

THE FARMERS MAIL AND BREEZE

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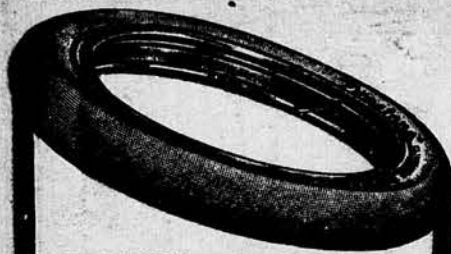
Number 9



A Good Ear on Each Stalk, Three Stalks in a Hill, is a Big Crop, But Read What Hatch Says, Page 6

ONE thing we Kansas farmers are waking up to is that we must plant more protein-making crops in order to save on feed. These protein-makers are nearly all soil improvers, also. One of these is the soybean which has a feeding value in excess of cottonseed meal and may be planted as late as mid-summer on most any land that will grow corn. Be sure to see our Coburn article on the soybean. It's coming next week.

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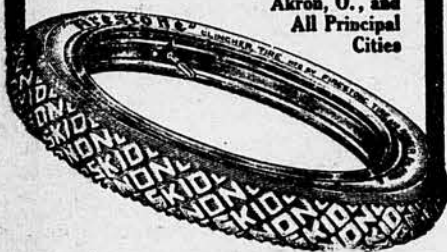
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What Farmers Are Thinking

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

A Suggestion For Sheep Men.

Mr. Editor—There have been many articles and letters telling what a great thing sheep are to the farm, how they clean up the weeds, how they never die in debt to their owner, etc. But I am inclined to think the trouble with sheep raising in Kansas is that we don't know enough about them, what time of year to breed them, how old a lamb should be before being docked or castrated, how this should be done, how to shear, how and when to sell the wool, how and where to market six or eight lambs, how to care for and feed them on the ordinary farm, and so on to the end of the chapter. If some man, who has had practical experience in handling a few sheep on an ordinary farm, would tell us how he feeds, cares for, and houses them, many more farmers would be keeping a few sheep on the farm.

Elmdale, Kan. C. D. Wood.

Interests Farming the Farmer.

Mr. Editor—It seems to me that the farmers of today are no better off than so many day laborers. A set of men in Elgin, Ill., set the prices on our cream and butter; another set fixes the price of grain, and everything a farmer produces seems to be controlled somewhere by a set of men who are living off the producer and consumer. Now comes a set of men who say farmers are losing millions yearly by not having better roads. Their motto seems to be, "We will do the boosting while the farmers pay the bill, because it is for their good." They are taking a great interest in the welfare of the farmer but when you or your family are on the road they expect you to give them the right of way.

Ottawa, Kan. J. B. Matteson.

The Best Man for Governor.

Mr. Editor—I think Arthur Capper is the man for governor and I will do all I can to see him there. He has made a good start in this world and has done it honestly, and we have been at his office and got acquainted with some of the kind of men that he hires. They are all good, friendly, honest appearing men, and he says he is going to have the same kind of men to handle business for the state. Mr. Capper has always been honest. So we surely can trust him to look after our great State of Kansas. Don't worry: Capper will be our next governor.

Frank L. Kidd.
R. F. D., Topeka, Kan.

Do Schools Give Value Received?

Mr. Editor—In a recent issue of Farmers Mail and Breeze, the question was asked: "Are we getting full value for the money spent on our school system?" I don't think we are. I would cut off some of the expense in the Barnes high school provisions. If the cities and small towns must have high schools let the districts in which they are located provide the means. In place of helping to support these high schools let us turn this support to our rural schools.

Another thing I cannot understand is why the high school "joker" was slipped into the teacher's certificate. Many young people from the country cannot afford the expense of attending a high school. I should like to have someone explain why a pupil with the natural ability to teach and govern a school cannot acquire sufficient knowledge in our rural schools to teach in such a school? Some of our best teachers started in just that way.

Ozawkie, Kan. J. F. Mullendore.

Working for Wages vs. Farming.

Mr. Editor—I was raised on a farm but went to town and made cigars for 15 years. In 1893 I made the race for a claim in the Cherokee Strip, got one and am still living on it. While in town my

needs had to be governed by what I earned and my wages barely covered expenses. So when I came here I was broke, had no stock, no implements, times were hard, wages low, and work scarce.

I got hold of some young stock, the calves grew into cows, the pigs to hogs, the colts to horses, and in nine years I had my place well stocked. Then our claim shack costing \$45 gave way to a well built farm home. Of late years my hobby has been corn and hogs. I do my own shipping and have always topped the market.

Our school district is 3 miles square and of all that came here in that memorable race for homes only seven are left. Of those who have left us, 70 per cent have moved to the cities where they buy watered milk, stale fruits, and vegetables.

E. C. Shimp.
Braman, Okla.

Why So Many Scrub Horses?

Mr. Editor—It is sad to see our farmers paying so little attention to the breeding of their mares and the indifferent horses that are resulting from it. We take more pains to keep up our breed of chickens than we take with our horses. Here we have a fine, high spirited Coach mare bred to a clumsy, good natured Clyde or Shire stallion and the colt resulting from it is neither. Bred to a purebred Coach horse the mare would have brought a fine colt of high spirit, quick of action, and not a mongrel. Purebred colts are more easy to break and to handle, cost no more to raise, and sell with little trouble at high prices. It is from the mongrels that we get our ba'ers and kickers, the nervous kind that rear and pitch and run away whenever the chance offers.

Always breed a young mare the first time to one of her own stock for sometimes the first breeding will show in succeeding colts. I had a full blood Morgan filly that had a mule for her first colt and afterward was bred to a pure Morgan stallion. Two of the colts by the Morgan horse showed the stripes and mule-like ears.

Charles B. Corbin.
Hartford, Kan.

Kansas Needs Fish Ponds.

Mr. Editor—In a recent issue of Farmers Mail and Breeze I noticed some kicking by a correspondent on the appropriation for a fish hatchery in Kansas and the statement that if fish could live in still water they would not be fit to eat. I never ate any better flavored fish anywhere than those from the fish ponds located on the Rankin farms in Sangamon county, Illinois. These ponds are fed by surface water and during a half of each year there is little or no water going into them. They were made with teams and scrapers and none of them is on a stream. We had fish from them the year round and on seining three ponds one spring we took out 2 tons of fish. We had buffalo weighing as high as 5 and 7 pounds, thousands of catfish at 2 to 4 pounds, bass, sunfish, etc. Later we turned loose 3 buckets of Uncle Sam's carp and in a few years had raised carp by the wagon load.

