hotter it made me to think of the loot that was practiced on that road by the men who got control of it a few years ago. If the millions they stuffed into their pockets without giving anything in return had been put into the improvement of the road, especially through the South, the general public, which must foot the bills in freight and passenger rates, would have had no reason to complain, for the road down here certainly needs improvement.

But the money raised by the issue and sale of new bonds did not go to improve the roadbed, which in this part of the country is about on a par with the roads in the Gould system before any of the work had been done that has been done to improve those lines.

I am no civil engineer, but I will venture the opinion that if the tracks of the Illinois Central through Kentucky, Tennessee, Alabama and Georgia were straightened, the grades reduced, heavier iron laid and the most modern equipment used in place of what the road has now, freight could be hauled at one-half the rate per ton that it costs to haul it now.

But then the men in control would not have had the immediate millions they got by simply issuing more than a hundred millions of bonds, which they sold to the general public and pocketed the major part of the proceeds.

Nature has done a good deal to make Tennessee, Alabama and part of Georgia picturesque and inviting to the eye. The most that man has done so far has been to scar the face of nature and make it look as uninviting as possible.

The woods that cover the rolling lands and the low hills on either side of the track are beautiful, as far as they have not been interfered with, with the rich and variegated colors of their leaves and flowers.

The dogwoods and the honeysuckles are in full bloom and blossoming trees that my limited knowledge of botany does not permit me to name added to the picture. Nature smiles and only man is vile.

I have been reading for a good many years about the marvelous strides of progress in the South. I must say, however, that in the trip through the states mentioned I did not observe much evidence of this progressive pedestrianism.

In a daylight ride of perhaps 500 miles I did not notice a single respectable farm house. Miserable shanties, such as may possibly shelter the most poverty-stricken peasantry of Europe, were seen all along the line, but not a single habitation in the country districts that looked like a proper place of residence for any self-respecting American citizen. I do not say that there are no such residences in the farming districts of Tennessee, Alabama and Georgia—I simply say that I did not see any.

There may be a good system of country schools, but I did not see a single school house that I think would be tolerated in any school district in the state of Kansas.

Everywhere, outside of a few towns, apparent poverty and absence of thrift. The reason, I believe, is plain. Slavery was abolished by law almost half a century ago, but the blighting effects of the system linger still.

The South still clings to the idea of having a distinctively laboring class made up of the blacks, the remnant of the old slaves and their descendants, and such whites as necessity compels to labor.

The inevitable result of such a system is to breed a contempt for labor. Real work is regarded as the business for "niggers." The white men who are compelled by hard necessity to labor more or less in order to live hate the blacks because they, the poor whites, are forced to get into the same class.

The white men and women who are able to avoid work of any kind do so. They are the aristocratic class. If they are able they live in the town and have their lands worked by black labor. The blacks who do most of the work that is done in the country live, I should judge, about as their ancestors lived before the war in the days of slavery in miserable unsightly huts, tilling the patches of corn and cotton, keeping up after a fashion the unsightly rail fences, gathering the sap from the turpentine pines, living in a condition apparently but little better than their fathers lived in the days of bondage.

Over the South still lingers the blight of human slavery, but there are not many southern men to be met who will acknowledge that the white men of the South have made any mistakes in their system.

IF I BECOME GOVERNOR

I will make no brass band campaign for the office of Governor. As a candidate I shall go before the people with nothing more than a plain, straightforward platform of the things I believe my business experience equips me to do, and my pledges will be limited to those I think I can honestly fulfill. I can only say now that I stand pledged to a BUSINESS administration and by that I mean an administration that will look after the business of the STATE, first, last and all the time, honestly, fearlessly and with justice to everybody.

If I am elected governor, I give my word that I will administer the affairs of the state with an eye single to the best interests of the WHOLE people; I shall do my best to give the state a clean, progressive administration, and will keep out the grafters and political leeches. I shall insist that the state have actual value for every dollar it spends.

I look upon the affairs of Kansas as a business proposition. Every citizen, every taxpayer is a stockholder in this business organization—and every citizen is interested in a business-like conduct of public affairs. I pledge the people that if elected I will bring to the executive office all the interest, all the ability and all the energy that I devote to my personal business.

If I become governor I will take the office untrammelled by a single promise, expressed or implied, save my public promise to the voters. My hands are not tied, and will not be. I wear no man's collar. If elected, I expect to be the Governor. I am under obligations to no bosses, no corporations, no special interests, no factions, no individuals. I give you my word, I shall be absolutely free to do what is right and fair and just to the people of Kansas. In making my campaign I shall hire no paid workers. I have no use for slush-fund methods or slush-fund politicians. I am not going to spend a barrel of money to purchase political honors; if I cannot win this nomination and election on my merits, I do not want it. If elected the chief executive I shall not be a candidate for any other office while serving the people as governor of this state.

Arthur Capper

THE HANDIEST THING ON THE FARM

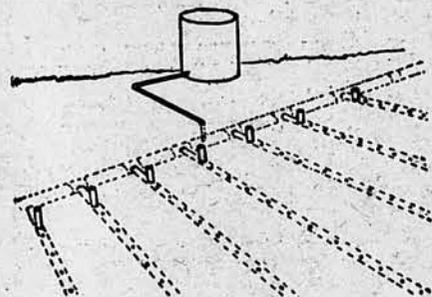
A ONCE-A-MONTH PAGE OF HELPFUL IDEAS

Do not think what you have to offer must be original with you—it simply needs to have been useful to you, or someone else on the farm or in the farm home. Make your instructions plain and understandable and send us as good a rough sketch as you can draw. Leave the rest to us. By way of incentive a year's subscription to the Topeka Daily Capital is to be the reward for the best device sent in before May 16. For second and third best, respectively, a year's subscription or extension of subscription to Farmers Mail and Breeze. Send your contributions to Devices Editor Farmers Mail and Breeze, Topeka.

Garden Irrigating Plant.

[Awarded First Prize, a year's subscription to the Topeka Daily Capital.]

Mr. Editor—This is my plan of irrigating my garden. A 1 1/4-inch pipe is laid in the ground along the side of the garden and 3/4-inch lateral pipes connect with it by means of "tees." The lateral



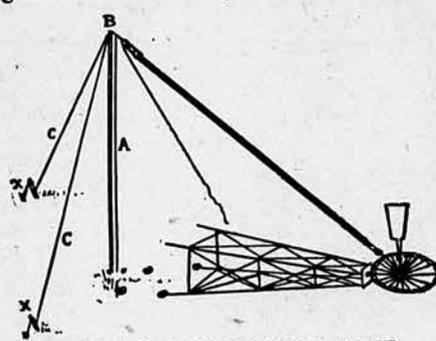
THIS PLAN SAVES WATER.

pipes are laid 8 feet apart and have 1/8-inch holes drilled in them every 2 feet, through which the water passes into the soil. There is a globe valve on each lateral pipe near the main pipe by means of which I can irrigate the whole or any part of the garden. The lateral pipes all have caps on the outside ends. I use a 5-horse power engine to pump water into the elevated tank from which I get the water pressure. A. W. Dunn. Abbyville, Kan.

Hoister For Mill Tower.

[Awarded Second Prize.]

Mr. Editor—This diagram shows a good way to erect a windmill or other tower. For a windmill the tower should be all put together with the wheel in place before hoisting. Dig the holes and erect the pole A a little back of the two outer holes so the pulleys will not come together. A is a 4 by 4 and its length



MAKES A ONE-MAN JOB OF IT.

depends upon the height of the tower to be erected. A should be anchored as shown by C. C and the small stakes X re-anchored to prevent pulling up. The two lower legs of the tower may be braced against a plank laid on edge in a shallow trench. Have two guy ropes to steady the tower while raising it. Fasten each pulley securely at top of tower and at B. One man can raise a 24-foot tower by this means. T. H. Kleemann. Seibert, Colo.

Chopping Block For Poultry.

[Prize Suggestion.]

Mr. Editor—For a good poultry chopping block take a log 4 1/2 feet long and set it into the ground a foot. At one edge drive two nails partly in so the head of a bird may be placed between them and the neck drawn out across the block before using the ax. In times of peace such a block may be used for crushing bone and chopping up meat scraps for the poultry flock. Norwich, Kan. J. A. Crandall.

Ways of Handling Barb Wire.

[Prize Suggestion.]

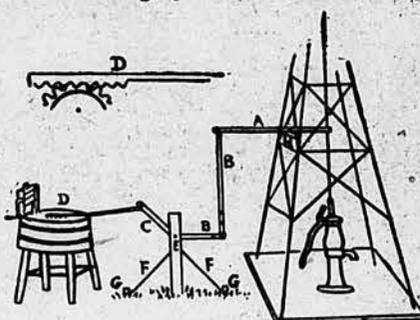
Mr. Editor—I have tried various ways of unrolling barb wire but the best way to my notion is to bore a small hole in the bottom of the wagon box 8 inches

from the end, put a rod through the spool and this hole and while one man holds the rod have another drive the team slowly. Fasten the end of the wire to a post or tree before starting. The spool standing on end gives the wire tension and it won't come off too freely. The hole in the floor can easily be plugged up afterward. I find the best way to take up and move wire is to simply roll it up on itself in a roll about the size of a front wagon wheel. Take along some short lengths of twine and tie one about the roll whenever needed to keep the wires together. Use a pair of heavy leather mittens for rolling or unrolling the wire. M. M. Maxwell. R. 5, Valley Falls, Kan.

Washing By Wind Power.

[Awarded Third Prize.]

Mr. Editor—We have used the windmill to run our washing machine for one year and during that time have had to do the washing by hand only twice. An



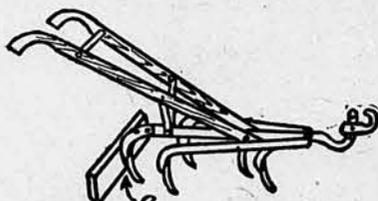
HOOKED UP AND READY TO START.

ordinary breeze will run the washer when the pump is off but both can be used at the same time. Any washer with a forward and backward stroke can be connected up in this way. To change the size of stroke bore two or three holes in each end of the triangle marked B C. All joints must be tight or the stroke will be short. The crosspiece H, is firmly fixed in the tower and the pumping beam A is pivoted on it in the middle. A should be a 2 by 4 and B the plunge rod is a piece of 1 by 4. The triangle B C is made of a flat piece of iron bent in the proper shape and works up and down in the mortised end of the post E. F F are braces for E. The small figure shows how the arm D works on the cog wheel of the washer. Lorraine, Kan. Joseph Warta.

Leaves Soil Smooth and Level.

[Prize Suggestion.]

Mr. Editor—Last summer I carried on an experiment with the device shown in the drawing. I took a board 1 by 5 by 22 inches, beveled the lower edge and bolted it to the rear shovel as shown. I used this cultivator in laying by my



WORKS FINE IN KAFIR.

potatoes and it left the soil even and level, and it did not dry out as usual. I also used it on the lister ridges, hitching on a stout horse that was good at walking on the ridges. It did better work in the Kafir than the riding cultivator. The board leveled down the ridge and covered up the small weeds in the row. J. A. Crandall. Norwich, Kan.

For Laying-Out Wire Fence.

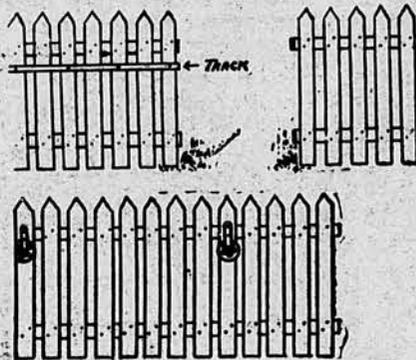
Mr. Editor—An outfit for laying-out wire fence that I have found very con-

venient is a kind of sled with runners of 2 by 12 and 6 feet long. It has a solid floor on which the tools and material needed in building fence are carried. Two pieces of 2 by 4 are bolted at the back end and extend back a short distance as shafts from which wire spools or bales may be unrolled, a rod being placed through holes in the ends. This outfit will be found handy in building any kind of fence. Emmett Mechem. R. 2, Ottawa, Kan.

Garden Gate on Rollers.

[Prize Suggestion.]

Mr. Editor—This is a sketch of a gate that I have used on my yard fence for some time and it has proven to be the handiest gate on the farm. Wind cannot slam it, and there is no hinge or latch trouble to contend with. If a 3-foot opening is wanted the gate should be



OUT OF THE WAY WHEN OPEN.

about 8 feet long. The rollers on the gate are from an old barn door and the track is made from an old rake tire set on 1-inch blocks. Walter M. Price. R. 3, Wamego, Kan.

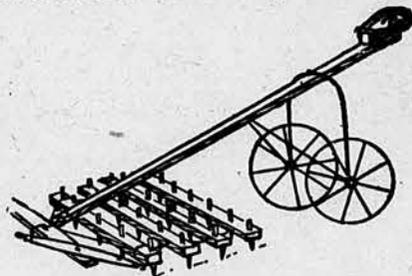
To Get the Rat—Sure.

Mr. Editor—Take an old bread pan and in it set a steel rat trap, tying it to handle of pan so rat cannot make way with it. Cover trap evenly with bran until nothing of it can be seen, then scatter bait loosely over top. Put pan in a place frequented by rats, and you will very seldom fail to find a rat in trap next morning. J. E. Raiser. R. 5, Bucyrus, O.

Something New in Harrow Carts.

[Prize Suggestion.]

Mr. Editor—This harrow cart is easily put together, light of draft, and the height of the seat enables the driver to get up out of the dust. It is made of the frame and wheels of an old worn out cultivator and the tongue is a piece



UP OUT OF THE DUST.

of 2 by 4, 10 feet long. Bolt the tongue to the arch 12 inches from the end and 3 inches from the end bolt on a seat. Braces from the axles are bolted to the tongue 30 inches forward of the arch. Put a clevis in the front end of the tongue and connect this by means of a ring to the clevis on the evener. In using a 3-section harrow remove the center adjusting lever. F. R. Machin. Russell, Kan.

For a Cellar Door That Sags.

[Prize Suggestion.]

Mr. Editor—To keep an outdoor cellar door from sagging away at the top hinge it at the upper end and fasten a rope to the lower end. Pass the rope over a pulley fixed to a post, tree, or part of the building and hang a weight to the other end that will balance the weight of the door. J. R. Laddie. R. 3, Independence, Kan.

Trucks For the Mower.

[Prize Suggestion.]

Mr. Editor—Last year I worked a sore spot on the neck of one of my mares inside of half an hour after putting her on the mower. This put my wits to work and I took the tongue trucks off

my disc, sawed off the pole from the mower, and coupled up the trucks. I then had a 4-wheel mower and it worked fine. It pulls easier than before, there is no tongue wallowing about, and the mower rides like a buggy. Marcoot, Mo. James H. Brownlee.

When a Pasture Gets Sodbound.

[Prize Suggestion.]

Mr. Editor—A sodbound pasture or meadow will shed water like a roof but this may be remedied in early spring when the ground is wet by making deep cuts into the soil. A good tool for this purpose is a sled with runners of 2 by 8-inch plank and not less than 6 feet long. Bolt on some knives as shown in the drawing which may be made of old plow shares. The sled should be wide enough to keep it from tipping. When not in use the cutters may be removed and the sled used for other purposes. On land that slopes south drive east and west with the cutter. Do not run it up and down a hill but in a line with the ridges. Make the cuts as close as 1 or 2 feet and as deep as possible. Next July or August the grass near these cuts will be green and thrifty while perhaps 3 or 4 feet away where there are no cuts it will be dead. Such a cutter may also be used on alfalfa. Edward Lind. Cedar, Kan.

Makes Sickle Grinding Easier.

[Prize Suggestion.]

Mr. Editor—I have a simple and handy device for holding up one end of a sickle while grinding it that makes the job easier. I have a spring from an old window shade that I hung to an overhead limb while the lower end has a wire loop in it. The spring is adjusted so as to give it just the right tension. The outer end of the sickle rests in the loop while sharpening the other end. H. H. Hofeling. Pickrell, Nebr.

Slop Carrier on Wheels.

[Prize Suggestion.]

Mr. Editor—Here is a cart for hauling slop that I have found convenient. Take an old cultivator frame, cut off the spindles and set the wheels up close to the arch. With hooks or double bolts fasten handles of gas pipe or slats to the frame, bracing them to the top of arch. To the top of the arch fasten two hooks with two short chains which are passed through the handles of an old milk can which I use for slop. In using a can for slop one can easily keep it covered. J. R. Laddie. R. 3, Independence, Kan.



A Mail and Breeze Reference Book.

Mr. Editor—I have an old book which I use as a scrapbook and in it I paste all the drawings of handy devices that I find in Farmers Mail and Breeze. I find this to be invaluable as a reference book. Ty it, farmers. R. E. Hooper. R. 2, Densmore, Kan.

A BIG-VALUE BOOK OFFER TO MAIL AND BREEZE READERS.

"Kansas in the Sixties," by Ex-Governor Samuel J. Crawford.

The story of "Kansas in the Sixties" as told by Samuel J. Crawford, famous as the "War Governor of Kansas," is by far the most interesting historical work ever produced in Kansas. The book is having a large sale all over the country and it deserves a prominent place in the library of every Kansan. It contains something of vital interest to every citizen of the state. Governor Crawford writes in a style peculiarly his own and there is not an uninteresting paragraph in the whole 400 pages of this great Kansas book.

"Kansas in the Sixties" is substantially and handsomely bound in cloth, indexed, and sells for \$2.00 in all the book stores.

We have secured a quantity of these books for distribution among Mail and Breeze readers on this very liberal offer:

Farmers Mail and Breeze one whole year and "Kansas in the Sixties," sent prepaid for only \$2.00—regular price, \$3.00. Send in your subscription or renewal while this offer is still available. Address Mail and Breeze, Topeka, Kan.

JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

We like to get the experiences, views and opinions of "our folks" on any farm or livestock subject particularly if reasonable 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.

Within the next week our cattle will go out on pasture. This means a big part of the chores stop for and we shall not be sorry. We are always glad to get the stock off our hands for they make lots of extra work right in the busiest season.

We were fully intending to start on the last field of flax this morning, April 19, but before we could get hitched up a light rain began to fall so we put it off for at least half a day and came in to write these "doin's" one day ahead of time. A good smart shower would help the grass wonderfully.

The great weight of that last fall of snow, coupled with the fact that the ground dried up so soon after the snow melted, has packed and baked the ground as badly as we have ever seen it here at this time of the year. The good effects of the hard winter freezes have been, by these later conditions, entirely lost.

Speaking of the fact that pasture bills this summer for mature cattle will be from \$5 to \$6 per head in this section, brought us a number of letters from readers who have cheaper land farther away from Kansas City. They will take stock at lower prices. The cattle in this part of the country have all been placed some time ago and we would not know where to cite our inquirers unless it would be to the commission firms in Kansas City. If there were any large numbers of cattle unplaced these firms would know it.

The cheapest pasture offered by the writers of these letters was \$2 per head for the season. This offer came from a man in northern Nebraska who has a large tract of land in the sandy section. That part of the state is well supplied with water and as a usual thing grass is plentiful, but the freight bills from Kansas City territory would more than make up the difference in pasture bills. It would not pay to ship intending to hold them over there next winter for all that was gained by cheaper pasture would be lost by the greater cost of wintering and the lesser gain made by the cattle in that colder climate.

It is becoming a question with many who milk cows, whether or not it pays to raise calves to sell at 2 to 3 years of age on the beef or stocker market. Of late years the price paid for a good fat 6 weeks old calf is not far from what it would bring as a yearling when raised under ordinary brought-up-on-a-pail conditions. Enough calves must be reared to maintain a certain number of milk cows but farther than that we doubt if there is much made by growing milk stock to be sold for beef.

The milk required to bring up a calf would be the making of two pigs and each pig would sell in the early winter for as much as a calf. The pig would take more grain feed but would be much less care and would also be more salable. It is coming to be a question with most farmers as to which line of farming will require the least help, for it is now almost out of the question to get help that is willing to do the work on a dairy farm.

If the chickens hatched this year in March bring those who raised them 35 cents a pound they will no more than pay out for the work they made necessary. Since April came in, the weather has been good for chicks, for they thrive in dry weather, even if it is a little cool. We do not think it likely there will be any increase in the number of chickens raised this year. At usual prices there is not much made in growing chickens for the market; the money made in poultry is more likely to be from the sale of eggs than from the sale of chickens.

Because of this we have always thought that the heavy egg-laying breeds of poultry were more profitable

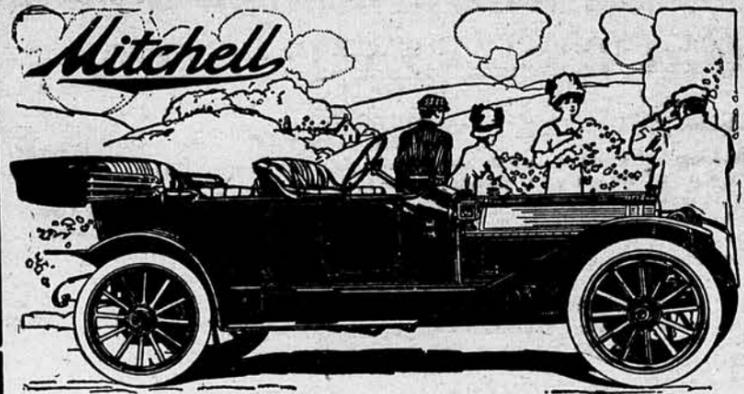
than what might be called the all-purpose fowl. In spite of this we keep Plymouth Rocks although we are convinced that Leghorns are better money makers. We do not like the Leghorns because they are into everything and can hardly be fenced out of any garden or fruit patch. But it is this habit of rustling that makes them profitable. Because of this they bring more money to their owners, even if they do not weigh so many pounds when sold for meat.

We are in receipt of a letter from a Jewell county reader who asks if we think Kafir corn would prove a profitable crop there and if it would be likely to ripen. We can see no reason why it would not be a good crop for that section and are confident that it would ripen in almost every growing season. The growing season in Jewell county gives time and to spare for Kafir to mature and the only thing that would hinder would be dry spells which would hold the crop back. We once sent seed of the old fashioned white Kafir to northern Nebraska where it was planted within 50 miles of the Dakota line. This matured all right and this variety of Kafir was later than the red.

The trouble with Kafir maturing anywhere west of here, lies not in the length of the season but in the fact that the dry spells will cut the growing season short. If a dry spell checks the growth of Kafir for 30 days it has the effect of cutting just that much off the growing season. The latest crop of Kafir to ripen we ever raised was planted on the 14th of May; it was held back by dry weather until the last of August when plentiful rains came and continued until in October. The first frost arrived in October and we began cutting the next day. The Kafir was just barely ripe enough so that we saved our seed from the best of it. On the other hand we have planted Kafir as late as May 25 and had it cut and in the shock by September 20.

In the various papers we take, covering farming lines, we get information from most of the corn belt states. In every one is the same story told, of the small number of pigs saved during early spring. During March and the first ten days of April the loss of spring pigs was greater than ever known before and if reports we have read tell anything like the truth, it is safe to say that not more than 30 per cent of the early litters were saved. As the time of the deep snow was farrowing time for a large per cent of the sows, it seems that there will be a big shortage in hogs next winter. To this may be added the fact that hardly the usual number of pigs is likely to be raised. There is nothing in sight to indicate that beef, pork, mutton, or chicken meat will be anything but very high for at least another year.

A change has been made in our township this spring in the manner of working the roads. Instead of allowing the poll tax to be worked out it is to be collected in cash and with the money teams and men are to be hired to do road work. We think this is a good plan. A similar plan has been used in Pleasant township in this county for several years and the results are good. Where the tax is worked out it takes half the forenoon to get the tools together and then it takes nearly another half a day to get the teams accustomed to the work. A team and man, used to road building, can build more road in one day than a green man and team can build in two. We think it a wise move on the part of the township officials and are satisfied that nearly every polltax payer will approve of it. In days past \$3 was a good price to allow for a day's work but now nearly every farmer would gladly pay that amount rather than go out to work the roads. If our \$3 is used to pay for road dragging we shall dig up the money with good will.



A farmer can give many more reasons for owning an automobile than the city man can give.

And if you ask a farmer who owns a Mitchell car why he selected that particular car, he can give you unanswerable reasons—for example:

The makers of Mitchell cars couldn't afford to make an automobile that wasn't the best for the money; they've got their wagon reputation to live up to, and they've been 77 years making this reputation.

Mitchell vehicles and Mitchell fairness in business deals are known everywhere.

Nobody wants an automobile that is apt to break down or get out of order; the farmer is too far from supplies and repairs to take a chance, so the Mitchell quality and service appeal to him.

He wants simple construction and abundant power; he gets both in a Mitchell.

For pleasure trips, church-going and visiting he wants a good looking car—the Mitchell is beautiful in every line.

He wants an up-to-date car that the young folks will be proud of—the Mitchell meets this requirement. An automobile on the farm makes the young people more contented.

Farmers are careful and intelligent buyers; they usually demand the full value for their money—Mitchell cars meet them more than half way in giving value for value.

Mitchell cars are built for the man who can't afford to make a mistake.

Write to us for further information.

The Mitchell 60 Horse Power, 6 cylinder, 7 passengers, \$2250
 The Mitchell 48 Horse Power, 6 cylinder, 5 passengers, \$1750
 The Mitchell 35 Horse Power, 4 cylinder, 5 passengers, \$1350
 The Mitchell 30 Horse Power, 4 cylinder, 4 passengers, \$1150
 The Mitchell 30 Horse Power, 4 cylinder, 2 passenger
 Runabout, without top, \$950

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CROPS and FARM WORK

A General Survey of Wheat Conditions By Farmers Mail and Breeze Crop Correspondents Gives a Very Hopeful Outlook For a Good Crop—Acreage Is Above the Average—No Insect Damage

(Crop Reporting Service of Farmers Mail and Breeze.)

What the winter wheat crop needs most at this writing is rain and warm weather, and of these two, warm weather is most generally wanted since rain has fallen over a large part of the wheat belt during the last week or 10 days. Wherever there has been rain to soften the surface crust the crop is making fine headway, and if, when once settled, warm weather comes it will do better still.

There has been and still is plenty of moisture in the subsoil but the hard crust that formed during the two or three weeks of warm, dry weather right after the snow disappeared, gave the crop a bad setback from which it will probably not entirely recover. Wheat has had a variety of conditions to contend with since seeding time last fall. It got off in good shape and some fields were pastured by the middle of October but grasshoppers and army worms took a slice out of it about that time. Next came the sudden drop of temperature November 11 and 12 which caught the crop in a thrifty growth and entirely unprotected. But the worst damage was done during the severe winter weather of January and February on fields where the ground had been blown bare of snow. Dust storms and the hard surface crust have been the latest conditions to figure in the damages.

Notwithstanding these hardships the

THE OLD PLEA

He "Didn't Know It Was Loaded."

The coffee drinker seldom realizes that coffee contains the drug, caffeine, a serious poison to the heart and nerves, causing many forms of disease, noticeably dyspepsia.

"I was a lover of coffee and used it for many years and did not realize the bad effects I was suffering from its use. (Tea is just as injurious as coffee because it, too, contains caffeine, the same drug found in coffee.)

"At first I was troubled with indigestion. I did not attribute the trouble to the use of coffee, but thought it arose from other causes. With these attacks I had sick headache, nausea and vomiting. Finally my stomach was in such a condition I could scarcely retain any food.

"I consulted a physician; was told all my troubles came from indigestion, but was not informed what caused the indigestion. I kept on with the coffee and kept on with the troubles, too, and my case continued to grow worse from year to year until it developed into chronic diarrhea, nausea and severe attacks of vomiting. I could keep nothing on my stomach and became a mere shadow, reduced from 150 to 128 pounds.

"A specialist informed me I had a very severe case of catarrh of the stomach which had got so bad he could do nothing for me and I became convinced my days were numbered.

"Then I chanced to see an article setting forth the good qualities of Postum and explaining how coffee injures people so I concluded to give Postum a trial. I soon saw the good effects—my headaches were less frequent, nausea and vomiting only came on at long intervals and I was soon a changed man, feeling much better.

"Then I thought I could stand coffee again, but as soon as I tried it my old troubles returned and I again turned to Postum. Would you believe it, I did this three times before I had sense enough to quit coffee for good and keep on with the Postum. I am now a well man with no more headaches, sick stomach or vomiting and have already gained back to 147 pounds." Name given by Postum Co., Battle Creek, Mich.

Look in pkgs. for the famous little book, "The Road to Wellville."

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

crop is now coming out in good condition generally and if the weather continues favorable for two months more 1912 is going to be remembered as one of the big wheat years. If any one section of Kansas has suffered more than all others it is the northeastern corner of the state and the northern two tiers of counties west to about the central part of the state. The crop in several counties in the heart of the state—McPherson, Rice, Ellsworth, Barton, Stafford and Pratt—has also been hard hit. In counties farther west wind damage during March and April cut down the prospects considerably.

Among the Kansas counties showing the best prospects at this time are Comanche with a 95 per cent outlook, Johnson 95 per cent, Russell 90 per cent, Rooks 80 per cent, Linn 90 per cent, Osborne 90 per cent, Smith 90 per cent, Lyon 75 per cent. Oklahoma counties with good prospects for a big crop are Custer, Major, Ottawa, Comanche, Dewey, Grady, Tillman, Payne, Garvin, Texas and Caddo.

On the whole the wheat acreage is above the average and greater than that of 1911. Two thirds of our correspondents reporting on acreage last fall stated that the crop sown was as large or larger than a year before. In some western counties the acreage is short on account of the scarcity of seed last fall.

No insect damage to the crop has been reported yet, in fact the only mention of insects comes from Russell county, Kansas, where army worms have appeared, and Allen county, Kansas, where chinch bugs have been noticed.

Our Cheyenne county, Kansas, correspondent believes that farmers who harrowed their wheat fields this spring, to break up the hard crust, did more damage than good.

Wheat sown as late as February out in Wallace county is looking good, says Reporter Shull. It is unfortunate that the acreage is small out there.

Fields in Harper county are already able to hide a rabbit, says Reporter Henderson.

KANSAS.

Comanche County—Wheat shows a 95 per cent prospect and a large acreage is out.—S. A. DeLair.

Linn County—Wheat is in fine condition and shows about 80 per cent of a stand. A bumper crop is expected.—C. T. Baker.

Pottawatomie County—A good deal of wheat was killed but what is left is making a rapid growth.—W. H. Washburn.

Grant County—Wheat looks fine except on sandy soil where it has blown out. Spring is backward and cold.—J. L. Hipple.

Trego County—Wheat will average just fair. Had a good rain on April 20.—E. L. Dean.

Douglas County—Weather it a little dry for wheat and some fields are badly winter killed.—J. S. Dill.

Wichita County—Wheat is coming on slowly. Ground is in good condition but spring has been backward.—J. H. Dunlap.

Bourbon County—Wheat in this county will average about 85 per cent in condition. Late sown fields not as good as early sowings.—G. A. Van Dyke.

Crawford County—Wheat is coming on slowly and shows prospects of about 85 per cent of a crop. Heavy rain here April 25.—H. F. Painter.

Lincoln County—About 15 per cent of the wheat was killed. Ground is dry and very hard on top but the subsoil is wet.—E. J. G. Wacker.

Morris County—Wheat looks good with the exception of a few spots where it was frozen out. Ground is in fine condition.—J. R. Henry.

Jefferson County—Wheat in this county needs a good warm rain and warm weather. Some fields look fairly well while others are badly damaged.—Z. G. Jones.

Allen County—Not much wheat out in this part of the county but what there is looks fair. Lots of chinch bugs flying around.—Geo. O. Johnson.

Washington County—Wheat on upland in this locality was badly hurt. A good deal of it being plowed up. Weather cool and windy.—Mrs. Birdsley.

Nemaha County—About 50 per cent of the wheat acreage will be abandoned and what is left will probably not make much over a half crop.—C. W. Ridgway.

Russell County—About 90 per cent of the wheat looks good. Some fields are being listed to corn. The ground is hard and crusty which has kept the crop from making much growth. Army worms have made

their appearance again but it is not thought they will do much damage if we get a rain soon.—Mrs. Fred Claussen.

Decatur County—Some wheat was winter killed and a little hurt by winds. The balance shows about an 80 per cent stand. Season cold and backward.—E. H. Sanford.

Harper County—Wheat looks fine and some fields will already hide a rabbit. Fine rain April 26 and prospects are very promising at this writing.—H. E. Henderson.

Johnson County—Very little damage to wheat here, perhaps 5 per cent or less. Recent rains have been fine to loosen the crust and the crop is growing fast.—L. E. Douglas.

Smith County—I would say that wheat in this county is practically O. K. with a present condition of about 90 per cent. Had 1 1/2 inches of rain a week ago.—A. J. Hammond.

Rooks County—Wheat shows an average of 80 per cent in growing condition. Probably 15 per cent of the acreage has been abandoned, most of which was late sowing.—C. O. Thomas.

Harvey County—About 20 or 25 per cent of the wheat will be plowed up and put into other crops. If dry weather continues much longer the damage will be worse.—H. W. Prouty.

Barton County—Wheat needs moisture and warm weather. Some fields look good but a good deal will be listed up. Present condition not over 50 per cent.—O. M. Lewis.

Edwards County—About 15 per cent of the wheat has been plowed up and put into other crops. The rest is doing well. Showers this week were a boon to wheat and all crops.—J. A. Baxter.

Wallace County—Wheat generally is in good condition but the acreage is small in this county. Even the February seeding looks well. Had light showers last week but more rain is needed.—C. W. Shull.

Lyon County—Wheat will average about 75 per cent of a stand, about 25 per cent being winter killed. Early sowings show a much better stand than late sown fields. A shower April 24 was fine for the crop.—E. R. Griffith.

Rice County—Much wheat will be abandoned on account of a thin stand, high winds and dry weather. The crop is suffering for want of rain now. Have had no rain in April up to this date (April 27).—Henry S. Wilson.

Cheyenne County—Some wheat looks fine and some has been damaged by high winds. Farmers who harrowed their fields to break the crust did more damage than good. A nice rain on April 20 helped the crop.—Mrs. J. S. DeLong.

Cloud County—Wheat is generally doing fine but there are some bad spots where the snow blew off last winter. This loss will amount to about 15 per cent. Good rains within the last week have improved the condition.—W. H. Plumly.

Montgomery County—About 20 per cent of the wheat has been abandoned and the rest shows a condition of about 40 per cent. Cause of damage was the sudden freeze of November 11 last fall. No chinch bugs yet. Ground is very wet.—J. W. Eikenberry.

Thomas County—Early sown wheat is very thin and on some fields has nearly all disappeared. Late sowings look good where the wind of last week did not blow it out. Showers on April 20 were fine for the crop.—J. D. Graham.

Ellsworth County—Wheat in this section is quite spotted. Some fields look quite promising, others will make a fair crop, and still others are being plowed up. With the right kind of season will have a fair crop here.—C. R. Blaylock.

Osborne County—Since the 1 1/2-inch rain wheat has made a good growth. Some late sown fields are a little thin but the condition over the county will average about 90 per cent. The ground is wet for this time of year.—W. F. Arnold.

Gray County—Wheat is growing nicely since the warm weather and shows a good stand except where blown out in some sandy land. Don't know of any to be plowed up. Plenty of moisture in the soil but we need a rain to wet the surface.—A. E. Alexander.

Leavenworth County—Late sown wheat is in poor condition and will probably make 60 per cent of a crop. Early sown fields look much better and are good for about 90 per cent. Since early sowings are in the majority the crop will average about 80 per cent.—Geo. S. Marshall.

Doniphan County—Wheat badly damaged by winterkilling and by the two weeks of dry weather right after the snow disappeared. A good deal has been sown to oats and what is left is rather thin. All considered the crop has been cut short more than 50 per cent.—C. Culp, Jr.

Scott County—High winds have dried the top soil and crusted the wheat fields. Some fields look promising but many others do not show over a 50 per cent stand. Only about half the usual acreage sown last fall. Farmers are turning attention to Kafir, milo and corn.—J. M. Helfrick.

Rush County—Wheat looking fairly well and this county will probably have about 50 per cent of a crop. What remains shows a condition of about 85 per cent. Very little damage was done by winter killing. Most of loss came last fall from drouth and worms.—J. F. Smith.

Summer County—Early sown wheat is looking fine and shows a 90 per cent stand but late sown fields are thin and the stand is not more than 50 per cent. About 15 per cent of acreage has been abandoned. The crop is better in the western part of county than in the eastern half.—H. C. Moore.

Mitchell County—Wheat shows a condition of about 75 per cent here and in some parts of county is close to 100. In other parts the condition is low. When snow went off wheat was in fine shape but three weeks of drying weather baked the ground and gave it a backset. Plenty of rain lately.—J. H. DePoy.

Atchison County—Condition of wheat not very promising. All fields are spotted and many have been drilled to wheat or will be put into corn. The damage can safely be estimated at 30 per cent. Plenty of moisture in the ground but warm weather is needed to make a thrifty growth.—H. L. McLenon.

Stevens County—About 50 per cent of the early sown wheat will be put in spring crops. These early sowings sprouted last fall but later died out badly. Late sowings look fine and will average 90 per cent of a stand.

(Continued on Page 31.)



DAIN VERTICAL LIFT MOWER

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What Farmers Are Thinking

Readers of Farmers Mail and Breeze are cordially invited to air their opinions in this column if they can do it briefly. Say what you want to say, but say it short.