If every quarter section of land in Kansas, Nebraska and Oklahoma had a pond of about 3 acres and the rest of 10 acres in hardy timber trees, more could be raised from the remaining 150 acres than the whole quarter produced before. If land is too level to get water otherwise, scoop out a reservoir on some high point to make irrigation possible and put in a few wells and windmills, or install a gasoline engine. If in doubt as to whether the soil will hold water, turn in a bunch of cattle or horses to puddle it after some water has collected in the basin. When the bottom gets thick like putty take them out.

G. M. Rankin.
Gifford, Ida.

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THE FARMERS MAIL AND BREEZE

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HOW NEBRASKA FARMERS MARKET THEIR CROPS

BY C. VINCENT

*One of the Leaders in the Co-operative
Elevator Movement in Nebraska*

Written For Farmers Mail and Breeze

IN A WESTERN town, Mr. Johnson—but that was not his name—sold a load of wheat one morning for 60 cents a bushel to the local grain dealer. About noon there drove into town a farmer with an ox-team pulling a load of equally good wheat. His appearance, perhaps, suggested to the grain dealer that the wheat had to be sold and that he could get it at his own figure. When this load was pulled on the scales, the price offered was only 35 cents. The owner was dumfounded, but had enough presence of mind to drive off and think a little. Later he found the man who had sold his wheat for 60 cents. Mr. Johnson told the new arrival to drive to another part of town. A few hours later he took his own horses and hitched to the wagon of the ox team's owner and driving around came in from the direction of his own farm selling the load to the same dealer for 60 cents and saving the man with the ox team 25 cents a bushel.



C. Vincent, a leader in the movement for co-operative elevators in Nebraska.

It would be unfair to assume that such conditions were universal, but the profits of grain handling were so great, at this time, that the owner of a \$3,000 plant would not sell for three times the cost when he could make the plant earn itself or perhaps double the investment each year of a good crop.

Twenty years ago—and to a somewhat less extent 10 years ago—there were abuses so appalling in the handling of grain that the farmers' elevator movement grew almost spontaneously. There are now nearly 1,000 farmers' elevator companies in the six states of Illinois, Iowa, Minnesota, North Dakota, South Dakota, and Nebraska and it is believed that Kansas can add 150 companies to the list.

In the organization of the only farmers' company in Nebraska, owning and operating more than three elevators, when application was filed for the first site, the letter was not answered by the railroad company. A second block of stock was sold, sufficient to build a second elevator, and another application was filed for a site. Again the letter was unanswered. The sale of stock was pushed in a third locality, and enough was subscribed to build and operate an elevator, and a third application was filed—this time the filing of the former applications was recalled and the letter was registered. The railway officials immediately sat up and took notice. Then they undertook to "bluff" the company into agreeing to spend an unnecessary amount in building—sought to compel them to agree to the construction of 20,000-bushel elevators in localities where an elevator of 15,000-bushels capacity or less would be ample. Fortunately a joint effort had been made in the preceding legislature and a law was on the books requiring railroads to furnish sites to any farmers' company that was able to build an elevator of 15,000 bushels capacity. The farmers had a copy of the law and the "bluff" failed—the sites were secured.

That was seven years ago. This company now has a string

Besides the profits made annually for their stockholders, it is estimated that Nebraska's 180 farmer elevators have enabled all the farmers in that state to obtain an average of 5 cents more per bushel for their grain. And the man who has done yeoman's service in the movement from the first is C. Vincent of the Beal-Vincent Grain Company, Omaha. At the present time this firm sells grain for a number of these elevators on the Omaha exchange.

One thing Kansas needs is a better law for co-operators. In a later article to appear in Farmers Mail and Breeze James Butler, one of the Kansas pioneers in this form of co-operation, will point out the faults in the Kansas law and suggest amendments for its betterment.—Editor's Note.

of farmers' elevators under the management of a single board of directors with an office in the terminal market, and customers in every direction within easy reach by telephone and telegraph, where they can be protected by prompt action when the market is adverse.

However, the farmers' elevator movement, as a whole, may best be described as a movement without organization. At present it has this weakness:

With rare exceptions, these companies are not represented beyond a radius of a few miles of their respective localities and are not allied with one another and working together. They are therefore competing with one another, and each is "bearing" the market, although at times they should be united in supporting the market, and could so unite to mutual advantage.

The conditions under which the farmers' elevator movement grew occasioned many mistakes. No state then had a law recognizing the business principle and practices of co-operation. Companies were compelled to organize under the general corporation laws and either abandon their co-operative ideas or assume a great risk in attempting to operate in disregard of the laws regulating business transactions between citizens. The usual corporation laws do not recognize any power to select members, but give to any person the rights of a stockholder—no matter how he came in possession of the stock. Neither does the old law recognize any restriction upon the voting power of the stock. Regarding the distribution of the earnings, the old laws require the distribution to be made pro-rata on the stock. This sometimes causes contention and tends to destroy the fraternity of feeling that has grown up in the company, and which would continue under a co-operative distribution of the earnings.

To illustrate: Suppose a farmers' company is operating in a large territory and is blessed with an unusually abundant crop, of good quality. At the end of the season there is enough money in the "profits" to pay 50 per cent, (and cases are known where the earnings were 100 per cent on the capital actually invested, when an unusually large crop was handled.) This would be most acceptable to the retired farmer who marketed no grain, or to the merchant or other town residents who took a share out of good will to a home concern, but it would not suit the farmers who furnished the grain on which the profit was made. They would say the

per cent of profit was unreasonable and insist that all the stock be paid a reasonable interest and that the surplus profits either remain in the treasury or be paid back to the stockholders in proportion to the business furnished to the elevator, from which the excessive profit came.

The new Nebraska law protects co-operators in all these points, specifically conferring the power to regulate the terms of transfer of stock, and the number of shares that may be held by one person. The new law defines a "co-operative" company as one that "authorizes the distribution of its earnings, in part, or wholly, on the basis of, or in proportion to, the amount of property bought from or sold to members, or of labor performed, or other service rendered to the corporation."

Illustrative of the benefit to the individual stockholder in a co-operative elevator company, is the following taken from actual experience at a station in central Nebraska: The investment at this station was less than \$5,500, and three years ago when the crop was large and in good condition so that there were no losses in placing the grain on the market, the profits of the company were very nearly \$3,000, or 55 per cent on the investment. Of course, such profits are not always made. It is only when the crop is unexpectedly large, and the losses few, and the management economical that it is ever to be expected.

(Continued on Page 8.)



FARMERS' ELEVATOR AT ROSALIE, NEBR., A MODEL COUNTRY ELEVATOR

The Farmers Mail and Breeze

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

FLORIDA AND THE EVERGLADES.

During the past two or three years the attention of the people of the United States, especially of the northern states, has been called more to the state of Florida and especially to that portion of it known as the Everglades, than to any other part of our national domain.

Land companies almost innumerable have been organized for the purpose of selling Florida lands. Enticing word pictures have been drawn by capable advertising writers, setting forth the marvelous climate of the peninsula state and its, almost miraculous powers of production.

Influenced by this persistent advertising campaign, people from all parts of the United States and for that matter, from all parts of the world, have invested their money in larger or smaller sums in Florida lands, and perhaps more than any other part of Florida the region known as the Everglades has attracted outside capital.

In the state of Florida the Everglades have become a burning political issue. The department of agriculture has been drawn into the controversy and even the venerable head of that department has not escaped censure. As in the case of all heated controversies both sides have taken some extreme and untenable positions. On the one side the defenders of the Everglades, including of course the persons interested in selling these lands at a profit, proclaim this vast and in part still almost unexplored region, as the most fertile and most favored portion of the earth's surface where every prospect pleases and where certain rewards, such as have never been equalled in the history of agricultural development, await the most moderate efforts of the settler.

On the other hand, the opponents of the Everglades assert that this region is simply a wild waste of saw grass, cypress swamps and water, inhabitable only by crocodiles, snakes, loathsome lizards and other aquatic life and by the fisher heron, the bittern and other water fowl.

At the present time the most bitter political contest in the state of Florida is over this question. Congressman Clark, who has sat for several terms in congress, represents the anti-Everglade faction and is being bitterly fought for renomination by the defenders of the Everglades. When Clark spoke at Lauderdale, a new and flourishing town at the mouth of the New river, I am told it was only the wiser and more conservative citizens of the town that prevented the crowd from assaulting the congressman with hen fruit in a more or less advanced state of decay.

Two Everglade enthusiasts contested with Clark in the preliminary primary for the congressional nomination. No one had a majority of the entire number of votes cast at the first primary and now the struggle is on between Clark and the high man of his two opponents for the final primary.

Clark's opponents believe that they will defeat him, but he has this advantage, a great many of the dwell-

ers in the Everglade region are new settlers and ineligible to vote while Clark gets his strength from the northern part of the state where the population is made up for the most part of old timers who are not especially interested in the development of the Everglades and who have been made to believe that the development of this new region is going to add to the burden of state taxation.

Now between the two extremes of the rabid pro-Everglade crowd and the rabid anti-Everglade crowd lies the truth.

A few weeks ago the plan originated, I do not know exactly where, possibly in the fertile brain of some land boomer, to have a number of newspaper men visit Florida at the invitation of the governor and make a personal investigation of the Everglade country. It was my good fortune to be one of this party of newspaper men.

I want to consider this matter with a fair and open mind and so far as I have had opportunity to form conclusions I hope that they are at least unprejudiced conclusions, for I have no personal interest in a single acre of Everglade land or for that matter of any other land in the state of Florida. I realize however, that the impressions formed by a hasty trip of 10 days or less through a region as large in area as the two states of Connecticut and Rhode Island combined are at best superficial and maybe inaccurate.

It is only fair to assume also that those having the party in charge did not show the worst side of the picture. We were treated with unvarying hospitality and kindness and it is only natural to suppose that self-interest would induce our guides to show up the things that are good and at least not to take any particular trouble to emphasize the difficulties that settlers on these new lands must encounter.

What Are the Everglades?

The whole of Florida is encompassed with a sun-tinted cloud of romance. Here were made the earliest settlements in the United States. Here the Spanish cavaliers led by Ponce de Leon came early in the Sixteenth century searching for mythical hoards of gold and an equally mythical spring whose bubbling waters should restore and render perpetual, glorious youth. They were disappointed in both objects of their quest. They found no store of gold and no magic spring with its rejuvenating waters which turned back the wheels of time and endowed the one who quaffed with imperishable youth.

The Spaniard as an empire builder was a failure, but he did leave with the lands he settled an air of romance which the practical rule of the hard headed Anglo-Saxon has not entirely effaced.

It may be that some of the older readers of this will recall the pictures they used to see in their geographies of the Everglades. It was a picture of a densely wooded land, great tropical trees and vines overhanging rivers where the crocodile swam in the murky waters or stretched himself on the oozy bank to catch the occasional rays of the sun that struggled through the intervals of the tropic forest. From the branches of the trees hung huge serpents, and tropic birds resting among the branches of the trees added color to the tropic bloom with the brilliance of their plumage.

That was the idea I had formed of the Everglades. I found that my preconceptions were about as far wrong as it was possible for them to be. As a matter of fact the Everglades before man began to tamper with them, were mostly a vast shallow lake, the Indian name for the same meaning grassy water.

During a good part of the year this vast expanse, comprising an area, as I have before mentioned of some 4 million acres, and equal in extent to the combined area of Connecticut and Rhode Island, was under water to the depth of from 1 to 6 feet. During the dry season a large amount of this water would evaporate leaving parts of the surface above the water line.

In the northern part of the Everglades is Lake Okeechobee, a large, almost saucer-shaped body of water with an extreme length of about 40 miles and an extreme width of something more than 30 miles. In point of area Lake Okeechobee is the second largest fresh water lake lying wholly within the United States, Lake Michigan being the only one exceeding it in size. It is a shallow body of water not much more than 22 feet deep at the deepest

Hearty Praise of Capper's Roads Speech by D. Ward King

Many Kansas readers of Farmers Mail and Breeze have expressed their cordial approval of Mr. Capper's well known views on the good roads question. It may interest them, however, to learn how closely their opinion coincides with that held by D. Ward King, famous as the father of road dragging, also as the originator of the splitlog drag. In a letter to Mr. Capper Mr. King writes:

ARTHUR CAPPER, Topeka, Kan.

Dear Sir—I have read with great interest your address on the subject of good roads and want to say that it is one of the best talks on this subject I have ever seen. You have certainly handled the problem in a sensible, practical way and I am sure the farmers of Kansas will appreciate your efforts to give them a square deal.