Quit Lambasting the Overseer.

Mr. Editor—Begin the good roads movement right. Not only build and repair the roads near our trading centers, but, go out into rural districts, interest the residents in every quarter. Do something that appeals to them as being for their direct benefit. In this way we may be able to obtain "donations" without asking for them.

Most road overseers are working men who have to work to support a family. I believe all of them appreciate a word of praise for their work just as much as any of us, but how rarely do they receive one. Instead they are condemned for every piece of work that is done.

Be neighborly with the road overseer and tell him the conditions of your road. It costs money to make trips of inspection. The present law allows us plenty of money to place all our local roads in splendid condition and keep them that way, if we will co-operate.
Clearwater, Kan. C. O. Parsons.

Better to Save the Hedges.

Mr. Editor—In a recent issue of Farmers Mail and Breeze a writer condemned the growing of Osage Orange hedge in strong language. One advantage of hedges is that they check the force of driving winds which do so much damage to crops in central and western Kansas. A field of wheat surrounded by a well grown hedge is seldom badly injured by a high wind. Stock kept in a pasture fenced with hedge has far greater protection from lightning than in a wire fenced pasture, and the horses are not blemished by wire cuts. Then the animals on a well hedged farm are never so breachy for they cannot see other animals outside.

The good posts and fuel a hedge affords, will easily cover the cost of keeping the hedge cut and trimmed. In my east and west hedges I make it a practice to leave one hedge tree every 10 feet and keep the rest trimmed down to about 4 1/2 feet. Each of these trees makes a good post and when cut I let another grow in its place. This country has been very materially benefited by its hedges and timber belts. Newcomers do not seem to appreciate this and many are destroying the hedges.
Lyons, Kan. G. Bohrer.

Many Reasons for Preferring Capper.

Mr. Editor—Honesty and capability should over-shadow the following or any other reasons why we endorse and support Arthur Capper for governor. He is a Kansan proud of his native state, and of his people, whom he has been serving these many years so faithfully, through his many publications, which truly reflect his character and honesty of purpose, in a way and manner that cannot be misunderstood. There seems to be an honest desire to wipe out the lines of party strife of the last few years, and Capper is the one man we can unite in for the primary and when it comes to the election he will poll an unusually heavy vote from appreciative citizens of all parties. While we see so many earnest reasons why Capper should be nominated for governor we would ask are there any why he should not be?
Shawnee County, Kansas. A. W. Newell.

The Expense Side of Farming.

Mr. Editor—When some city editor writes up the farmer he counts the income but fails to see the expense side. When a man undertakes to farm 160 acres in Kansas he needs a header worth \$175, a gang plow \$65, harrow \$18, drill \$65, harness \$100, horses \$900, header boxes \$35, wagon \$85, mower \$45, rake \$30, repairs in 10 years \$100, all of which totals up \$1,628. At the end of 10 years all this equipment is ready for the junk pile. At harvest time his expenses will be \$100 for help, \$100 for threshing, and \$25 for board. His seed wheat will cost him \$100, corn \$225, which in 10 years will amount to

\$5,500. Add to this the \$1,628 and you will have \$7,128.

Now 100 acres is all he can farm to wheat, the rest being needed for pasture and feed. Secretary Coburn says we average 14 bushels of wheat per acre which would make 1,400 bushels of wheat per year. The average price is about 80 cents per bushel. This would make an average crop worth \$1,120. In 10 years this would amount to \$11,200. Deducting the expenses from this total there would be left \$4,072 or \$407 for each year to pay for the farmer's year's work and keep his family, also to pay interest on the money invested. I have not computed the taxes for fear I would get him in the hole.
Wm. F. Bolan.
Dorrance, Kan.

[There is much truth in what Brother Bolan writes. Besides that he has furnished an excellent demonstration of the fact that grain farming only, is a losing game.—Ed.]

A Jolt for Seedsmen—Testing.

Mr. Editor—There is a wail going up from Dan to Beersheba about seed corn. As a matter of fact the men who sell seed corn know no more about it than I do. The real facts are that their corn is bought in the open market, shelled and run through a grader and they sell it at three to five times the market price without any kind of guarantee that means anything. The worst failure I ever had was when I planted this high-priced seed.

Now brother farmer, if you failed to pick your seed corn last fall go to the crib and select some nice, smooth ears. Take your jack-knife and cut off the end of a kernel and see if the sprout is a bright, live looking one. If so, dig out the kernel and examine the other end for sometimes one end is dead and the other alive. After you have examined enough to satisfy you take 100 grains at random and plant them in a box of earth as near like conditions in the ground as it is possible to get them. Set it by the kitchen stove when the weather is cold and in the sun when it is warm and see if your seed corn will not give you better satisfaction than the "brag and blow" kind. If yours should happen to fail find a neighbor that has good seed and exchange with him.
Blaine, Kan. Wm. F. Hunter.

[Brother Hunter is rather severe on the seedsmen. There are unscrupulous men in the seed business but the reliable seedsmen are pretty generally known. Buying seed corn shelled is bad policy, as we have again and again remarked.—Ed.]

Keeping Girls on the Farm.

Mr. Editor—It has been with a great deal of interest that I have watched the effect of your corn contests on the people at large. These contests are not only bringing about a better grade of farming but the dignity they are giving to farming is still more important. This work among the boys will doubtless save hundreds and thousands of young men from a worse than wasted life in the cities.

Why not start something similar for girls? There is a most imminent danger to country girls who are flocking to the cities. There are many girls who do not wish to be burdens or family hangers-on, and who cannot afford to dress to keep up with society. So they go off to the city and work for wages so small they can barely dress and feed themselves. Jobs may be lost, there may be sickness and they are among strangers. Desperate, discouraged, and dogged by the dread of hunger they become a prey to vice, perhaps bartering and selling themselves.

I wish these dissatisfied women who are running up and down the country, "emancipating" women from the slavery and drudgery of house work, were sentenced to servitude instead of making other women and girls dissatisfied with the God-given mission of woman. This would almost settle the white slave question and keep thousands of boys and girls on the farm.
I. B.
Rogersville, Mo.

[Farmers Mail and Breeze is working on a plan to interest the girls in the opportunities of the farm.—Ed.]

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with the Capital Handy Stocking Darner. Fits any sewing machine. Will darn a sock or mend a hole in a grain sack in five minutes. So simple a child can use it. Mail and Breeze 13 numbers and one Darner 35c; 26 numbers and one Darner 55c; 52 numbers (one year) and Darner for \$1.00. Address Mail and Breeze, Topeka, Kan.

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We recommend that every one of our readers who raises hogs read this advertisement all the way through, every word of it. It is full of vital facts about lye for your hogs.

Lewis' Lye is the Standard Lye and has been for Half a Century

ALL THE CLAMOR that might be raised by the many packers of lye could not dislodge this fact from the minds of the millions of Americans who, from their grandmothers' days, have known and used Lewis lye.

The one single fact that Lewis' Lye during many years past has gradually attained a great demand for use as a **Preventive for Hog Cholera and Worms and as a General Hog Conditioner**

has led many small concerns to enter the commercial lye field in the hope of taking over part of the popular demand for Lewis' Lye. Some of these concerns have come to you asking for your patronage and making their *claims* to your patronage by statements *untrue*.

We want you to know the Truth about this whole Lye Question

WE WANT to impress indelibly on your mind the fact that Lewis' Lye is manufactured by the Pennsylvania Salt Manufacturing Company, the first concern in the world to place a commercial lye on the market (1854) and even to this day the only lye manufacturing concern selling its own product under its own label and guarantee.

We want to impress indelibly upon your mind the fact that every other trade marked lye in the whole market except Pennsylvania Salt Manufacturing Company Lye is sold by men or concerns who buy—here and there, hit and miss—bulk lye—buy it in drums at the lowest prices they can, put it in cans, stick a label on the can and then come out and *lay claim to superiority*.

We want to put it squarely up to you whether you prefer to rely on the trade mark and the label of the Pennsylvania Salt Manufacturing Company, which has been in business longer than most men have been alive, or on the trade mark and label which a manufacturer coming into the market overnight has put on his package of low-grade lye.

We want to put it squarely up to you whether you would choose to depend on the Pennsylvania Salt Manufacturing Company which makes and sells its own product or on the man who buys his product from unknown makers whose responsibilities cease the moment their output has gone into his packages.

Every reader of this paper must realize that Lewis' Lye attained and maintained its domination of the lye market of America over a period of more than half a century on the basis of quality and nothing in the world but quality.

The Pennsylvania Salt Manufacturing Company, ranking among the largest manufacturing chemists in the world, maintaining at all times a great staff of expert analytical chemists experimenting year after year and year after year for no other purpose than to maintain the quality of Lewis' Lye at all times and better it just so far as possible—has never misrepresented its product.

When we tell you that Lewis' Lye is the purest, highest-grade lye ever produced we stand ready with all our resources back of us, to prove it.

The farmers and farmers' families all over America who have been using Lewis' Lye for generations in their hog feed, for making soap, for general cleaning purposes, don't ask us for any proof. Using Lewis' Lye year after year they know its quality is always the same, that its strength never varies. They have never questioned its purity.

When we say Lewis' Lye is a splendid hog conditioner, when we say it is an excellent preventive for hog cholera and worms and other hog diseases, we base this statement not merely on laboratory tests but on the long experiences of hog raisers all over America who have written us voluntarily to tell how they have kept cholera and other hog diseases away from their droves by the use of a little Lewis' Lye in their feed.

Lewis' Lye for no other reason than because it is the purest, strongest and most uniform lye, and because it is backed by the responsibility of the manufacturer, in whom you can put every ounce of faith, is the safest preventive of hog diseases. No premium, no schemes. Just the best lye in the world. Order it from your grocer. The Quaker is on every can.

THE value of lye in hog feed rests entirely in the potash (or lye) contents. Every farmer knows and has always known that wood ashes are good for his hogs. It used to be that nearly every farmer fed wood ashes to his hogs, but the progressive and intelligent farmer today knows that pure lye is the one product which gives him the element found in wood ashes and needed by the hogs and he knows that it is more convenient to use and more beneficial to hogs.



Now then, the only possible difference between one kind of lye and another is the difference in their strength, purity and uniformity.

Through all our years of experience in the manufacture of lye and with all the resources we have had to work with, it is only natural that we should have developed the best manufacturing processes; it is only natural that we should have learned how to make the strongest, purest and most uniform lye in the world and we have learned how and we are making the strongest and purest and most uniform lye in the world and that is the only reason we can come to you and say that Lewis' Lye is the best lye to use on the farm, whether for feeding hogs, making soap or for any other purpose.

Lewis' Lye is NOT specially prepared for hogs, nor is it specially prepared for soap making nor for any other one of its several uses, and let us here clearly, definitely and finally wipe out any impression which may have been created in your mind by the statements of some packers of advertised lye to the effect that they prepare by "secret processes" a "special" lye for use in feeding hogs.

There is no such special lye for hogs.

If there were any reason for making a special lye for hogs or if there were any way of making a special lye for hogs, the Pennsylvania Salt Manufacturing Company would have marketed such a product long years ago. We could have prepared a special label for hogs but the contents of the can would have been just simply Lewis' Lye—and that's all you want for your hogs.

You want the best lye your money can buy. That means that you want the strongest and purest and most uniform lye, the lye that's always the same, whose high quality never varies, the lye whose makers back it themselves, put their name on the package and stand back of it as a guarantee of its superiority, and there is just one lye that answers to that description. It's Lewis' Lye, standard for half a century.

Read the instructions for feeding Lewis' Lye to hogs—one-quarter can to every barrel of feed. Now read the instructions on the "Specially prepared secret process" lye for hogs—"One-half can to a barrel of feed." Figure it out and decide which lye you want to use.

We haven't any fight on with anybody. The Pennsylvania Salt Manufacturing Company doesn't enter into controversies, but we don't want to see the progressive hog-raisers of America hoodwinked by impossible claims and assertions.



The Quaker is on Every Can

Do not accept inferior, low-grade lye when you can get Lewis' Lye. Look for the black Quaker on the can—that's the sign of Lewis' Lye, the guarantee of greatest strength and purity, the guarantee that every can is UNIFORMLY BETTER.

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Manufacturing Chemists



Ten Eyck's Replies

TO FARM QUESTIONS

Conducted for Farmers Mail and Breeze by A. M. TenEyck, Superintendent Fort Hays Branch Experiment Station, of Kansas Agricultural College, Hays, Kansas.

Seeding Alfalfa After Cowpeas.

In regard to cowpeas for hay: Can they be cut early enough to get them out of the way for alfalfa seeding in the fall?—E. W. O., R. 3, Lawrence, Kan.

The earlier maturing varieties of cowpeas such as New Era, Whippoorwill and Blackeye may be cut for hay and removed early enough to seed alfalfa in the fall, but if the fall is dry the seedbed will not be in favorable condition to start the alfalfa. You could follow this plan and if the fall was not favorable, let the seeding go over until next spring. After taking off the cowpeas, prepare the seedbed for alfalfa by disking and harrowing. Do not plow, as this will leave the soil too loose. If the cowpeas are kept clear of weeds and the ground is not too hard, simply harrowing may secure a proper seedbed.

A. M. TenEyck.

What Variety of Cowpeas?

Will you please tell me which is the best pea to enrich the soil? Also which is the best cowpea, the Whippoorwill or the New Era, for this locality? Which is best for hogs? Can you plant them after your oats are cut?—G. L., Dawn, Okla.

The cowpeas are best adapted for growing in Oklahoma and this crop is a valuable soil fertilizer either as a crop in rotation with other crops or plowed under for green manure. The Whippoorwill variety is a little later in maturing and is a little ranker grower than the New Era. I should consider the Whippoorwill the more suitable variety for growing in your state. For planting late in the season as a catch crop after oats you may prefer the New Era. The New Era is a good producer of peas but does not vine so much as Whippoorwill and usually is not so great a yielder of forage. I am mailing Bulletin No. 160 on cowpeas which gives further information.

A. M. TenEyck.

Will Cutting Early Improve Kafir?

If Kafir corn or sorghum is planted early and cut twice instead of once, would it not make better feed? It would be finer and the stock would eat it better. I am told that the second cutting would be dangerous to feed.—M. G. B., Roxbury, Kan.

Kafir will make a larger yield per acre and forage of better quality if allowed to come nearly to maturing before harvesting for fodder. I have not observed much second growth after harvesting one fully developed crop of Kafir fodder.

If the Kafir is cut too green it will make a washy, light hay of less feeding value than the matured hay. The second cutting is more apt to contain poison than the first cutting, as you have stated. On the whole I believe the plan of cutting one good well matured crop of hay is preferable to two immature crops. I suggest that the second growth, if there is any, be plowed under for green manure.

A. M. TenEyck.

Planting Cowpeas With Corn.

I wish to plant corn and cowpeas together in the same row and wish to put the crop in the silo. Could I drill corn first with the corn planter and then "re-track" with the cowpeas in planter, and all be well? What variety of peas should I plant?—E. W. E., Belle Plaine, Kan.

The plan which you propose of planting corn and cowpeas together should work all right if you are careful to drive straight. Gauge your planter to drop the corn kernels 16 to 18 inches apart, and the cowpeas about 6 inches apart in the drill row. Plant a medium early maturing corn such as Silvermine, Boone County White or Reid Yellow Dent with the Whippoorwill cowpeas and when the corn has reached the hard dough or glazed stage, the cowpeas will have reached the stage of maturity when some of the pods begin to turn yellow, the best condition to harvest for fodder.

Plant corn and cowpeas together late in the season, the last of May or first of June, in order that the combination crop may get an equal start. If planted too early in the season before the soil becomes warm, the cowpeas will not start well and grow slowly, which gives the corn too much start, also the same objection arises to planting cowpeas in the

corn rows several weeks after the corn is planted: The corn gets ahead of the peas which make a dwarf and stunted growth. Also the later smaller plants are troublesome in cultivation.

The New Era variety of cowpeas is not well adapted for growing in the corn rows, because it does not produce many tendrils and the plants do not climb the stalks as do the Whippoorwill, the Early Blackeye, the Clay, and other varieties of vining character. The Clay is a standard variety and a good pea to plant with corn, but it should be planted earlier with a medium late corn like Kansas Sunflower, or Roseland White.

There is another plan which I have used quite successfully, for planting cowpeas and corn together in the same row: The cowpeas and corn were mixed about half and half by weight, and the mixed seed was planted at one operation, using the ordinary corn planter. I used the highest gear on a John Deere planter, and a 16-cell edge drop plate, with cells enlarged by filing them out. This arrangement dropped the seed so that the corn kernels average 12 to 24 inches apart and the peas about 6 inches apart.

It is also possible to plant the mixed seed with a grain drill, by carefully gauging the feed until the required thickness of planting is secured. Be careful to stir the mixed seed occasionally so as to plant evenly.

In the western part of the state, the lister may be used to plant the cowpeas and corn by mixing the seed and proceeding as described for the John Deere planter. But the furrows should be rather shallow, since the cowpeas do not start well in deep listed furrows, also the vines will be more or less covered by cultivation, if the furrows are too deep. I am mailing Bulletin No. 160 on cowpeas, as requested.

A. M. TenEyck.

Preventing Smut in Kafir.

Last season my Kafir contained many smut heads. If I should plant this seed should I expect to grow smut again? Can you give method of treatment to kill the smut?—A. W., Medicine Lodge, Kan.

Yes, the sound grain is likely to be infected with smut, and if such seed is planted it will produce smut again. It is rather difficult to fully destroy the smut spores which are likely to infect Kafir seed taken from a smutty field. Soaking the seed for a short time in a solution of formaldehyde, 1 pound to 40 gallons of water, has proven quite effective. I am mailing a Kansas station bulletin giving further information about this treatment, also a circular on grain smuts.

The best way to get rid and stay rid of Kafir or sorghum smut is to select the seed heads from the field as soon as they are fully ripe, selecting the sound, well developed heads, free from smut and not too near a smutted head. Hang these heads in a dry place and cure thoroughly. Such seed will not only be free from smut, but it will grow better and be purer in type and produce larger crops than seed which is threshed from the shock.

A. M. TenEyck.

Cowpeas With Sweet Corn.

I have some land that has been in cane several years, and is considered unfit for most any other crop. I am thinking of planting a patch of sweet corn on it. How would it work to sow cowpeas in the corn at the last cultivation, and cut the corn at maturity? Could I mow the peas for hay if I left the ground as level as possible?—W. E., Holton, Kan.

Cowpeas should do fairly well on this cane ground. At least the rotation with cowpeas will be good for the land. Plow deep early in the spring and disc and harrow sufficiently to destroy weeds and put the soil in good seedbed condition. Plant the cowpeas about June 1. I am mailing Bulletin No. 160 giving information about planting and culture.

The plan which you propose of planting cowpeas in early sweet corn at the last cultivation of the corn should work all right. And unless the season is too dry, you should harvest a fair crop of cowpea hay from such planting.

A. M. TenEyck.

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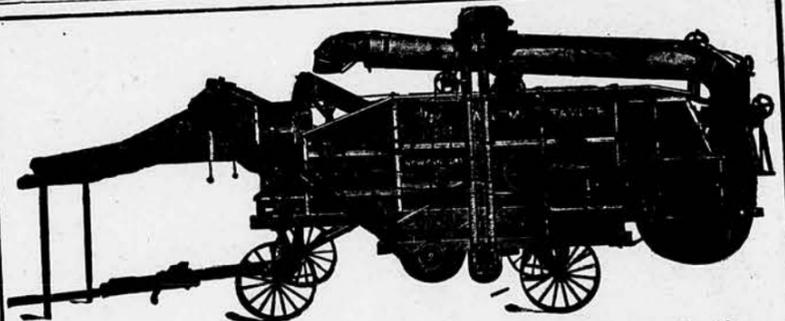
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Oil Meal For Chickens.

What effect will oil cake or oilmeal have when fed to chickens? Will it take the place of meat scrap?—D. J. P., Henryetta, Okla.

Oil meal or oil cake may be fed to poultry in small quantities to good advantage but it will not take the place of meat in the ration. Fed in larger quantities it will have a loosening effect on the bowels.

Planting Old Cut Potatoes.

How long may we keep potatoes cut up for seed before they must be planted?—H. R. W., Kansas City, Kan.

This depends a great deal on where the potatoes are being kept and in what condition they were when cut. Kept in a cool place where they will not rot or dry out and shrivel up they should not be damaged much for seed even two or three weeks after cutting them up. All depends on keeping them from rotting or drying out.

Getting Rid of Moles.

Can you tell me how to get rid of moles that work in gardens and lawns?—W. H. A., Eldorado, Kan.

The most effective way we know of is to set steel spring traps, made specially for moles. Set a trap whenever a fresh run is noticed and usually you will have the mole inside of 24 hours. One way of keeping moles out of a garden or lawn is to sink fine mesh poultry wire all around it, about 18 inches deep. Extra effort is then required to get rid of the moles inside the enclosure but once out they may easily be kept out.

Spring Work at Hays Station

Three hundred acres of drouth-resistant crops, such as Kafir, Dwarf milo and cane, will be planted on the farm of the Hays Experiment station this spring. Besides these feed crops 200 acres of corn and 150 acres of alfalfa will be put in. The Kafir, milo, and cane plantings form part of an experiment in variety tests, seedbed preparation, etc., that is to extend through a series of years. Of the alfalfa to be put out 10 acres will be sown in rows 3 1/2 feet apart, and cultivated. Other experimental work which will be watched with interest is the system of green manuring now in practice on the farm. A green manure crop is grown every other year on the station land, and is followed by wheat. Rye, sweet clover, and winter vetch are the green manure crops used for fall seeding, and field peas are seeded in spring.

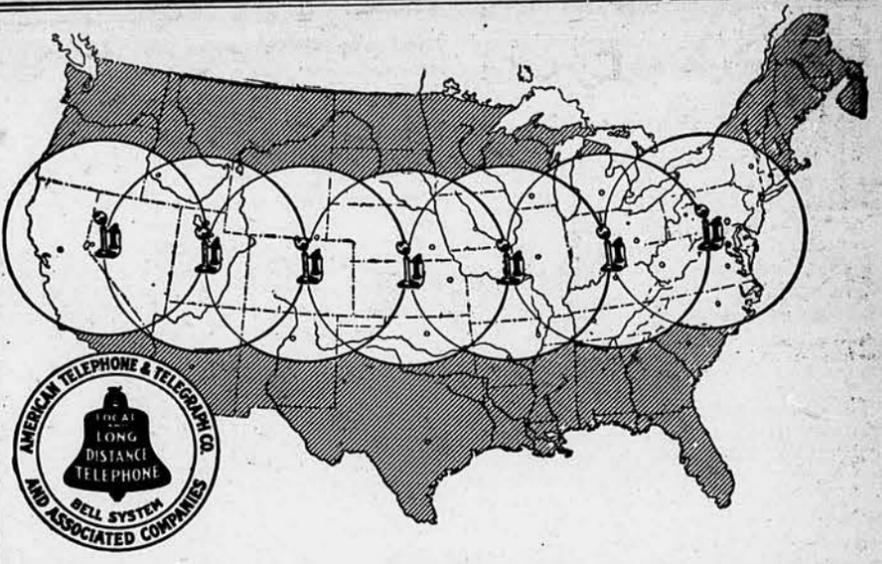
Royal to Show in Old Quarters

Contrary to expectation the 1912 American Royal stock show will occupy the old quarters, the sheep market at the Kansas City stockyards. The show's managers had been notified by the stockyards company that the Royal could no longer be accommodated in the old quarters but the sheepmen came to the rescue and offered their market for one more year. This will give the Royal's directors ample time to secure another site by the time the 1913 show season arrives. At their last meeting the show directors announced positively that the Royal would remain in Kansas City.

Futures in Kafir Corn

The board of trade of Wichita, is becoming noted as a trading center for Kafir corn. Contracts for future delivery are made on the Wichita board of trade and possibly there are such things as Kafir bulls and bears.

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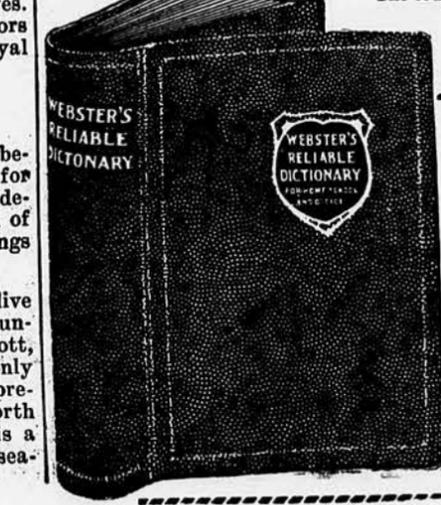
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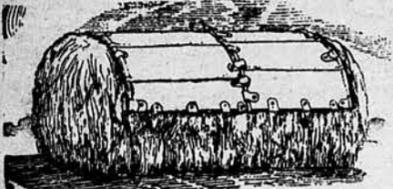
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Feeds & Feeding

QUESTIONS ANSWERED
by Prof. G. C. Wheeler
(Address queries to Farmers Mail and Breeze)

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

Feeding Cottonseed Meal to Hogs.

I should like to hear from someone who has fed cottonseed meal to hogs. How much may be fed when mixed with bran or mill run? I want to give it a trial.—W. C. S. Avery, Okla.

A good many efforts have been made to use cottonseed meal as a hog feed, but by experiment stations and farmers. The results of nearly all those experiments seem to indicate that there is some poison about the meal that is detrimental to swine. It has been fed safely in small quantities for short periods of time, by a number of experiment stations. Pigs always seem to thrive on it for a few weeks. At the Kansas station, a bunch of hogs, a few years ago, was fed a ration consisting of 15 per cent cottonseed meal and 85 per cent corn meal, through a period of 65 days, making a gain per hog of 1 1/2 pounds daily. As a result of the various experiments that have been conducted, it is generally considered unwise to attempt to feed it in quantities to exceed 15 or 20 per cent of the total ration, and then for only comparatively short periods. Where hogs are running on pasture, the bad effects do not as a rule appear so quickly.

G. C. Wheeler.

Feeding of Oil Meal, Cottonseed, Etc.

How much oilmeal can safely be fed to dairy cows, horses, and hogs? What is the composition for feeding value of oilmeal, cottonseed meal, cottonseed hulls, corn chop, bran, and shorts?—S. D. Nickerson, Kan.

The following table gives the digestible nutrients per 100 pounds in the various feeds you mention:

	Carbo- Protein.	hydrates.	Fats.
Corn chop	6.7	64.3	3.5
Cottonseed hulls	0.3	33.2	1.7
New process oilmeal	31.5	35.7	2.4
Old process oilmeal	30.2	32	6.9
Cottonseed meal	37.6	21.4	9.6
Bran	11.9	42	2.5
Shorts	13	45.7	4.5

Corn chop contains the largest total amount of digestible nutrients of any feed on the list. It is distinctly a carbonaceous or fat producing feed. The linseed meal and the cottonseed meal are concentrates containing relatively large amounts of digestible protein. Bran and shorts are intermediate between the corn chop and the cottonseed meal and oilmeal. They both contain rather high amounts of protein in comparison with corn but not nearly as much as the oilmeal. It is more a question as to how much of the expensive concentrates it is profitable to feed than how much it is safe to feed. However, cottonseed meal cannot be fed to hogs safely at all, and should not be fed to horses to exceed 2 pounds per head daily. It is very seldom profitable to feed more than 2 or 3 pounds of the oilmeal or cottonseed meal daily per head to dairy cows. As a rule the cottonseed meal is a little cheaper in proportion to the amount of protein it contains than the linseed oilmeal. If there is not very much difference in price the oilmeal is preferable since its physical effect upon the animals is somewhat better than the cottonseed.

G. C. Wheeler.

Better Times Ahead For Hog Men

BY C. O. ANDERSON.

(Written for Farmers Mail and Breeze.)

In my opinion 1912 is going to end up in a very satisfactory manner for hog men. Prospects are good for crops of all kinds and a good corn crop will stimulate the hog business. When the farmer makes money with a certain line of stock the breeder of that stock makes money at the same time. The hog business is not yet on a solid basis. The booming of prices the last few years has discouraged many breeders too easily.

Anyone can raise hogs but to raise and improve a breed is a different matter. It is here that most beginners fall down. One can learn to ride a bicycle in a short time but it takes longer to learn to run an automobile

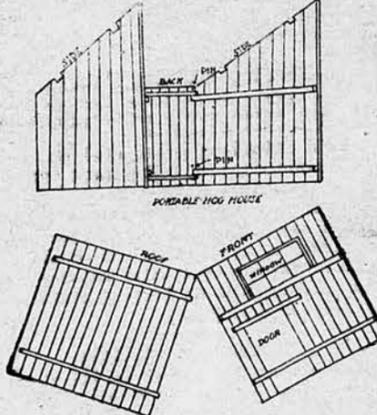
and still longer to learn to raise hogs properly. No doubt many breeders lost money in the breeding business last year but the man who stays with it is the one who will come out ahead.
Manhattan, Kan.

Saving the Whole Litter

BY EDWARD B. CHALK.

(Written for Farmers Mail and Breeze.)

The first care of the brood sow should be to keep her in a thrifty condition without laying on much fat. A week or 10 days before farrowing time put her in a fattening pen and let her get accustomed to her new quarters. Feed a little bran each meal which has a laxative effect and makes farrowing easier. Scratching and petting a sow while feeding is time well spent although it may seem ridiculous to some.



THE HOG COT IN SECTIONS.
(This can be built for about \$7.)

By treatment of this kind I have in one week tamed an old sow that looked like a man eater so I could handle her pigs. At farrowing time see that the sow has plenty of water but feed sparingly. After farrowing gradually increase the feed until, when the pigs are a week old, she may have all she can eat.

Good Way to Stop Scours.

I find the easiest and best way to stop scours is to roast some corn right in the lot on a fire of corn cobs. When the corn has turned brown throw on a handful of salt and when this is melted put the fire out with water. The sow will eat this readily and there will be no more scours. Corn parched in the oven also is good.

I prefer the hog cot or the individual hog house. While the large house is convenient and has other advantages it is hard to keep clean and if a contagious disease breaks out the chances are that all the herd will take it. The bottom timbers of my hog cot are 2 by 6's placed up 8 inches and made to lap over at the corners where a pin holds them in place when set up. The top timbers are 2 by 4's made in the same way. The dimensions of the cot are 8 by 8 feet, 6 feet high in front and 4 1/2 feet at the back. I find that such a house can be built for \$7.

To Make the \$7 Hog Cot.

It is best to make such a house of matched lumber but inch boards a foot wide and well battened are good. I place a guard along the wall of each cot, a 2 by 6 that extends outward and is 6 or 8 inches above the floor. This protects the pigs from being rolled on when they are young. I have five of these cots now and will build five more. They are easily kept dry and clean, may be moved about where wanted and when not in use for hogs may be used to house chickens or calves.

A few farrowing time "don'ts:"

Don't give the sow too much bedding. Don't bother her all the time while farrowing.

Don't feed her corn only but supply her with protein feeds such as bran, meat meal, tankage, oats, etc.

Don't use a wire hook for forceps if the sow needs help. Pig forceps don't cost much and many a sow is killed by using wire.

Don't leave dead pigs in the bed for this starts the pig-eating habit. Jack-rabbits are plentiful out here and I kill them to feed to the sows. I have little trouble with pig eating.

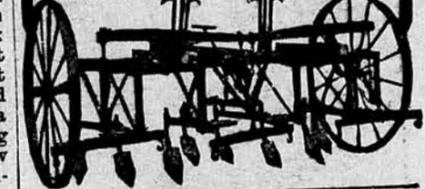
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This Farmers' Cattle Knife is a beauty. It has one large scimitar, one spaying and one congress blade; Extra quality steel, double German Silver bolster and shield, brass lined, stag handle. This beautiful useful knife will be sent you FREE, postpaid,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

MAIL AND BREEZE
Topeka, Kansas

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.

The first essential in making good butter is good cream.

Camphorated oil is good for caked udder or other inflammation.

A thermometer for churning time earns its way summer and winter.

Too sudden a change of diet for the young calf is bound to start trouble.

Covered cream or milk cans on the way to town bespeak a careful dairyman.

This is the time to begin knocking out another possible feed shortage next winter.

A large udder is not always a sure sign of a good milker but more often than not it is a good indication.

Why not a concrete vat in the milk house this spring? They are reasonably cheap, eternally durable, and highly sanitary.

There is not much hope of restoring the lost quarter of a cow's udder. Once in a great while a silver milk tube inserted in the teat will start the milk flow again.

Smaller but better pastures are what intensive dairymen are striving for. Land is too high priced and milk too valuable to make a cow tramp all over a 40-acre lot for a feed.

Veal is bringing big prices now and the sooner the steer calf can be gotten in good flesh and sold the better the chance for profits. Then feed the skim-milk to pigs and chickens.

Do You Know Kansas Dairy Laws?

IMPORTANT REQUIREMENTS.

State Dairy Commissioner D. S. Burch and his deputy, W. F. Droge, are doing active and effective work in enforcing the state and national laws governing the handling of dairy products. More than 70 gallons of cream have been condemned this season as unfit for food. The law requires that cream be delivered in sanitary cans, free from rancid or bitter flavors, and that it be not more than 3 days old during May to October, inclusive. The rest of the year the age limit is 4 days.

The Best Test for Cream.

Commissioner Burch recommends that cream separators be adjusted to skim a 35 to 38 per cent cream. This test has been found to favor the best keeping qualities of cream and is the test most profitable to the producer. Thinner cream contains too much skimmilk and with richer cream incomplete separation often results. The dairy law requires that cream more than 24 hours old must contain 25 per cent of butter fat.

Patrons are warned not to sell cream to a buyer who keeps an unsanitary station, since cream kept in such a place is subject to condemnation at any time. If the sanitary conditions about any cream station become questionable, patrons are asked to report the fact to the dairy commissioner at Manhattan.

Conditions the Law Condemns.

Unsanitary conditions may be defined as keeping cream in musty cans, in cellars, near poultry, oils, or other articles that give off strong flavors. The purpose of the dairy law in Kansas is to make Kansas dairy products more wholesome, which will result in better prices for all milk and cream that comes up to the standard.

With Kansas Cows and Alfalfa.

Mr. Editor—During the year ending March 1, 1912, we milked 16 cows of which 9 were heifers with their first

calves. They produced 157,564 pounds of milk during the year and of this 148,354 pounds were sold to the creamery for \$2,597.12. We also sold 160 pounds to private parties for \$4, which made the total for milk sold \$2,601.12, thus making an average of \$162.57 as the yearly income from each cow for milk alone. I think this is a good showing for Kansas cows and alfalfa.

A. B. Wilcox.
R. 5, Abilene, Kan.

The Plastered Pit Silo

BY M. E. DOWNING.

[Written for Farmers Mail and Breeze.]

This is the most practical idea for a pit silo that I have heard of, but Mr. Downing does not say he uses an inside form in building his wall. The smoother the wall can be made the better the silage will pack, and the better it packs the better it keeps. A pure cement wash applied as a finishing coat to the wall would do much to make this form of silo water-tight.—Editor.

Several pit silos in this neighborhood have been giving satisfaction for four years. I have three small ones myself, each being 7 feet in diameter and 16 feet deep. They are plastered with two coats of mortar made of 1 part cement to 2 parts sand. It took 700 pounds of cement and a small load of sand for each hole. The last one was dug in 15½ hours by three men, with a horse and boy to draw out the dirt, while two men plastered it in one day. I should not advise anyone to try a pit silo without plastering nor to try a sod wall above the surface. Both these schemes have been tried here and failed. An unplastered wall will not stand more than one filling and the cost of plastering is so small that it doesn't pay to run chances. One can put a wall of reinforced concrete above ground, about 3 inches thick with a little heavier ring at the surface to protect the edge of the hole. We have silo pits here on sandy and on hard land, both giving equally good service.

Row Crops for Silage.

I have tried every kind of row crop for silage and find the cows relish cape best, milo next, then corn, Kafir, and Dwarf broomcorn. Standard broomcorn is not good for the purpose. No one need be afraid of having too few cows to make it worth while to have one of the silos. The man with a single cow can dig one 5 or 6 feet in diameter and 20 feet deep. The silage will keep in a small pit as well as a large one if it is properly cut and well tramped in while filling.

Dig the pit on well drained ground, for if water is allowed to seep in it will spoil the silage. In this neighborhood we take out the silage by means of a rope run over a pulley that is hung over the hole. One man uses his hay carrier and a large sheet iron bucket which he draws out with a horse, running it along the track right to the mangers. It is more work to get silage out of a pit than out of a silo above ground, but work doesn't hurt a man that wants a silo and who hasn't got \$250 to build one above ground.

R. 3, Hooker, Okla.

DE LAVAL CREAM SEPARATORS

Their Great Simplicity

DE LAVAL CREAM SEPARATORS EXCEL ALL OTHER separators not only in thoroughness of separation, sanitary cleanliness, ease of running and durability—but as well in their great simplicity.

THERE IS NOTHING ABOUT THE operation, cleaning, adjustment or repair of a modern De Laval Cream Separator which requires expert knowledge or special tools.

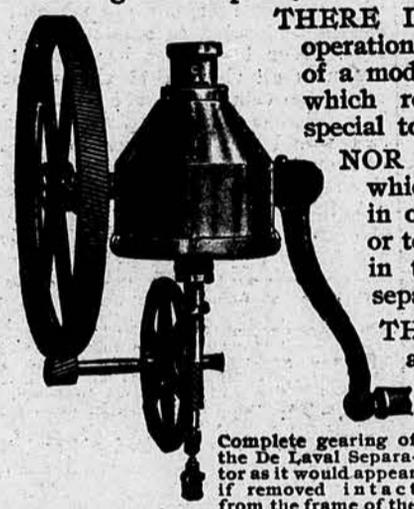
NOR ARE THERE ANY PARTS which require frequent adjustment in order to maintain good running or to conform to varying conditions in the every-day use of a cream separator.

THERE IS NO NEED TO FIT and adjust parts to get them together right. They are so carefully and accurately made that they cannot help go together right. All bearings and bushings are easy to replace. There are no complicated springs, keys, ball bearings or other fittings, that only an expert can properly adjust.

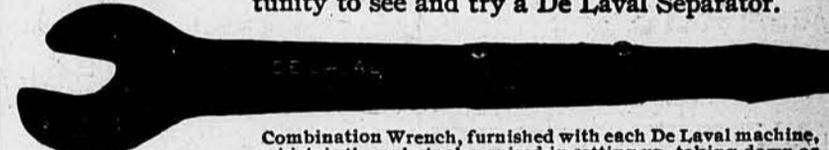
IN FACT, SO SIMPLE IS THE CONSTRUCTION OF A De Laval machine that a person who has never touched a separator before can, if need be, take a modern De Laval machine completely apart within a few minutes and then put it together again as quickly. This is something which cannot be done outside a shop with any other separator.

THERE IS NOTHING ABOUT THE MACHINE THAT cannot be taken apart, removed or replaced by any one who can use a wrench or screw driver. In fact, the only tool which is needed in the use and operation of a De Laval Cream Separator is the combination wrench and screw driver illustrated below.

THE ONLY WAY TO PROPERLY UNDERSTAND AND appreciate De Laval superiority to other separators, is to look over, and better still to try, a 1912 De Laval machine. Every De Laval agent is glad to afford prospective buyers the opportunity to see and try a De Laval Separator.



Complete gearing of the De Laval Separator as it would appear if removed intact from the frame of the machine. Note the remarkable simplicity of construction.



Combination Wrench, furnished with each De Laval machine, which is the only tool required in setting up, taking down or using the De Laval, the most simple cream separator ever built.

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

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Reg. Pharmacist and Graduate Chemist

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If your stock (especially sheep and hogs) cough, look gaunt and thin, have dull eyes, laggard steps and drooping ears—look out for worms. They are stealing your stock profits and keeping your animals from thriving and putting on money-making flesh. Some may even die. I'll stop these losses, or no pay.

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Land lies within one to five miles of our railroad and close to good towns, schools and churches; easy to farm and some of the best land in the world for raising corn, cattle, hogs, horses, fodder, cotton, vegetables, fruits, nuts, poultry, dairy, etc.; wonderful climate, never have to house stock, raise two to four crops a year; a cheap place to live, great opportunities.

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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. In asking advice be sure to state in full the history of the case, location of the disease and the conditions under which animal has been kept just prior to and since the disease appeared. 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.

Cow Won't Breed.

I have a cow that has had a calf and she comes in heat about once every three or four weeks. How may she be treated to get her with calf?—J. L., Axtell, Kan.

In all probability there is some disease of the genital organs present and this should be located before treatment will help. Would see that her general condition is all right, that she is not too fat or too thin and would see that there is no discharge present from the organs and would not breed her for at least two or three periods after clearing up these conditions. Your information is not full enough to give a reasonable answer.

Trouble From Old Cut.

I have a horse weighing about 1,000 pounds that was cut in the wire fence about two years ago, on the heel of the front foot below the fetlock. It has never healed up and will grow out, break off then grow out again. When the scab is knocked off it looks white and will start to bleed. He limps sometimes. What can be done for it?—C. V. B., Avard, Okla.

When a scab is knocked off and there is an enlargement there which could be easily burned off with a white hot iron, at times application of white lotion may help it. This is made up by adding one ounce each of sulphate of zinc and acetate of lead to one pint of water. Shake thoroughly before using. Would keep the surrounding parts softened up thoroughly by rubbing in a little carbolized vaseline.

Cracked Hoof.

I have a horse that has a split hoof from the top to the lower edge. It opens and closes while walking but does not make him lame. I keep him shod all the time. What can be done for this?—L. M. W., Fate, Mo.

An injury to the coronary band frequently causes trouble of this kind and it is sometimes hard to clear up. An operation sometimes will help it but this of course must be done by a man who thoroughly understands it and even then it is not always successful. Sometimes a clamp made especially for this purpose and properly applied will hold the two edges of the wall together until it heals over, but this also should be applied by an expert. These quarter cracks and toe cracks are very slow to respond to treatment.

Hoof or Shoulder Lameness.

What can I do for a 9-year-old mare that has been lame in her right shoulder for a year? I use her for driving and when standing she rests her foot on her toe with her knee bent forward.—R. E. H., Ingersoll, Kan.

Looks very much as though the trouble was in the hoof. Would examine that thoroughly and see that the trouble is not navicular disease. Pick up the foot and give two or three sharp blows upon the frog about its middle with a hammer. If the animal flinches considerably you may be sure that this is where the

trouble is. If this is the case, treatment may not do much good but would soften the hoof and rub in a good stimulating liniment around the coronary band, just above the hoof, clear around. Do this two or three times per week and keep the animal off hard ground if possible. If it should be the shoulder, the liniment should be rubbed in around the point of the shoulder but be sure that you locate the trouble before attempting treatment.

Probably Apoplexy.

I had a cow that dropped a good strong calf March 17 which is still alive but the cow died two hours later seemingly without a struggle. She had been in the best of condition all winter. I cut her open but found no rupture. Can you give me any light on this case?—J. J. K., Arriba, Colo.

The cause of death probably was apoplexy, which is caused by a blood clot in the brain and for this condition there is no treatment or preventive.

Growth on Hock.

I have a black 3-year-old mare that has a lump on the right hock that gathers up and runs at times. It is now about the size of a dollar and is red in color. It first appeared last summer while the mare was on pasture. We burnt it off but it did not kill it.—W. T. M., Leroy, Kan.

Would feed this mare a teaspoonful each of powdered sulphur and powdered nitrate of potash in the feed once per day. Also mix 2 ounces each of kerosene and raw linseed oil thoroughly and with a feather apply some of this directly to the sore once or twice per day, being careful not to get it on any of the surrounding skin.

Womb Troubles in Cow.

I have a cow that will be 3 years old in June. She had a calf about a year ago and have bred her two or three times since. She has been discharging a thick, white matter and this is followed by a bloody discharge. She also strains as if she were calving. Would like to have your advice on the subject.—W. M. H., Owasso, Okla.

There is a diseased condition, probably of the womb, which may involve the ovaries. It will be useless to try to get her in calf while she is in this condition. This may have been caused from an injury during her calving or from the fact that the afterbirth was not removed properly at the time. Would not breed her until several months after you think she is entirely over the trouble, as you are running chances of causing infectious abortion through the male. Treatment would consist of injecting about 1/2 gallon of luke warm water (not too warm) to which has been added 1 tablespoonful of creolin or good, pure dip. Would give her this injection once per day for about 10 days then wait a week or two and repeat. At the same time would give her in the feed 1 heaping teaspoonful of a mixture of powdered nitrate of potash and powdered hyposulphite of soda.

SPECIAL SUBSCRIPTION BARGAIN.

The Farmers Mail and Breeze Until January 1, 1913, for Only 25 Cents.

This is a special subscription offer made to interest new readers in Farmers Mail and Breeze. Send 25 cents in stamps and get the big farm paper every week from the time your order reaches us until January 1, next. Regular price \$1.00 per year. Tell your friends about this special subscription offer. If you send in a list of four, with a remittance of \$1.00, we will give you your own subscription for your trouble. Send at once and get the full benefit of this special low offer.

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PURE WATER fattens your hogs and prevents cholera. Buy an ever-ready, never-failing "HANDY." Its VALVE, the essential part, is superior to all others. Attaches to tank, barrel or pipe. Will last a lifetime. **EVERY FOUNTAIN GUARANTEED.** Ask your dealer for a "Handy."



NOVELTY IRON WORKS, Dept. M, STERLING, ILL.

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New Model Steel Beauty ALL STEEL

Let us prove that our New Model is the Strongest, Most Durable, Most Economical and Simplest Hay Press in the World—does the best work—has greatest capacity—saves time, labor and trouble—contains exclusive feature found in no other press—with or without self-feed, pull back and hopper condenser—fully guaranteed—we make largest line of Bailers in the world. Write today for big free catalog. **WHITMAN AGRICULTURAL CO., 6948 S. Broadway, St. Louis**

Silos kept from decay

Double life of your silo and woodwork with **AVENARIUS CARBOLINEUM** (Registered)

Stops decay. Used on roofs, wind-mills, barns, chicken coops, fence posts. Applied like paint. Circular free. Freight prepaid. **Carbolineum Wood Preserving Co., Dept. 112 Milwaukee, Wis.**

WOOL WANTED

Write For Prices.

SACKS AND TWINE at cost.

T. J. BROWN FUR CO., 3rd & Delaware St. Kansas City, Mo.

Steel Mills	\$12.75	We make many sizes of Mills, Tanks, Pumps and Gasoline engines: satisfaction or no sale. You will save money if you investigate.
Iron Pumps	1.80	
Steel Tanks	2.70	
Gasoline Engines	35.90	

Catalogs Free
The Ottawa Mfg. Co., 604 King St. Ottawa, Kansas

WE TEACH YOU

to operate and repair automobiles in our fully equipped shop, giving training in vulcanizing, drill press and lathe practice, qualifying you in six weeks. Address **LINCOLN AUTO SCHOOL, 2350 O St., Lincoln, Neb.**

THIS BEAUTIFUL RING FREE!

Set with four sapphires surrounded with six bright sparkling diamonds. This is positively the most beautiful ring ever given and can be had without costing you one cent by distributing only four of our large beautiful pictures at 25c. by our special plan. We send pictures at once, all charges paid, all different. Printed in 20 to 27 different colors. Send no money in advance. We trust you with pictures until disposed of. You can also earn Watch, Doll, Bracelet or Lace Curtain, if you wish. **KANSAS ART CLUB, Dept. 27, Topeka, Kan.**

Kansas Wheat Average to Rise

MAY REACH 15 THIS YEAR.

It is the opinion of William M. Jardine, head of the farm crops department in the Kansas Agricultural college that Kansas will produce 80 to 90 million bushels of wheat this year. He says there will be nearly 6 million acres to harvest and that conditions are such as to make a probable average of 15 bushels an acre.

Not since 1903 has the average for the state been as high as 15 bushels per acre. In 1910 it was 12.53. Last year, the "dry year," it was a fraction more than 7.

The crop is likely to be much larger, Prof. Jardine thinks, than present conditions seem to indicate. In the South the late seeding seems to have been the best. Some fields sown in November look fine. This is unusual, however. This year the ground has crusted as a result of the heavy snows followed by drying winds. The harrow does not break this crust effectively so the corrugated roller, the subsurface packer, or the spike-tooth alfalfa renovator are recommended in preference to it. In ordinary years the harrow would accomplish the purpose. The implements should be driven at right angles to the drill rows. The discs of the disc harrow should be set straight up and down so as not to tear out too much of the wheat.

Tomato Contests For the Girls

The Agricultural college is interesting the Kansas girls in a tomato growing contest this year. It is a fine idea and the girls will undoubtedly do their part wherever such a contest is held. Each girl is to have a plot 1 rod square in which she may set out 16 or 20 plants, do all the work after the plowing or spading, such as planting, hoeing, pruning, gathering, and canning, and is finally to exhibit one can in the local contest with a statement as to number of pounds gathered and the number of cans put up. Farmers' institutes, schools and women's clubs are asked to take up the plan and promote these tomato contests locally, either as individual organizations or in co-operation with one another. Someone is needed in each town or country community to initiate the contests. Printed matter, with suggestions for conducting the contests, may be had by addressing J. H. Miller, director of college extension, Manhattan, Kan.

Agriculture For Teachers

Vocational education for the producer is one of America's larger unsolved educational problems. The solution of this problem is being delayed in Kansas by the scarcity of teachers trained in vocational subjects. In order that the Kansas State Agricultural college may render the greatest service possible to the state in the solution of this problem, the board of regents has authorized the organization of a summer school for teachers June 13 to July 25. Courses are offered for rural teachers, high school teachers, principals and superintendents. Further information is given in a bulletin for teachers which may be obtained by writing to President H. J. Waters, or Edwin L. Holton, director of the summer school, Manhattan, Kan.

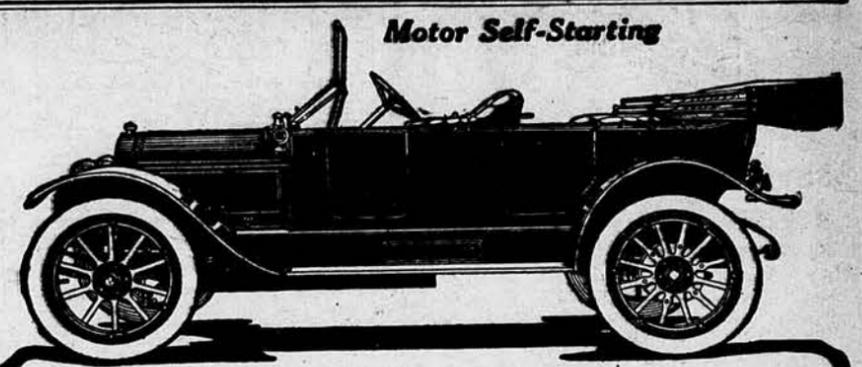
Where Summer Fallow is Law

Mr. Editor—Another way to irrigate land is to summer fallow. Here in Idaho one cannot rent Indian land any more without agreeing to summer fallow it at least one summer out of three. I think some parts of Kansas need such a system worse than we do here.

G. M. Rankin.
Gifford, Idaho.

A New Way to Make Money.

I am making a fortune making and selling Pure Fruit Candy. Every brainy girl in America can do likewise; so if you want more money than you ever possessed write me, and I will help you start in business. I am glad to help other girls, who like myself need money. People say "the candy is the best they ever tasted"—therein lies the beauty of the business—the candy is so good it is all eaten and more ordered immediately. You don't have to canvass,—sell from your own home. I made \$12 the first day; so can you. Isabelle Inez, 409E Negley Ave., Pittsburg, Pa.



Motor Self-Starting

Big Value in a Big Car

An Auto Your Wife Can Run

Your wife can manage this big, powerful car with the utmost ease and safety. The self-starting motor, the easy control and the reliability of the machine in general make it safe in the hands of a novice.

The Case "Eagle" Stands for Quality

This emblem on an automobile has the same significance as the STERLING MARK on silver. It stands for highest quality and guarantee that protects. J. I. Case machinery was famous for quality when your grandfather was a boy. The Greater Case 40 adds new luster to its fame.

CASE 40

"The Car With the Famous Engine"

It took 18 years to perfect the mighty engine which makes Case Cars supreme in satisfaction and service.

What You Get With the Case Car

The Greater Case is a high-grade car at a medium-price. Fore-door ventilation—combination oil and electric side and tail lamps with storage lighting battery—reliable self-starter—36x4-in. tires—11-in. clearance—4 1/2 x 5 1/4-in. cylinders—Rayfield carburetor—Brown-Lipe transmission—Timken full-floating axles—cellular type radiator—regulation trimmings—demountable rims—English mohair top with side curtains and dust hood—high grade windshield—12-in. acetylene gas head lamps—Prest-O-Lite tank for head lamps—one extra demountable rim—complete set of tools—jack and tire-repair kit—pump.

Send Coupon for Case Catalog

Write for catalog and prices on the full line of Case Cars, including the well-known Case "30." See the car at nearest Case Agency. Ride in it, at our expense, as fast and as far as you wish. Advance orders for cars are coming fast—write us today, without fail.

J. I. CASE T. M. CO., Inc. Dept. 44 Racine, Wis.

Please send me at once your latest catalog describing

"The Car With the Famous Engine"

NAME _____

TOWN _____

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WANTED!

MORE FARMERS TO CULTIVATE MORE ACRES AND PRODUCE MORE BUSHELS OF CORN PER ACRE AT LOWER COST BY USING THE BEATRICE TWO-ROW CULTIVATOR. WE PROVE WHAT WE ADVERTISE—YOU CAN MAKE MORE MONEY. WRITE TODAY FOR FREE CATALOG THAT TELLS HOW.

BEATRICE IRON WORKS, BOX 0 BEATRICE, NEBRASKA, U.S.A.

\$29.50 Buys This Elegant Top Buggy.

WARRANTED FOR Five Years.

Retail Price \$60.00. Buggies, Surreys, Spring Wagons, Farm Wagons. We have cut out our Jobbers, our Wholesalers and our Retailers and offer YOU their profit. Write today for our Free Catalog and Delivered Prices. **Mutual Carriage & Harness Mfg. Co. Station 38K, East St. Louis, Ill.**



LOOK!

High Water Mark in Quality At Bed-Rock Factory Price

That's my Manure Spreader proposition in a nutshell. That's the offer that has stirred up such a row among all the trusts, manufacturers and middlemen because it attacks the very foundation of their many-profit, high-price system. Galloway Quality, the finest in the land, batters down the last bulwark of high price argument.

LISTEN!

Take the New No. 5 Galloway Manure Spreader with Mandt's new gear, for example. It has eleven distinct and separate patents—some single features worth \$50 extra to you, yet they don't cost you a penny more. Mandt's new gear is certainly a masterpiece, with steel axles, covered with hard wood and clipped on with steel clips, removable hubs and dust-proof bearings with hard oilers, flexible in every way and just as good as ripened experience, fine materials and high class labor can make it, which are the only things necessary for quality.

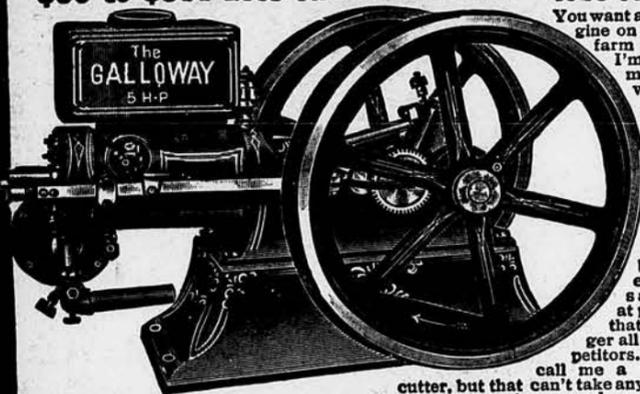
First, notice how low down it is in front as well as in the rear. Notice the detachable force feed; the simple mechanism and the irresistible roller feed, which enables us to do with eighteen to twenty pounds of the toughest malleable iron what out-of-date manure spreader manufacturers do with 400 or 500 pounds of brittle grey iron, cogs and gears. I tell you, friends, I'm mighty pleased with the Galloway Spreader and I know you will be. I operate six of them on my own farms. And my special low price saves you \$50.00—quality considered. Make me prove it. Write today. Get my big, handsome, new spreader catalog showing all styles and sizes. Get my ten or more men offer, my long Free Trial, my offer of money back with interest after a year's test. I'll also send my Latest and Greatest Publication for Farmers—"A Streak of Gold"—the best book ever written on Manure, its value, its uses, and its handling. Mail coupon or write postal.



\$50.00 Saved For You

The Matchless Galloway Engines \$50 to \$300 Less Than Others Ask

Let Me Prove It To You



You want an engine on your farm and I'm the man who can supply you with the highest quality anybody ever saw—at prices that stagger all competitors. They call me a price-cutter, but that can't take any quality away from my engines and you can bet it won't make me raise prices. I have a sizzling proposition to make you if you'll only write me and ask about it. Any size power-outfit you want—sold direct from factory—on 30 days' free trial—backed by a 5-year guarantee and \$25,000 bank bond—and the price saves you \$50 to \$300, quality for quality. I have a special offer for 10 men or more in every township on engines, too. Write quick and be among the wise ones. My Free Engine Book is a whole education on Farm Power. Mail coupon or write me a postal now.

GALLOWAY'S Bath-in-Oil Cream Separator Doubles Dairy Dollars

And I Save You \$20 to \$40 on Price

My plan makes you your own dealer, agent and salesman. You sell your separator and you save all the middle profits. Just get my price on this famous "Bath-in-Oil" Separator and see how much you save! Get my Free Trial Offer and guarantee. Don't believe what dealers say—they have reasons for "knocking." Write me for the facts and figure it out yourself. I guarantee to save you \$20 to \$40 on price, quality for quality, and guarantee that no separator can beat mine for quality—ease of turning, ease of cleaning, close skimming, or durability.

FREE COUPON

Fill out this coupon and get the book or books you are most interested in. Check them off. If you check spreaders I'll send "A Streak of Gold" with the catalog. I'll also send my new, original, interesting General Line Catalog—sensational on Price and Quality; or write a postal or letter.

- SPREADERS
- ENGINES
- SEPARATORS

Name.....
Town.....
R. F. D..... State.....



Fair Play

DO you know the real "Galloway"—the farmers' manufacturer of Waterloo, Iowa? Or have you gotten your idea of "Galloway" in an indirect, round-about fashion, from some dealer or other (friendly?) competitor?

The picture above of "Galloway" is put there for just one purpose—to help this paper bring us closer together. To help us understand each other.

It would make all the difference in the world to me if I could know all you readers of this paper personally. And I'm in dead earnest when I say I think it would make a difference to you—a big difference in the way of less expense and more profit.

I do know thousands of farmers personally, thank goodness, and they know me. And I've done business with hundreds of thousands of others. All these are now preaching the principles of direct dealing. They are for Galloway strong, and are spreading the news of a higher standard of quality at a lower price.

But it hurts me to think of the thousands and thousands of you who have been given the wrong idea. I'm hearing every day of that "straw man" the dealers have built up and call "Galloway."

Maybe your dealer is a fair, straight, truthful man who would scorn to stoop to falsehood about me or anyone else. I hope so. Such a man is a credit to any community. But that weak-kneed, short-sighted, selfish, unbusinesslike class of dealers and manufacturers who talk of "Galloway" as a "mail order dealer," who say "Galloway has no factory"—Galloway is nearly broke!—"Galloway sells cheap goods"—and all that kind of underhanded stuff—these are the men I want you to be ready for.

Why, time and time again, farmers who have visited me and gone through our factories, have taken home a handful of shavings from the steel crank shafts of our engines, to show their dealers who had tried to make them think our crank shafts were made of cast iron. Think of it! And so it goes. One, silly, childish falsehood after another. Anything to knock "Galloway." Anything to keep you from knowing the real Galloway—anything to prevent you from finding out Galloway quality and Galloway price.

Why Not Write Me Now?

I wish you could come and see me instead. I wish we could entertain you at our Farmers' Club here, take you through our factories, show you the orders as they come in—examine all the machines you are interested in—and convince you in a hundred ways that here is where your best interests are served best. But only a few of you comparatively can come. The tens of thousands I must reach through such good, reliable papers as this. I must depend on you to write. Will you do it? Will you give me the chance to let you know the real Galloway?

Will you let me give you facts that will knock into a cocked hat any of those ridiculous stories that my unscrupulous competitors tell to get you off the track of my big saving offers?

I'm too busy making and selling my spreaders, engines and separators to pay much attention to these stories or the class of men they come from. But I do want every farmer to know the facts and I want you to get them now.

Just mail the coupon or write me if you have time so we can get acquainted. Then I'll take my chances with all the "stories" you ever run into. Yours faithfully, WM. GALLOWAY.

THE WM. GALLOWAY CO., 208BC Galloway Sta., Waterloo, Ia., U.S.A.

REMEMBER—We carry complete stocks of all our machines in our warehouses at Chicago, Kansas City, Council Bluffs and Minneapolis—insuring prompt shipment.



The Aermotor with the automatic regulator stops when the tank is full and starts when the water is lowered 4 inches. You oil it once a week. A gasoline engine has to be started and stopped and oiled and attended almost constantly, and you have large expense for gasoline and oil. The wind is free.

We make gasoline engines (exceedingly good ones) but, for the average water supply for the home and 150 head of stock, an 8-foot Aermotor with a storage tank,—which is a necessity with any kind of water supply—is all that is needed and is by far the more economical. The supply of wind for the Aermotor is more to be relied upon than the supply of gasoline, batteries and repairs for the gasoline engine.

The cost of gasoline, oil, batteries and repairs in pumping for 150 head of stock with a gasoline engine, will buy an 8-foot Aermotor every year, and you are still to the bad the amount of time you spend over the gasoline engine.

But the gasoline engine has its place on the farm notwithstanding the fact that 100 people are maimed or killed with gasoline where one is injured by a windmill, and that 100 farm buildings are burned with gasoline where none is injured by a windmill. For the water supply, the windmill is the thing. Thousands of farmers who have done their first power pumping by a gasoline engine have become tired of it and are buying windmills. That is one reason why our windmill business increases from year to year. We can furnish you much testimony like the following:

Devine, Tex., Dec. 16, 1911.
I am sending you a photograph of one of the oldest windmills in this country—it being the first Aermotor put up in Medina County—and is used to furnish water for hundreds of head of cattle. It was put up in the year 1852 and is owned by Mr. Murdo Monroe. The only repairs this mill has ever needed are one small gear and a rocker arm, the total cost of which was \$2.50. This Aermotor is still running and doing good service, furnishing water for cattle and family.

LOUIS GACONET.
Find, if you can, a statement like this regarding gasoline engines.



Of course, there are places where a windmill cannot be used. There you will have to use a gasoline engine, with all of its disadvantages. We will furnish for that place a small engine which costs but \$37.50 complete, so it can be set to pumping in 30 minutes. Or we will furnish you a pump jack—the best made—for \$6.00, to pump with a larger gasoline engine. Send for catalogue giving full information about water supply. Aermotor Co., Chicago, Branch Houses: Oakland, Cal.; Kansas City, Mo.; Minneapolis, Minn.

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.

Big Profit Possible in Rhubarb.
[Prize Letter.]

Mr. Editor—Enormous profits are possible in growing rhubarb and its culture is very simple. It is possible to have rhubarb pies any time during the winter and market some besides, at high prices. Plant some roots this spring and cultivate them well to secure a large clump of roots by fall. In November take up these clumps and allow them to freeze for a few days and then set them in barrels or boxes and place them in the cellar or anywhere else, just so the temperature can be kept at from 50 to 70 degrees. Keep the soil moist but not wet and in four or five weeks you will have rhubarb large enough to use or to market. The roots will produce about three cuttings during the winter. Every root planted this spring will make a good clump for winter forcing.

Mrs. A. E. Horton.
Allison, Kan.

Peach Prospects in Kansas.

Mr. Editor—The favored peach section in Kansas this year, will be a belt beginning in the central part of the state, extending east to Topeka and north to the Nebraska line. In some parts of that belt, 90 per cent of the bloom buds went through the winter. Ordinarily, if 5 per cent of the bloom survives the winter a full crop will result. This high percentage of good buds means a big crop of peaches in this part of the state unless something happens later. But the northeastern part of Kansas will have no peaches. Eighty orchards up there show no live buds. Last October was wet in that section and the trees were full of sap when the first freeze came. That killed the buds. In the central belt the fall was dry and the trees went into winter quarters in good shape. The buds were dry and withstood the cold. Elbertas and Crawfords will not be so plentiful as the hardier varieties.

C. V. Holsinger.
Kansas Agricultural College, Manhattan.

Garden Drouth Insurance.
[Prize Letter.]

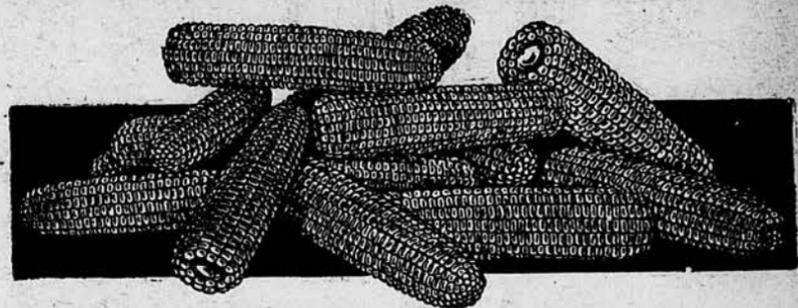
Mr. Editor—I had a good garden last year in spite of the dry summer. I made the garden below the water tank and irrigated it. I had a main ditch running lengthwise of the patch while the rows of vegetables ran crosswise. I made a small furrow close to each row but not close enough to wash out the small roots, and then turned in the water slowly. Water was turned on in the evening and next morning the watered portion was worked over to prevent baking. In setting out plants I found it a good plan to make a small furrow where the plants were wanted and this was filled with water. After the water had soaked in, the plants were set out and shaded the first day. This is a better way to get them started than to wait and set them out after a heavy rain when the ground about the plant is packed too hard. When the ground is dry at planting time the same method may be successfully used in putting in seeds. Simply run the water into the small furrows and plant the seed after the water has soaked in, then cover.

These are plans I have found to be practical and they paid me well. Nearly every farm has some means of raising water, either by windmill or gasoline engine. If your garden is not located where you can get water on it move the garden.

A Good Word From Oklahoma.

Mr. Editor—I am a subscriber of Farmers Mail and Breeze and think it is a dandy. It covers more ground than any two ordinary agricultural papers I ever saw.

Bert Ray.
Gaither, Okla. April 9, 1912.



THE PUREST SEED CORN IN THE WORLD
—Over 99% Germination!!

Zimmerman's Giant White

Here is a brand that will show you the way to more money from the corn crop! I call it "Zimmerman's Giant White" and I consider it one of the most perfect specimens of high-grade pure-bred Seed Corn ever offered. Has extra large ears—extra heavy grain. Matures in 100 days. This corn has been carefully tested and accurately tested and showed 98 1/2% germination. It is a mighty safe investment and will please you in every way.

Special Price \$2.00 Per Bushel in the Ear.

Boone County White

My "Boone County White" seed corn is fast becoming recognized as the leader among all breeds of white corn—in fact there is no better at any price! My "Boone County White" was recently tested by the Grange—from 3 to 4 grains having been taken from more than 300 ears. This most thorough and exacting test showed the high average of 99 1/2% germination! I'll back this corn against any other white corn in the world. I know it can't be beat!

Special Price \$2.00 Per Bushel Tipped, Butted and Graded. 4 or more bu. at \$1.80 per bu.

Get My Illustrated Folder Describing

Zimmerman's Tested Seed Corn

My seed corn is grown under special contract by one of the best known and most successful growers in the West. Write quick for circular and prices. Quantity limited this year. Get your supply before the BEST is all taken! My TESTED seed corn brought first prize State Corn Show at Manhattan, Kan., last two years; first at State Fair, Topeka, Kan., two years; Capper Ear Prize at Topeka, Kan.

I sell the very best and most carefully tested seed corn at lowest prices. My stock includes "Reid's Yellow Dent," 98% germination; "Perfected Golden Beauty," 99% germination, and other standard breeds. Write today for illustrated catalog.

ZIMMERMAN SEED CO., 625 Quincy Street, TOPEKA, KANSAS

6 BIGGEST, BEST and MOST BEAUTIFUL Chrysanthemums F-R-E-E!

A big garden of the always popular "Mums" may now be yours—and absolutely without cost! The beautiful Chrysanthemum collection described below is made up of First Prize Winners and is grown for us by one of the most famous firms of florists in America.

The beauty of this flower of the Orient is well known. Few people realize, however, how easily they can be grown. The Chrysanthemums described are among the best and most valuable varieties; they are healthy growers, early and abundant bloomers and bear flowers of the largest size and most beautiful shades of color. Here is a brief description of the six varieties included in our great free offer:

POLLY ROSE—Produces extra sized flowers of purest white; fine deep form, foliage evenly distributed.

SIX COLORS:
White, Pink, Crimson-Maroon, Canary-Yellow, Lavender and Golden-Yellow.

PACIFIC SUPREME—A new globular, incurved variety. A delicate pink and very early flowering.

BLACK HAWK—The darkest red yet raised, velvety crimson-maroon. Outer petals reflexed, center erect, making a very large flower.

GOLDEN GLOW—The finest of its color ever offered. A fine canary-yellow of a soft texture, with broad petals.

LAVENDER QUEEN—Very solid Japanese incurved; large in size, fine lavender, height 3 1/2 feet; blooms about October 15. An exceptionally fine variety.

SUNBURST—Undoubtedly the grandest golden-yellow variety ever introduced; the marvel of the period. Nothing can exceed the richness of its color. Remarkably vigorous grower; carries its great globular flowers erect, giving it a bold, majestic appearance.

MY OFFER:

My purpose in offering to send you these six beautiful plants, absolutely free and prepaid, is to further introduce my already well-known publication.

If you are already a paid-in-advance subscriber you may accept my offer and time will be extended. If your time has run out, renew on this liberal offer. Show this offer to your flower-loving friends so that they, too, may have one of these beautiful collections. If not a subscriber, send your subscription and get the best paper of its kind published, and share also in this big offer.

Send me just \$1.00 to pay for a new, renewal or extension subscription to my paper for one year and I will send to your address, at proper time for planting, the six beautiful varieties named above, free and prepaid. Send your dollar at once. Address,

Mail and Breeze, Dept. 6-M, Topeka, Kan.



All the Most Beautiful Forms—Incurved, Recurved, Globular and Whorled



SILVERMINE and BOONE CO. WHITE OUR SEED CROWS
Grown from Kansas State Agricultural College breeding stock.
Maple Hill Farms
Earnest W. Young, Prop.
Lawrence, Kansas

PLANTS

SWEET POTATOES, TOMATOES, CABBAGE, ETC. RIGHT PRICES.

HAYES SEED HOUSE
524-26 N. Kan. Ave., Topeka.

OLD NORTHERN GROWN SEED CORN.

Why not buy seed corn that you know will grow? I have 4 varieties. Either ear or shelled. Have grown, tested, and guaranteed. Better seed corn cannot be found. Price \$2.25 to \$5.00 per bu. Write for my circular.
FRANK J. RIST, HUMBOLDT, NEBRASKA

SEED CORN

Plant the best and highest yielding corn that grows. Send at once for Free Corn Book giving description, proof and prices.
E. D. Roberts, Corn Specialist Red Oak, Ia.

CANE SEED and MILLET

LOWEST PRICES.
HAYES SEED HOUSE
524-26 N. Kan. Ave., Topeka.

ALFALFA RECLEANED SEED

Write for samples and prices. J. Jacobson, Formoso, Kan.

4 BUGGY WHEELS PRICES PAID \$675
With Rubber Tires, \$18.45. Your Wheels Rubbed, \$10.00. 1 make wheels 1/4 to 4 in. tread. Tops, \$2.50. Shafts, \$2.10. Repair Wheels, \$5.95; Axles \$2.25; Wag- on Umbrella free. Buy direct. Ask for Catalog 60
SPLIT HICKORY WHEEL CO., 560 F St., Cincinnati, Ohio.

MEET ME AT THE
BLOSSOM HOUSE
KANSAS CITY, MO.



CENTURY Ready Mixed Paint
Guaranteed for Ten Years

CENTURY HOUSE PAINT, in 1-gal. cans, Any Color. Terms cash, - - Per Gallon, \$1.30

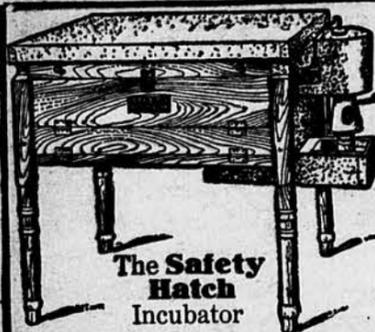
CENTURY BARN PAINT, in 1-gal. cans, Red, Green, and Gray. Terms cash, Per Gallon, .70

Freight Paid to any station east of the Rocky Mountains on all orders of six gallons or more, except to N. D., S. D., Colo., N. M., Tex., Okla., Miss., Ala., La., Ga. and Fla. Delivered price to these States 5c. per gallon additional.

Write for FREE Color Card, catalogue and prices, or order direct from this advertisement. Satisfaction guaranteed or money refunded. We refer you to the Southern Illinois National Bank.

CENTURY MFG. CO., Dept. 421, East St. Louis, Ills.





The Safety Hatch Incubator

This is the latest improved incubator and by reading our catalog you will discover it has features never before applied to an incubator. It is fireproof, has a sliding lamp that holds oil enough to run ten or twelve days, and it is a perfectly sanitary machine, as the top raises and all of the insides can be taken out and cleaned. Every piece of lumber in it is kiln dried. Ask your dealer for a SAFETY HATCH catalog or write us.

ONE MINUTE WASHER CO.,
EL RENO, OKLAHOMA.

MAY MONEY BULLETIN
Get Quick With "Hatching Facts" FREE

Send postal. Tells how to start right away—make most money with my 4-time world's championship winning Belle City at least expense. If in a hurry order direct from this ad. "Jim Rohan," Pres., Belle City Incubator Co.

7.55 Buys Best 140-Egg Incubator

Double cases all over best copper tank; nursery, self-regulating. Best 140-chick hot-water brooder. \$4.25. Both ordered together, \$11.50. Freight prepaid (E. of Rockies). No machines at any price are better. Satisfaction guaranteed. Write for book today or send price now and save time.

Belle City Incubator Company, Box 21 Racine, Wisconsin

Strickler's Topeka Business College

Good positions every day in Bookkeeping, Shorthand, Civil Service, Penmanship. Catalogue and other information free. 111, 113, 115, 117 East Eighth St., Topeka, Kan.