D. WARD KING.

Maitland, Mo.

part and with an average depth of not more than 10 or 12 feet.

Into this shallow lake drain the waters of the Kissimmee and the Caloosahatchie rivers and several smaller streams together with the flood waters that run down from the watershed to the north. Often the fall of water in this region amounts to nearly 60 inches during the course of six or seven months. During the wettest part of the year a rainfall of 12 inches in a single month is not uncommon.

The result is that the shallow lake is unable to hold the vast volume of water poured into it and as a result it overflows its low banks and floods the great territory known as the Everglades. Over this flooded section grows the saw grass and other vegetation, the saw grass often growing many feet in height. For untold centuries this annual and rank growth has lived its brief life and fallen and decayed, gradually building up a deposit of vegetable mould which when dried and turned over by the plow looks like well-rotted stable manure except that it is of a darker color.

Florida was admitted to the Union on March 3, 1845, and during that same year the attention of the government was first called to the Everglades with a view to their reclamation. In 1847 the secretary of the United States treasury appointed one Buckingham Smith to make an examination of these lands and report concerning the practicability and expediency of draining them. Buckingham, who was handy with his pen, as well as a competent engineer, made his report in June, 1848. As a report it should rank as a classic and differs from the ordinarily dry and formal reports of engineers in the choice and vigorous style of its English. Here is a quotation abstracted from the same which shows how Buckingham could sling ink when he got down to business:

The appearance of the interior of the Everglades is unlike that of any other region of which I have ever heard, and certainly it is in some respects the most remarkable on this continent. Imagine a vast lake of fresh water extending in every direction from shore to shore beyond the reach of human vision, ordinarily unruddled by a ripple on its surface, studded with thousands of islands of various sizes from one fourth of an acre to hundreds of acres in area, and which are generally covered with dense thickets of shrubbery and vines.

Occasionally an island is found with lofty pines and palmettoes upon it but oftener they are without any, and not unusually a solitary majestic palmetto is seen, the only tree upon an island, as if to guide in approaching it, or as a signal or lookout for its former denizens.

The surrounding waters, except in places that at first seem like channel ways, but which are not covered with the tall saw grass, shooting up its straight and slender stem from the shallow bottom of the lake often 10 feet above the surface and covering all but a few rods from your view. The water is pure and limpid and almost imperceptibly moves, not in partial currents, but, as it seems, in a mass, silently and slowly to the southward.

The bottom of the lake at a distance of from 3 to 6 feet is covered with a deposit of decayed vegetable substance, the accumulation of ages, generally 2 or 3 feet in depth on the white sand and rock that underlies it over the entire surface of the basin. The flexible grass bending gently to the breeze protects the waters from its influence.

Lilies and other aquatic flowers of every variety and hue are here to be seen on every side, in pleasant contrast with the pale green of the saw grass, and as you draw near an island the beauty of the scene is increased by the rich foliage and blooming flowers of the wild myrtle, the honeysuckle and other shrubs and vines that generally adorn its shores. The profound and wild solitude of the place, the solemn silence that pervades it, unless broken by the splashing of a paddle of the canoe or light batteau, with which only can you traverse Pahayokee, or by the voices of your "compagnons de voyage" add to awakened and excited curiosity feelings bordering on awe.

No human being, civilized or savage, inhabits the Glades. The Seminoles reside in the region between them and the Gulf. Except for the flight of an eagle or a bittern, startled by strange invaders of their privacy, or for a view of the fishes in shallow waters gliding swiftly by your boat as it goes near them, your eye would not rest on a living thing abiding in this wilderness of "grass water" shrubbery and flowers.

Reflections on the past history of the region around you, unbidden, force themselves upon the visitor to the interior of the Glades. On these islands in ages that have long since passed away, the haughty and ferocious Carib cacique dwelt. He and his people were driven from their homes by more powerful people who in turn were expelled by stronger foes. Here the daring and reckless buccaneer of later times came, after his cruise for plunder to revel in safety upon his unhallowed spoils. Once in this secluded spot the Catholic missionary pursued the heavenly vocation of teaching the benighted pagan the truths of the gospel, and here he sealed his devotion to his God by yielding up his life to the vengeance of the infidel savage.

The effect of such a visit to the Pahayokee (Indian name for Everglades) upon a person of romantic imagination who indulges his fancies on such subjects, it may be presumed, would be somewhat poetic, but if the visitor is a man of practical, utilitarian turn of thought, the first and abiding impression is the utter worthlessness to civilization in its present condition, for any useful or practical object, of the entire region.

Smith while evidently not very sanguine about the drainage of the Everglades, suggested a plan of drainage that was substantially the same as that now being put into execution. In conclusion he rather guardedly makes this statement:

If anything approximating the sanguine expectations of many intelligent officers and citizens is realized in less than 10 years a new, independent state may be added to the Union, formed out of east and south Florida, disavowing the unnatural connection now existing between them and middle and west Florida, sections totally dissimilar in pursuits, interests and habits from the former; and the enterprise, industry and progressive spirit of our citizens of other parts of the Union, now led else-

where, may be directed into channels equally profitable and more conducive to the peace, prosperity, and permanent happiness of the Union and the perpetuity of our republican institutions.

Buckingham Smith has long since passed to his reward and the enthusiastic officers and citizens who hoped to see a new state made up mostly of the Everglades so vividly described by Buckingham, added to the Union within 10 years, have long been dead and forgotten, and now 64 years after the report was filed a really comprehensive plan for the reclamation of this vast region is being pushed with vigor to a close.

In 1850 the government generously ceded what the administration supposed had no value, to the state of Florida for purposes of reclamation. In other words, the government said to Florida, "We will hand this over to you. If you think you can make anything out of it go to it." In 1851 the Florida legislature created the state board of improvement, composed of the district judges, whose business it was to handle the swamp lands, sell them and apply the fund to draining the same.

There is no evidence however that the state got anywhere with the drainage. The improvement board so far as I can learn from the records, was a decidedly innocuous body. As nobody cared to buy land in the bottom of a lake before the lake was drained and as the only way to drain the lake was to sell the land, it is not hard to see why nothing was accomplished.

Ten years passed and the war came on, which of course disarranged all plans and drove out any idea of draining the Everglades.

So the matter came to a practical standstill for 20 years or more. In 1881 the project was revived and a sale of 4 million acres of land made to one Hamilton Diston for 1 million dollars the proceeds to be used in draining the overflowed lands.

For eight years the drainage work was carried on apparently in rather a desultory manner. The money paid the state by Diston was spent or diverted to other purposes and the Everglades still remained unreclaimed. Two considerable canals were dug, one leading from Lake Okeechobee into the Caloosahatchie river and one that wandered off into the Glades without outlet. The year 1889 marked the end of that effort. The state authorities seem to have concluded by this time that about as good a thing as they could do was to donate the swamp lands to the railroads.

It may be said in passing that for a good many years there was perhaps no state in the Union more completely dominated by railroad influence than the state of Florida. The story is told that Flagler, the builder of that wonderful line of road across the sea to Key West, wishing to get rid of his insane wife, induced the legislature of Florida to amend the divorce laws of the state making insanity a ground for divorce. I do not know of any other state in the Union that makes this a ground for divorce and I think for the best of reasons. Insanity is not a fault, but a misfortune. It would be just as reasonable to make consumption a ground for divorce.

Flagler however, got his law, ridded himself of the wife of his youth and took in her place a woman who must have married him solely for his money, for I do not believe the young woman marries the rich old man for love. Then the legislature of Florida repealed the law by which the great railroad builder had got his divorce from his insane wife.

With such conditions prevalent it is not remarkable that the state authorities were willing to let the railroads gobble up practically all of the Everglades. Indeed the public generally had settled down to the opinion at that time that the reclamation of these lands was an impossibility and if they could not be reclaimed they were of course of no value.

Some of the men at the heads of the railroad corporations however saw farther into the future than these state officials. They knew that the drainage of these lands was after all only a question of work and money. Surveys had already demonstrated that practically all of them lay above tide water and water will run down hill. It was after all only a question of how many ditches or canals were necessary to drain this vast swamp and render it capable of cultivation. Once drained these far-seeing men at the heads of the railroad corporations knew that these lands would be of tremendous value. They were willing to wait and in the meantime to get their hands on all that was of possible value in this water soaked domain.

The Drainage Idea Gets New Life.

In 1891 Dr. Wiley, of the national bureau of chemistry, made an examination of the Everglade soil and filed his report in 1895. In this report Dr. Wiley expressed the opinion not only that it was possible to drain these lands but that they would be when drained, especially adapted to the growing of rice and sugar cane.

Still nothing was done toward permanent reclamation until six or seven years afterward when Governor Jennings in 1902 took up the question and had a great deal of data compiled touching the feasibility of drainage of these lands. Just by way of showing how indifferent the state had been to this project the patent to these lands was not obtained until 1903.

I may say here that back in 1855 the board of trustees having charge of the reclamation business was changed so that it was afterward and is now

composed of the governor, comptroller, treasurer, attorney general and commissioner of agriculture for the state. In 1903 the trustees made a sale of about 100,000 acres of land to one Neil G. Wade, the proceeds to be used in draining the Glades.

The railroads disputed the right of the state to make this sale, claiming title to practically all of the lands in the Everglade region. A test case was made and carried through to the supreme court of the United States, the state winning. During the latter part of the Jennings administration an effort was made to begin the drainage of the Glades but not very much accomplished in the way of actual canal digging until his term had expired and he was succeeded by a remarkable man, N. B. Broward.

Governor Broward was a river boatman, a man of remarkable courage and resourcefulness. During the struggle of Cuba for independence he successfully ran a filibuster boat to the island landing men and arms to help the struggling insurgents. He was thoroughly familiar with the Everglades and the dream of his life was their reclamation. Against him were arrayed the powerful railroad corporations, the conservatives who insisted that the reclamation of this vast body of swamp land was an impossibility and that if he were let alone he would bankrupt the state.

Entirely undaunted by either ridicule or threats this man of iron will went steadily forward. A drainage district was established, a tax of 5 cents per acre levied on all the lands in the district and arrangements made to sell the lands and the proceeds, excepting so much as by law must be turned into the school fund of the state, applied to the drainage of these lands.

It is estimated at this time that about 50 per cent of the work necessary to drain the Everglades has been performed. The state of Florida is now thoroughly committed to the project. The lands are selling rapidly and funds seem to be ample to carry on the work to completion. It will be perhaps three years yet before the system of canals is completed and longer than that before a large part of the lands are fitted for cultivation, but that the work will be done I have no doubt.

What About the Lands After They Are Drained?

By river and canal and lake I traveled for several hundreds of miles, as it seemed to me, through the Everglade country. I saw the unredeemed lands still covered with water and tall saw grass, where a duck might travel, but where no man could. I saw lands that had at one time been just as worthless for agricultural purposes as any of this water covered district, which had been drained and planted with all sorts of tropical and semi-tropical trees, vines, shrubs, vegetables and grasses all growing luxuriantly, a swamp turned into a smiling garden land.

I was shown lands that were valueless three years ago which are now producing crops that will aggregate in value from \$300 to \$2,000 per acre. That this land will produce certain crops in great abundance when drained there can be no question, because I saw the evidence with my own eyes.

Now this is the good side of this and shows the possibilities of this region. In my opinion these possibilities are great, but I want no man to read this and gather the impression that these examples are the average. They are not.

On the contrary I talked with two or three Kansas men who have settled there who have so far made no money. They are not kickers either. They do not express discouragement. On the contrary they show the same patience and courage that the average Kansas settler has displayed who has stayed and struggled against tremendous difficulties out on the Kansas prairies and making no complaint has finally won. The fact that they have so far been disappointed in getting returns has not daunted them and I think they will finally succeed.

I mention their cases to show that it takes intelligence and industry and perseverance and a high order of courage to succeed on these new lands in Florida just as it does in every new undeveloped country.

Some of the lands in the Everglades will not be redeemed for years, maybe never. Some of these lands of very doubtful value have been sold by land agents and the buyers of the tracts will lose their investments. Others have bought lands supposing that they are ready now for settlement and cultivation. They are not. Only a small per cent of these Everglade lands are ready for cultivation. It will be three years at least and perhaps five years even if the drainage system is pushed forward as rapidly as possible and is fully equal in the end to the necessary drainage of the lands, before the bulk of the lands will be ready for the plow.

The cultivation of the lands even where fairly well drained is still in the experimental stage. Experience is necessary to tell what crops are best adapted to them. My opinion is that the ordinary Kansas farmer will make a mistake if he depends on growing citrus fruit or garden truck. The Kansas farmer as a rule is not a tree culturist or a truck gardener. He will therefore be engaged in a business with which he is not familiar and which will involve him in considerable expense and with the chances in my opinion more than even that he will fail.