Koons' Galvanized Steel Stackers, Rakes and Sheds Make Good Hay.

LET ME SHOW YOU.

Wesley Koons, Dept. A, Salina, Kansas

Be a Telegraph Operator

Study at home—earn \$75 to \$250 per month. Positions all over the world. Women operators in demand.

Write for free pamphlet

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Finest Curtains ever offered; large, full-sized, beautiful Nottingham Lace Curtains, 2 1/2 yards long, with elegant patterns, handsome wide borders and firm well finished edge. All I ask of you is to send your name and address at once. I then send all charges paid, six packages of beautiful, highly colored, silk and gold embossed Post Cards all different, to distribute by my special plan at 25c each. When post cards are distributed send me the \$1.50 collected and I will send you at once these handsome curtains without one cent of cost. Don't delay. Address: CURTAIN CLUB, Dept. 24, Household Bldg., TOPEKA, KANSAS



FOSTER'S FORECASTS

A MID-MAY STORM PERIOD.
(Copyrighted 1910 by W. T. Foster.)

To Farmers Mail and Breeze:
Washington, D. C., May 4.—My last bulletin gave forecasts of disturbances to cross the continent May 3 to 7 and 8 to 12, warm waves May 2 to 6 and 7 to 11, cool waves May 5 to 9 and 10 to 14. The period of about 10 days covered by these disturbances was expected to average unusually warm and dry with showers only in a few localities and to be followed by a cool wave May 10 to 15 that will carry the frost line further south than usual.

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

Severe storms, cooler than usual and not much rain are the principal weather features expected to accompany this disturbance. Showers are expected preceding the warm wave in sections where I have predicted rains for May.

The remainder of May is expected to average cooler than usual with an increase of rainfall during the last week.

Dates of Big Fairs and Shows

This year's big fair season in the Middle West will open the last week of August and continue well on into October. The dates are arranged and assigned by the American Association of Fairs and Expositions. The opening dates follow:

- Iowa State Fair, Des Moines, Aug. 26.
- Nebraska State Fair, Lincoln, Sept. 2.
- Kansas State Fair, Topeka, Sept. 2.
- Kansas State Fair, Hutchinson, Sept. 16.
- Interstate Fair, Sioux City, Ia., Sept. 16.
- Interstate Show, St. Joseph, Mo., Sept. 22.
- Oklahoma State Fair, Oklahoma City, Sept. 22.
- American Royal, Kansas City, Oct. 7.
- Muskogee Fair, Muskogee, Okla., Oct. 7.

Rotation "Gets" Root Worms

A continuous crop of corn on the same ground will soon increase the number of root worms and decrease the yield. Rotation of crops is the most effective preventive of root worms. The beetles of the root worms usually deposit their eggs in the old infested fields. By changing the corn from such a field to another which was not in corn the preceding year these eggs are left behind and are harmless to other crops.

LATEST KANSAS MAP FREE

You can get one by writing the Farmers Mail and Breeze.

For the purpose of quickly securing new and renewal subscriptions to the great Kansas weekly, the Farmers Mail and Breeze, that paper has made arrangements to give away 5,000 of the latest official wall maps of Kansas and United States with the 1910 census complete.

This home, or office, library wall map is now the latest and best map of Kansas and United States to be had at any price. It is 28x36 inches in size, splendidly colored with beautiful half tones on the heaviest enamel paper. It shows the newest railroads and every postoffice and contains a complete index of the population of every city or town in the State.

There are, in addition, many other new and valuable features included in this chart. All of them copyrighted and controlled exclusively by Arthur Capper.

We are making a special offer on this wonderful wall map as follows: Send \$1.00 for one year's subscription, new or renewal, to the Farmers Mail and Breeze and one of the valuable 1910 census wall maps is yours. Or if you are already a paid in advance subscriber to the Farmers Mail and Breeze, secure the subscription of a friend who is not now receiving the paper and send it to us with fifteen cents extra to pay cost of mailing, and we will send two wall maps; one to your friend and also one to you for securing the subscription. Address at once, Map Dept., Farmers Mail and Breeze, Topeka, Kansas

Before You Milk Your Cows Again Write for the GREAT WESTERN FREE SEPARATOR Book Sent



Our free book is a gold mine of cream and butter-profit facts. It tells you how to get all the cream, highest quality cream, with least work and biggest profits for the longest term of years. It shows you in plain figures how to make from \$5.00 to \$15.00 more from every cow, per year, whether you now own a cream separator or not. Don't you want this great book, FREE? Get all the

Facts You Want to Know About Separators

Read about the Great Western. Note that the bowl delivers cream from the top and skim-milk from the bottom, so there's no chance of their mixing. It is self-draining and self-flushing; there are no long tubes, no minute slots, corners, crevices, or ragged edges to hold milk and collect dirt. The Great Western is ball-bearing throughout. Perfectly uniform balls, 50 to 100% harder than regular. Ball races tempered so file cannot touch them. We will arrange for you to get a Great Western on any kind of a trial to prove our claims are not strong enough.

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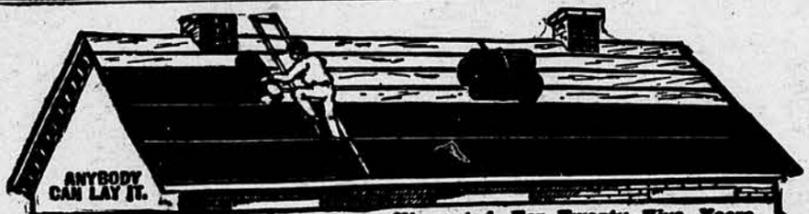
Stannard's Processed Crude Oil Kills Lice and Cures Mange.

One application of my Processed Crude Oil will do more to rid your stock of lice and cure them of mange than three applications of any other preparation on the market, for the reason that it kills the nits as well as the lice, and remains on your stock for so long that it thoroughly cures them of mange. Put up only in 52 gallon barrels, and sold for \$5.00 per barrel. Why pay \$1.00 per gallon for a dip when you can get the best for less than 10c per gallon? My PURE CRUDE OIL is an excellent lubricant for all kinds of farm machinery and for painting farm tools to keep rust off. \$3.50 per barrel of fifty-two gallons. See my advertisement of refined oils at wholesale prices in next week's issue. Send cash with order. Address **C. A. Stannard, Box M, Emporia, Kan.**

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To advertise our watches, make my friends and introduce our great catalogue of High Watches we will send this elegant watch to any address by mail post paid for ONLY 98 CENTS. Regular gentlemen's watch, open face, full decorative plated plain polished case, Arabic dial, lever movement, steel band and stem set, a perfect timekeeper and fully guaranteed for 5 years. Send this ad. to us with your name & address in full, and watch will be sent by return mail and stem set, a perfect timekeeper and fully guaranteed for 5 years. Address **R. E. CHALMERS & CO., 538 So. Dearborn St., CHICAGO.**



Rubber Roofing

Warranted For Twenty-Five Years.

- ONE-PLY ... Weighs 25 lbs., 100 Square Feet, \$1.10 per roll.
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- THREE-PLY ... Weighs 55 lbs., 100 Square Feet, \$1.50 per roll.

TERMS CASH; We save you the wholesalers' and retailers' profit. These special prices only hold good for immediate shipment.

Indestructible by Heat, Cold, Sun or Rain.

Write for FREE SAMPLES or order direct from this advertisement. Satisfaction guaranteed or money refunded. We refer you to Southern Illinois National Bank. **CENTURY MANUFACTURING COMPANY, Dept. 420, East St. Louis, Ill.**

Big Campaign Offer

Kansas Weekly Capital From Now Until November 15th For

Only 10c

I want 10,000 new subscriptions to the Kansas Weekly Capital in the next 20 days—and this unprecedented offer will surely bring them. Cut out the Coupon printed below—sign your name and address and return to me at once with 10c and I will enter your name for a paid-up subscription to the Weekly Capital until November 15. If you want the "meat" of all political news from now until the November elections have been closed you can't afford to miss this great 10-cent offer.

This is a special 20-day proposition and if you wish to have your subscription entered before this offer is withdrawn you should cut out the Coupon below and mail at once.

ARTHUR CAPPER, Publisher.

ARTHUR CAPPER, Publisher Kansas Weekly Capital, Topeka, Kan.

Dear Sir:—Enclosed find 10 cents, for which send the Kansas Weekly Capital until November 15, 1912, according to your special campaign offer, to the following address. This is a new subscription:

Name.....
Postoffice.....
R. F. D. or Street or Box No.....
County..... State.....
Date.....

Clean, plump, selected seed, true to variety, not mixed, free from weed seed and from disease and with strong germinating power should always be planted by the farmer as a means of increasing his own yield.



Poultry Keeping

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

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

Feed young chicks sparingly but often.

Parched meal is good for chicks to pick, when 2 or 3 days old.

Chopped up onion tops make good chick medicine at this time of year.

Chicks on a hard board floor soon develop leg troubles. Sprinkle fine earth or sand over it.

Feeding chicks when too young and too much at a time are fruitful sources of bowel trouble.

Dust the hen with insect powder before setting, and twice more while hatching, then chicks will not be full of lice to begin with.

For the benefit of the egg-sucking dog try soaking some eggs in a solution of lye strong enough so grains will form on the shell. Then leave them in Fido's way.

There is not much advantage in getting turkeys hatched out early. If they come off the first part of June they will be "ripe" by Thanksgiving time and won't need as much feed.

One roup remedy recommended by many poultry keepers is carbolized vaseline rubbed about the affected parts of the head. Also work a little of it down the throat but do not have it too strong with acid.

Keep Chicks Growing Always.

[Prize Letter.]

Mr. Editor—I have a cave specially made for my incubators and have no trouble keeping an even temperature in them. As soon as the chicks hatch I put them in a basket, not crowded, and cover them up warm for a day or two. I then let them out to exercise in a box where there is sand and gravel and for two weeks am very careful with them in order that they may get a good start. Chicks that are chilled or have their growth checked in some way will never do so well again. I try to keep them growing right from the start.

W. H. Davis.

R. 1, Nickerson, Kan.

Using a Homemade Brooder.

[Prize Letter.]

Mr. Editor—I make my own brooders of pine boards, 5 feet long and 2 feet wide, which will hold 100 chicks. On the cover I nail strips of old quilts or blankets 3 inches apart so they will hang down on the chicks' backs. At the lower end I split these strips up fine with a pair of scissors which makes a cosy huddle for the chicks. Ventilation is provided by cutting the cover short 2 inches at each end and also by boring several holes into the cover. I put straw into the bottom of this brooder and change it every day. I have a separate box in which to feed them. Their grain is put into a litter of straw where they must work for it. At 10 weeks my chickens usually weigh 3 pounds and I rarely lose one. It is important that all feed be given dry until 2 weeks old.

Mrs. M. L. Mathews.

R. 6, Sedalia, Mo.

The Poultrymen's Opportunity Here

Those who are in close touch with poultry conditions are forecasting a year of the highest prices paid for poultry products in 20 years. They base their predictions on conditions brought about by the severe winter and an unfavorable spring for chick raising. The egg supply ran short last winter and storage houses are empty. Even now eggs are bringing from 5 to 8 cents more per dozen than they did a year ago because of the shortage and also the

unusually high prices of all meat. Beef, pork, and mutton are all up and still going higher, with scant supplies in sight for another year. The poultryman's chance has come and those who appreciate the situation are keeping their incubators busy. For the poultry raiser not so equipped it looks as if this were the "psychological moment" to buy a reliable machine and get into the game.

Hatching Contest Ends May 30

THEN SEND REPORTS.

Our incubator, or fifth annual hatching contest, closes May 30, 1912. With your report enclose the manufacturer's bill or your dealer's acknowledgement showing your incubator was bought this year (1912) from a Farmers Mail and Breeze advertiser. Report your two best hatches in the following form. Report of second hatch is for use in case of a tie for the prizes:

(First Hatch.)

Number of eggs set.....	100
Date set.....	March 25
Number of eggs tested out.....	none
Date tested.....	March 31
Total number of live chicks hatched.....	95
Date hatch was taken off.....	all April 16
Per cent.....	

(Second Hatch.)

Number of eggs set.....	105
Date set.....	April 17
Number of eggs tested out.....	2
Date tested.....	April 24
Total number live chicks hatched.....	87
Date hatch was taken off.....	May 6
Per cent.....	

The figures and dates used in the form report above are simply to illustrate how hatches are to be reported. Prize winners will be sworn to their reports after contest has been judged.

Address reports to Poultry Editor, Farmers Mail and Breeze, Topeka, Kan., as soon as possible after May 30.

BIG CAMPAIGN OFFER!

Weekly Capital From Now Until November 15 for Only Ten Cents.

If you will cut out this notice and return to us in 20 days with 10 cents we will enter your name for a paid-up subscription to the Kansas Weekly Capital from now until November 15.

We are printing in the Weekly Capital the most important campaign news—in addition to the many other special articles and departments which have made the Capital the greatest weekly newspaper in Kansas.

Get all these good things at the lowest subscription price ever quoted—10 cents from now until November 15. Cut out and mail this notice to Weekly Capital, Dept. C. O.-10, Topeka, Kan.

Save Your Incubator

Chicks

DON'T let bowel trouble or white diarrhoea kill off your incubator chicks. Don't let the little fellows die merely for want of proper treatment. You can save them—raise strong, healthy chicks by using

Walko Roup and Cholera Remedy



It prevents and cures bowel trouble or white diarrhoea. Makes incubator chicks strong and vigorous, develop quicker, feather earlier. We guarantee it. Don't wait till your chicks are dying, order a box now, today. Give it to them right from the start as a preventive and tonic. One chick saved will pay for a box—one box will save hundreds of chicks. Delay means dollars.

PROOF

"Makes me think I have found a gold mine."—Mrs. Chris Wolf, Exira, Iowa.

"Raised more chicks to maturity than ever before."—Mrs. Frank Haasis, Ontario, Cal.

"Nothing like your remedy for incubator chicks. Simply magical."—Wyandotte Ranch, Kiesling, Wash.

"I have raised 300 White Wyandotte chickens, have not lost one or had one sick since I received your medicine."—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

"I consider that your Walko Roup and Cholera Remedy made me several hundred dollars last year. I used it constantly from time chicks were hatched and have never grown a finer flock of fowls."—Mr. J. C. Clipp, Sattilo, Ind.

"I tried your Walko Roup and Cholera Remedy on 350 chicks and they grew very strong, being nearly full feathered at four weeks. I never lost one from bowel trouble."—Mrs. A. D. Wells, Bolivar, Mo.

Only 50c for Large Package

Don't hesitate. This paper accepts only reliable advertisements—you run no risk. Send 50c M. O. for a package, postpaid. If you don't find it the greatest little chick saver you ever used, your money back. Free booklet, "Poultry Troubles." Address

WALKER REMEDY CO.,

7 Main St., Lamoni, Iowa

Otto Weiss Chick Feed

A complete balanced ration. It develops bone, flesh and feathers, saves your chicks and they make a rapid growth. Send for circular and prices on Poultry Supplies.

Otto Weiss Alfalfa Stock Food Co.
Desk A, Wichita, Kansas



How to Entertain Book with 250 Jokes and Riddles, 73 Toasts, 67 Parlor Tricks, 5 Fortune-telling Secrets, 52 Money-Making Secrets, 23 Funny Readings. All 10c Postpaid. J. C. Dorn, 709 So. Dearborn St., Dept. 67, Chicago, Ill.

Save Your Chicks

We can help you. Send names and addresses of 10 Poultry friends and receive our 32-page book on "WHITE DIARRHOEA, the Greatest Foe to Chick Life." This book makes Poultry Profits possible. Gives care and feeding of chicks; also gives cause and guarantee cure for bowel trouble. Above book and sample of F. K. Tablets FREE, postpaid, for the names. Write today. The value will surprise you.

F. K. REMEDY CO.,
733 Second St., Arkansas City, Kan.

LEARN to make Mirrors; big money at home. Partic. for stamp. S. A. MacDonald, Peru, Ind.
Trial trip until January 1, 1913, for 25 cents. Mail and Breeze, Topeka, Kan.

There's Money in Chicks That are Healthily Fed

Most of the big poultry men of to-day started in a small way, but they started right by mastering the health question. Thousands have proved the sound principle of "the Dr. Hess Idea" of feeding which has for its basis the decreasing

of the wasted ration, and the increased consumption of food brought about by strong digestion. By strengthening the fowl's digestion less feed is wasted and more is converted into flesh, blood, feathers and eggs.

Dr. Hess Poultry Pan-a-ce-a

added to the daily mash helps chickens to extract more nutrition from the ration. With this extra nutrition they are strong enough to ward off cholera, gapes, roup, leg weakness and other poultry ailments. On the same principle of increased digestion, Dr. Hess Poultry PAN-A-CE-A makes hens lay more eggs—fattens poultry for market rapidly and keeps fowl in robust health.

1 1/2 lbs. 25c, mail or express 40c; 5 lbs. 60c; 12 lbs. \$1.25; 25 lb. pail \$2.50. Except in Canada and extreme West

Send 2c for Dr. Hess 48 page Poultry Book free.

DR. HESS & CLARK
Ashland, Ohio

DR. HESS STOCK TONIC

Helps hogs digest more food—makes them fatten quicker. Keeps the stomach and intestines clean—remember that, because worms and cholera germs start trouble this time of the year, and only strong, clean, healthy hogs can ward off disease. Only healthy hogs pay Dr. Hess Stock Tonic keeps hogs healthy, by strengthening the digestion and cleansing the functional organs. 100 lbs. \$5.00; 25 lb pail \$1.60. Except in Canada and extreme West and South. Smaller quantities at a slight advance. Send 2c. for Dr. Hess Stock Book, free. Guaranteed just like DR. HESS PAN-A-CE-A.

Free from the 1st to the 10th of each month—DR. HESS (M. D., D. V. S.) will prescribe for your ailing animals, 96 page Veterinary Book Free for the asking. Mention this paper and enclose 2c stamp.

INSTANT LOUSE KILLER KILLS LICE

Reliable Poultry Breeders

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

TOULOUSE GEESE.
EGGS from prize winning mammoth Toulouse geese \$1.00 per setting. S. H. Lenhart, Abilene, Kan.

CORNISH.
CORNISH eggs, 15 \$1.00 and \$2.00. Baby chicks 25c. D. F. Neher, McCune, Kan.

BANTAMS.
BLACK SPANISH, also Black Tailed Japanese Bantams. Best blood in America. Eggs and baby chicks. (Free circulars). Chestnut & Sons, Centralia, Kan.

COCHINS.
BUFF COCHIN eggs from best pen, \$3.00 per 15; 2nd pen, \$2.00. Housel, Smith Center, Kan.

BUFF COCHINS—I have the best in the West, if not in the whole country. Eggs \$5.00 per sitting, from four grand pens. I have no scrubs. J. C. Baughman, Topeka, Kan.

ANCONAS.
ANCONAS exclusively. 15 eggs \$1.00. 100 \$6.00. Lucie House, Haven, Kan.

MOTTLED ANCONAS—Fine layers; eggs, \$1.50 per 15. Carl Sandfort, Humboldt, Neb.

PRIZE WINNING MOTTLED ANCONAS. Eggs and baby chicks. Circular free. W. Hardman, Frankfort, Kan.

BRAHMAS.
EGGS from pens of show quality stock. Mrs. F. O'Daniel, Westmoreland, Kan.

LIGHT BRAHMA cockerels \$2. Choice setting eggs. Adda Prickett, Wamego, Kan.

LIGHT BRAHMAS. White and Silver Laced Wyandottes, Barred Rocks; eggs 15 \$1.00. Indian Runner ducks, eggs 13 \$1.00. Fred Pfeeger, Kappa, Ill.

6 LIGHT BRAHMA hens at \$2 each. These are not \$10 or \$15 show birds but they are worth \$2 and more. All or any number of them at this price. Scott Howard, 221 Clay St., Topeka, Kan.

TURKEYS.
COLUMBIAN WYANDOTTES—Mating list free. G. D. Willems, Inman, Kan.

WHITE HOLLAND turkey eggs, \$2.00 for 11. Mrs. Grace Dick, Harlan, Kan.

MAMMOTH BRONZE eggs 25 cts each. Mrs. C. M. Thompson, Cimarron, Kan.

SILVER LACED WYANDOTTE eggs, 15 \$1.00, 100 \$5.00. Mrs. Janie Hunt, Lebo, Kan.

WHITE HOLLAND turkey eggs for sale. 20 cts. apiece. Frank Darst, R. No. 3, Fredonia, Kan.

FOR SALE—Bourbon Red turkeys' eggs, 9 for \$2.50. Mrs. J. E. Bundy, Goodrich, Kan.

M. B. TURKEY eggs, from standard bred birds. 25 cents each. Mrs. H. E. Bachelier, Fredonia, Kan.

EGGS from prize winning mammoth White Holland turkeys \$2.50 per setting. S. H. Lenhart, Abilene, Kan.

PRIZE WINNERS—Bourbon Red turkey eggs \$3.00 10. Partridge Rocks, \$3.00 15. Jesse Alexander, Altoona, Ia.

BOURBON RED turkey eggs from large well colored stock, 11 eggs for \$3.00. Mrs. C. B. Palmer, Uniontown, Kan.

M. B. TURKEYS, extra large. Tom scores 96½, hens 94 to 95. Eggs half price after May 1st. Mrs. Lloyd Clark, Hazelton, Kan.

BOURBON RED turkey eggs. 2 yr. old breeding stock. Choice in size, color and markings. \$3.00 per 11. Stover and Myers, Fredonia, Kan.

WHITE HOLLAND turkey eggs for sale. From choice strain \$2.00 per setting of 11 eggs. Also a choice young tom for \$4.00. Mrs. H. F. Elder, Morrowville, Kan., Rt. No. 1.

MAMMOTH BRONZE turkeys. No better blood in America. Have won more prizes wherever shown than all others combined. A few cks. for sale. Egg orders booked now. G. W. Perkins, Newton, Kan.

WYANDOTTES.
GOLDEN WYANDOTTE chickens and eggs. Fine ones. Write. Dr. Hoover, Severy, Kan.

SILVER LACED WYANDOTTE eggs. 15 75c. 100 \$3.50. Mrs. Emma Downs, Lyndon, Kan.

WHITE WYANDOTTES exclusively. Eggs 30 \$1.50; 100 \$4.00. Mrs. Will Beightel, Holton, Kan.

Reliable Poultry Breeders

WYANDOTTES.
WHITE WYANDOTTE baby chick 15c. Good. Mrs. F. J. Myers, Erie, Kan.

WHITE WYANDOTTES. Eggs, 15 \$1.00, 100 \$4.00. A. W. Hargreaves, Abilene, Kan.

GOLDEN WYANDOTTES exclusively. Eggs 30 \$1.50, 100 \$3.50. Mrs. John Jevons, Wakefield, Kan.

SILVER LACED WYANDOTTES, eggs from special matings \$1.00 per 15. W. A. Hunter, Manhattan, Kan.

WHITE WYANDOTTE baby chick 12c each. Incubator eggs, 100 \$4.00. Mrs. M. E. Johnson, Humboldt, Kan., R. 2.

PARTRIDGE WYANDOTTE eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. Mrs. L. M. Ayers, Centralia, Kan.

WHITE WYANDOTTES—Best laying and exhibition strain. \$1.00 per 15, \$4.00 per 100. Willis L. Pearce, Manhattan, Kan.

"PIX" BUFF WYANDOTTES—Eggs and chick from prize winners. Write for mating list. Geo. B. Pickering, Olathe, Kan.

SILVER LACED WYANDOTTES. Thoroughbred range stock. Eggs 15 \$1.00, 45 \$2.50. Geo. Beckmann, Fairview, Kan.

GOLDEN WYANDOTTES—Twenty years. Best and most beautiful. Stock and eggs. Write Jay R. Douglas, Mound City, Kan.

SILVER WYANDOTTES—Quality kind. Eggs \$1 and \$2 15; \$5 100. Baby chicks reasonable. Julia Haynes, Baileyville, Kan.

WHITE WYANDOTTE eggs, four dollars for 100. Seven dollars for 200. Special price on 1,000 lots. Mrs. H. G. Stewart, Route, Tampa, Kan.

SILVER LACED WYANDOTTES—Farm raised, big boned, well bred birds. Eggs, 15 75c. 100 \$4.00. Mrs. Earl Ballard, Hanover, Kan., No. 3.

PRIZE WINNING WHITE WYANDOTTE Eggs—Pens \$1.50 and \$2.00 per 15. Range \$4.00 per 100.—Mrs. M. F. Austin, Miltonvale, Kan.

WHITE WYANDOTTES—Something fine. Eggs from high scoring, prize winning stock \$1.25 setting, \$5.00 hundred. I. B. Pixley, Wamego, Kan.

EIGHT YEARS breeding and perfecting. Blue Ribbon White Wyandottes. Bred to win. Bred to lay. Eggs \$1.50 per 15. J. W. Gray, Chanute, Kan.

WHITE WYANDOTTE eggs. Prize winning strain. Premiums at Winfield's Poultry show. 32 \$1.50, 100 \$4.00. Mrs. J. M. Bullock, Winfield, Kan.

WHITE WYANDOTTE eggs 15 \$1.00 or 100 \$4.00. Day old chicks 12½ cts. each. From Rose Combed heavy layers. J. W. Rider, Henrietta, Mo.

GOLDEN WYANDOTTES exclusively. Eggs 15 \$1.00, 50 \$2.00, 100 \$4.00. Pen is headed by cock scoring 94. Della B. Bilson, Eureka, Kan., Box 247.

INDIAN RUNNER duck and White Wyandotte eggs from high scoring prize winning stock. \$1 for 15, \$2.50 for 50. Mrs. Ira Abbey, Pleasanton, Kan.

SILVER LACED WYANDOTTES—Beauty and utility bred. Best winter layers. Eggs \$1.50 per 15 from winners at Missouri State shows. Austin Crenshaw, Fulton, Mo.

SILVER WYANDOTTES that are winning in all the big shows. Bred for eggs and the show room. Stock for sale and eggs in season. M. E. Caldwell, Broughton, Kan.

SILVER WYANDOTTES—Eggs, 15 \$1.00, 100 \$5.00. Guarantee 60% hatch or duplicate order at half price. Order direct or write for circular. Mrs. H. A. Dressler, Lebo, Kan.

PARTRIDGE WYANDOTTES with a national reputation. A dandy flock in a large orchard. 15 eggs \$1.50; 30 for \$2.50. Write for mating list of my prize winners. Page, The Chicken Man, Salina, Kan.

BUFF WYANDOTTES—Eggs and baby chicks from the finest lot of breeding stock we have ever mated. Mating list furnished on application. Baby chicks, \$3.00 a doz., eggs, \$2.50 per 15. Two sittings \$4.00. Prices cut in half after April 20. Wheeler and Wylie, Manhattan, Kan.

LEGHORNS.
FINE S. C. W. LEGHORN eggs, \$4 100. Geo. Patterson, Melvern, Kan.

SINGLE COMB WHITE LEGHORN eggs. Royal Yeoman, Lawrence, Kan.

THOROUGHbred S. C. W. L. eggs \$1.25 per 15. Sarah Rollins, Gretna, Kan.

HART'S Single Comb Buff Leghorns give satisfaction. W. D. Hart, Ashland, Mo.

S. C. W. LEGHORN eggs 75c for 15, \$4.00 per 100. J. A. Blunn, Sta. A, Wichita, Kan.

PURE Brown Rose Comb Leghorns. Eggs 3½ cents each. Laura A. Hazen, Hollis, Kan.

BROWN LEGHORNS, both combs. Won again. Eggs. Mrs. Ida Standifer, Reading, Kan.

PURE RANGE S. C. W. LEGHORNS—15 eggs 75c, 100 \$4.00. R. Harrison, Jewell, Kan.

Reliable Poultry Breeders

LEGHORNS.
SINGLE COMB BUFF LEGHORNS—Baby chicks, pen eggs and range eggs. Mrs. John Wood, Solomon, Kan.

SINGLE COMB BROWN LEGHORNS—Pullet line only. Eggs \$1 15, \$5 100. Tiff Moore, Osage City, Kan.

S. C. W. LEGHORNS—Free range, great layers. Eggs, 100 \$3.00, 15 75c. C. B. Willson, Burlingame, Kan.

PURE BRED Single Comb Brown Leghorn eggs, fine quality, bred to lay, \$6.00 100. John Noble, Riley, Kan.

S. C. WHITE LEGHORN eggs for hatching. All correspondence promptly answered. L. M. Shives, Iuka, Kan.

ROSE COMB BROWN LEGHORN eggs exclusively, 5c each, \$4.00 per hundred. Tillie Wilkins, Miltonvale, Kan.

DORR'S prize winning pure Single Comb Brown Leghorns. Eggs \$3.50 per 102; \$2 \$1.25. Chas. Dorr & Sons, Osage City, Kan.

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

SINGLE COMB BROWN LEGHORNS—Bred from best laying strains. Eggs at farmer's prices. J. F. Crandall, Barnes, Kan.

SINGLE COMB WHITE LEGHORNS, scoring to 95. 15 eggs \$1.00, 100 \$4.00. Baby chicks 12½c. D. M. Drake, Nickerson, Kan.

SINGLE COMB BROWN LEGHORNS—Excellent layers, large white fertile eggs. 100 \$3.00, 50 \$2.00. Mrs. Kenyon, Tyrone, Okla.

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EGGS from my choice flock of Rose Comb White Leghorn hens \$4.50 hundred, \$1.75 per thirty, \$1.00 per fifteen. Mrs. Charles Dibben, Wakefield, Kan.

S. C. W. LEGHORNS direct. Young's strain. Eggs 16 \$1.50, 50 \$4.00. Neosho Valley Poultry Farm, Lloyd Kelley, proprietor, Dunlap, Kan.

I GUARANTEE safe arrival of eggs from pure Single Comb White Leghorns. 17 \$1.00, 100 \$4.00. None better. Catalogue free. C. O. Kelley, Mena, Ark.

CORRECTLY COLORED S. C. Buff Leghorns and Mammoth Pekin ducks. Layers. Eggs, \$1 per 15, \$4 per 100. A. Hollister, Winfield, Kan., Route 1.

EGGS from standard bred heavy laying Single Comb White Leghorns. Two dollars per fifteen. Three fifty per thirty. Order now. Freeman & Post, Colony, Kan.

S. C. BUFF LEGHORNS—I have 100 selected hens mated with \$5.00 cocks. Farm raised. Eggs \$1.00 per 15, \$3.00 per 50, \$5.00 per 100. O. L. Hamby, Fair Play, Mo.

MY STANDARD BRED S. C. Buff Leghorns won at Newton 1st cock, 1st and 2d cockerel, 1st, 2d and 3d hen, 1st, 2d, 3d and 4th pullet, 1st pen. Stock for sale—cockerels \$1 and up. Eggs \$2.50 for 15; \$5 for \$100. S. Perkins, 801 E. First street, Newton, Kan.

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SINGLE COMB REDS—100 eggs \$3.50. Gertrude Haynes, Meriden, Kan.

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SINGLE COMB RED eggs. Pens scored by Emery. Mrs. E. B. Holmes, Hennessey, Okla.

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Reliable Poultry Breeders

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SIX YEARS a breeder of the R. C. Red. 85 cents 15 eggs, \$4.00 per hundred. Frank G. Stettinich, Bremen, Kan.

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STANDARD BRED R. C. Reds exclusively. High scoring birds. Great laying strain. Eggs \$1.50 for fifteen. Mrs. I. L. Lafferty, Fredonia, Kan.

CHOICE Rose Comb Rhode Island Reds, fine shape, splendid color and size, good layers. Eggs for sale \$1.00 for fifteen. Miss Jessie B. Starr, Vinita, Okla.

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SINGLE COMB RHODE ISLAND REDS. Descendants of state winners. Very heavy layers. 15 eggs \$1.00, 50 \$3.00, 100 \$5.00. J. W. Drake, Nickerson, Kan.

THOROUGHbred R. C. R. I. Red eggs from range flock \$1.00 per 15, \$5.00 per 100. From high scoring pen \$1.50 per 15. Mrs. Riley Ingraham, Manhattan, Kan.

ROSE COMB RHODE ISLAND REDS—2 pens; \$1.50, \$2.50 15 eggs. S. C. Buff Orpingtons. S. C. White Leghorns, \$1.50 15 eggs. Frank Tuttle, R. 2, Chanute, Kan.

BLUE RIBBON R. C. REDS. Red eyes, long back, big bone. Scoring 90 to 94. Eggs \$1.00, \$3.00, \$5.00. Range \$4.00 per 100. Sibley strain. Ruby Morris, Rosalia, Kan.

GET THE BEST—We have the reddest Rose Comb Reds we ever owned; winners of 50 premiums; eggs \$2.00 and \$3.00 per 15, infertiles replaced. Write O. T. Grimes, Hunter, Okla.

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EGGS from prize winning Rose Comb Reds. Yards, \$1.50 per 15; range, \$1 per 15; \$7 and \$5 per 100. Baby chicks 12½c. Satisfaction guaranteed. Mrs. Dan Clinkenbeard, Wetmore, Kan.

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ROSE COMB RHODE ISLAND RED eggs, from pens headed by cock birds costing from \$10.00 to \$25.00. Eggs at sacrifice prices after May 1 \$1.00 per sitting, \$5.00 per hundred. Address Grandview Stock Farm, Americus, Kan.

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 "I dunno how Bill's a-goin' to vote in this election," said the campaign worker. "I've hearn tell he's on the fence."
 "He wuz thar," replied the neighbor; "but one o' the canderdates let fall a dollar on the off side o' the fence and Bill got dizzy an' fell over."
 —Christian Register.

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BUFF ROCK baby chicks and eggs. Mrs. Fred Miller, Wakefield, Kan.

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WHITE ROCKS—State Show winners. Eggs \$2 and \$3 per 15. R. C. Lane, Newton, Kan.

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WHITE ROCKS—Scored to 94 by Stoner. Eggs 15 \$1.00; 100 \$4.00. Mrs. J. W. Hoornbeek, R. 3, Winfield, Kan.

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PURE BUFF ROCK eggs (farm range) for hatching, \$4.50 per 100. Mrs. Perry S. Myers, Fredonia, Kan., Route 3.

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BARRED PLYMOUTH ROCKS exclusively. The kind that will please. Eggs \$1.00 per 15, \$5.00 per 100. A. B. Fowler, Brookville, Kan.

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BARRED ROCK eggs. From prize winning stock. Farm raised. \$1.00 per 15, \$5.00 per 100. Mrs. H. Buchenan, Abilene, Kan.

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INDIAN RUNNER ducks, Barred Plymouth Rocks, Light Brahmas. Eggs from prize winners. Satisfaction guaranteed. Bert White, Burlingame, Kan.

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BARRED ROCKS that have been line bred for 13 years; exhibition stock a specialty; must make room; cockerels \$1.00 to \$10. G. R. Miller, Bowling Green, Mo.

FOR BEAUTY, utility, exhibition Buff Rocks. Exceptional vigor, color and laying qualities. Eggs from pens \$2.50 per 15. Henry D. Smith, Washington, Kan.

BARRED ROCKS—44 premiums, 19 firsts. Winners Topeka, Manhattan, Clay Center. Eggs, 15, \$2.50; 30, \$4.50; 15, \$1.00; 60, \$3.25; 100, \$5.00. Mrs. D. M. Gillespie, Clay Center, Kan.

O'GARA'S BARRED ROCKS—At the great Topeka Show won more prizes than any other exhibitor excepting Grove Hill. State Club cup for best display. Eggs \$2.00 per 15, \$10.00 per 100. 50 high grade pullet bred females for sale, \$2 to \$5. John O'Gara, 210 Washburn Ave., Topeka, Kan.

Reliable Poultry Breeders

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BUFF ROCKS exclusively. Eggs from healthy, vigorous, farm raised stock, \$2 per fifty, \$3.50 per hundred. Pened eggs, \$3 and \$1.50 per setting. Mrs. Homer Davis, Walton, Kan.

BIG BONED deep R. C. Reds. Red to skin. Red eyes. Long black low tail. Scored 90 to 94. Eggs 25 cents; after May 20th 10 cents. Good hatch high scoring stock guaranteed. Highland, Hedrick, Iowa.

EGGS, Barred Plymouth Rocks, 12-pound males, 10-pound females. Free catalogue, showing prize winners. Real photos. Moderate prices. A. D. Murphy, Essex, Ia., vice president State Poultry association.

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SHELLEY BROS.' BARRED ROCKS won 70 premiums—34 firsts, specials and sweepstakes—at Kansas' largest shows. Eggs, \$3.00 for 15; \$5.00 for 30; guaranteed. Circular free. Shelley Bros., Eldorado, Kan.

WHITE (Fisher strain), Barred, and Buff Rocks. Stock scoring to 94 1/2. 15 eggs \$1.50, 45, \$4.00, 100, \$8.00. From first class range stock. 15 eggs \$1.00, 50, \$3.00, 100, \$5.00. J. M. Drake, Nickerson, Kan.

BARRED ROCKS—Over 20 years of exclusive breeding; flock built from the best strains of Neb., Iowa, Illinois and Kansas. For the rest of mating season will sell pen and range mixed at \$7.00 per hundred, \$3.50 for fifty, and \$1.25 per setting of 15. Mrs. James Dilley, Beattie, Kan.