It would be all right if he goes there and becomes an actual settler, to plant some citrus trees, such as the orange or grape fruit and to raise some vegetables, but my opinion is that these should be side issues and that he should turn his attention to something that is more in his line. I believe that the Everglades will prove to be a good country for the

growing of grasses and forage crops and the price for these are at present enormous. They will not be subject to the attacks of so many insect enemies as the trees and vegetables and will be more easily cared for.

There are I think great possibilities in the line of dairying in Florida. The tables of the hotels are supplied with canned milk and canned cream. That means that these articles are shipped in from abroad. So far there do not seem to be so very many insects in the Everglades but that is because up to recently there has been no inducement for them to settle there. As the country is drained and cultivated the number of insect pests will increase.

Maybe some enthusiastic land agent will tell you that these lands will be selling in a year or two for \$200 or \$300 an acre. Maybe he will even try to make you believe that within five years the land that he sells you for from \$30 to \$60 an acre will be worth \$500 and that without any exertion on your part. I do not know of course what land will sell for in that region in five years from now but it is a safe bet that the most of it will not be selling for \$500 an acre nor for \$200.

Remember please, that not over 50 per cent of the proposed canals are completed and remember also if you have bought land, that unless it is located right on the bank of a canal, it is probably at this moment under from 6 inches to 3 feet of water and even if it is not actually under water it is still so soft that it would bog a duck unless she carried flat boats on her feet.

It is also reasonable to suppose that this region toward which the eyes of the country are turned and toward which tens of thousands are flocking will pass through something of the same period of reaction that all other new countries pass through before settling down to a steady gait. Thousands of people whose imaginations have been stirred by beautifully colored pictures and equally high colored word paintings have invested and will continue to invest their dollars in Florida lands under the impression that their new possessions will grow into immense value. They will find that values will increase much more slowly than they imagined and then will come a period of discouragement and depression.

Many of them have made contracts involving monthly payments. It is nearly always easier to figure how you can gather up \$50 or a hundred dollars next month than it is to actually get the money. Many of these purchasers on the partial payment plan will find great difficulty in meeting the payments when they fall due and perhaps will fail to meet them entirely. Discouraged by their inability to do what they contracted to do they will try to sell for enough to get back what they have actually paid in and that will depress the price of lands generally.

So do not look for pots of gold at the ends of rainbows. Do not figure that you can make a partial payment or two on a tract of Everglade land and that before you have to make the next payment the price of the land will have risen in value so that you can sell it for four or five times what you paid.

I have great faith in the ultimate value of a very considerable part of the Everglades. In the course of time I think that they will prove to be very rich and valuable, but this development will be the work

(Continued on Page 19.)

THE SCHOOL BOOK "TRUST"

Kansas approaches again its regularly recurring five-year tussle with the most depraved combination in the land—the school book combine. This aggregation ought to have some of the elements of respectability, for it publishes school books—texts from which the rising generation is to be educated. It is, on the contrary, as mercenary a combine as exists. No doubt can possibly exist in any candid mind that the publishers have some sort of organized bond of union to fight Kansas because Kansas has attempted to fix maximum prices for school books. Nobody can doubt for a moment that the publishers in antagonizing this policy of the state, which is simply a humane policy in the interest and welfare of the poorer people of the state, who should not be charged excessive prices for the school books of their children, have produced inferior books for Kansas use, and that the motive of this sordid action has been to drive Kansas away from the maximum-price policy. The fear of the publishers has been and still is that if this policy should prove a success it would inevitably be adopted by 45 states and maximum-price laws would be found from one ocean to another. From mercenary motives, therefore, the publishers have corrupted our free public education.

As to their employment of lawyers to deceive and misrepresent, to pull the wool over the eyes of members of legislatures and to amend and change legislation, this has been a public scandal for a generation.

I know of no "remedy" for this situation, except state publication of school-books. I favor publication by the state and distribution to the people at actual cost. With all the faults of such a system, it would be better than to have inferior books from the hands of private publishers who in their relations with Kansas have acted as enemies of the state.

Arthur Capper

JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

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

At last the corn planters have got to going. It is later than usual but soon enough for the season. If corn had been planted any sooner this year it would have made no progress.

Here more corn will be listed this season than in any other since we have lived here. There has been no time to get spring plowing done and in such a case the lister comes into good play. Most of the lister users are going at it right; they disc first and then list.

Some years ago we did not think much of the lister as a tool for preparing corn ground in this part of Kansas. This was due mainly to the way it was used at that time. Listing would be delayed until the last moment and then the work would be done on ground that had not been touched that spring. Hence it listed up hard and cloddy.

If ground is well disked before listing a good job of putting in corn with the lister can be done. The soil turns over in mellow condition and there are no chunks. In the last three seasons listing has proven best here even if our soil is heavy. Last year our listed corn did not make as big a stalk growth and those who saw the fields predicted that the top planted corn would turn out much the better, but husking time showed that the listed stalks, while not so tall and leafy, had a much larger proportion of good ears.

We first disc the ground, then list it out and plant with a planter. It has been our experience that in dry springs, such as we have been having of late, corn will come better if planted with something that will firm the soil over the corn. Many of the riding listers now have press wheels to do this but some have not. In a dry time corn does not come well if the soil lies lightly and loosely on top of the seed.

Another thing which has helped to make the lister a more popular tool is the improved disc cultivators that are now used for the first and second cultivations. In former times the man with listed corn used to struggle along with a common shovel plow. To keep the dirt from covering the corn he had a trough about 4 feet long and this he walked astride of. To keep out of the way of the trough and by main strength to keep the shovels from pulling in on the row, took all the strength and agility a man had. Then cultivating listed corn was a job to be dreaded.

With the cultivators we have today it is far easier to handle listed corn than the top planted. All there is to do is to get the gangs set right; when this is done you can get on and ride for the disks will follow the row. If you can drive a team straddle of the row that is all you have to do. We have two kinds of cultivators we shall use this year on listed corn, one being of the Monitor type with knives and discs and the other a common riding disc cultivator. Later we will tell you which we like best. We have an idea though that both will do good work if they are set right.

Many have tested their seed corn lately and practically all we have talked with say that about 90 per cent grows strong. This is for seed that was saved last fall and kept this winter in a dry place. Seed from shock corn is not very good, especially that cut before the heavy rains which came just in the middle of corn cutting time. As a rule, the hard flinty corn is surer to grow than the deeper grained varieties. We have some of both kinds and both seem to grow well. Kansas does not, as a rule, have the seed corn troubles the states farther north meet with.

We think a mistake is made by everyone who plants too deeply grained corn on upland. In a year of plenty of rainfall it may make a little more corn but in four years out of five it will not do

so well as some smaller variety. For poorer upland we prefer a rather flinty corn which grows an ear of 14 to 16 rows. Larger corn on thin land has a tendency to grow big nubbins about as big 'round as they are long. All corn huskers know how nice these are to husk.

For this section and this soil we have come to the conclusion that where corn is drilled a kernel planted every 18 inches is thick enough. For the average season we would rather run our chances with a stalk every 24 inches apart in the row than to have one every 14 to 16 inches. The thicker planted corn looks better when it first comes up and until about tasseling time it gives the impression of a much better show but after that the thinner corn comes to the front. Should the summer be wet it is possible that the thicker planted corn might yield more than the thinner but in four years out of five it will not; at least it will not in the country lying 100 miles west of the Missouri river.

Our edge drop planter is adjustable to three different widths, 3 feet 8 inches, 3 feet 6 inches and 3 feet 4 inches. We have it set at the 3 feet 6-inch mark which makes it just about right for top planted corn. With listed corn we believe it would be a little better if it were set at the 3 feet 4-inch mark. The cultivator gangs have a tendency to draw in closer on listed corn and so it is harder to clean the middle of the row with the rows any wider than 3 feet 6 inches. We would rather have our corn planted with the rows a little closer together and have the kernels a little farther apart in the row than to have the thing reversed. Too thick planting of corn has ruined more grain crops in this state than thin stands.

There is no soil on this farm or on any of the farms in this neighborhood in which two stalks to the hill are not enough when the corn is top planted. That is our idea of a perfect stand of corn for this section and we would not increase the number of stalks if we could. This is even lighter planting than 18 inches apart in the drill row but corn in hills can't carry so many stalks per acre. We have a plate for our planter that plants 3 kernels in one hill and 2 in the next and so on through the field. Even this is too much to suit us for we have found that the hills containing three stalks are not so good at husking time as those containing two even if they are on bottom ground. We are speaking of growing corn for grain alone. If we were growing it to go into the silo we should plant it thicker.

We made another big levy in our school district this spring, going to the 7-mill limit again. Last year we raised the same amount of taxes and that, taken with what we shall raise this year, will about give us money enough to build our new school house. It is a pretty high levy but when we get it paid we shall be done with it; there will be no bonds requiring a sinking fund and interest levy and we can say that our district is not bonded when inquiries are made about our indebtedness. Many think it would have been better to have issued bonds, thus making future patrons of the school pay their share. There are two sides to the matter, of course, but we can say that both 7-mill levies were carried by unanimous vote. Not only was the tax levy carried in this way but location likewise as well as all questions relating to the building. Is there another district in the state or any other state in which this could have been done? You can see from this that our district is a peaceable one and that the proportion of kickers and growlers is much below the average. We find that the average farmer is willing to pay taxes if he thinks he is going to get value received and in this he doesn't differ much from the ordinary run of mankind.

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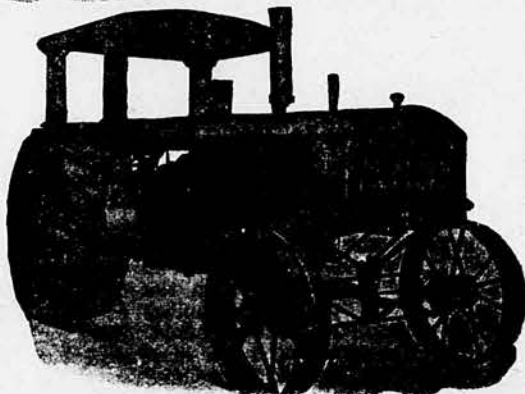
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Secretary Coburn's spring crop report, recently made public, was based on observations made by 2,000 trained reporters, about 20 men in each county. That it practically confirms the report made in last week's Mail and Breeze based on facts gathered by its own reporters, is very creditable to the thoroughness with which the crop reporters of the Mail and Breeze do their work.

Secretary Coburn puts the acreage of winter wheat in Kansas at 6,065,000

McPherson reports the heaviest loss, or 53 per cent, Stafford next with 46 per cent, Rice 30 per cent, Sumner 26 and Pawnee and Edwards 25 each. North and west of these, among important wheat counties sustaining most damage are Gove, with a probable loss of 50 per cent, Ellis 35 per cent, Trego 33 per cent, Thomas 29 per cent, Graham 27 per cent and Sheridan 23 per cent. Barton county, which sowed more wheat than any other, reports 17 per cent likely to be abandoned, and Rush, adjoining on the west with a large acreage, estimates 19 per cent as worthless. Offsetting these, however, may be ranged Jewell, Mitchell and Lincoln, where none will be plowed up, and Osborne with only 1 per cent loss, and Smith 4 per cent—these five counties constituting a block in the north central portion, and Meade, Clark, Comanche and Barber, western counties on the southern border, which have small losses, and are important in acreage. These nine counties, too, are among those having the highest conditions, with 90 or above in each instance.

There is much divergence in reports coming from the same counties, wheat rated as promising and unpromising not infrequently being adjacent, and even in

ONEIDA	87	RAWLINS	86	DECATUR	76	NORTH	89	PHILLIPS	86	SMITH	90	JEWELL	98	REPUBLIC	79	WASHINGTON	70	MARSHALL	65	NEMAH	73	BROWN	73	68
SHERMAN	79	THOMAS	68	SHERIDAN	73	GRAHAM	75	ROOKS	91	OSBORNE	90	MITCHELL	94	CLOUD	89	CLAY	66	WYATT	79	JACKSON	68	70	70	77
WALLACE	65	LOGAN	60	GOVE	50	TREGO	58	ELLIS	66	RUSSELL	83	LINCOLN	93	OTTAWA	86	GEARY	77	MANITOWOC	77	OSAGE	88	92	85	83
GREENE	88	WYOMING	55	SCOTT	61	LANE	74	NESS	78	RUSH	79	BARTON	64	RICE	70	79	79	CHASS	86	COFFEY	92	93	85	85
WELTON	89	KEARNEY	78	FINNEY	77	WAGONER	84	PAWNEE	73	STAFFORD	61	RENO	88	HARVEY	84	BUTLER	86	GREENWOOD	95	82	82	85	85	85
STANTON	80	GRANT	75	WASKIE	88	90	FORD	87	WYOMING	82	PHATT	86	KINGMAN	89	SEDGWICK	83	ELK	68	WILSON	81	84	74	74	74
PHILLIPS	89	STEVENS	85	SEWARD	84	NEADE	94	CLARK	91	YONKINS	91	BARBER	95	HARPER	97	SUMNER	74	COWLEY	72	61	81	64	64	64

MAP SHOWING THE CONDITION OF WINTER WHEAT IN EACH COUNTY ON MAY 1 AS REPORTED BY THE KANSAS BOARD OF AGRICULTURE.

acres. This indicates a harvest of from 72 to 90 million bushels.