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BUFF ORPINGTON eggs, 15 \$1.00, 100 \$4.00. D. P. Neher, McCune, Kan.

S. C. BUFF ORPINGTON eggs \$1.50 for a setting of 15. C. L. Vastine, Brownell, Kan.

S. C. BUFF ORPINGTON eggs, 15 \$1.00, 100 \$4.00. Mrs. O. R. Gale, Cherryvale, Kan. Rt. 1.

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VERNON'S Kellerstrass White Orpingtons. Stock and baby chicks for sale. Eggs, high class, now reduced. Order at once. I won all best prizes but one at State Show, 1912. J. L. Vernon, 1905 Lorraine Ave., Wichita, Kan.

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S. C. BUFF ORPINGTONS. Eggs from Mo. State, Kan. City, Topeka and Denver winners. \$2.50 and \$5.00 per 15. Write for mating list. W. A. Meldinger, Wathens, Kan.

LISTEN—To make room, sixty large year old laying Buff Orpington hens. Hobbs strain, \$1 each. Cocks \$1 to \$5. Double your money back in eggs by spring. C. Holliday, Woodbine, Kan.

S. C. BUFF ORPINGTON eggs for setting from prize winners. I have 5 mated pens. I will sell a limited number of settings at \$2.00 per 15. Chicks 25c each. Chas. Luengene, Rt. 7, Topeka, Kan.

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BLACK LANGSHAN eggs \$1 per 15; \$5 hundred. J. Stulp, Hartford, Kan.

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LANGSHAN White Langshan eggs; best pen \$2. Frank Daugherty, La Harpe, Kan.

WHITE LANGSHAN baby chicks, pure bred, hen hatched, 12 1/2 cents each. Geo. R. Hobbs, Niles, Kan.

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GOOD Black Langshans. Farm raised. Eggs, 15 \$1.50, 100 \$7.50. Baby chicks 15 cts. each. Mrs. Geo. W. King, Solomon, Kan.

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IMPERIAL BLACK LANGSHANS—Winners at the leading shows. Eggs \$1.75 per 15 from my best matings. Martha Haynes, Grantville, Kan.

HOUDANS, White Wyandottes, Indian Runner ducks. Winners at Eldorado Poultry Show. Eggs 1 to 5 dollars per setting. Mrs. D. T. Smith & Son, Burns, Kan.

BLUE RIBBON Black Langshans. Noble layers and winners. Eggs from pens No. 1 and 2 \$2.00 for 15; No. 3 and 4 \$1.00 15; satisfaction guaranteed. W. L. Bush, Osage City, Kan.

BUFF AND BLACK LANGSHAN pullets, score to 96 1/2; old, finest strains, 96. Egg orders filled promptly at \$1.00 to \$2.00 per setting and \$5.00 per 100. J. A. Lovette, Mullinville, Kan.

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WHITE INDIAN RUNNER ducks, 13 eggs \$4.00. Rhode Island Whites, 15 eggs \$2.00. B. F. Graff, Erie, Kan.

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INDIAN RUNNER eggs \$1.00 per thirteen, \$7.00 per hundred. Orders filled promptly. Pearl Wertzberger, Alma, Kan.

RUNNERS—\$1.00 per 12. Stock direct from first class breeder. A few White Holland turkey eggs 25c each. Grace Garnett, Marion, Mo.

INDIAN RUNNER ducks. American Standard true light fawn and white. Correct in shape, color and markings. Eggs \$1.50 per 15, \$4.00 per 50. Stover & Myers, Fredonia, Kan.

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WHITE MINORCA eggs for hatching; selected stock. Price \$2.00 for 15, \$3.00 for 25. C. C. Davis, Minneapolis, Kan., Box 53.

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EGGS from high scoring stock. Mammoth Bronze turkeys, \$2.00 per 9. Single Comb White Leghorns, \$1.00 per 15. Vera Bailey, Kinsley, Kan.

SQUARE DEAL POULTRY FARM—Single Comb Buff Leghorns. Eggs \$1.50 for 15; incubator lots less. Maxwell & Maxwell, Orlando, Okla., Route 1, Box 45.

EGGS, EGGS, EGGS. From thoroughbred Barred Plymouth Rock and W. F. B. Spanish chickens, \$1.50 per setting. Satisfaction guaranteed. Gus H. Brune, Lawrence, Kan.

THE LAKE SIDE POULTRY FARM—High class exhibition Barred Rocks, White Leghorns, Black Minorcas, Mammoth Pekin and Indian Runner ducks. Write for catalogue. Braunsdorf and Davids, Box 214, Parsons, Kan.

EGGS, EGGS from White Rocks, White Cochins, bantams, White Holland turkeys, Imperial Pekin ducks, Pearl guineas and White Wyandottes on separate farms. Satisfaction guaranteed. Write S. T. Garman, Courtland, Kan.

ROSE COMB REDS, Columbian Wyandottes. Winners and heavy layers. Won again 45 prizes at two shows this winter. Also Golden Seabright Bantams and Indian Runner ducks. Eggs \$1 to \$5 per 15. Mating list free. A. D. Willems, Minneola, Kan.

STANDARD BRED White, Buff, Silver Wyandottes, Barred Rocks, Single Comb White, Brown Leghorns, Reds, Black Langshans, Buff Orpingtons, White Minorcas, Pekin and Indian Runner ducks. \$1.50 single bird; \$4 trio. Toulouse geese, \$2.50 single; \$4.50 pair. Jordan Poultry Yards, Coffeyville, Kan.

EGGS—From turkeys, Toulouse and Embden geese, Rouen, Pekin, Muscovys and Runner ducks, Rhode Island Reds, Leghorns, Houdans, Wyandottes, Hamburgs, Orpingtons, Games, Plymouth Rocks, Langshans, Bantams, guineas. Hen eggs 17 for \$1.00; by the 100 reasonable. Also fancy pigeons, rabbits, dogs. Write for circular. D. L. Bruen, Platte Center, Neb.

MISCELLANEOUS.

SLIGHTLY USED incubators for sale. A Koenig, Hanover, Kan.

NO BETTER BROODER—Cost \$1.00. Plan 50 cts. W. Leghorn eggs. Baby chicks. Box 63, Okla. City, Okla., Route 8.

SINGLE COMB BUFF ORPINGTONS from prize winning strains. Cockerels, hens and pullets for sale. Eggs: \$6 per 100; \$1.50 per setting. TOULOUSE geese. Eggs 25c each; \$2 per setting. Only the best stock sold. MRS. C. L. BRANIC, HIAWATHA, KAN.

MAKE BIG MONEY ON EGGS. Use Blue Seal and secure top market prices. It hermetically seals the pores and will keep good eggs absolutely fresh for 12 months. \$1.00 worth seals 100 dozen eggs. Write today. BLUE SEAL MFG. CO., Kansas City, Mo.

Lindamood's Barred Rocks

For eight consecutive exhibitions our birds won the blue on pens and singles. Pens mated for the season. Eggs from pens \$3 and \$5 per 15. Utility eggs \$4 per 100. Send for circular. C. C. Lindamood, Walton, Kansas.

Bargains in Barred Rocks

Eggs for hatching, from carefully selected, farm raised stock. \$1.50 per 15, \$3 for 50, \$5 per 100. BONNIE VIEW FARM, BERRYTON, KANSAS. Seattle & Cottle, Props. Eight miles southeast of Topeka.

EGGS AND CHICKS.

R. I. Reds, Orpingtons, Wyandottes, Plymouth Rocks, Leghorns, Ducks and Turkeys. Grown on separate farms. Guaranteed, priced right. Printed matter free. WRITE TODAY.

L. M. FISHER, Box 21, Hastings, Neb.

Cook's Barred Rocks

Are the greatest winners and layers in the West, large, healthy, farm raised and vigorous. Owing to the backward unreasonable spring I am going to share with my customers and offer eggs at the very low prices of \$1.25 per 15, \$3 per 50 and \$6 per 100. Better quality at the prices cannot be bought. Order at once.

CHAS. J. COOK, Box B, Marysville, Kansas



The WOMEN

Conducted by



FOLKS

Mabel E. Graves

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

I've had a very exciting time this week. Probably I'm easily excited, but I've been doing something I never did before. I've been out landscape gardening. Two town lots don't offer very great opportunities, not as great as a 160-acre farm, but two lots are something, particularly when you have a chance to begin at the very beginning. And this is how I did it: I began, naturally, with the edge, and put in a row of maples. These lots are on a corner, so there are strictly speaking two rows, one row across the front and another down the side. On the lawn but not too far back from the corner is a silver birch, and near the inside front corner are two hydrangeas. At the back of the lots there is a hedge of flowering shrubs, syringa and japonica, and from the corner a low hedge of spirea extends a little way towards the house. So much for the edges. The rest is fruit. Two pears, two peaches, three cherries, twenty grapes, an early and late variety of each. Of course there is space for a house, and a barn, and a lawn, and garden; and I feel very well satisfied with my two lots.

A Good Soap Recipe.

[Prize Suggestion.]

I make my soap from cracklings, using 4 pounds of grease or cracklings to one can of lye and 2 quarts water. Boil until dissolved, then add 3 gallons water, 1/2 cup ammonia and 2 table-spoons borax. Pour in tub and let stand till cold, then cut in pieces and let dry.
Mrs. G. H. Ruppenthal.
Goltry, Okla.

Buttonholes in Summer Dresses.

[Prize Suggestion.]

To make buttonholes in very fine material, lawn, woolen goods, bias silk, or any cloth that is likely to fray easily, first mark the buttonhole the required size with either a soft pencil or chalk, then stitch around the mark on the sewing machine, work in the usual way and cut out afterward. This plan enables one to make a much neater buttonhole than if the cutting is done before working, and it is easier done.
Mrs. I. M. B.
Xenia, Kan.

This Makes Washing Easier.

[Prize Letter.]

I have found so much help from the home department I want to tell of a washing fluid I learned of a few weeks ago. Take 1 gallon of soft water, 1 can lye, 1/2 pound of borax, 3 table-spoons turpentine, 3 table-spoons benzine or gasoline, 5 table-spoons coal oil. Put in a jug and keep corked; shake, and use 1 pint to a boiler of water. Cut up soap and add to the boiler. Sort clothes as usual. Wet them or not, put in and boil, then rub, put through two clear waters, and blue. When taken from the boiler the clothes will look yellow and as if they were ruined, but when ready for the line they are all right. All my neighbors use this washing fluid and are well pleased. Some of us were afraid at first, but after a few good washers had pronounced it O. K. the rest of us followed.
Mrs. E. W. Ray.
R. 4, Chattanooga, Okla.

Helps in Housecleaning Time.

[Prize Letter.]

When washing lace curtains try this: Shake well, put in a tub of cold water and let soak over night. In the morning rinse and put into a boiler of cold rain water in which a bar of soap has been dissolved. Bring to a boil and let boil about 10 minutes, turning occasionally. Lift out, rinse well, blue and starch. Throw some sheets over the line lengthways and pin curtains on lengthways. When they begin to dry pull out each scallop. They will dry as smooth as if

on a stretcher, will dry quicker, will not tear so easily, and will have the sunshine to bleach them.

When painting the edge of a floor for an art square give the whole floor a coat. It will take but little more paint, and when the rug is taken up it will be easier to mop, and will dry quicker.

Apply turpentine freely to the edges of carpets, upholstering, etc., and moths will not bother them.

A good wall paper paste is made by taking 3 pints flour and 3 pints cold water. When this is well mixed add 7 quarts boiling water and boil about 10 minutes, then add 1 table-spoonful of powdered alum.
Mrs. F. B. Wempe.
R. 5, Frankfort, Kan.

Flowers for Memorial Day.

Plant the seed for Memorial day now, in pasteboard boxes which have been filled with rich soil. You can then take these boxes of bright fresh flowers to the cemetery on Memorial day and imbed them in the earth. As the box decays the flowers will take firm root in the soil and grow all summer.

If the chickens get into your flowers at home plant them in wooden boxes about 3 feet long, 1 foot wide and 1 foot deep and set them on long narrow shelves which have been made just at the lower edge of the window sills.
Mrs. Frank Calvert.
Elmdale, Kan.

Fun Living on the Farm.

The Danes in Lincoln county, Kansas, are showing the Americans how to get together. In the Danish settlement called Denmark, they have spent \$2,000 for a community meeting house. This is the kind of structure preachers and editors and rural uplifters have been suggesting for several years.

This settlement contains about 200 families, or approximately 1,000 persons. Some of the young Danes formed the Danish Social and Benevolent association last fall. The association started with 160 charter members and a subscription list of \$2,000 and the labor free.

The hall is an excellent frame building fitted with an acetylene plant. It has a stage and scenery for five drops. A gallery at the opposite end of the hall was erected principally for use when basket ball and other games were in progress. The hall will seat 400 persons. It has an excellent dancing floor. In the basement is a kitchen and dining room and a heating plant. The Ladies' Aid society of Denmark will furnish what is needed in the kitchen.

Attached to the hall as a part of the membership is a brass band of 25 pieces and an athletic club. Within the first two weeks after the hall was opened the people of that farming community were entertained with a stereopticon lecture, a basket ball game and a dance.

Training Up the Children.

This department is interesting to me. I am especially interested in the helps we get about making better homes and better children. I believe we should raise up a child in the way it should go, and go that way ourselves. I have two little girls 5 and 3 years old. It's no pleasure to see them imitating my mistakes, so I try hard each day to do right in every way. I think many mothers make a mistake by wishing for things they cannot have, thereby causing the children to be dissatisfied and discontented with home. I used a recipe last week that my husband said was worth the price of the paper. I will send a few recipes that have proved helps to me:

When you salt your butter add just a little sugar.

When making doughnuts add 1 cupful of warm potatoes mashed fine. They

will not soak up so much lard and will be light and nice.

When using left-over mashed potatoes add onions cut fine and a table-spoonful of vinegar. Make out in small cakes, using flour to keep from sticking, and fry in hot lard until brown.
Bessie Sheppard.

Holdenville, Okla.

SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated Narcissus Spoons made by the famous Oxford Silver Plate Company. Each spoon is extra heavy, full standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of these handsome spoons absolutely free, postage paid, to all who send just \$1.00 to pay for a year's subscription to my big farm weekly, The Farmers Mail and Breeze. Send your subscription order at once and secure a set of these beautiful and serviceable spoons. State whether you are new or old subscriber. Time will be extended one year if you are already paid in advance. Address Arthur Capper, Publisher Mail and Breeze, Topeka, Kan.

Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.

Wind Mill \$29.70 and Tower

Complete with Anchor Posts
Sold Direct At
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Also Full Line of
Pumps, Windmills, Pipe, Plumb-
ing Goods, Water Works Systems
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IT IS FREE
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Largest and Best in Kan. Catalog free.

LEARN WATCHMAKING

Competent men always in demand. We teach it thoroughly in as many months as it formerly took years. Money earned while studying. Positions secured. Easy terms. Send for catalogue.
ST. LOUIS WATCHMAKING SCHOOL, St. Louis, Mo.

SPALDING'S COMMERCIAL COLLEGE

KANSAS CITY, MO.

16th Year. \$200,000 New College Building. Shorthand, Typewriting, Bookkeeping, Telegraphy and English Branches. Write for Free Catalogue

ORGANS \$20 to \$40—TERMS
Highest grade Estey, Mason & Hamlin, Story & Clark, Chicago Cottage, etc.—slightly used—guaranteed like new—descriptions and prices for the asking.
Jenkins Music Co., Kansas City, Mo.

YES!! → Every Woman Can Accept This Great Offer!

It is the most liberal, most attractive, most astonishing offer ever made. This beautiful Sewing Machine may be yours almost for nothing. Worth \$40—sold to my club members only at half price—no money down—30 days free trial then pay my half price in little 50-cent payments. Warranted 10 years—money back if it doesn't please. Hundreds of letters prove quality. It is THE machine for YOU—at lowest price ever quoted—just half its value. But Listen! Read On!

Will You Send 10 Names of Friends to Get This "Gold Medal" Sewing Machine FREE

Thousands have already written for membership in my great club. I want every locality represented. My wonderful new plan makes it possible for you to get this Machine Absolutely Free by sending me just 10 names of lady friends. No catalogue—free or soliciting for goes to do. This great free machine offer good for short time only. Get my instructions quick! Don't send the 10 names until I ask for them.—but send your name and address for full details now. Don't miss this—it's the best offer ever made. Write to-day—a postal card will do. Address,

CAPPER SEWING MACHINE CLUB,
Dept. 69
Topeka, Kan.

Cleaned without
Scratching or
Discoloring

Old Dutch Cleanser



Sprinkle a very little Old Dutch Cleanser on a damp rag, rub lightly, and wash with clean water. Grease spots and stains disappear like magic. No chemicals to harm the hands.

Many other uses and full directions on large Sifter-Can 10c.

HOME DRESSMAKING

These patterns may be had at 10 cents each from the Pattern Department of Farmers Mail and Breeze, Topeka, Kan. When ordering give number and size.



- 5430—Boys' Blouse, sizes 4, 6, 8, 10 yrs.
- 5435—Ladies' Dress, left-front closing, sizes, 32 to 42 bust.
- 5804—Child's Coat, sizes 2, 4, 6, 8 yrs.
- 5796—Ladies' Skirt, with left-front closing, 5 sizes, 22 to 30 waist.
- 5506—Child's Dress, sizes 6, 8, 10, 12 yrs.
- 5793—Child's Dress, sizes 6, 8, 10, 12 yrs.
- 5781—Misses' Dress, sizes 14, 16, 18 yrs.
- 5779—Ladies' Waist, 6 sizes, 32 to 42 bust.
- 5400—Child's Dress, sizes 4, 6, 8, 10 yrs.
- 5548—Six-Gore Skirt, 5 sizes, 22 to 30 waist.
- 4531—Ladies' Combination, 6 sizes, 32 to 42 bust.
- 5523—House Dress, with left-front closing and seven-gore skirt, 7 sizes, 32 to 44 bust.
- 4636—Boys' Shirtwaist Suit, 5 sizes, 4 to 12 yrs.
- 4949—Child's Dress, 5 sizes, 4 to 12 yrs.
- 4554—Four-Gore Circular Skirt, 6 sizes, 22 to 32 waist.

These Make Good Spring Eating

SIX TIMELY RECIPES.

If you are hungry for greens clean half a peck of dandelion leaves and put over the fire with boiling water to cover. Boil 10 minutes, then drain, add 1/2 pound of bacon and boiling water to cover and boil till meat is tender, about 2 1/2 hours. Let boil nearly dry at the last. Take up, slice the bacon and serve, and you will have a nice dish of greens. Phoebe Journey.

Arapahoe, Neb.

Asparagus on Toast.

Now that the asparagus season is at hand try this: Cut asparagus in short lengths and cook tender. Season with salt, pepper, butter and cream, with a little flour stirred smoothly into the cream. Arrange slices of buttered toast on a platter and pour the creamed asparagus over them. When asparagus is not plentiful a small amount may thus be made to serve several persons. Edith Wright.

Saint John, Kan.

Baked Fish.

After cleaning the fish run a sharp pointed knife to the bone just back of the head, and split the under side to the tail. With the thumb press the flesh away from back bone and remove it, breaking joints at neck and tail. Lay fish open, flesh side up, and dust with salt and pepper. Cover with a thin layer of minced onion and parsley and place a layer of bacon over. Close the fish and fasten with toothpicks, wrapping with thread to hold it together. Slash the skin in three or four places and bake in a hot oven 30 minutes. Mrs. Edith B. Raley.

Hennessey, Okla.

Orange Pudding.

Make a rich biscuit dough and bake in a hot oven in three rounds. Slice three oranges crossways in thin slices and lay thickly on the well buttered rounds. Sprinkle thickly with sugar and desiccated cocoanut and serve with cream or with the following sauce: Orange Sauce—Cream 1 tablespoon butter with 1 cup powdered sugar, then add the juice and rind of 1 orange. This pudding is quickly made and is especially good in the spring when fruit is scarce. Florence A. Richardson.

Perry, Okla.

How to Make Good Buns.

[Prize Recipe.]

Two cups of bread sponge, 1/2 cup sugar, 1/2 cup lard, 1 cup lukewarm water. Mix as you would your light bread, put in a greased gallon crock or jar, cover, and don't touch until it rises to the top. Then mix down and form into little biscuits half the size of a hen's egg. Leave extra room in your pans, for they will be the size of boughten buns when baked. Cover them with a cloth and let rise until evening, then bake. My buns are always ready to mix into the pan at noon. I let them sit until supper time, then I have my oven hot and it takes only a short while. This quantity makes 42 nice buns. Mrs. Martha Sewell.

Netawaka, Kan.

Strawberry Cake.

[Although we poor unfortunates in Kansas are still paying 20 cents a box for our berries our friends farther south are reveling in berries from their own gardens, and this recipe is given for their benefit.—Editor]

Two cups flour, 1 cup milk, 1 cup sugar, 1 egg, 2 teaspoons baking powder, 1/2 teaspoon salt, 1 tablespoon melted butter. Sift the flour, sugar, salt and baking powder into a bowl, add the milk and well-beaten egg, then the melted butter; mix well, and bake in moderate oven, on a large jelly tin, which has been brushed with melted butter, 12 to 15 minutes. Crush 2 cups strawberries with 1 cup sugar, pour over the cake and serve with whipped cream, or slice the berries and sugar 1 hour before serving.

A School Teacher's Problem.

[The editor admits herself unable to answer this question, and passes it on to anyone whom the spirit moves to speak.] I am a young woman, and have been a teacher in the public schools for several years, but of late have thought of changing my vocation. The man I have chosen for a life companion is a few years my senior, a widower with a fam-

ily, and thought to be a very fine man in every respect. But what is bothering me is this: Just lately he has taken out a life insurance policy of \$2,000 for his children. Immediately I begin to wonder why he has done this. Is it distrust in me, and can it be that a man loves but once? I have a dear friend who married under similar circumstances a few years ago. Her husband's children are grown now, and able to support themselves. The wife is a very frail woman with scarcely any health as a result of too heavy burdens, yet no provision has ever been made for her or her little ones. Is it right for her to help keep up this insurance when that same money is so much needed to lighten her heavy burdens? M.

GET READY NOW FOR YOUR ROSE GARDEN!

You'll want a big garden of roses this summer—no home place is quite complete without an ever-blooming garden of this most beautiful and most loved of all flowers.

Thousands of Mail and Breeze readers have already taken advantage of the very unusual Rose offer we are making, and we doubt if the supply of rose bushes we have contracted for will last through the planting season.

Our offer is, that we will send free and postpaid to all who send \$1.00 to pay for a new, renewal or extension one-year subscription to Mail and Breeze, a magnificent collection of six monthly blooming roses as follows:

The Wonderful "Blumenschmidt." This latest and most beautiful variety is alone worth more than the small sum we ask you to send on this special offer. In this newest Rose creation we offer you an improved and glorifying, monthly blooming plant, with flowers of pure citron-yellow, outer edges edged with the slightest tint of rose. A variety of most vigorous growth and winner of many premiums at horticultural shows.

We also include the wonderful new CRIMSON BEDDER; the HELEN GOULD, a magnificent, velvety, pink everblooming; the BETTY, a remarkably fine shade of golden yellow; the MME. JENNY GUILIMOT, finest silvery-carmine rose ever offered; the WHITE MAMAN COCHET, showy white, with rich, full flowers.

In this complete assortment you get six different colors, Red, White, Silvery-Carmine, Golden Yellow, Pink and Crimson. These are all first quality plants, well rooted, strong, carefully packed and guaranteed to reach you in perfect condition at proper time for planting. We guarantee absolute satisfaction or your money will be promptly refunded.

This offer is made solely to further introduce our great farm weekly, and is likely to be withdrawn at any time.

If you have not secured one of these great rose collections on this remarkably liberal offer we suggest that you send your dollar today. Address Mail and Breeze, Rose Dept., 802 Jackson St., Topeka, Kan.



Purify Your Pores with Bubbly JAP ROSE SOAP

in hot weather. It improves your complexion all the year.

With every pore clean and breathing—unhampered in its natural action—the body is kept healthy and the skin perfect.

JAP ROSE lathers instantly and abundantly in hardest hot or cold water. It is made of vegetable oils known for their skin benefits and water softening qualities.

The bubbly lather softens and cleanses the skin, but washes entirely away. Regular baths in it cause a noticeable improvement in the skin's looks and feeling. Try it. Remember it is really quick lathering—hard water soap.

All Dealer's Sell It

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A Large Transparent Cake 10c

Special Trial Offer: Send a 2c stamp and our dealer's name for a Free trial cake of JAP ROSE Soap.

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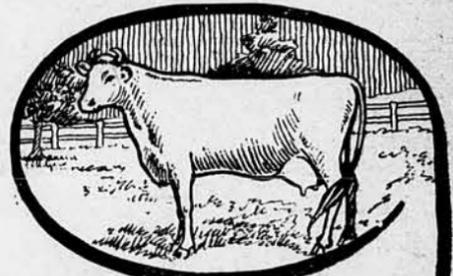


This is the Elburn H-2
The Best Piano Value Ever Known for Only... \$225
\$6 Monthly

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Gentlemen—Enclosed please find money order to finish paying for piano. We are entirely satisfied with piano and with dealings with you. The piano looks and sounds as well as when we bought it and has not been tuned in the meantime. Hoping you continued success in your business. I am, ALONZO FROST.
No. 200 North "D" St., Herrington, Kan.

gratulated us on being able to sell such a piano for so little. Remember we always have on hand many bargains in Used Pianos of famous makes. Write today.

J.W. JENKINS SONS' MUSIC CO., KANSAS CITY, MO.



Any Ordinary Cow Can Earn \$6 a Month, the Amount It Would Take to Buy This Magnificent Piano.

Just think, only one of your cows would furnish the small sum required to buy an Elburn. Practically no sacrifice at all. And the pleasure the piano would bring into your home would be worth twenty times this insignificant sum. Let us send you an Elburn on free trial. You won't need to pay a cent unless you are entirely satisfied with it. If all of your friends don't say it is one of the handsomest pianos they ever saw and is worth every cent we ask you can send it back. We'll stand all of the expense.

We have hundreds of letters like the one quoted in this advertisement. Piano experts all over the country have congratulated us on being able to sell such a piano for so little.

FARMERS CLASSIFIED PAGE.

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

SEEDS AND NURSERIES.

COWPEAS for sale. D. J. Yoder, Haven, Kan.

COWPEAS—New Era. S. Ramsey, Mayfield, Kan.

PURE BRED blackhull Kafir \$1 bushel. Arthur Pistorius, South Haven, Kan.

CHOICE fruit trees, ornamentals, berry plants. Waverly Nurseries, Waverly, Kan.

COWPEAS, speckled crowder, graded, \$2.25 per bu. f. o. b. P. R. Slack, Cleo, Okla.

ALFALFA SEED direct from grower, \$7.00 and \$8.00 per bu. Sacks 25c. G. A. Chapin, Belleville, Kan.

YELLOW JERSEY, Red Bermuda sweet potato plants, \$1.50 per thousand. T. F. Pine, Lawrence, Kan.

BERMUDA ROOTS, stood zero weather. Bran sack \$1.00. Six for \$5.00. F. O. B. Theron Freeman, Helena, Okla.

ALFALFA SEED, \$10.00, freight paid. No weed seed. Write for price on 4 bu. or more. H. Reynolds, Cashon, Okla.

ALFALFA SEED, \$10.50 bushel, guaranteed free of dodger. Freight prepaid. J. H. Glenn, Farmer, McAllister, Kan.

WRITE for prices on high grade western grown nursery stock. Salesmen wanted. Brown's Nurseries, Hutchinson, Kan.

KANSAS SUNFLOWER, Reid's Yellow Dent, Boone County White seed corn. Catalog on request. Fred Sanders, R. 3, Concordia, Kan.

ALFALFA SEED—Offer extra quality alfalfa seed, non-irrigated, \$9.00 bu., delivered any station in state Kan. Sack free. Sample sent on request. L. A. Jordan, Winona, Kan.

WATERMELON SEED—Halbert Honey, 2 1/2 oz. 10 cts., lb. \$1.10. Rubber Rind, 2 1/2 oz. 10 cts., lb. \$2. Guaranteed pure; unwashed; strong germinators; grown by originator. H. A. Halbert, Coleman, Tex.

SEED CORN—Boone County White seed corn grown from thoroughbred corn from K. S. A. C. Also white and yellow corn grown in 1910. Price \$1.75 bushel sacked f. o. b. Ask for samples. J. W. Machin, Wamego, Kan.

FOR SALE—Early Summer Flat Dutch and Jersey Wakefield cabbage plants. Tomatoes, Stone Kansas Standard, Dwarf Chamblon, Ford hook First and Truckers Favorite, not transplanted. Prepaid 40c per 100, not prepaid \$2.00 per 1,000. Peppers 50c per 100. George Odor, Iola, Kan.

PLANTS—Early and late cabbage 25c per 100, \$2.00 per 1,000. Tomatoes, Early Tree, Dwarf Chamblon, Kansas Standard, Stone, Matchless, Beauty 30c per 100, \$2.50 per 1,000. Sweet potatoes, Yellow Jersey and Mansemond, 25c per 100, \$2.00 per 1,000. Red Jersey, Red Bermuda, Southern Queen, Early Golden, 30c per 100, \$2.25 per 1,000. Not prepaid. F. P. Rude, North Topeka, Kan.

FOR SALE.

PRICE your two-row lister on cars—good order. Supt. Haney, Boone, Colo.

FOR SALE—Twenty-five thousand hedge posts. H. W. Porth, Winfield, Kan.

10 H. P. PEERLESS steam traction engine for sale; good shape; half price; \$150. Ben Anderson, Knox City, Mo.

LONG GREEN leaf tobacco to chew or smoke. The kind you've been looking for. 2 ship any quantity 20 cents pound. 100 pound shipments delivered. True Cutler, Holt, Mo.

SYRUP—Pure Louisiana sugar cane syrup. Put up at the mill in sealed cans. Six one gallon cans at \$4.00; 12 half-gallon cans for \$4.25. All delivered. Address Mary & Tuma, Washington, La.

MERCURIAL BAROMETERS, for farmers. Indicating changes of weather, storms and cyclones. Special sale. Reduced price. Agents wanted in every township. Alex. S. Hendry, McPherson, Kan.

FOR EXCHANGE.

FREE BOOK 600 farms and other property for exchange by owners, all parts country. Blackwell Real Estate Co., Blackwell, Okla.

FOR SALE OR EXCHANGE.

DEAL DIRECT by listing with us. List of trades free. Exchange Co., Cassoday, Kan.

FARMS bought, sold and exchanged anywhere. No commission. Farm Bureau, Dept. 9, Jacksonville, Illinois.

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LANDS.

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MARKET PROBABILITIES

Everything in the Cattle Line, Half Way Marketable, Is Being Gathered In and Still Further Advances in Price Are Looked For, Due to the Shortage—Packers Will Fight to Hold Hogs Down to 8 Cents

[Written Specially for the Farmers Mail and Breeze.]

As expected, prices for cattle early last week declined and about midweek prices started up again. Prices are very attractive and shipments have increased moderately, but there is a great lack of desirable killing stuff in the supply. Shippers are running a drag net through the country in order to make up consignments and consequently a very much mixed lot of stuff is coming. Most of these are going to killers, and were conditions otherwise most of them would be returned to the country. The West, Colorado and Nebraska are sending in the final shipments of hay-fed and beet-pulp cattle, and Oklahoma and Texas are cleaning up feed lots preparatory to turning everything that is unshipped on grass. Panhandle and Oklahoma reports indicate excellent grass available, and on not later than May 1, everything will be in the big pastures. This means inexpressible relief for the cowman of the Southwest, as the winter was extremely hard, and the prices for feed were unprecedented. Cattle, of course, are very thin and if the grass continues seasonably good they will be held for weight, making the big movement start the latter part of July. One 15-car load bunch of steers from La Pryor, Tex., straight grassers, were received in Kansas City last week. They averaged about 1,060 pounds and sold at \$6.60. Some weighing less than 900 pounds brought \$5. These two bunches are unusually early, and are not fair samples for either weight or price. While scarcity seems to appear as a strong factor for advancing prices, there are other elements to hold it in check. Eggs are plentiful and selling at reasonable prices. Strawberries are beginning to get plentiful, and green vegetables are in abundance. Increased demand for them curtails demand for beef. The hotel trade, however, will improve as the tourist season is near. However sensitive the trade may be, to all influences, the fact remains that cattle are scarce, and many predict further advances.

Further Sag For Butcher Cattle.

Choice to prime butcher cattle are scarce and selling readily at firm prices. In the general market they figure but little. The bulk of the supply is fair to medium kinds and for them the market is slightly lower. From the extreme high point about 10 days ago prices are off 25 to 40 cents. Veal calves are selling at the low point of the season. The Chicago supply has been unusually heavy, but at river markets they are short of a year ago.

Increasing Feeder Supply.

More thin cattle are coming to market now than for some time past. They are meeting a ready demand, though prices have eased off some from the high level a week ago. Most of the demand is for kinds that can be turned on grass and fed corn later in the season, making them available for September to December delivery. Cattle are moving to Osage and Kansas pastures. Three-year-olds are scarce, and more 2-year-olds are coming than ever before.

Hog Market Advancing Again.

Early last week packers started in determined to get prices safely below the 8-cent level. They succeeded in depressing the market about 25 cents, when a reaction set in and on the upturn prices were carried back to a new high level. Eight cents, though, seems to be the resting point for demand, and hogs will have to become scarcer before packers let them get much above even money. There has been a material advance in prices of provisions and packers are less inclined to diminish their stocks of meat. There is no hope of replenishing their supplies until another corn crop is made. Traders see still higher prices ahead in the hog market. Omaha and Chicago territory are still sending in liberal supplies, but Kansas City and St. Louis are falling behind, and the season of greatest decrease has only started. Quality is very common, though weight is kept up by a liberal supply of heavy stags, sows and rough hogs, a strong indication that final shipments are being made.

Sensational Rise in Sheep.

Prices for lambs last week were advanced \$1.50 to \$1.75 per 100 pounds and sheep 65 to 90 cents. There have been few weeks in the history of ovine stock when such an advance has occurred, and new

high levels were reached for this period of the movement. Woolled lambs sold above \$9.75 and in 1910, when all previous records were broken, better than \$10 was paid. It is not improbable that that level will be reached this year before the final shipments of fed grades have been made. The unexpected shortage in the supply caused the advance. Earlier in the season buyers rested secure in the fact that large numbers were on feed. However, in the past few months, eastern demand has been unusually large, and owing to the unprecedented prices for feed, marketing has been heavy. About all the fed grades are gone, and grassers or southern lambs are not ready to move in large numbers, thus the shortage. A readjustment will be made in prices as soon as grassers become more plentiful.

The Movement of Livestock.

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

	Cattle	Hogs	Sheep
Kansas City	27,975	50,400	46,600
Chicago	49,700	143,000	78,000
Omaha	11,800	64,900	35,100
St. Louis	10,300	46,000	13,300
St. Joseph	7,100	33,300	6,000
Total	106,875	337,640	179,000
Preceding week	105,100	331,500	170,150
Year ago	108,290	366,450	196,800

The following table shows receipts of cattle, hogs and sheep at the five western markets, Monday, April 29:

	Cattle	Hogs	Sheep
Kansas City	6,000	7,000	11,000
Chicago	26,000	55,000	15,000
Omaha	3,200	5,700	3,500
St. Louis	2,500	10,500	2,000
St. Joseph	1,500	7,600	4,000
Total	39,200	85,800	35,500
Week ago	39,480	84,500	44,100
Year ago	36,370	86,200	49,100

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.	1912 1911	1912 1911	1912 1911
Chicago	\$8.90 \$6.45	\$8.00 \$5.85	\$8.80 \$5.15
Kan. City	8.75 6.15	8.00 5.85	8.00 5.00

Horses and Mules.

Demand for horses and mules continues active and prices are firm. Southern demand has improved some since flood conditions at the big southern markets have been relieved. At the same time receipts have been moderate. Country buyers state that farmers are too busy to trade horses, and that receipts will continue small for some time to come. Heavy mules are selling at the high point of the season. Two car loads from Missouri sold at \$280 a head. Several eastern shipments of heavy horses were made up at \$265.

Another Advance for Grain.

Urgent demand, together with less confidence in the outcome of the growing crop, sent prices for wheat into new high grounds for the movement and the trading was active at the advance. Corn fell below 80 cents for a time early in the week, but later turned up again. Oats are slightly lower than a week ago. Prices for hay made slight additional gains last week, but at the advance there is a slower demand, and it is quite probable that prices in the next month will decline.

The following prices prevail for grain in Kansas City and St. Louis:

	Kansas City	St. Louis
Wheat—		
Soft No. 2	\$1.14 @ 1.15 1/2	\$1.17 1/2 @ 1.20
Hard No. 2	1.11 @ 1.15	1.13 @ 1.19
Corn—		
White No. 2	.81 1/2 @ .82 1/2	.81 1/2 @ .82 1/2
Mixed corn	.82 @ .82 1/2	.84 @ .85
Oats—		
No. 2 white	.57 @ .58	.57 1/2 @ .58 1/2
No. 2 mixed	.56 1/2 @ .57 1/2	.56 1/2 @ .57 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
	1912 1911	1912 1911	1912 1911
Chicago	\$1.21 \$1.04	81 1/2 54 1/2	58 1/2 34
Kan. City	1.15 1/2 .96	83 50	57 1/2 35

Seeds and Broomcorn.

Sorghum, Amber \$1.65@2 per cwt.; su-mac, \$1.45@1.75; broom corn, dwarf, \$1.40@1.50; standard, \$1.30@1.45; cowpeas, New Era, \$1.90@2.10; Whippoorwill, \$2.10@2.25; clover seed, \$12.00@20.00; timothy, \$10.00@

15.00; alfalfa, \$10.00@14.00; flaxseed, \$2; seed corn, bu, \$5c@1.40 a bushel; Kafir No. 3, white, \$1.40@1.45.

Carlot Grain Receipts.

The following table shows the receipts of grain for the week at the three principal grain markets, together with the receipts for the corresponding week one year ago and those of last week:

	Wheat	Corn	Oats
In Kansas City—			
This week	239	481	115
One year ago	270	286	86
In Chicago—			
This week	121	564	631
One year ago	136	1466	1032
In St. Louis—			
This week	152	451	200
One year ago	145	511	257

Quotations on Hay.

The following quotations are for hay on the Kansas City market:

Prairie, choice	\$23.00@23.50
Prairie, No. 1	22.00@22.75
Prairie, No. 2	20.00@21.50
Prairie, No. 3	18.00@19.50
Timothy, choice	27.00@28.00
Timothy, No. 1	24.00@25.00
Timothy, No. 2	21.00@23.50
Timothy, No. 3	25.00@26.00
Clover mixed, choice	23.50@24.50
Clover mixed, No. 1	22.00@23.00
Clover mixed, No. 2	19.50@21.50
Clover, choice	26.00
Clover, No. 1	24.00@25.00
Clover, No. 2	21.00@23.50
Alfalfa, fancy	25.00
Alfalfa, choice	24.00@24.50
Alfalfa, No. 1	22.00@23.50
Alfalfa, No. 2	20.00@21.50
Alfalfa, No. 3	17.50@19.50
Straw	8.00@8.50
Packing hay	8.00@12.00

Livestock in Kansas City.

Early last week it looked as though the cattle market was in for a general decline, but later light receipts checked the downward movement, and about all the loss was regained. Fat cattle are none too plentiful, though stockers and feeders are becoming more plentiful. Good to choice steers are quoted at \$7.50 to \$8.50, plain to good \$6.50 to \$7.40, yearlings \$6.25 to \$8.25, beet-pulp steers \$6.75 to \$7.90, quarantine steers \$5 to \$7.65. Cows and heifers are selling at \$3.50 to \$7.75, bulls \$4 to \$6.50 and veal calves up to \$7.50.

Prices for hogs in the past week fluctuated 20 to 30 cents, and today were 15 to 25 cents higher than a week ago. The market is unable to move very far either way from the 8-cent level. The top price today was \$8.05 and bulk \$7.70 to \$7.95.

The following table shows the range in prices for hogs in Kansas City on days named, for the past two weeks:

	Last week	Preceding wk.
Tuesday	\$7.40@7.82 1/2	\$7.50@8.00
Wednesday	7.30@7.82 1/2	7.50@8.00
Thursday	7.35@7.95	7.60@8.05
Friday	7.50@8.00	7.60@8.00
Saturday	7.50@8.05	7.40@7.90
Monday	7.60@8.05	7.40@7.80

Prices for lambs made new high levels for the season, lambs selling up to \$1.50 to \$1.75 and sheep 65 to 90 cents. Choice lambs are quoted at \$8.75 to \$9.85, yearlings \$6.85 to \$7.50, wethers \$6 to \$7.50 and ewes \$5.50 to \$7. Clipped lambs brought up to \$8.50 and Texas sheep up to \$6.50.

The following table shows receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	458,605	562,154	103,549	13,367
Calves	27,162	40,524	13,362	76,879
Hogs	976,485	1,053,364	76,879	2,938
Sheep	715,358	718,296	2,938	3,261
H. & M.	36,951	40,212	3,261	7,135
Cars	35,590	42,725	7,135	

Livestock in St. Louis.

Moderate receipts of cattle have permitted only slight variations in prices in the last 10 days. Early last week prices were moderately lower, but since then the loss was recovered. Average quality has shown no improvement. Good to choice steers are quoted at \$7.75 to \$8.65, fair to good \$6.50 to \$7.70. Cows and heifers are selling at \$3.50 to \$7.75, bulls \$4 to \$6.50. Veal calves have been fairly plentiful and prices are down 25 cents, top \$7.50.

Prices for hogs are back to the highest level of the year and demand appears urgent at the advance. There was a moderate setback early last week. The top price today was \$8.20 and bulk sold at \$7.90 to \$8.10.

There has been a decided advance in prices of sheep. Lambs are up \$1.25 to \$1.75 and sheep 40 to 60 cents. Woolled fed lambs are selling at \$9.50 to \$10, yearlings \$7 to \$8.25, wethers \$6.50 to \$7.50 and ewes \$5.50 to \$6.85.

The following table shows receipts of cattle, hogs and sheep in St. Louis thus far this year, compared with the same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	214,460	231,269	16,809	
Hogs	952,225	747,397	204,828	
Sheep	279,353	252,778	26,575	
H. & M.	73,190	75,517	2,327	
Cars	22,699	24,464	1,765	

Butter, Eggs and Poultry.

Elgin, April 29.—Butter this week is firm at 31 cents. Kansas City, April 29.—Prices this week on produce are: Eggs—Firsts, new white wood cases included, 17 1/2c a doz.

Butter—Creamery, extras, 30c a lb.; firsts, 28c; seconds, 27c; packing stocks, 21 1/2c. Live Poultry—Spring chickens, 2 to 3 lbs., 16c a lb.; broilers, 25c; No. 1 hens, 11 1/2c; No. 2 hens, 5c; roosters, 7 1/2c; turkey hens and young gobblers, 15c; old toms, 12c; culls, 7c; ducks, 12c; geese, 6c; plegons, 60c a doz. Dressed poultry sells for about 1 1/2 to 2 1/2c a lb. above live stock quotations.

Produce Prices Now and One Year Ago.

(Quotations on Best Stock.)

	Butter	Eggs	Hens
	1912 1911	1912 1911	1912 1911
Chicago	18 21	31 16	13 15
Kan. City	18 21	30 17	11 1/2 11 1/2

Cotton Market.

Galveston, Tex., April 29.—COTTON—11 1/2c.

International Exposition Directors Meet.

At the recent directors' meeting of the International Livestock Exposition Association, the classification for the 1912 show was made the principal subject for discussion and it was decided to adopt, with some minor changes and additions, that used in connection with the 1911 exposition. The board decided to divide the territory known as the "Eastern District" in the carlot classification, the states of New York, Pennsylvania, Virginia, West Virginia, New Jersey, Delaware and the New England states will hereafter be known as the "Atlantic Coast District" while the remainder of the territory will hereafter be known as the "Corn Belt District." The Romney-Marsh sheep will be given a classification in the 1912 exposition. Mr. R. H. Keene, Westfield, Massachusetts, Marlow, England, was selected as "foreign" judge and will pass on the grade steer and grand champion classes.

OUR SPECIAL OFFER.

To new subscribers: The Farmers Mail and Breeze until January 1, 1913, for 25 cents. Call over to your neighbor or hail him as he passes on the road, if he is not a subscriber to The Mail and Breeze, and tell him about this special offer. Earn your own subscription. If you send us 4 of these trial orders and the \$1.00 collected we will extend your time 1 year.

SAVE YOUR BACK

Save time, horses, work and money by using an Electric Handy Wagon. Low wheels, broad tires. No living man can build a better. Book on "Wheel Sense" free. ELECTRIC WHEEL CO. Box 30, Quincy, Ill.



FREE This Famous Sewing Awl



You can sew old or new harness, saddles, canvas, tents, rugs, carpets, quilts, shoes, grain bags and many other things. You can use any kind of thread in the Myers Famous Lock Stitch Sewing Awl. It makes a lock stitch same as a sewing machine. It is very simple; a woman can use it as well as a man. It is one of the most practical devices ever invented. They are put up with two needles; one is straight and one curved, with a small screw driver and wrench combined. Also a reel of waxed thread with each awl ready for use. The cut does not show full size. With needle the awl is 6 1/2 in. long. It is the Myers Famous Lock Stitch Sewing Awl. It is the only Sewing Awl made with a groove running the full length of the needle, so as not to cut the thread when sewing, and has what is known as a diamond point. Every teamster and farmer should own a Myers Lock Stitch Sewing Awl, as there is use for one in almost every household. The Myers Awl is nicely finished, the metal parts are nickel plated, the needles and wrench are kept in the hollow handle which has a screw top.

Anyone who will send \$1.25 to pay for a one-year's subscription to our big farm paper can select one of Myers' Lock Stitch Sewing Awls, which we will send by premium. Use Coupon below.

MAIL AND BREEZE

is the biggest and best farm journal in the West with over 100,000 readers. Established in 1873. Price, 1 yr., \$1.00. The best edited farm journal in America.

Pub. Mail and Breeze, Topeka, Kan.

Dear Sirs:—Enclosed please find \$1.25. Send me your paper regularly for 1 year, and one of the famous Lock Stitch Sewing Awls free and prepaid.

Name

P. O.

County..... State..... R.R.No.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. E. Hunter, Kansas and Oklahoma, 410 East Williams street, Wichita, Kan.
 J. W. Johnson, Beloit, Kan., Kansas and Nebraska.
 C. E. Walker, Kansas, Missouri and Nebraska, 1015 Central, Kansas City, Mo.
 Geo. W. Berry, E. Kansas and southern Missouri, Capper Bldg., Topeka, Kan.
 Grant Gaines, Iowa, 334 Chamber of Commerce Bldg., Omaha, Neb.
 G. E. Hall, Nebraska, 334 Chamber of Commerce Bldg., Omaha, Neb.

PUREBRED STOCK SALES.

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

Percheron Horses.

May 29—J. C. Robison and Dr. T. J. Axtell, at Towanda, Kan.

Shorthorn Cattle.

June 6—C. S. Nevius, Chiles, Kan.
 June 7—Jos. Miller & Son, Granger, Mo.
 Oct. 15—H. C. Lookabaugh, Watonga, Okla.

Angus Cattle.

May 2—Association Bull sale at Chicago, Chas. Gray, Sec., 817 Exc. Ave., Chicago, Ill.

Holstein Cattle.

May 7-8—W. G. Merritt, Great Bend, Kan.

Poland China Hogs.

May 8—Roy Johnston, South Mound, Kan.
 May 14—Nevius & Wedd, at Spring Hill, Kan.
 May 15—Matt Alton, Erie, Kan.
 Aug. 7—John E. Lawson, Clarinda, Ia.
 Aug. 7—(Evening sale) L. R. McLarnon, Braddyville, Ia.
 Aug. 8—J. W. Pfander & Sons, Clarinda, Ia.
 Aug. 9—J. O. James, Braddyville, Ia.
 Oct. 9—Herman Groninger & Sons, Bendena, Kan.
 Oct. 15—H. C. Graner, Lancaster, Kan.
 Oct. 16—H. E. Walter, Effingham, Kan.
 Oct. 17—M. T. Williams, Valley Falls, Kan.
 Oct. 18—W. E. Long, Meriden, Kan.
 Oct. 19—C. L. Branich, Hiawatha, Kan.
 Oct. 22—Jno. W. Noll, Winchester, Kan.
 Oct. 26—R. B. Davis, Hiawatha, Kan.
 Nov. 1—Walter Hildew, Fairview, Kan.
 Nov. 13—Herman Groninger & Sons, Bendena, Kan.

Duroc-Jersey Hogs.

May 9—Sam'l Drybread, Elk City, Kan.
 May 10—J. J. Baker, Independence, Kan.
 O. I. C. Swine.
 Oct. 24—R. W. Gage, Garnett, Kan.

The New Man.

I am glad to announce the addition to our field force of Mr. Geo. W. Berry. Mr. Berry is one of the most experienced fieldmen in this territory. He had probably done more to fit himself for this work, before taking it up than any other man who has entered the work in recent years. He is a breeder of purebreds, a fine judge and a writer of note. In adding Mr. Berry to my force of livestock specialists I am only taking another step in the direction of giving my patrons the best service that money can buy. Mr. Berry will represent my papers in eastern Kansas and southern Missouri.

ARTHUR CAPPER, Publisher.

Kansas and Oklahoma.

BY A. B. HUNTER.

Bishop Bros., Towanda, Kan., have had a good demand for Percheron stallions all fall and winter, and have only a few of serviceable age left. They have, however, close to 40 head of 2-year-old Percheron stallions that will be run on pasture this summer and shaped for their fall trade.

Last Call Baker's Duroc Sale.

Have you written for a catalog? If not write J. J. Baker, Independence, Kan. You will find in it an array of up-to-date blood lines. This is a very useful offering consisting of 30 bred sows and gilts and 10 good young boars, ready for service. The offering is rich in the blood of the great Buddy K. IV. Twelve of his daughters and nearly that many of his sons will be offered. A number of daughters of the champion

Farmers Mail and Breeze Pa Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Please don't run my ad of Duroc bred gilts any longer. The Mail and Breeze sure does the work.

CHAS. DORR,
Breeder of Duroc Hogs,
Osage City, Kan., Jan. 5, 1912.

Farmers Mail and Breeze, Topeka, Kan. I have just sold the 800 acre farm. Please discontinue ad, but I will send another soon. I must say the Mail and Breeze is the only paper that I have ads in that gets results. It certainly reaches over the country, as I get letters all over the globe.

FLOYD PORTERFIELD,
Hope, Ark., Feb. 17, 1912.

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

B. & C's Col. will be included. Don't fail to read display ad this issue. Remember that Sam'l Drybread, Elk City, will sell on Thursday, May 9, and that you can attend this sale the day following, May 10. Write for catalog today and attend both sales.

A Percheron Brood Mare Sale.

At Whitewater Falls Stock Farm, Towanda, Kan., Wednesday, May 29, J. C. Robison and Dr. T. J. Axtell of Newton, Kan., will hold a brood mare sale. This is the first purebred Percheron brood mare sale to be held in the state where as many mares bred or with colts at side have been offered. In this sale Dr. Axtell will disperse his entire herd. Buyers will find this a great opportunity to purchase mares. Look for display ad next issue but write today for catalog, mentioning Farmers Mail and Breeze.

Missouri, Kansas and Iowa.

BY ED. R. DORSEY.

Alton's Poland China Sale.

We wish to again call the reader's attention to the coming Poland China sale of Matt Alton of Erie, Kan., that is to be held May 15 at his farm 1 1/2 miles north of Trent on the Santa Fe railroad, and 6 miles northeast of Erie and about 6 miles west of Walnut on the Katy railroad. At this time Mr. Alton will sell 50 head. Twenty-eight bred sows and gilts and we will say the larger number of the 28 are good enough to go into any well selected herd. He sells 15 open gilts and a few extra good young males and in this is one of the best spotted pigs we ever knew to go through the sale ring. This will be a good opportunity for someone who wants a high class big spotted big bone pig. The sows are bred to Grandeur, the state fair champion of 1911 and a winner at several noted shows. Mr. Alton says he has not received enough ribbons yet to blanket him as he is so overgrown but he will be fitted for the circuit of 1912 and he hopes by that time to have a plenty to finish the job. Grandeur 60549 is the hog Phil Dawson showed in the early part of the campaign and Mr. Alton bought him and took him from Topeka after he won at this show and he then made three more shows winning every time. The owner is selling a number of extra large 2 and 3-year-old sows that would be recognized as strictly high class. He is also selling two of the best coming yearling sows that will be sold anywhere this spring. His catalogs are ready; just send a card for one and kindly mention this paper. The address is Matt Alton, Erie, Kan.

Kansas and Nebraska.

BY J. W. JOHNSON.

If you are in the market for a good Shorthorn bull, either straight Scotch or Scotch topped you better write to S. B. Amcoats, Clay Center, Kan. He has a number of good ones that are ready for service. They are toppy youngsters and are both reds and roans. They are bred right and will be priced lower than any other in the breeding and individual merit in eastern here. It is a good chance if you want a good one.

W. E. Monasmith, Formoso, Kan., has decided to offer for sale Bonney K. This great sire is just in his prime but Mr. Monasmith finds it necessary to make a change and is offering him for sale. He is one of the best known herd boars of the Duroc-Jersey breed and his breeding is as good as it is possible to find. This is a great opportunity for some breeder who needs a herd boar of this class. Write W. E. Monasmith for particulars.

Kosar's O. I. C. Swine.

Andrew Kosar, Glasco, Kan., is a breeder of O. I. C. hogs that finds a ready sale for all that he has been able to raise. He has carried a card in Farmers Mail and Breeze for two years and renewed it for another year last week. This advertisement has brought him buyers from all over the country and has sold everything he has raised during that time. At the head of his herd is O. K. Wonder, by Wonder 2nd, by Wonder. He was bred by A. C. Orme, Nodaway, Ia., and is an individual of rare merit. He is a splendid breeder and is valued very highly by Mr. Kosar. Among the herd sows on the farm is Primrose 381 and she is due to farrow next month. Gladys by Teddy R., Glasco Bell and others are among the good sows in the herd. Mr. Kosar never makes public sales but sells direct to the trade. He never offers anything that is not eligible to record. The writer representing this paper, visited Mr. Kosar on last Friday. We found Mr. and Mrs. Kosar very fine people and enjoyed our visit with them very much. Also a fine dinner.

H. L. Bode's O. I. C.'s.

H. L. Bode, Friend, Neb., starts a card advertisement in this issue in which he offers herd boar material or sows bred to state fair winners. The offering will include fall boars and sows sired by O. K. Winner, one of the most persistent winners of any boar of the breed. He has been shown 20 times in the leading state shows in the Central West and has to his credit 12 firsts, four championships and four grand championships. He is not only a show hog himself, but he sires winners. In 1910 Mr. Bode showed his get and won 14 firsts, eight seconds, four thirds, two championships and one grand championship. The boars offered, by this great sire, have size, bone, length and quality enough to give them a high rating in any show ring, if properly handled. Mr. Bode will be out with a strong show herd this year. His itinerary will include the following shows: Des Moines, Lincoln, Topeka, Hutchinson, St. Joe, Springfield, Ill., Sedalia and the American Royal. If you want "extras" in O. I. C.'s write Mr. Bode and mention Farmers Mail and Breeze.

Kansas, Missouri and Iowa.

BY C. H. WALKER.

Murr's O. I. C. Swine.

Henry Murr, Tonganoxie, Kan., sends change of copy for his ad in this week's issue. Mr. Murr is one of Kansas' most successful O. I. C. breeders. His offering at present consists of a choice lot of boars and a nice lot of gilts bred or open. He will also sell at right prices, spring pigs, in pairs or trios, not related. Write him for particulars.

Kansas Holsteins to Oklahoma.

J. W. Johnston of Tonkawa, Okla., visited the big Holstein farm owned by Ira Romig, Topeka, Kan., last week and bought four fine females and a good bull. Mr. Romig shipped 13 Holsteins last week to Shattuck, Okla. Both these sales were made through an advertisement Mr. Romig carries regularly in Farmers Mail and Breeze. Mr. Romig says he is having a fine business and that his inquiries come from practically every corn belt state and from Canada.

Weller's Durocs.

J. E. Weller of Faucett, Mo., is offering some bred Duroc-Jersey gilts for sale, and also some fall boars and a pair of good

DUROC-JERSEYS.

CRIMSON WONDER AGAIN BOARS.
1 yearling dam by W. L. A.'s Choice Goods, a herd header and show prospect. Several early fall boars, 3 full brothers to Crimson Wonder 3d. Booking orders for pigs by C. W. A. and other boars.
L. R. VAN NICE, RUSSELL, IOWA.

BEAVER VALLEY HERD DUROCS.
Boars and gilts sired by Grand Master Col. II 94903 (Grand Champion and sire of winners at Oklahoma State Fair, 1911), Defender's Col. 112297, Autocrat 94765 and Muncie Col. 113779. Satisfaction guaranteed.
W. A. WILLIAMS, MARLOW, OKLAHOMA.

SPRING BOARS READY TO SHIP.
Unexcelled in breeding and quality. A few from State Fair prize winners. Order while young and save express. For prices on young stock address
C. O. ANDERSON, MANHATTAN, KANSAS

Walnut Grove Breeding Farm Pigs sired by S. C. O. Colonel 80887 and Buddy's Bud 111828. Write for particulars.
R. C. WATSON, ALTOONA, KANSAS.

Black Locust Herd Durocs. Fashionable blood boars ready for service. Spring pigs at weaning time in pairs or trios unrelated. D. D. Walker, Dill, Okla.

SUNNY SLOPE FARM
Owned by EDMONSON BROS., Clinton, Okla. Breeders of Duroc-Jersey hogs and Buff Orpington chickens.

BRED DUROC GILTS FOR SALE!
Fall boars, 2 yearlings, April pigs at weaning time. One extra good yearling herd boar. Write for prices and state your wants to J. E. WELLER, FAUCETT, MO.

DUROC GILTS Bred for May farrow. Priced worth the money if sold soon.
W. W. OTEY & SONS, WINFIELD, KAN.
The Men with the Guarantee.

BUDDY K IV, and B. & C's COL.
Boars and Gilts by these great sires and sows and gilts bred to B & C's Col. For sale at reasonable prices. For full particulars write
J. J. BAKER, INDEPENDENCE, KANSAS.

SUNSET DUROCS
"Valley Chief Again" fall pigs, while they last, at \$12.50. Express paid.
E. B. TILSON, CONCORDIA, KANSAS.

Fisher's Durocs Herd boars, Graduate Col. 282794, Crimson Prince 89327, Ruby's Chief 10417, King's Col. 8835. These boars are the best in the state, and sows in herd bred equally as good. Describe what you want, stating price you wish to pay.
H. E. FISHER, Danville, Harper Co., Kansas.

HEBRON FARM DUROCS
A few fall boars and some fall gilts bred to farrow in June. Priced right. Quality and breeding our motto.
H. H. SHAW, - HEBRON, NEBRASKA.

GRANDVIEW DUROCS
A few well bred fall boars, gilts bred or open. Fashionable blood lines and good individuals. Satisfaction guaranteed. W. R. Huston, Americus, Kan.

CLOVER DALE DUROCS
Herd boar, Western Wonder Again No. 106067, by The Western Wonder, dam, Lady Silkworm, 400 gets him. September boars \$20, September gilts \$15 and \$20.00. Sows bred for July farrow, \$35 to \$50.
L. T. SPELLMAN, R. R. No. 8, Paola, Kas.

Perfection Stock Farm Choice Duroc March Boars, \$20 each, sired by Oklahoma King, Gold Wonder, Crimson Model and Muncie Col. Also a few good fall boars. They are priced to sell and to please or money returned.
GEO. M. CLASEN, UNION CITY, OKLA.

DUROCS FROM PAWNEE VALLEY
Three yearling boars, herd headers. Some gilts, same age and breeding. Also 17-months old herd boar, Ohio Chief strain. Also fall males. All immunized from cholera. Prices reasonable.
JUDAH BROS., HIATTVILLE, KANSAS.

Saline Valley Stock Farm
Am booking orders for spring pigs, either sex; also a few choice fall boars and gilts. Pairs and trios not related.
J. LEE DUNN, RUSSELL, KANSAS.

Ticer's Durocs Am offering a few good young Valley B. and B. & C's Col. boars, worth the money; also a few bred sows. Will book orders for spring pigs.
C. L. TICER, HARRAH, OKLAHOMA.

MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.
200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood).
E. D. KING, BURLINGTON, KANSAS.

yearlings. One of the yearlings is an extra good one, and ought to go to someone that wants a herd header or who is looking for something extra. This hog can be bought reasonably. If in the market for anything in the above line, write Mr. Weller for further particulars and prices.

Good Jersey Sale at Hiawatha.

That farmers of northeast Kansas are taking unusual interest in the dairy breeds was evidenced by the way they bought at the combination Jersey cattle sale held at Hiawatha, Kan., April 25. H. E. Wyatt,

LIVESTOCK AUCTIONEERS.

W. C. GURPHEY, SALINA, KAN. Dates claimed with me protected. Big farm sales anywhere desired.

JOHN D. SNYDER HUTCHINSON, KAN.
Auctioneer
Pedigreed Live Stock a Specialty.

Col. N. S. HOYT, Mankato, Kansas,
Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

Chas. E. Reebie, Emporia, Kan.
Pure Bred Live Stock and Real Estate Auctioneer. Speaks German. Write or wire for dates.

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

Sam W. Kidd Livestock Auctioneer
409 S. 3rd Ave., W. C. Mo.
Cattle Sales \$30. Hog Sales \$20.

LAFE BURGER
LIVE STOCK AND REAL ESTATE
AUCTIONEER
Wellington, - - - - Kansas

COL. RAY PAGE
FRIEND, NEB.
Livestock Auctioneer. Write for Dates.

FRANK J. ZAUN
FINE STOCK AUCTIONEER
Independence, Mo.
Bell Phone 675 Indp.
"GET ZAUN. HE KNOWS HOW."

Oklahoma Auction School
Col. O. R. Lilley, President.
Best in World. CATALOGUE FREE.
Next Term Opens August 5, 1912. Address, GUTHRIE, OKLA.

Col. Oscar H. Boatman
Irving, Kansas
Livestock Auctioneer
Graduate American Auction School
Write for Dates

BERKSHIRES.
FOR SALE—50 BERKSHIRES OF QUALITY
40 March and April pigs by Second Masterpiece, 30 at \$15 each or \$25 per pair. Balance show prospects, \$150 per five; including fancy. A few gilts and two October boars at \$25 each. Two October boars, by Second Masterpiece, and one by B. D.'s Centerpiece, fancy herd headers, at \$50 each. Yearling boars at from \$25 to \$50 each, also a few gilts bred to farrow in May and June at reasonable prices.
J. T. BAYER & SONS, Yates Center, Kansas.

WAITE'S BERKSHIRES.
Choice young Boars and Gilts, also tried sows. Most famous Robinhood Blood. We guarantee satisfaction. Call or write
LEON A. WAITE, WINFIELD, KAN.

WILDWOOD FARM BERKSHIRES
Hered by SIR MASTERPIECE 2D AND WILDWOOD REVELATION 125617.
Pigs, March and April farrow, priced very reasonably. Get in your order early for choice pairs and trios. Choice gilts will be bred to Sir Masterpiece. Only the best shipped on order and all representations guaranteed.
Address
O. L. STEANSON, TROY, KANSAS.

SUTTON'S OFFERING OF BERKSHIRES
30 BRED GILTS
For sale, weight 250 to 350 pounds. These gilts are extremely high class and priced to sell quick. 5 tried brood sows—bar-gains. 15 high class spring boars \$25 to \$50. Book your orders now and get the tops.
Sutton Farms,
Lawrence Kansas.
Berryton Duke Jr.

DUROC-JERSEYS.

SCHWAB'S DUROC - JERSEYS!

A choice lot of big, husky spring boars at \$25, if taken soon. Also young sows bred for April, May and June farrow, priced right.

GEO. W. SCHWAB, CLAY CENTER, NEB.

Bancroft's Durocs.
We hold no public sales. Nothing but the best offered as breeding stock. Choice Sept. boars, tried sows and September gilts, open, or bred to order, for fall farrow, 80 Feb. and March pigs, either sex. Pairs and trios not akin. Prices right. Customers in six states satisfied. Describe what you want. We have it.

POLAND CHINAS.

BRED GILTS FOR SALE.

Nine gilts, some bred and some open, out of sows by Capt. Hutch, Prince Hadley, etc. Bred to Exalter's Wonder. Also a tip top tried herd boar for sale. These are good and will be priced right for quick sale.

C. L. BRANIC, HIAWATHA, KANSAS.

W.E.Epley's Polands

Some good October boars for sale. Strictly big type.

W. E. EPLEY, DILLER, NEBRASKA

**HALF TON BOAR FOR SALE
GIANT MONARCH**

Also a few tried sows bred to this great boar.

W. C. MILLIGAN, Clay Center, Kan.

Mt. Tabor Herd Polands

Pairs and trios not related. 100 spring pigs to select from. Also some choice fall gilts open or bred later for fall farrow. Bred spring gilts all gone.

J. D. WILLFOUNG, Zeandale, Kansas.

CHOICE SUMMER BOARS

Large enough for service; also fall pigs. PAIRS AND TRIOS NOT AKIN.

Sired by M. M.'s Corrector, Ironquill, Kansas Victor, Elephantdonk and Jumbo.

JOE SCHNEIDER, NORTONVILLE, KAN.

Manderscheid's Polands.

Fashionable blood lines. High-class individuals. Spring or fall boars; gilts, bred or open. Prices reasonable. Descriptions guaranteed. Write today.

E. J. MANDERSCHIED, St. John, Kansas.

DOOLEY'S BIG SPOTTED POLAND CHINAS

Herd headed by Eterville Chief by Brandywine. Herd sows selected from top Faulkner's herd. Booking orders now for spring pigs by Eterville Chief, Budweiser, Brandywine. They will please, are priced right.

Edgar Dooley, Eterville, Mo.

MAPLE GROVE HERD

Big Type Poland Chinas

Herd headed by EXPANSION LOOK 61191. Best of big breeding and individuality represented in my sow herd. Fall sale October 26.

R. B. DAVIS, HIAWATHA, KANSAS.

Longview Polands

Herd Headed by VICTOR CHIEF, YOUNG MASTIFF, LONGVIEW KING.

Breeding stock for sale at all times. Just now I am offering an extra choice lot of gilts, bred for spring farrow. Write or come and see me.

D. M. GREGG, HARRISONVILLE, MO.

Dean's Mastodon Polands

Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Bred sows all sold. Will sell a few boars of serviceable age, also choice fall pigs, either sex. 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



Fall boars, of best Big Type blood lines and individuality.

PHIL DAWSON, - Endicott, Nebr.

HAMPSHIRE.

Try The White Belts

Clowdard Farm offers a number of extra nice Hampshire boars for sale.

T.W. Lavelock, Princeton, Kas.



Special sale on boars, 175 to 200 lbs. and weaning pigs, ready to go, taken at once.

J. R. LAWSON, Ravenwood, Missouri.

Reg. Hampshire Hogs

of various ages, not akin. Three registered and one grade Dutch-Belted Bulls. One spotted stallion.

G.W. Welchenbaum, Atiamont, Kas.



WRITE J. F. PRICE, Medora, Kans. For prices on Pedigreed HAMPSHIRE HOGS. S. C. B. Leghorn eggs.

Falls City, Neb.: A. J. Greenwalt, Hamlin; C. D. Fisher, Hamlin, and E. L. M. Benfer, Leona, Kan., were the contributors. The offering was a good one and the 34 females sold averaged \$119.11. Ten bulls, the majority of which were young calves, sold for an average of \$44.05. The top of the sale was \$255 paid by O. E. Nichols of Abilene, Kan., for a good cow from the Greenwalt herd. While there were a few from a distance the attendance was largely local. A number of good herds are being started in that section and it is the plan to hold regular sales of choice breeding cattle.

H. B. Walter Sells Good Boar.

Jno. Kemmerer of Mankato, Kan., recently purchased from H. B. Walter, Effingham, Kan., a toppy 1911 spring boar, by Expansive. This boar is from one of the last crop sired by the great Expansive. Expansive boars have proven out wonderfully well and this one should make a good herd header for Mr. Kemmerer. Mr. Walter is reserving for his own herd one of the last pigs by Expansive. He has a few fall boars left that are extra good. They are the kind that grow out and make good. They have been handled to the best advantage to bring out the "breed on" qualities. Write Mr. Walter for further information if in the market for a herd header.

Northeast Kansas Sale Dates.

Northeast Kansas has long been recognized as one of the very best sections of the country for big type Poland Chinas. The breeders in that section of the state have made a reputation that will last for ages. A big per cent of the best individuals of the past five years have been produced in the herds located in this section. These breeders are not "in and outers," but have each year improved their herds until today they have reached a high state of excellence. We refer the readers of this paper to the sale date column, which will show the dates for fall sales these breeders have claimed. Not all of the good breeders of this section are included in this list, but as soon as they decide on their dates they can be found in this column. We can recommend all of them to buyers in the market for top stock. This fall their offerings will be high class in every respect. It will be a great hog year and it is a satisfaction to know just where choice breeding stock may be secured. More of these herds will be heard from later.

Haynes's Good O. I. C.'s.

Harry W. Haynes, Meriden, Kan., liked the O. I. C.'s so well as a farmer's proposition that he decided to breed them pure and to supply the trade. Last year, the second in the business as a breeder, he sold 35 head on mail order through the Mail and Breeze. His stock gave universal satisfaction. Mr. Haynes has been very careful in selecting sale stock that was up to a high standard in every respect and every customer has been more than satisfied. The following from J. O. Sedlock, Chalco, Neb., is a sample of the good letters he received upon arrival of pig. "The pig arrived O. K. and I think you made a fine selection for me." Mr. Haynes has had good luck in saving his spring pigs and has something like 50 head on hand now. The litters averaged from 10 to 12, a mighty good record. Brigham 24175, by Gurdeon 27812, dam L. B. Silver & Co., heads the herd, assisted by Elmbrook King 33583, by Kerr Dick The Great 27459. The spring pigs are by these two boars and show up unusually good. He is booking orders now for spring pigs of either sex and at prices that are attractive. Write him per card advertisement elsewhere in this issue.

Davis's Good Poland Herd.

A recent inspection of the Maple Grove herd of big type Poland Chinas, owned by R. B. Davis of Hiawatha, Kan., found the herd in excellent shape and a mighty nice lot of spring and fall pigs on hand. R. B. Davis is a new breeder. He has been in the business but a year or two, but we want to say for him here that he has a herd that is a credit to many older breeders of the state and a herd that if continued along the lines now planned will win recognition from the best. Mr. Davis is a good care taker, which is one of the first essentials in breeding hogs. He is a judge of good stock as is evidenced by his herd of sows. He has six or seven sows in the herd sired by Major B., a son of Major Bob, the boar used by Jno. Blain and which rivaled Big Hadley for breeding honors in the herd. These sows are extra good, of the most desirable type and are great producers. Other sows in the herd are sired by Prince Hadley, Big Hadley's Likeness, Nodaway King, and are out of sows by King Do Do, Prince Hadley, First Quality, Johnson's Chief, Big Hadley and other sires of note. All these sows are of the right type, big roomy sows with good length, good bone and plenty of quality. The spring pigs out of these sows, sired by Expansion Look 61191 are good and under Mr. Davis's care should grow out into something extra. The fall pigs are sired by Major B. and if they develop as well as the matured sows in the herd by this boar they will be good property for any breeder. Expansion Look, the herd boar, by Expansion Over, one of the largest of the Expansions and is out of a Grand Look dam. He has made good as a sire. Mr. Davis will hold a fall sale at Hiawatha, Kan., on October 26 at which time he will sell the tops of his spring crop of pigs along with the best of the fall pigs he now has on hands. In this sale he will also put a few of his herd sows as attractions. If you want a good boar pig from this herd write Mr. Davis per his card advertisement in this and subsequent issues. We recommend his stock.

The Nevius-Wedd Poland Sale.

C. S. Nevius, Chiles, Kan., and Geo. Wedd & Son, Spring Hill, Kan., will again join forces in an offering of big type Poland Chinas. The date is Tuesday, May 14, and the sale will be held at the Wedd farm adjoining Spring Hill. Something like 50 head will be sold in this offering, consisting of 18 tried sows and the remainder fall and spring yearlings. These are the get of Designer, Major Look, Good Metal, Kansas Wonder and Wedd's Expansion, the boars that have for several years been producing in these herds a highly desirable type of Poland China. The offering is bred for May, June, July and early fall litters to the above named boars and to Forest Wonder, the good young boar from the Wallace herd, sired by Expansion Wonder; Wedd's Long King, the son of Long King's Equal, that was the top of the Lee Gross sale, and to

The C. S. Nevius—Geo. Wedd & Son

**BIG TYPE
POLAND CHINA
OFFERING**

TO BE SOLD AT THE WEDD FARM,

ADJOINING

Spring Hill, Kan., Tuesday, May 14

should for several reasons be an excellent place to make good selections in big type Poland China sows, bred. The reputation of Messrs. Nevius and Wedd, both as producers of strictly desirable Poland Chinas and as men whose personal word is as good as their bond, is country wide. The public know that when these breeders advertise a sale the offering is desirable. They know that well bred hogs, rightly fed, intelligently mated—the kind that go out and make good, can be found in a Nevius-Wedd offering.

In this coming sale the get of Designer, Good Metal, Major Look, Kansas Wonder and Wedd's Expansion, which has heretofore given universal satisfaction, will be bred for May, June, July and early fall litters to the above named sires, and Forest Wonder (by Expansion Wonder), Wedd's Long King (by Long King's Equal), and Prince (by Prince Ito).

Fifty head will be sold, consisting of 18 tried sows and the balance fall and spring yearlings. The catalogue gives full information of the offering and will be mailed upon request to either. Write for one today, kindly mentioning Farmers Mail and Breeze.

C. S. NEVIUS, CHILES, KAN. GEO. WEDD & SON, SPRING HILL, KAN.

C. H. Walker, Fieldman. Col. R. L. Harriman, Auctioneer.

**MATT ALTON'S POLAND CHINA SALE
ERIE, KANSAS, WEDNESDAY, MAY 15,**

At farm, 6 miles Northeast of Erie, 1 1/2 miles from Trent Station, on Santa Fe.

50—HEAD—50

Consisting of 28 bred sows and gilts, 15 open gilts and 7 grand young boars. A number of these sows and gilts are bred for June farrow to Grandeur 60549, my 865-pound hog that won first as senior yearling at Topeka State Fair, 1911, and Grand Championship at the four-county Fair at Chanute, Kan., 1911. The balance are bred to Blain's Wonder's Son, 59903, for June, July and later farrow. I am going to sell Blain's Wonder's Son for no fault. He is good enough to go to any of the fairs this fall, as senior yearling. There are 9 tried sows in this offering that are hard to beat in any one's herd. I have 60 spring pigs from these 9 tried sows. They will be very thin, sale day; couldn't be otherwise, having just weaned litters of big, broad-nosed pigs, by Grandeur. Come and get a sow bred to this great hog and see the kind he gets.

A postal card addressed to me will bring you a catalogue of this sale.

MATT ALTON, ERIE, KANSAS.

Auctioneers—Frank J. Zaun, Independence, Mo., Charley Beard, Parsons, Kan.; Asa Dorsey, Girard, Kan. Fieldman—Ed. Dorsey.

A WONDER—THE 1200 POUND POLAND CHINA.

I am now ready to book orders for spring pigs, both boar and sow pigs, sired by A Wonder 107353 and out of sows that weigh from 700 to 800 pounds. Also pigs sired by Big Joe 62174, all out of A Wonder dams. Pigs to be shipped at about 3 months old. Will have twelve February litters, balance in March. Get order in early and have pick of the herd.—H. Fesenmeyer, Clarinda, Iowa.

SPRING PIGS

I am now booking orders for Spring Pigs, either sex, sired by Captain Hutch, King Hadley 2d, Hutch Jr., Mow's Longfellow Price, Panoramble and A Wonder out of Long King's Equal sows and sows of the best big type breeding and immense individuals in size and quality. Order early and get first choice. Pigs shipped at three months old. Nothing but first class stuff shipped. Send for private sale catalog and prices. In buying at this age you save enormous express charges.

"THE HOME OF CAPTAIN HUTCH," C. W. JONES, SOLOMON, KANSAS

Welch's Big Type Polands Large, growthy, and good boned, stretchy young boars and gilts. A great bargain, also, in our herd boar by Progression. Write for particulars.

L. H. WELCH, GARFIELD, KANSAS.

Mammoth Poland Chinas

My herd boars weigh from 800 to 1,000 lbs. Am now ready to ship 200 of the big, easy feeding, quick maturing kind. Tried boars and sows, last fall boars and sows, and spring pigs of both sexes. My terms are: If you are not satisfied return the hog, and I return your money.

F. P. ROBINSON, MARYVILLE, MISSOURI

Poland Chinas Select Young Boars, Gilts Bred or Open. Prices Right. Call or Address H. L. BROOKS, Larned, Kansas.

Poland Chinas

Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.

JOSEPH M. BATER, ELMO, KANSAS.

O. I. C. SWINE.

O. I. C. HERD BOARS OR BRED SOWS
By O. K. Winner, winner of 12 firsts, 4 champion and 4 grand champion ribbons in 20 shows, and Chicksaw Model, second prize winner at Lincoln. Sows bred to these boars and keep on winner. Priced for quick sale.
H. L. BODE, FRIEND, NEBRASKA.

O. I. C. Pigs \$10.00 EACH. Harry Haynes, Meriden, Kan.

HAVE YOUR IDEAS about the O. I. C. hogs been correct? Send for my circular telling all about it. **R. W. GAGE, Garnett, Kan.**

EDGEWOOD O. I. C.'s, gilts; spring pigs mated, so kin. **HENRY MURR, Tonganoxie, Kansas.**

Neef's O. I. C.'s.

THE BIG KIND

Am offering summer gilts, bred, Sept. and Nov. pigs of either sex, at farmer's prices. Am also booking orders for spring pigs for May and June delivery. Can furnish pairs and trios not akin. Send for catalog and prices. Also have a registered Scotch collie female at a bargain if taken soon.
RIVERSIDE FARM,
John H. Neef, Boonville, Missouri.

THIS O. I. C. SOW WEIGHED 932 LBS. AT 23 MONTHS OLD

IONIA GIRL

I have started more breeders on the road to success than any man living. I have the largest and finest herd in the U. S. Every one an early developer, ready for the market at six months old. I want to place one hog in each community to advertise my herd. Write for my plan, "How to Make Money from Hogs." **G. S. BENJAMIN, R. F. D. 23, Portland, Mich.**

MULE FOOTED HOGS.

Mule Foot Hogs Bred sows and pigs in pairs, not related. Pedigree furnished.
EENE G. HADLEY, WILMINGTON, OHIO

HEREFORDS.

LOUST GROVE HEREFORDS.
Extra good young bulls from 12 to 28 months old (herd header quality), sired by such sires as Polled King 3rd 251120, 96, and Quincy 2d 207075. Come and see them or write
R. F. PLUMMER & SON, Wellington, Kan.

MATHEWS HEREFORDS
Big, strong yearling bulls, also extra good cows and heifers, strong in Anxiety 4th blood. Special prices on car lots. Write today.
FRED MATHEWS & SONS, Kinsley, Kan.

HEREFORD BULLS

Carload coming 2-year-old and 75 strong yearlings, the best bunch I ever had to sell. Prices right.
SAML. DRYBREAD, Elk City, Kan.

ABERDEEN-ANGUS.

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.

Sutton Farm Angus

For sale, our entire crop of 1911 spring bulls, individually or in carloads, great, well grown, lusty fellows, sired by the best of herd bulls. Bulls from this herd sire winning steers in Chicago, Denver, Fort Worth and Kansas City shows annually. Also 20 head imported and Canadian bred Shropshire sheep, and selections from a large and high class herd of Berkshire hogs.
SUTTON FARMS, LAWRENCE, KANSAS.

RED POLLED CATTLE.

Foster's Red Polls A few choice bulls for sale. Also a few cows and heifers priced reasonable.
C. E. FOSTER R. R. 4, Eldorado, Kan.

RED POLLED BULLS

and heifers by Actor 7781 and Launfal 13221. 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.

Woods Polled Durhams

Roan Hero Bulls and Heifers for Sale.
Three bulls from 12 to 22 months old, a Mina, a Brawwith Bud and a Necklace, two roans and a white of top quality and ready for service. Also a few choice yearling and two-year-old heifers. These will be priced right for quick sale. Come and see or write
C. J. WOODS, CHILES, KANSAS.

We Make Cuts!

The Mail and Breeze has the most complete plant in Kansas for the making of first class half-tone engravings and zinc etchings and is prepared to fill all orders. Particular attention given to general newspaper illustrations. Our cuts cannot be excelled and are guaranteed satisfactory. Lowest prices consistent with good work.
THE MAIL AND BREEZE, Topeka, Kan.

Prince, by Prince Ito, the great sire in service in the Robinson herd at Maryville, Mo. The reputation of Messrs. Nevius and Wedd for producing strictly desirable Poland Chinas and their reputation for honest dealings and square treatment is known wherever they are known. They have built a reputation on a solid foundation and the public has come to know that when these breeders announce a sale that breeders and farmers can attend with the assurance that strictly desirable stock will be sold and backed by a strong guarantee. For good dependable Poland Chinas, the kind that have a reputation for making good, this sale is the place to buy. The breeders do not claim this offering that it is the best to be sold this year, nor that it is the best offering they have ever sold, but they do guarantee a class of Poland Chinas that will make good and they solicit the breeder and farmer patronage on a make good basis. Conditions are such at this time as to make the buying of a few good sows a highly desirable proposition. Messrs. Nevius and Wedd have them to offer and at the prices put upon them by those in attendance. The catalog is now ready and will be sent upon application by mentioning the Mail and Breeze to either consignee. C. H. Walker, representing this paper, will handle mail bids for those who cannot attend.

T. J. Blake's Shorthorns.

When the Shorthorn breeders of northeast Kansas were holding annual and semi-annual sales at Hiawatha and in the sales held by individuals one or two of the best females usually found a home in the herd of T. J. Blake of Hiawatha. He bought in a quiet way as is characteristic of men of his type, made careful and discriminating selections. He believed in the theory of "proving all things and holding fast to the good." He was modest when talking of his herd and to use his words, "I wanted to build up a herd that would speak for itself, a herd that I could back up to the good things said of it." Mr. Blake is in a position now to do this. The females in the herd were selected with care, both in blood lines and individual merit. They represent such sires as Snowflake, the bull which made such a reputation in the herd of Everett Hayes and the sire of the grand champion, Ringmaster; Pride of Collynie, one of the best sons of Imp. Collynie; Scotchman, a good breeding son of Imp. Royal Fride, which sold for \$1,200, in the Reber dispersion; Naomi's Archer, a Scotch bull of merit; Good Mixture by Choice Goods and Unique Roan, by Snowflake. The biggest part of the breeding herd is pure Scotch and have proven excellent producers. But it was in the selection of the herd bull that Mr. Blake showed rare judgment. The bull at the head of the herd is True Goods 337574. He is a rich roan and was 2 years old last January. He is by Fair Goods, the great son of Choice Goods and Ruberta, at the head of McDermott's herd, at Kahoka, Mo. The dam of True Goods is Rosie 19th, by Standard Bearer and his granddam is Imp. Rosie 17th, by Scottish Victor. As will be seen he is bred in the purple and as an individual he is one of the good bulls of the breed. He was bought by Mr. Blake at a long price and it would take more than several times what he gave for him to induce him to part with the bull. Mr. Blake's herd is one of the top herds of its size in the state or in the West for that matter and we predict a bright future for this breeder and his herd.

Kansas and Missouri

GEO. W. BERRY.

Samuel Drybread's Duroc Sale.

The sale of Duroc-Jerseys advertised in this issue of the Farmers Mail and Breeze, to be held at Star Breeding Farm, Elk City, Kan., is one of the important sales of the season. The offering comprises 40 head, 33 sows and seven boars. The sows that will be sold consist of 12 tried sows and 27 yearling gilts, a good part of which are bred to the champion Duroc boar, B. & C's Col. It is conceded by good judges that B. & C's Col. is one of the very few really great sires of this breed. He not only has the distinction of being the grand champion boar of the breed the two years he was shown, but is further distinguished by his getting having won a large per cent of the prizes at the big shows during the last two years. Other sows are bred to Bell's Chief, one of the best sons of the celebrated Ohio Chief, or to Red Advance, a son of the great show boar Red Wonder. The sows bred to the above boars, with their prospective litters, represent the best combination of Duroc blood lines, the Colonel, Ohio Chief, Crimson Wonder, Tatarax, Buddy K. IV, and other well and favorably known families.

Merritt's Holstein Dispersion.

W. G. Merritt, Great Bend, Kan., will sell at public auction Tuesday and Wednesday, May 7 and 8, 135 head of high grade Holstein cattle, consisting of 42 mature cows, 14 coming 3-year-old heifers, 20 coming 2 years and 30 heifers up to yearlings. His two excellent herd bulls, Mechthilde Diewertje 45426 and Woodcroft Hartog 70421, both of high producing families, will be included in this sale. All females old enough have been bred and will show in calf or have calf at foot sale day. They have been well wintered and ready to go onto grass and make good. This will afford a great chance for buyers of the Southwest to buy especially selected milk cows of Wisconsin breeding. A milk record of each cow for 20 months will be furnished on application. Be sure to attend the sale. In writing please mention Farmers Mail and Breeze.

Editorial News Notes.

Jewell county, Kansas, is the banner alfalfa growing county in the state. At Formoso, Kan., (Jewell county) Mr. J. Jacobson, well and favorably known as an alfalfa expert, handles a large quantity of seed every year. You can rest assured that you are getting nothing but the best if you give this alfalfa expert your order. He has an ad in this issue of Farmers Mail and Breeze. Address J. Jacobson, Formoso, Kan., for prices and samples which will come to you by return mail.

It pays to use a brand of chick feed correctly prepared. It means a saving of chicks. It means more growth. Wet mashers are fed now by few of the most successful poultry raisers. One of the best of the well known chick feeds is the Otto Weiss Chick

GREAT TWO DAYS
Holstein Dispersion

Great Bend, Kans.,

Tues. and Wed., May 7-8, '12

135 Head of Working
Dairy Animals 135

Consisting of the two registered herd bulls, Sir Mechthilde Diewertje 45426 and Woodcroft Hartog 70421, of high producing families, and 42 mature cows, 14 coming 3-year-old heifers, 20 coming 2-year-old heifers, 29 bulls from calves to coming 2 years, and 30 heifers up to yearlings.

All females old enough have been bred and will show in calf or have calves at foot.

All well wintered on grain, alfalfa and silage and are ready to go onto grass and make good.

This is Kansas' greatest opportunity to buy high-grade, specially selected milk cattle of Wisconsin breeding.

Milk record of each cow for 20 months will be furnished on application. Address

W. G. Merritt, Great Bend, Kansas

Col. James T. McCulloch, Auctioneer.

Drybread's Duroc Sale
Star Breeding Farm, Elk City, Kan., May 9
40—Head of Star Breeding—40

Mr. Drybread will sell one of the best offerings he has put through the sale ring, consisting of twelve tried sows, twenty-seven spring and summer gilts, and seven young boars of serviceable age.

This offering represents the blood of B. & C's Col., Ohio Chief, Buddy K. IV, Tatarax, Red Wonder, Proud Advance, Ohio Col., Pilot Wonder Chief, Crimson Wonder 3rd, Top Notcher Again, McNeil's Model, Hogate's Model, Gold Finch, W. L. A.'s Choice Goods. **YOU WILL HAVE NO CAUSE TO REGRET BUYING, FOR THESE SIRES ARE STEAM ROLLERS TO THE BREED.**

The Sows and Gilts are Bred to the Following Boars:

B. & C's Col., Bell's Chief, S. D.'s Buddy and Red Advance. A number of these will sell with litters at foot. Those wishing to buy the very best breeding backed up with individuality will have a good opportunity.

WRITE FOR CATALOG. It tells how to come and when you can get away. Address,

Sam'l Drybread, Elk City, Kan.

Auctioneers: Col. Fred Reppert, Col. J. W. Sheets, Col. W. T. Noblitt. Fieldman: Ed R. Dorsey.

BAKER'S DUROC SALE
Independence, Kan., Friday, May 1030 Bred Sows and Gilts.
10 Young Boars, Ready for Service.

These boars are most all by the great Buddy K. IV, and the last we will be able to offer.

Of the 30 bred sows and gilts, 12 are daughters of Buddy K. IV, 5 daughters of the Champion B. & C's Col., 5 by Wonder's Advance, 3 by Hanley's Wonder and 1 by Crimson Prince. Two are granddaughters of Ohio Chief, out of a Top Notcher Again dam.

Some of these sows will have litters by B. & C's Col. by sale day, others will be bred to such sires as Wonder's Advance, M. H.'s Col., and to a good son of Buddy K. IV. Take Rubber Plant Street Car at Independence. Farm adjoins town.

Send for catalog today. Address,

J. J. BAKER, Independence, Kan.

Auctioneer: Fred Reppert. Fieldman: A. B. Hunter.
Sam'l Drybread's sale, Elk City, Kan., April 9. Arrange to attend both sales.

SHORTHORNS.

Milk and Beef Combination. Hornless Shorthorn Cattle, Oxford Down Sheep, Bourbon Red Turkeys. J. H. WALKER, LATHROP, MO.

Johnston's Shorthorns Shorthorn Cattle and Duroc-Jersey hogs all ages and sexes. Also two young jacks for sale. T. F. JOHNSTON, GARFIELD, KANSAS.

SHORTHORN CATTLE POLAND CHINA SWINE and CLEVELAND BAY HORSES. All stock pedigreed. Prices reasonable. Thos. B. Murphy & Sons, Corbin, Ks.

Valley View Shorthorn Cattle

25 cows and heifers bred to Orange Major 264704, 10 bulls of different ages sired by Major of Valley View 266325. Prices right. Breeding and individual rights. Address ADAM H. ANDREW, GIRARD, KANSAS.

True Goods 337574

by Fair Goods, dam Rosie 19th by Standard Bearer, second dam Imp. Rosie 17th by Scottish Victor, heads my herd of carefully selected Scotch cows. Young stock for sale. T. J. BLAKE, HIWATHA, KANSAS.

SCOTCH AND SCOTCH TOPS.

TEN BULLS 10 TO 18 MONTHS OLD. ALSO SOME GOOD COWS AND HEIFERS. S. B. AMCOATS, CLAY CENTER, KAN.

Shorthorn Bulls

A few choice bull calves, sired by my noted herd bull Double Champion, by Choice Goods and out of the dam of Ruberta. Farm adjoins town. Address ED GREEN, HOWARD, KANSAS.

LOOKABAUGH'S SHORTHORNS

Pride of Albino, by Shinstone Albino, at head of herd assisted by Violet Search, by Searchlight. Over 200 head of purebred Shorthorns from which to select, including sons and daughters of imported sires and dams. Special prices on breeding stock. You are cordially invited to inspect this herd. Write for particulars; every description guaranteed.

H. C. Lookabaugh, Watonga, Okla.

Pearl Herd of Shorthorns

I have a select bunch of young bulls from six to 20 months old, well bred, well grown and the making of good useful animals. They are both reds and roans. Can ship via C. R. I. & P., A. T. & S. F., U. P., and Mo. Pac. Address

C. W. TAYLOR

R. R. No. 2, Enterprise, Kan.

DAIRY CATTLE.

Dutch Belted and Holstein

male and female calves for sale from exceptionally good milkers. Springdale Stock Ranch, Concordia, Kan.

HOLSTEINS - CHOICE BULL CALVES.

H. B. COWLES, TOPEKA, KANSAS.

LINSCOTT JERSEYS

ONLY REGISTER OF MERIT HERD IN KANSAS, offers at moderate prices a few heifers, open and bred; a few tested cows; bulls of serviceable age out of tested cows.

R. J. LINSCOTT, HOLTON, KANSAS

Guernseys For Sale

1 eligible to registry heifer calf \$75.00, 1 eligible to registry bull calf \$45.00, 1 full blood heifer and 2 full blood bull calves, not eligible to registry, \$15.00 and \$12.00 each. All beautifully marked and sired by No. 18015, a great grandson of "Glenwood Boy of Haddon" who had 22 daughters in the Advanced Registry. MRS. HELEN DONNELLY, R. F. D. 4, Manitowoc, Wis.

Choice Jersey Bulls

I am offering a few young bulls, sons of Oxford's Masterpiece, a son of Oxford Lad; Oxford's Brigadier, a son of Gamboge Knight; Merry Maiden's Golden Lad, a son of Merry Maiden's 3d Son; and Eurybia's Exile. I have but a few of these calves that are ready for service. Will sell them reasonably while they last. Write for prices and particulars. W. N. BANKS, INDEPENDENCE, KANSAS.

Holsteins For Sale

40 cows and heifers, fresh inside 30 to 40 days. Several cows, heavy milkers, fresh now. Also bulls from 1 mo. to 15 mos. old. IRA ROMIG, STA. B. TOPEKA, KANSAS.

GALLOWAYS.

Capital View Herd of Registered Galloways

For Sale: a fine lot of young bulls in numbers to suit purchaser. For further particulars call on or write G. E. CLARK, 2301 Van Buren St., Topeka, 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

Feed. It will give you satisfactory results in the poultry yard. Try it and be convinced. It's less labor, cleaner, better, more sanitary than the old method of feeding wet, sloppy mash. See ad on page 19. Write for circular of feeds and poultry supplies to Otto Weiss Alfalfa Stock Food Company, Desk A, Wichita, Kan.

Saving little incubator chicks is made easy says Mrs. J. L. Shoemaker of Lucerne, Kan., by using Walko Remedies advertised on page 19. Walker Remedy Co., 7 Main St., Lamoni, Ia. Gentlemen—I have been in the poultry business for years and have lost thousands of incubator chicks from bowel trouble or white diarrhoea. Three years ago I sent for a package of your Walko Roup and Cholera Remedy and since using it have had splendid success. Raised over 90 per cent and only lost a few from bowel trouble. Never had such a thrifty flock of the little downy fellows. If more poultry raisers knew of this remedy there wouldn't be so much loss from that dread disease, white diarrhoea.—Mrs. J. L. Shoemaker, Lucerne, Kan.

Every Farmer

interested in hay presses and balers should send and get Whitman's big new catalog. It shows all that is best in hay presses and balers. These new improved presses are great labor, time and money savers. This catalog will be sent free to anyone mentioning our paper. Write for one today. Their address is Whitman Agricultural Co., 6949 Broadway, St. Louis, Mo. See ad on page 15.

Concerning Bees.

If people knew what a great source of profit is found in the keeping of bees and how interesting the work, there wouldn't be an unused square foot of ground on any farm in the United States. Bees are the only producers known to husbandry that yield a profit without cost of feed. They find their own pasturage. They multiply so rapidly that they more than pay for the small initial expense of housing them, and the first cost of equipment is almost trifling. Bee culture may be made profitable by the children of the farm, or by the women members of the family. It may be carried on successfully in conjunction with the keeping of poultry or the growing of fruit. In the latter case, apiculture is found to be a great help toward more fruit and better fruit. Bees are little trouble, and require only occasional attention. They are easily handled and readily controlled. Best of all, they give a real service in hard cash and that counts most on the farm. Every reader of this paper ought to look into this matter of bee-keeping, and find out about its possibilities. The best way is to send 25 cents for a six months' trial subscription to Gleanings in Bee Culture, published by The A. I. Root Company, Box 219, Medina, Ohio. They are headquarters for everything connected with bee culture, and are always glad to answer all questions relating to this fascinating pursuit. Gleanings in Bee Culture contains information in any one number worth more than the cost of a trial subscription. You will find discussions by bee-keepers and interesting information even though you never own a single bee. The trial subscription will prove a wise investment of a quarter.

Saving Farmers a Million a Year.

The department of agriculture has frequently called the attention of farmers and livestock breeders to the tremendous loss caused every year by worms in farm animals. It is estimated that these pests rob us of more than a million dollars of profit yearly. This seems a heavy penalty to pay for neglecting the health of our stock and a dead loss that can be and ought to be stopped quickly. Until a short time ago it was considered necessary to dose worm infested animals with gasoline, tobacco or some other equally disagreeable mixture. On account of the time and trouble this took, all but the very worst cases were usually neglected. This condition of affairs attracted the attention of a well known chemist of Cleveland, Ohio, Mr. Sidney R. Fell. While serving as assistant to Dr. Nathan Rosewater, chemist of the Ohio state dairy and food commission, Mr. Fell discovered Sal-Vet which has revolutionized the treatment of stock troubled with worms and has made his name familiar to almost every farmer and stock owner in America. In discovering Sal-Vet, the greatest of all medicated stock killers, Mr. Fell loosened the grip of worms on the livestock industry. No owner of stock now needs to lose a single dollar on account of these pests. First, because Sal-Vet will positively rid all stock of stomach and free intestinal worms, and second, Mr. Fell offers to send enough to last all your stock 60 days before he asks a penny of pay and if the results are not satisfactory to you at the end of this trial he will willingly cancel the charge and you don't owe him a penny. In preparing Sal-Vet Mr. Fell takes advantage of the saving all farm animals have for salt and by adding to it several chemicals that are harmless to animals but death to worms he has solved the most perplexing problem stockmen and farmers have ever faced. By preparing Sal-Vet as a salt he has done away with the necessity of dosing, drenching and dosing. The animals run to it freely in the feed yard or barn without taking any of your time or causing any bother. They simply doctor themselves and you do not need to fear that any animal will get more than it needs. Mr. Fell not only offers Sal-Vet on terms so liberal that no stock owner can afford to do without it but his prices are also very reasonable. It costs only 1-12 of a cent per day to let any sheep or hog run to Sal-Vet and only a trifle more for other farm animals. This, it will be seen is nothing as compared with the yearly loss from dead stock and failure of worm infested animals to put on flesh and gain. Since Sal-Vet was introduced it has been adopted by almost every prominent breeder and feeder in the United States. It has also received the highest endorsement from a number of state agricultural colleges and thousands of farmers have written Mr. Fell personally thanking him for putting this great preparation within their reach. Don't confuse Sal-Vet with any other preparation. It has many endorsements from prominent farmers and stockmen and authorities than any other preparation for livestock. Hogs kept free from worms are not apt to take cholera. Sheep, cattle, horses, mules, all farm stock thrive better, gain faster, and keep healthier when they have access to Sal-Vet. On Mr. Fell's liberal offer which you will find on page 13 of this paper it will surely pay you to rid all your stock of these pests at his risk. All you need to do is to send the coupon.

STALLIONS

Yes, stallion price cutter, that's what they call me, and I am proud of the title. I want to place one or more of my stallions or mares in every township, and I now have 60 head, another importation to be here this month, and I am going to slice prices on a grand scale. I will give the best of terms, and a cash guarantee. All my horses are registered in books approved by the government.

I want you to look at others' horses before you come and then it is up to me to make good to you what I say.

Remember if you come and look at my horses and don't say the price is right, considering quality, I will pay your expenses. Come and see me and I will assure you a bargain. Drop me a card when coming, and I will meet you at the train.

L. R. WILEY, EMPORIA, KANSAS

PERCHERON BROOD MARE SALE

At Whitewater Falls Stock Farm, TOWANDA, KAN., WEDNESDAY, MAY 29.

Write for Catalogue today.

Address, J. C. ROBISON, TOWANDA, KANSAS.

20 Mammoth Jacks For Sale

from 2 to 5 years. Big boned big black Jacks with white points. No better bred ones in the country. Several of them are prize winners. Been breeding jacks for 30 years. We make good our guarantee. Mention this paper and write or come to

Deierling & Otto, Schuyler Co., Queen City, Mo.

On Des Moines line of Wabash railway.

20 Good Big and Big Boned 20 MAMMOTH JACKS 20

Jacks from 2 to 5 years old, from 15 to 16 hands high, and a few imported and American bred Percheron stallions and mares for sale. Prices and terms to suit. Farm and sale barn on 21st street, one mile east of the Wichita Union Stock Yards. City office 136 North Market Street.

J. C. Kerr & Co., Wichita, Kan.



The Best Imported Horses One thousand each. Home-bred registered draft stallions—\$250 to \$650 at my stable doors. A. LATIMER WILSON, CRESTON, IOWA.

Home-Bred Draft Stallions \$250 to \$600; imported stallions—your choice, \$1,000. F. L. STREAM, Creston, Iowa.

FOR SALE

at all times, Percheron and German Coach Stallions, and good Jacks, among them one Imported Spanish Jack, a large one. My prices are right. M. C. CORLEY, ANTHONY, KANSAS.

Belgian and Percheron Stallions and Mares

Imported and Home-Bred.

For Sale at Attractive Prices.

Blue Valley Stock Farm Blue Mound, Linn Co., Kan.

THE KENTUCKY JACK FARM

Established, 1884

Breeder of registered mammoth Kentucky Jacks and Jennets—big bone; plenty weight. Forty head of three and four year old Jacks; also young stock for sale. Would be pleased to have you visit my farm for inspection or write for prices. I guarantee to please you. JOE. E. WRIGHT, JUNCTION CITY, KENTUCKY.

25 Mammoth Jacks, ALL AGES

registered and guaranteed. Some Kansas prize winners. Herd headed by Pharoah 2491, champion at Tennessee in 1910.

H. T. HINEMAN Dighton, Kan.

Biggest Jack Offering Ever Made

90 Day sale on 55 head of extra big registered Mammoth Jacks at 60 per cent of their value, priced from \$250 to \$1250 each. I am importing 200 Percheron and Belgian mares and 80 stallions and must close out a lot of jacks to get money and make room. Write for catalogue, photograph, description and price list. W. L. DeCLOW, Cedar Rapids Stock Farm, Cedar Rapids, Ia

40 HEAD BLACK MAMMOTH JACKS AND JENNETS.

Well bred, big boned good individuals. Jacks and prices are both right. J. H. SMITH, KINGFISHER, OKLAHOMA.

6-JACKS-6 From 3 to 7 years old, for sale very low. We raise them. W. H. BAYLESS, Blue Mound, Linn Co., Kansas.

PIKE COUNTY JACK FARM

Bowling Green, Mo. 60 Mammoth jacks for sale. Big, black, broke to work, 2 to 6 years old—MAMMOTH BRED. All will be sold on 1 to 2 years' time to responsible parties. Visit or write. LUKE M. EMERSON, BOWLING GREEN, MISSOURI.

BROWN SWISS CATTLE.

FOR SALE Brown Swiss bulls. Calves, yearlings, and one 5 years old. W.H. Liville, Prop. Lyndale Stock & Dairy Farm, Winona, Kas.

Greatest Offering in Stallions!

60 big boned heavy Percheron, Belgium and "Boulonnais" stallions, acclimated and ready for heavy service, at half their value. 2,000 to 2,400 lbs. Write for information and catalog.

W. L. DeCLOW, CEDAR RAPIDS, IOWA.



REGISTERED BAY PERCHERONS

40 HEAD All Registered in Percheron Society of America.

Stallions, Brood Mares, Fillies and Colts. Sale barns in town. Call on or write.

Dr. J. T. AXTELL, Newton, Kan.

Bergner & Sons' Coach Horses

65 HEAD 65 HEAD

What do you know about the Coach Horse? Do you want to know more about the Coach Horse?

German Coach Horses

are the best general purpose horse for the farmer. They have size, beauty, action, endurance and intelligence and mature early. They stand gracefully both hardships of usage and climate. Many a farmer does not know what a great farm horse the coach horse really is. Let us tell you more about him and you will want him. We are offering young stallions and fillies, also mares in foal to the imported Oldenburg Coach Stallion Mephistopheles 4221. Call on or write, J. C. Bergner & Sons, "Waldock Ranche," Prati Kan.

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Importers of Belgian and Percheron Stallions and Mares

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BIG BARGAINS IN REAL ESTATE

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

YOU WILL WANT our prices on wheat, corn, alfalfa and grazing lands before investing. Write for lists. Barley & Clark, Hill City, Kan.

BEST IMPROVED farms and best ranch propositions in Comanche Co., Kan., for sale at lowest prices. Call or write for particulars. Testerman Land Co., Wilmore, Kan.

NOTHING pays better than an investment in our "Great Arkansas Valley Irrigated Lands." We have just what you are looking for. Write W. L. Van Horn & Co., Garden City, Kan., for particulars.

BUTLER CO. SNAPS. 400 a. fine land, highly imp., permanent water, 120 cult., town 3 mi., \$40. 400 a., fine sheep ranch, permanent water, 80 cult., \$4,000 improvements, town 4 mi., \$30. V. A. Osburn, Eldorado, Kas.

Finest Stock and Grain Farm in Kansas. 320 a., only 5 mi. from Humboldt, Allen Co. Half in cultivation, 40 a. native meadow; 100 a. limestone pasture with running water. Good wells. Fine fruit. 3 roomed house. \$2,000 barn. It's a snap at \$50 per a. A money maker. **IOLA LAND CO., Iola, Kan.**

FORD COUNTY, in great wheat belt, best of soil, climate and water. **DODGE CITY COUNTY SEAT,** where we expect half million worth improvements this year and new R. R. running southwest. Have lands from \$12.50 to \$40.00 per acre, one-seventh cash, balance in seven equal payments. Co-operation solicited. **SANTA FE LAND CO., Dodge City, Kan.**

CASH SNAP; fine home ranch, 960 acres, 8 miles town, stone house, 4 rooms, other bldgs., good well and mill, 300 acres shallow water alfalfa land one body; by putting in pumping plant this land will be worth \$100.00 per acre. For 30 days can sell at \$11,000.00, with \$3,000 cash. Other farms at the owners' price. **BUXTON BROS., Utica, Kan.**

NEW LIST FREE Describing Anderson county farms, \$40 to \$60. Geo. W. Iler & Son, Garnett, Kan.

MCPHERSON COUNTY, KAN. Improved land \$40 to \$100. Write for particulars. A. W. Bremyer, McPherson, Kan.

550 BUYS IT. 160 acres, a relinquishment, some improvements, 8 miles from new townsite on Dodge City-Colmar cutoff. Ask no questions, but come on first train. Somebody is going to get it. **COONS & JACOBS, Plains, Meade Co., Kansas.**

BARGAIN. 120 acres, all choice land, well improved, very desirable, 2 miles out, \$60.00 per acre if taken within twenty days. 80 acres improved 3/4 miles out, \$40.00 per acre. Send for land list. F. C. LIBBY, Blue Mound, Linn Co., Kan. J. L. Wilson, Salesman.

COFFEY COUNTY, KANSAS. In heart of corn and tame grass belt. Farms and ranches \$20 to \$60. List free. **LANE & KENT, 3rd St., Burlington, Kan.**

80 ACRES ALFALFA LAND for sale. If interested write for list of ten 80-acre tracts near Salina. V. E. NIQUETTE, Salina, Kansas.

COMANCHE COUNTY BARGAIN. 320 a., 9 miles from Coldwater, 100 a. of sod wheat all goes, if sold soon. Price \$22.50 per a. C. A. HEATON, Larned, Kan.

FARM BARGAINS. Choice wheat and alfalfa lands in famous Medicine and Sharon Valley, \$25 to \$50 per a. J. P. DUNCAN REALTY CO., 712 Beacon Bldg., Wichita, Kan.

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

Kaffir Corn is King in Butler county, Kansas. Not a failure in 20 years. Alfalfa is Queen, with 33,000 acres. First in cattle and acres grazing land. Second in tons of prairie hay. Prices of land and general information on request. L. L. KISER, Eldorado, Kansas.

ALFALFA LANDS \$40 to \$50 ACRE

EAST END OF HODGEMAN COUNTY Very best bottom land, with running water, some timber. Excellent wheat land at \$20 to \$30 per acre. Come and see or write for list. **M. W. PETERSON, Hanston, Kan.**

DICKINSON COUNTY BARGAINS

We have many fine river and creek bottom land and also fine upland farms for sale. Good wheat, corn and alfalfa lands at reasonable prices. Write for lists. Mention this paper. **BRINEY, PAUTZ & DANFORD, Abilene, Kansas.**

An Ideal Ranch

1,120 acres, 7 miles from Goodland, the county seat of Sherman county Kansas; Two (2) good frame houses, splendid barn 42x40 feet, large cattle shed, two chicken houses, splendid well of water equipped with good wind mill; 200 acres in cultivation; 640 acres fenced with two wires; soil is a deep loam, suitable to all crops native to this zone. Every acre of this farm is smooth tillable soil; "no rough land"; shallow to water; irrigation can be established cheaply from the underflow.

This is certainly one of the most ideal farms in western Kansas. Owners are old and wish to retire. Price, for immediate sale only, \$15.00 per acre. Goodland is a thriving town of about 2,500 people, a division point on the Rock Island Ry., has fine schools and churches, where all of the environments of any eastern town are enjoyed.

E. W. SULLIVAN,

Box 777.

Goodland, Kans.

Grant County Kansas Land I have for sale nice smooth land, tributary to the new Santa Fe cutoff at from \$8 to \$11 per acre. Write for full information. **T. W. MARSHALL, New Ulysses, Kan.**

LAND! LAND! LAND! In Okla., Gulf Coast country and Kan. Prices low; terms easy. Exchanges made. **JABEZ F. BRADSHAW, Lenexa, Kan.**

Extra Fine Improvements 175 acres, 100 acres in cultivation, 40 acres in tame grass, 35 acres in wild grass pasture. Price \$55 per acre. Don't wait, come at once. **MANSFIELD LAND CO., Ottawa, Kan.**

WESTERN KANSAS LANDS Along new A. T. & S. F. Ry. 135 quarter sections in Stanton Co., \$1,280 each; 50 quarter sections in Gray Co., \$15 to \$20 per acre; 200 quarter sections in Morton Co., \$8 to \$25 per acre. Good terms. **BROWN & VERNON, Dodge City, Kan.**

Buy From the Owner Cheap I have a good half section smooth dark sandy loam, 10 miles from Hugoton, Stevens Co., Kan. Well and other improvements. Santa Fe R. R. building to Hugoton will enhance value. Price \$3,200. Will carry \$2,000 till Jan., 1914, at 7 per cent. This is your chance. **E. J. THAYER, Liberal, Kansas.**

DON'T READ THIS unless you want to make a good profit on a small investment. I have a proposition to offer that you cannot afford to let pass you. Level, well located residence and business lots in rapidly growing town. Prices \$12.50 to \$50, easy monthly payments. Write for particulars. **JOHN W. BAUGHMAN, Desk "G," Plains, Kan.**

Sedgwick County Farm Bargains 160 a. farm, large house, barn, orchard, good land, \$7,500. Terms on \$5,500. 320 a., two good farms, well improved, best of land, \$55 per acre. 120 a. farm, well improved, good land, \$50 per acre; \$1,000 cash, bal. long time. 40 a. tract, make fine chicken ranch, \$1,600. 80 a. valley farm, good improvements, 20 a. fine alfalfa, near city, \$80 per a., terms, **H. E. OSBURN, 227 E. Douglas, Wichita, Kansas.**

Do You Want Possession at Once 120 a. Washington Co., Kan., 65 a. cult., 35 a. meadow, bal. pasture, 5 room house, good barn, also other outbuildings. Small orchard. Good well, 5 miles from town, on rural route and telephone, lays rolling, but a money maker if you like cattle, hogs and poultry. \$6,250 will buy this farm if taken at once. Terms \$3,000 cash, bal. at 6 per cent for 5 or 6 years. Possession when papers are signed. **FRALLE BROS. REALTY CO., Bremen, Kansas.**

OKLAHOMA.

BEST FARMS in Oklahoma \$20 to \$50 per a. Write C. A. West, Miami, Okla.

EASTERN Oklahoma Indian lands. List free. Write F. S. Ashleman, Nowata, Okla.

EASTERN OKLAHOMA farms for sale by owner. All prices and sizes. Write W. A. Hancock, Pryor, Okla.

FOR PRICES and description of the best prairie land in eastern Oklahoma write T. C. Bowling, Pryor, Mayes Co., Okla.

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GOOD 170 ACRE central Oklahoma bottom farm; 8 miles from one railroad station, and 2 miles from new road to commence building soon; 115 acres in cultivation; fair improvements. Price \$6,500. **LAMBARD-HART COMPANY, Shawnee, Oklahoma.**

OKLAHOMA.

320 A. 1/4 mi. R. R. town, smooth, black, rich soil, in wheat, fine prospects, good water, good imp., \$50.00 per a. with 1-3 crop. **J. H. FUSSELL, (The Land Man), Medford, Okla.**

GOVERNMENT FARMS FREE—Our 1912 official 132 page book, Free Government Land, describes every acre in every county in the United States; contains township and section plats, Maps, Tables and Charts showing inches rainfall annually, elevation above sea level by counties, Homestead, other government land laws, tells how and where to get government land without living on it. Application Blanks, United States Patent. All about Government Irrigation Projects, map showing location of each. Tax laws of each state, other information. Price 50 cents postpaid, direct from publisher, **THE HOME BUILDERS, 508 West Main St., Oklahoma City, Okla.**

FIVE of the best high grade improved FARMS in the state of Oklahoma, at prices that will interest you. For prices and terms write **JAMES M. GILLETTE, Tulsa, Okla.**

120 ACRES 2 1/2 mi. McAlester, city 15,000, all bottom and second bottom. 40 acres cultivation. Balance meadow. \$40 per acre. Terms, 2,040 a., 10 per cent tillable. Good grass and water. Close to R. R. \$2.40 per acre. Other lands. Write us. **SOUTHERN REALTY CO., McAlester, Okla.**

FOR BEST FARM LANDS in Payne and adjoining counties, \$20 to \$50, write Ira Stout, Farmer's State Bank, Cushing, Okla. Map and list free.

TERMS TO SUIT. 160 a. 7 miles of Medford, 4 1/2 miles of R. R. town, 35 a. fenced with 3 ft. woven wire, in pasture, balance in cult., good orchard, small fruit, fine water and mill, 4 room house, large barn and sheds, 2 miles of school, some wheat. Good loose loam soil, good ALFALFA land. Write us for trades. **BATTEN REALTY CO., Medford, Okla.**

All About Oklahoma Send for my free book. **PERRY DEFORD, Oakwood, Okla.**

Oklahoma Wants You 500 choice farms for sale. Write for list. **Roberts Realty Co., Nowata, Okla.**

Indian Lands for sale, 300 choice farms, N. E. Okla., low prices. Easy terms. Perfect title. **E. T. TETER & CO., NOWATA, OKLA.**

GET A FARM ON PAYMENTS Oklahoma farm lands to actual settlers on time payments with or without any cash. List of 120 farms to select from. Write for list and prices. **JOSEPH F. LOCKE, Wynnewood, Okla.**

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.**

MISSOURI.

BEST farm bargains S. E. Mo. List free. **McHENRY REALTY CO., Piedmont, Mo.**

HEY, THERE! 160 a., 7 mi. out, \$10 a., terms, 3 mi. R. R. No trade. **Baker Realty Co., Mountain Grove, Mo.**

DAIRY, poultry, fruit, stock and timber lands, all sizes and prices. Write Ozark Realty Co., Birch Tree, Mo.

101 ACRES, 11 miles West Plains, county seat Howell Co. 85 acres in cultivation, balance timber and pasture. All fenced. Best of water, good six room frame house, shedded log barn, good orchard. One mile to busy inland town up-to-date. Price \$3,000.00, time on \$1,800.00 at 7 per cent interest. Cash only considered. Write **JAS. B. WEBB & CO., West Plains, Mo.**

BLUEGRASS FARM BARGAIN. Six hundred eighty acres, close to railroad town, fine farm, large house, many good barns, artesian water. Best bargain in Missouri for \$35.00 per acre. If you investigate you will buy. **J. E. WALTON, 222 South St., Springfield, Mo.**

CARTER COUNTY BARGAIN. 150 acres of good unimproved farming land, located 9 miles of Van Buren county seat of Carter Co. Fine pasture land, also fine for dairy and fruit farming; in fact you can raise almost everything raised in the North. Fine climate, good water, schools, churches. A bargain at \$10 per acre. Write **JOHN M. CARNAHAN, Van Buren, Mo. (County Clerk and Recorder, Carter Co.)**

FREE: "Homeseekers' Review" BEST LAND Journal Published Many big bargains. **WEST PLAINS REAL ESTATE CO., West Plains, Howell County, Mo**

ARKANSAS.

38 CHEAP farms for sale in White Co., Ark. Letona Realty Co., Letona, Ark.

CHEAPEST and best farms. Booklet free. **HOME DEVELOPING CO., Monticello, Ark.**

IF INTERESTED in N. E. Arkansas farm and timber lands, write for list. **F. M. MESSER, Walnut Ridge, Ark.**

160 A. creek farm; 40 cult.; bal. timbered; on Ry. Free stock range; house; barn; orchard; no rocks; white community; \$2,000. 1/2 down. **Robert Sessions, Winthrop, Ark.**

ARKANSAS.

BARGAINS in north Ark. Good valley farms and cheap dairy and grazing land. **Clayton & Wayt, Hardy, Ark.**

RED RIVER corn and alfalfa farms, \$20 to \$50 per acre; income \$50 to \$80 per acre. List free. **L. A. JUSTUS, Foreman, Ark.**

50 **BLACK LAND** farms, for cotton, corn and ALFALFA. No overflow. Ask for list and map free. **H. M. M'IVER, Texarkana, Ark.**

FOR des. literature, city props., Ark. and Okla. farm, fruit, timber and grazing lands, write **Moss, Hays & Co., Siloam Springs, Ark.**

15 S. E. ARK. farms for sale. Map of Drew Co., price list and booklet, giving full information upon request. **WELLS BROS. REALTY CO., Monticello, Ark.**

FOR FREE INFORMATION about Arkansas fruit and general farming land, at low prices, on liberal terms, write us. New list free. **Griffin & Wasson, Gentry, Ark.**

GO TO ARKANSAS where opportunity awaits you. Send for literature describing the best lands in the best county in the state. Write to **BERT J. MYERS, Immigration Agent, Headquarters at Riverton, Nebraska.**

160 A. **GOOD SOIL,** \$2,400. 1/4 cult., family orchard, 2 small houses, good well, spring and branch, school 1 mi., R. F. D., and tel. line 1/4 mi., on public road 6 mi. from Horatio, "City of Peaches." Best farm, fruit and stock section in state! **PORTER LAND CO., Horatio, Sevier Co., Ark.**

688 A., 2 mi. from Imboden. About 155 cleared and cultivated. About 100 bottom and valley. Bottom, upland and hill yet to clear. Fair house. Well watered. Make a general purpose and livestock proposition. \$15.00 per acre. For particulars write **J. L. M'KAMEY, Imboden, Lawrence Co., Ark.**

IT'S FREE. For booklet and price list Arkansas farms, write **Moore & Martin, Prescott, Arkansas.**

ARKANSAS LANDS. For fruit or general farming, at much less than their actual producing value. Fruit, berries and all staples grow to perfection. Land values are advancing rapidly. New list free. **COLLINS & HUNSAKER, Decatur, Benton Co., Ark.**

COME TO DECATUR, ARKANSAS. See us for bargains in fruit farms, grain farms, stock ranches. Also Okla. lands, good climate, water, soil, health and opportunities. We have land \$200 up. Don't fail to see us. Literature and list free. **FLEMING & WEAVER, The Land men, Decatur, Ark.**

CHEAP LAND, S. W. ARK. 40 acre homestead, 3 room house, well, etc., \$225. 90 acres on E. C. S. Ry., cut over land, \$6.50. 160 acre farm, five room house, well, 35 acres open, \$1,400. Fine second bottom river land covered with timber, \$12. **R. L. JOHNSON, Allene, Little River Co., Ark.**

FOR BARGAINS in Arkansas farm and timber lands, write **H. G. LONG, Hoxie, Ark.**

IF YOU WANT TO BUY ARKANSAS LAND Write S. C. Dowell, Walnut Ridge, Ark. Finest farming, timbered and rice lands in the state at lowest prices. No trades.

ARKANSAS FARM. 240 a., 6 miles town—40 a. in cultivation—house, barn, etc., \$3.50 per acre cash. **RINGLANDS, McALESTER, OKLA.**

ARKANSAS FARMS. 240 acres improved, \$3,000. 160 acres unimproved \$1,800. 40 acres improved, \$1,000. Every one a bargain. Send for my list and buy direct from owner. **J. G. HOWARD, Little Rock, Ark.**

SCOTT COUNTY, ARKANSAS, improved farming land, from \$10.00 an acre up. Raises big crops of fruit and all staples. Ideal country for stock raising. Also timber land for \$5.00 an acre up. New list free. **HUBERT J. HALL, Waldron, Arkansas.**

A HOME FOR YOU IN ARKANSAS. 80 acre farm, 25 in cultivation, 5 room house, barn and outbuildings—4 mi. from city, \$1,500.00. Easy terms. 800 acres cut over land, will make good upland farms. Some cleared land now in cultivation on tract. \$10.00 per acre. Easy terms. **Farms, Lands, Homes. 16 years' experience in Arkansas lands. REAL ESTATE DEPARTMENT, TEXARKANA TRUST CO., TEXARKANA, ARK. Colored map of Arkansas for 2c stamp.**

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.**

Scott County, Arkansas where land values are steadily advancing. Prices range from \$10.00 an acre up. Fine for fruit, stock raising and general farming. Get our new list. Mail free upon request. **SANFORD & SANFORD, Waldron, Ark.**

NEW YORK.

DO YOU WANT THIS GOOD BARGAIN? Farm of 49 acres, six room house, barn, running water to yard, fruit, one mile from school, three miles from markets and railroad town. Price, \$1,100; part cash. **HALL'S FARM AGENCY, Owego, Tioga County, New York.**

MINNESOTA.

LAND FOR SALE—I have some very good pieces of land which I can sell at from \$7.00 to \$10.00 per acre. Land with some improvements from \$10.00 up. This is a natural grass, grain and vegetable country. Potatoes yield from 125 to over 500 bu. per acre. We have a sandy loam with heavy clay subsoil. The majority of this land is well located and near good market. We have a good climate and good water, failures in crops never known in this section of country, as in other places. Abundant rainfall. If you are interested I would be pleased to give you full particulars. JOHN M'DOUGALD, Blackduck, Beltrami Co., Minn.

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RICH, productive, deeded land on railroad; excellent markets; schools; free range; lowest prices. Unequaled opportunity for home-builder or investor. Descriptive bulletin giving full par. Write at once to Bear River Valley Land Co., Montpelier, Idaho.

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TIMBER and farm lands, city prop. and mdse. Describe and price your prop. Ragsdale-Bland R. E. Ex., Shreveport, La.

MEXICO.

EVERY HEAR OF MACINESO, Mexico? Place of FREE HOMES and perpetual income. Everything guaranteed. J. M. Mason, Columbus, Kan.

MISSISSIPPI.

CHOICE FARM LANDS—Mississippi Gulf coast; grapes, oranges, pecans, truck; climate unexcelled; very healthy. Write W. A. Cox, Gulfport, Miss. Tell him what you want.

SOUTHERN MISSISSIPPI.

Ideal for general farming as well as oranges, pecans, truck, grape fruit, etc. Anything that you put into the ground here in this genial climate grows and produces abundantly. Write for list; land \$10.00 up. SOUTHERN LAND CO., Wiggins, Miss.

CALIFORNIA.

CALIFORNIA irrigated farms in the famous Turlock District. Land values guaranteed by the Federal Guarantee Company of Washington, D. C. For information and catalogue write to owners, THE B. W. MARKS COMPANY, 814 Trust and Savings Building, Los Angeles, California.

ARIZONA.

Make Your Home in Arizona where sunshine is perpetual. No cold winters. Abundance of irrigation water. No failure of crops. Correspondence solicited. HEALEY-CONRAD & CO., Phoenix, Arizona.

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COLONIZATION tracts, two to five thousand acres in rain belt. The Baughman Realty Co., Eagle Lake, Texas.

TEXAS.

FREE ILLUSTRATION literature describing land in the famous Texas mid-coast country. Smith Diebel Land Co., Victoria, Tex.

WRITE FOR FREE literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Texas.

10,000 ACRES, Lower Panhandle Texas—shallow water—Santa Fe territory—sold in 140 acre tracts if desired. Also improved farms in Mitchell county, line of Texas Pacific Railway. C. H. EARNEST, Owner, Colorado, Texas.

YOU WANT to come to the MID-COAST COUNTRY of Texas, where land is cheap. The climate is delightful; mild in winter, pleasant and agreeable in summer. Hundreds have made their fortunes here. It's your opportunity. "Come" or write. We will help you. B. E. Norvell, Bay City, Tex.

\$25 A., 9 ml. Bay City, Matagorda Co., Texas, 200 a. open land, bal. timber. \$25 per a. Other propositions. CASH REALTY CO., Bay City, Texas.

POTATO LAND.

7,000 a. Brazos Val. red shell alluvial soil. \$18. N. B. KNIGHT & CO., Houston, Texas.

FOR SALE OR TRADE.

Rich farm and ranch lands. In tracts of 100 to 140,000 acres. \$3 to \$100 per a. Good terms. Dryden & Moreley, Waco, Texas.

PROFITS IN GULF COAST LAND.

Wonderful production, large increase in value, an attractive home. Get our Free Booklets, "The Road to Prosperity" and "A Pointer on Where to Buy Land." Will send you free "The Gulf Coast Bulletin" for 6 mo. Write THE ALLISON RICHEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

Investigate This Before Buying.

1,500 acres of heavy black loam located within two miles of good railroad town. Ready for the plow and will sell in tracts of 80 acres up. Or will sell all at an attractive price. Write us for prices and terms. FERGUSON & POST, Iroquois Bldg., Victor, Tex.

COLORADO.

BEAUTIFUL Irr. farms, fruit, sugar beets, grain, alfalfa. Ordway Land Co., Ordway, Col.

320 A. homestead relinquishments, a few choice ones, fine land, last chance. Write us, National Inv. Ass'n, Akron, Colo.

FOR SALE—Ark. valley irr. alfalfa lands, most desirable climate; rd lands with water in West. Geo. R. Wilson, Lamar, Colo.

IDEAL twenty acre tract Western Slope, Colorado. Ten acres bearing orchard; ten acres potatoes. Must be sold account illness of owner. Full particulars by addressing Owner, P. O. Box 1056, Montrose, Colo.

KIOWA COUNTY, COLORADO, corn, wheat and alfalfa lands, \$8.00 to \$15.00. Homestead relinquishments \$250.00 up. A few 160 acre relinquishments under prospective irrigation. Folder and copy of homestead laws sent free. THE WESTERN REALTY CO., Eads, Colo.

BIG GOOD HMSTD. REL., SMALL MONEY. 400 a. near eastern Colo., abundant irrigation water 8 ft., raises all kinds of crops, great for cane; will keep 75 head stock year round; good improvements; all ready for spring work. Price \$1,500. No need of delay. E. L. PALMER, Laird, Yuma county, Colo.

ARKANSAS VALLEY IRRIGATED LANDS. Where alfalfa, wheat, oats, cantaloupes and sugar beets produce mammoth crops every year. We sell and exchange these lands. If you want a good home, or money-making investment, write McCauley & Mahoney, La Junta, Colo.

IRRIGATED ORCHARD LAND.

Our Highview Park orchard land is equal to the best. Our location is not equalled in Colorado. Our price is less than half what other like orchard land is selling at. Our terms are remarkably easy. We are selling orchard land for \$375 per acre, with a paid up water right, planted to orchard and cared for, for a period of five years. We give to the purchaser an absolute guarantee to replace all dead or diseased trees and to turn over to them a live, healthy orchard at the end of that time. Our land is so close to Denver that pickers and other help can be obtained quickly. Another advantage: Cooled apples can be marketed at the Denver canning and vinegar factory. Cold storage and shipping facilities at Denver are first class. We give seven years' time on deferred payments and they can be made monthly, quarterly, semi-annually or annually. Write us today. DENVER SUBURBAN HOMES & WATER COMPANY, Denver, Colorado. JAMES BUTLER, Eastern Representative, 1230 Fillmore St., Topeka, Kansas.

Avoid Drouth and Floods

Constant sunshine, abundant water supply, fertile soil, in the Pueblo Irrigation District, which adjoins Pueblo. Land at present, \$30 per acre, on easy terms. Low cost of water, payable during twenty years, commencing year after delivery. This insures a good crop before any payment on water is due. Investigate now before prices advance. Write for circular and maps. COBURN & MCCLINTOCK, Box 797, Pueblo, Colo.

Do Not Spend Your Life Praying For Rain

4,000 acre stock ranch. Close to Denver. To close estate must be sold at once. \$15.00 acre value, will sell for less. 160 acres. Ft. Morgan. Good water. Improved. \$50.00. 33 potato and beet sugar land. Greeley. Snap. HOLLOWELL, Land Man, 607 17th St. Denver, Colo.

COLORADO.

THERE IS MONEY IN STOCK. WE SELL RANCHES.

20,000 acre ranch to sell or trade best in the country. 1,000 acre irrigated farm all in hay and alfalfa. We are headquarters for small farms. Why wait? Lands will never be as cheap as right now. Write us your wants. SHIELDS-BEGGS LAND COMPANY, Fort Morgan, Colorado.

Want a Location?

Farm, city property or business anywhere, any place. For 15 cents you will receive a list of over 1,000 best bargains in all parts of the United States for sale or exchange. Give me a description of what you have or what you want. See how quick a deal can be made.

CARL M. COOK, Limon, Colo.

FLORIDA.

MORE NET PROFIT is produced from an acre of ground in Florida than in any other state in the Union. Railways and waterways compete in transportation. Excellent farm properties above water and below frost. Cheap land, but good land cheap. Write for our free descriptive booklet. A splendid proposition for live agents. Griffith & Evans, 646 Taunomee Ave., Kansas City, Kansas.

FLORIDA—10-acre tracts, finest prairie land, De Soto county, Florida; sacrifice price, \$18 per acre; monthly payments. C. E. Johnson, owner, Parsons, Kan.

FOR SALE—First class small hotel in one of the best new towns in Florida. Town growing rapidly and hotel on profitable basis netting \$100 to \$150 per month. Surrounded by beautiful young orange grove, rare opportunity. FLORIDA DEVELOPMENT COMPANY, Davenport, Florida.

Southern Florida Highlands

Below danger frost line; above high water line. Black, fertile soil. All-year growing season. Rail and water transportation. Proven Tropical Region in the heart of Florida. Large tract of prairie land that needs only the plow. Liberal proposition to right man as managers for territory. If you want the best, write for our proposition. Griffith & Evans 646 Taunomee Ave., Kansas City, Kansas.

Crops and Farm Work

(Continued from Page 7.)

Some of it is covering the ground. Many farmers have harrowed their fields to break up the hard crust.—Monroe Traver.

OKLAHOMA.

Washita County—Wheat shows fair prospects.—W. O. Appleby.

Alfalfa County—Wheat looks fine and is doing well.—J. W. Lyon.

Kiowa County—Wheat prospects are the best in four years.—Mrs. A. L. Henderson.

Ottawa County—Wheat is looking pretty good. Had a 2-inch rain last week and soil is very wet.—C. R. Jackson.

Dewey County—Wheat shows a condition of about 90 per cent. Fine growing weather with plenty of showers.—Wm. Liston.

Comanche County—Wheat at this time is promising an unusually heavy yield. Fine growing weather prevails and there is plenty of moisture in the ground.—Fred E. Wiersig.

Beckham County—Estimated condition of wheat is about 75 per cent here. Some was damaged by winter freezing. Ground is wet.—M. F. Spurlock.

Custer County—Stand of wheat shows about 90 per cent and condition of growth the same. Plenty of moisture in the soil and the weather has warmed up.—E. E. Baker.

Grady County—Present stand of wheat is about 75 per cent and prospects are that we will have 90 per cent of a crop. Acreage is about 60 per cent of normal.—Sam C. Heffner.

Tulsa County—Very little wheat was sown in this county. Some fields look well and others will be plowed up. Prospects indicate about 40 per cent of a full crop.—W. H. Booth.

Kay County—Wheat is doing well now. Hard wheat shows a condition of about 75 per cent, soft wheat 40 per cent. Some fields are being put in oats and corn. Heavy rains lately.—Shuman Jacobs.

Major County—Wheat on early prepared land shows 100 per cent stand and the growth is fine. Late sowings are smaller but the stand is good and prospects for a crop are excellent.—W. H. Rucker.

Grant County—Wheat in the south part of county shows a good stand, good color and is from 4 to 8 inches high. In the north part the crop is poor. The county will average perhaps 65 per cent in condition.—A. C. Craighead.

Beaver County—Wheat shows a condition of about 95 per cent as against 60 per cent at this time last year. Acreage is about 10 per cent smaller than last year. Snow held the crop back but did not damage it.—M. E. Edwards.

Washington County—Wheat prospects are very discouraging in this section. Upland fields are badly frozen out and will not average more than 50 per cent of a stand. Bottom land fields show up a little better and will probably average 75 per cent of a stand.—J. M. Brubaker.

Texas County—Only about 70 per cent of a wheat crop was sown last fall and 95 per cent of this is now O. K. The loss of 5 per cent is due to blowing. Rains the last two weeks have softened the crust so that the crop is making a fine growth. Much stock still being pastured on wheat fields.—F. Free.

Cattle of all sizes and ages are bringing almost unheard of prices on the markets these days. But the good dairyman will not be tempted to part with any promising heifers.

FOR SALE OR EXCHANGE

GROCERIES and merchandise for farm. Other trades. F. Gass, Joplin, Mo.

BUY OR TRADE WITH US—Exchange book free. Bersie Agency, Eldorado, Kan.

WRITE FOR LISTS, sale or exchange. The Eastern Kan. Land Co., Quenemo, Kan.

FARMS for sale or trade. We match trades. Ed Ruckman & Co., 807 Schweitzer Bldg., Wichita, Kan.

IF YOU WANT to buy or trade for an Arkansas valley farm, write to or call on C. L. Seeley, La Junta, Colo.

WE WANT stocks, residences, and farms listed for exchange. Write for listing blank. Cassoday Realty Co., Cassoday, Kan.

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, Kan.

FARMS AND MERCHANDISE for sale or exchange. We match deals any size, any place. United Land Co., Wichita, Kan.

NINE ROOM house, Lawrence, Kan., 5 room house Neosho Rapids, Kan., trade for W. Kan. land. Lock Box 39, Quenemo, Kan.

HUNDREDS of bargains in improved farms, located in 20 states. Sale or exchange, list free. W. P. Burrow, Warm Springs, Ark.

FOR SALE OR EXCHANGE—Good wheat and corn lands. Describe and price your proposition. Jess. Klsner, Garden City, Kan.

FOR SALE OR EXCHANGE—Irrigated or unirrigated eastern Colorado lands at reasonable prices. Andrew Townsley, Holly, Colo.

HARDWARE OR IMPLEMENTS wanted for good Mo. or Kan. farms. What have you? H. C. Butts Land Co., Carrollton, Md.

FOR SALE—3 1-11 a. land, good improvements, suitable for raising chickens, at Dundee, Kan., would trade for southwest Kan. land. JOB BRADA, Great Bend, Kan.

I HAVE two good farms, close to Wichita, and want to trade one or both for a good hardware business or lumber yard. Address I. S. Woodward, Box 887, Wichita, Kan.

FOR MDSE. OR KAN. LAND. 160 a. San Luis valley, Colo., irrigated, all in cult. Price \$125 per a. KANS. INVESTMENT CO., Wichita, Kan.

ONE of the best businesses in Hutchinson to trade for land or city property worth the money. 1,800 acre stock ranch to trade for land or city property. B. M. MURPHY & CO., Hutchinson, Kan.

FOR SALE OR EXCHANGE—80 acres valley farm land, 3 miles from Lamar, under Amity Canal, shallow to water, charter on three small ditches, 10 acres plowed, adjoins A. V. R. R. Fenced on three sides. A. J. PARSONS, Lamar, Colo.

COME to Meade county and buy a home; no place offers better inducements; no county in state of Kansas has better water, soil or climate, and everything considered, none can compete with us in prices. Come and see us or write for further information. Exchanges considered. Marrs & Day, Meade, Ka.

28 FARMS in Howell county, Mo., for sale or exchange. Crop failure unknown. Mild, healthy climate. In the famous corn and fruit belt. Abundance of pure water. South-east end of the Ozarks. Cheap unimproved land on long time. Correct description and perfect title guaranteed or car fare refunded. Write us your wants. OAKS REALTY CO., Box 131, West Plains, Missouri.

175 a. farm, Howell Co., Mo., 90 a. in cult., al. good timber, good apple and peach orch., some berries, 4-rm house, other outbuilds. Plenty good water, 2 ml. town. Will sell \$50 a. if sold soon. Half in good rental property, some cash, terms 1 bal. IOWA, MISSOURI & KANS. LAND CO., A. P. Cottrell, Mgr., Pomona, Mo.

TRADE 440 acre ranch in Chase Co., Kan., 150 acres cult., \$10,000 improvements, well watered, 5 miles good town, 1 ml. school, price \$35 per acre. Want 80 to 160 near good eastern Kansas town. KLOTZ & HOEL REALTY CO., Cottonwood Falls, Kan.

FOR SALE OR EXCHANGE. Corn, wheat and alfalfa land and city property. SOUTHWEST LAND CO., Newton, Kan.

EXCHANGE FOR MDSE. OR HARDWARE. 480 a. good smooth land in south central Kan. Owner, H. C. Whalen, Wichita, Kan.

8 DAYS OF LAND BARGAINS EXTRAORDINARY OPPORTUNITY FOR FARMERS AND REAL ESTATE DEALERS TO BUY, SELL OR EXCHANGE

From May 12th to 19th inclusive, the Topeka Daily Capital will have a Special 8-Day Farm Flyer—3 Sundays included—and will advertise steadily to its readers the fact that there are exceptional farm and land offerings listed during these 8 days. The Capital has a circulation of over 24,000, and this is a good live circulation which goes to the very best people in Kansas, and who are looking for just what you have to offer, or will sell at your price just what you want to buy.

For the eight days, three inches will cost you only \$12.96, two inches \$8.64, one inch \$4.32; 40 words \$2.40, 30 words \$1.80. Six cents a word for the eight days. The above are special rates, and good only for the 8-Day Flyer. Send your ad today to the Topeka Daily Capital, Topeka, Kansas.

TEXAS BARGAIN. 320, near coast, fine land, near town. Would consider small improved farm, or residence, as part payment. Easy terms on difference. Write D. W. GRANT, Palacios, Texas.

FOR SALE OR TRADE. A GOOD CREAMERY, located in a large town. Almost new. Also a good threshing outfit to trade for land. Also some fine irrigated land in the Laramie valley, Wyoming, to trade for Kansas farms. W. J. TROUSDALE, Newton, Kansas.

WANT FARM LAND. \$4,500 stock of merchandise located in good Kansas town. Some groceries. \$10,000 stock of hardware doing good business. \$15,000 merchandise stock located in good Missouri town. Doing good business. \$18,000 stock of merchandise and building in Missouri. Good cash business. \$60,000 mercantile business. One of the best locations in Kansas. Doing an excellent business.

J. M. DAVIS & SON, \$619 New York Life Bldg., Kansas City, Mo.

For Sale or Exchange

Good rich tillable land in Oklahoma. R. T. WRAY & CO., Tyrone, Okla.

THRESHING OUTFIT

for sale or trade. \$12,000.00 general merchandise stock for good land. Autos a specialty. OWNER'S SALE & EXCHANGE, Independence, Kan.

For Sale or Trade

for picture show or restaurant, or racket stock, 20 acres of land joining the town of Amalga, New Mexico. Subject to irrigation, and all can be thrown into town lots. Price \$2,000 clear. GEO. MANVILLE, Holton, Kan.

Do You Wish to Swap?

If you write us fully first letter what you have and what you want. We match 'em. Also some farm snaps for cash. OAKLEAF & HILL, Cherryvale, Kan.

To Exchange For a Good Farm

General stock of merchandise, clean and up-to-date, in Carroll Co., Mo. Two-story building, stock and property valued at \$16,500. Submit propositions to WILSON & RESSELL, Colony, Kansas.

240 Acres of Irrigated Land

close to Alamosa, Colorado. Will soon be in the city limits. Price \$100 an acre. Also \$2,000 worth of city lots in Oklahoma City. Will take gen'l mdse. or hardware store, not exceeding \$20,000 to \$24,000. STEVENS & RUBY, Stockton, Kan.

By Express.

"Four dollars," the expressman said. As he the package laid. Before the man, who looked at it. Then cried: "Why; it's prepaid; Now, why should I give up four bucks When nothing more is due?" "Just listen," the expressman said, "And I'll explain to you.

"Upon a package of this size Four dollars is the rate; That is, when it comes to you, sir. Directly, quick and straight. It should have come from Baltimore To New York on one train. But by mistake it reaches here By way of Bangor, Maine.

"So, though the package is prepaid, Four dollars more are due. It is for extra mileage, sir. We take this sum from you. 'Tis very sound, and very plain; You see it now, I guess. So much a mile all goods must pay When they go by express."

—New York Express.

Control of Soil Drifting

BY A. M. TENEYCK,
Supt. Hays Branch Experiment Station of
Kansas Agricultural College.

[Written for Farmers Mail and Breeze.]

Western Kansas experienced a severe wind storm, Sunday, April 14, which I believe has done a great deal of damage to late wheat and spring grains, also blowing away much soil. All day, the sky was filled with thick clouds of dust which obscured the sun. On sandy or exposed fields, the drifting soil cut off the young plants and swept away the loose earth, exposing the roots. In other places the soil lodged, covering up the crop or making drifts along fence rows often several feet high.

Little damage was done on the Experiment station farm. Our wheat had all made a good start and protected the ground, also most of it had been harrowed or packed. None of the listed fields were damaged. The soil started in two listed fields, in several exposed or mellow and more sandy places, but the drifting did not spread much because the furrows caught the drifting soil. One listed field on bottom land, which drifted worst, was pastured with horses part of last winter, and the places where the horses trampled most, and pulverized the soil, showed the worst effects.

Harrowed Fields Suffered.

The storm was preceded by two other very windy days, and the soil had already started in places, before the third day when the wind was most severe. During the previous days the wind blew from several directions, shifting from southwest to northwest, but the severe storm on Sunday was from the northwest.

The most damage done at this station was in a large field of more than 90 acres which had been seeded to alfalfa this spring, and the alfalfa was just coming up nicely. This field was summer fallowed in 1911 and was left during the winter in a shallow furrowed condition by cultivating with the corn cultivator. The harrows were started on this field April 2, as soon as it was dry enough. It was harrowed once, riding the harrow, which leveled the surface. The harrow was followed with the press drill seeding the alfalfa. This left the ground slightly furrowed but quite finely pulverized. The later harrowing was more cloddy.

Checking the Drifting.

Drifting started in this field near the east side, and rapidly spread in the shape of a fan, the area growing wider and reaching back farther into the field every moment till it was checked by cultivation. Sunday morning at 7 a. m., the drifting area was 2 or 3 acres in extent. An hour later when teams and cultivators reached the field it had spread over 6 or 7 acres. By starting on the side toward the wind, at the apex of the angle, and cultivating the drifting area across the wind, the drifting was stopped in about three hours with two four-horse 12-shovel corn cultivators with middle shovels of each gang removed, with a loss of only about 8 acres of the newly seeded alfalfa. If the drifting had developed further back in the field a much larger area would have been lost.

Cloddy Ground Not Affected.

I observed also, that ground, which was harrowed after the crust was an inch or so thick and which was left in small clods and not finely pulverized, was not at all affected by the wind. One field which is quite inclined to drift was cultivated with the spring-tooth harrow which left the ground more cloddy

and less finely pulverized at the surface than the common harrow. This field showing no signs of drifting. I conclude therefore that a cloddy surface—small clods one half as large as your fist and smaller—is much preferable to a finely pulverized surface in a soil-raising gale.

One other observation: The field which was plowed with the deep-tillage plow had started drifting in a sandy exposed place earlier in the season, but the dangerous part of the field had been cultivated into listed furrows before the storm. This field did not drift Sunday, but I am certain that it would have drifted badly except for the furrowing with the lister.

A Peril in Plowing Loose Soil.

I have also learned this lesson: That plowing a soil, which is inclined to drift, so deeply, as we did this field last fall (12 to 14 inches), is a dangerous thing to do in western Kansas. If this soil had remained loose and dry, and we had not had the heavy snows last winter, which melted and saturated this loose soil with moisture, it might have blown away to the depth it was plowed and ruined not only this field but the fields adjoining. I doubt even if listing would long hold dry, loose soil, because when the wind was blowing the furrows would fill almost as rapidly as they were made. I think there is a place for the deep-tillage plow in western Kansas farming, but it must be used with care, and we must learn better how and when to use it. For clayey or "gumbo" soil this deep loosening is going to prove very beneficial, but very deep loosening is hardly necessary on loam or sandy loam. Listing is for such soil a safe method and may give as good or better results so far as storing and conserving soil moisture is concerned.

Wheat Damage Further East

BY A CORRESPONDENT.

Mr. Editor—Wheat has seldom looked so unpromising at this time of year in northern Ohio. When the farmers came to sow their clover seed in the wheat fields they were surprised to find acres and sometimes whole fields entirely dead. The plants were not heaved out but frozen in the ground. All late sowings were killed out by the first hard freeze November 13, last. On account of heavy rains at sowing time last fall the acreage was considerably reduced. This and the loss by winter-killing makes it doubtful if more than one third of an average crop will be harvested. We are having warm weather now (April 15) but no plowing has yet been done and no oats sown on account of heavy rains. Many farms were sold last winter and spring at from \$75 to \$125 per acre.

E. P. Snyder.

Huron County, Ohio.

Early Cultivation of Corn

BY O. G. ROBERTS.

[Written for Farmers Mail and Breeze.]

Just as soon as you see the corn coming up you may be sure that some of the weeds are coming up, too. That is the time to get on the ground with a harrow and keep at it until the plants are large enough to cultivate, then keep on cultivating until the crop is too large for that. That is my idea of the right way to cultivate corn. If you want to put the ground into wheat next fall, hitch a horse to an old mower wheel, put a boy on the horse's back and start him through the corn rows some time after the last cultivation. This covers up a good many chinch bugs, firms the seedbed for your wheat and holds the moisture in the ground. Some of your readers may object to my writing on this subject since I do not live in the corn belt. But we raise some fine corn out here too.

Deer Park, Wash.

Hog Cholera Loss 46 Million

A GOVERNMENT ESTIMATE.

The governments' Crop Reporter for April estimates the losses of hogs last year by disease to be nearly 90 head in every 1000. This is the heaviest loss for any year since 1896 when the reported average reached 127 per 1000. Losses of hogs last season were heaviest in Illinois, 215 per 1000. Estimating the total number lost at 5,834,450, and the value per head at \$8, the total money loss was about \$46,675,000.



Why Plow with Dull Shares?

You wouldn't use a dull razor. Why burden your team with dull plow shares?

Ordinary soft center shares when sharpened by the blacksmith are not re-hardened. Why? Because he is cautioned against it by the manufacturer—he can't afford to take the risk.

ACME SOFT CENTER STEEL SHARES can be re-tempered any number of times, any place that fire and water can be found and at our risk. Both user and blacksmith are protected by



CAN'T BREAK THE ACME

OUR GUARANTEE

Acme steel hardened shares, shovels and shapes are warranted not to break under any condition where plowing for crop is being done. Shares guaranteed against breakage under same conditions of usage after blacksmith has drawn the temper, sharpened, heated to a cherry red and re-tempered same. Acme shares are guaranteed to wear as long as any other soft-center steel shares made.

By re-tempering, you get hard shares—hard shares wear—retain their sharp edge—reduce the cost of plowing per acre. "Acme Shares Don't Break."



ONE BLOW BREAKS OTHERS

Note the difference in these photographs between Acme Shares and others. Mr. Farmer—why not have the perfect Acme Shares on your plows? They cost no more than others and think how much more they are worth to you. Where can you get Acme Shares? On Moline Plows only—The best plows in the world—The best made, the best balanced, the easiest to handle. The "Best Ever" Sulky and Gang Plows are made of carefully selected materials, in a factory making only high-grade implements. Positive wheel control—perfect scouring qualities—light draft and many other strong features in addition to the Acme Steel Shares and Moldboards which place Moline Plows in a class by themselves.



Write today for FREE FOLDER on Best Ever plows, also Acme booklet.

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Dept. 15,
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The "Best Ever"



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A vanished thirst—a cool body and a refreshed one; the sure way—the only way is via a glass or bottle of

Coca-Cola

Ideally delicious—pure as purity—crisp and sparkling as frost.

Free Our new booklet, telling of Coca-Cola vindication at Chattanooga, for the asking.

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THE COCA-COLA CO.
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