Acreages of Former Years.

From the best information obtainable by the Kansas board of agriculture the land sown to winter wheat last fall amounted to 7,352,000 acres, and 17.5 per cent of this, or 1,287,000 acres will now be devoted to other crops or left fallow. Deducting this leaves 6,065,000 acres growing, or approximately one-fifth of the present winter wheat acreage of the United States, and about twice that in any other state.

Some former April acreages and conditions in Kansas, with their yields, are here given:

Year.	Acreage.	April Condition.	Yield in Bushels.
1911	5,330,000	78.54	50,704,673
1910	4,532,000	76	60,282,581
1909	6,092,000	88.05	80,226,704
1908	6,811,800	91.4	76,408,569
1907	6,289,900	84	73,233,907

The sowing last fall was the largest ever reported, or nearly 50,000 acres more than for the year preceding, which was the next largest. The wheat abandoned has been mainly from winter-killing, especially where the snow by drifting had left parts of the ground bare, and by winds, the former being more often mentioned as the cause in the eastern half of the state, and the latter in the west, where the soils have considerable sand. In some of the southern and western counties lack of sufficient moisture in the fall caused loss. Army worms were enough in evidence in a half-dozen counties, four of which are grouped in the central portion, as to be charged with part of the damage, and in Saline and Dickinson counties particularly some fields were over-pastured.

The Counties That Suffered.

The chief losers in the east are Marshall, Nemaha, Brown, Washington and Doniphan, in the northern tier of counties west from the Missouri river, reporting as worthless 73, 64, 35, 35 and 24 per cent, respectively, and adjoining these are Clay, with 44 per cent and Riley 33 per cent killed, and Montgomery, on the southern border, with 46 per cent. In the south central part of the state, or the so-called wheat belt proper,

the same fields, the lack of uniformity being caused perhaps by drifting of the snow.

Where Prospects Are Best.

The best prospect is in Jewell, with an average condition of 98. Other counties averaging 90 or above, are Harper 97, Barber and Greenwood 95, Mitchell and Meade 94, Lincoln and Anderson 93, Coffey and Douglas 92, Rooks, Clark and Comanche 91, and Osborne, Smith and Gray 90. Twenty-nine of the 34 counties having sown a hundred thousand or more acres each, are in the middle part of the state, and almost wholly between the 97th and 100th meridians. These 34 counties sowed 5,204,000 acres, or about 70 per cent of the total for the state. About 1 per cent is thought worthless, leaving 4,292,000 acres, on which the condition averages 80.71 per cent.

It is reported, however, that much wheat believed to be worthless three weeks ago, is coming forward surprisingly under the showers and sunshine, some correspondents even writing in to revise their estimates mailed before the showers. This again suggests the shortsightedness of plowing up wheat before the plant has been given the opportunity afforded by favorable circumstances to show its vitality. Where failure is unmistakable there is yet ample time for corn, Kafir and other sorghums, and catch crops. Incidentally, many of the board's crop reporters have volunteered to say that more Kafir will be planted this year than ever before.

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.

One can't deposit his health in a bank and draw interest on it, but it pays big dividends to the man who takes care of it.

Deep Plowing Is Half the Crop Battle

NOW you can afford to plow deep. Now you can tap that rich new reservoir of fertility in the sub-soil and get bumper crops. The **RUMELY** is the key to the situation. You can't afford to plow deeper than five inches with horses, yet you know it would be better to plow from one to five inches deeper. Even with shallow plowing the average farm horse is idle eight hours out of every nine according to Government reports. Add enough extra horses for deep plowing and they'll be idle 19 hours out of 20. You

must feed these horses whether they're working or not.

Compare the cost of horse feed with the fuel of the **RUMELY** which is "fed" only when working, and then uses kerosene at five to seven cents a gallon, or crude distillate and other cheaper fuels. Not a penny wasted for maintenance through stack or idle seasons. As you know, plowing takes practically one-half of all the power you expend on a corn crop, including the haul to market. You can easily see how an **RUMELY** builds up your profits by reducing plowing costs alone.



Finishes Plowing On Time

No matter how deep you plow, no matter how many acres you have to turn, no matter how short the season—the **RUMELY** finishes the plowing ON TIME. After a winter of idleness your horses are unfit for spring plowing—they must be broken into it gradually. But the **RUMELY** is ready for 24-hours a day plowing right from the start. Wait until the soil is ready—plow deep with an **RUMELY**—and you finish way ahead of your neighbor who started with his teams days before you did. You'll have a deeper, richer, more uniform seed bed—a bigger yield from every acre.

Catalog Free



Keep in mind the fact that there are dozens of other farm jobs besides plowing that the **RUMELY** does more efficiently and economically than any other power. You finish your shredding and shelling before the fall rains and snow. You get your corn into the silo neither too green nor too dry. The **RUMELY** will thresh, pull binders, haul hay to the stack, bale the stack, grade roads, grind feed, saw wood. Write for **RUMELY** catalog with tractor facts you need. It's free.

M. RUMELY CO.

5852 Main Street, La Porte, Indiana

Use This Catalog Coupon

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5852 Main Street, La Porte, Ind.

Please send me your tractor catalog.....

I farm.....Acres.

Name.....

Town.....

State.....R. F. D.....

No Silo Too High for the "POWERFUL SMALLEY"



Save Hours and Dollars! Feeding Smalley-Cut Silage

"POWERFUL SMALLEY" Ensilage Cutters are coming cash for 8-10 of the ensilage cutter owners in America. For 8 out of 10 cutters at work on the Nation's farms are "POWERFUL SMALLEYS." Many of these are the old-fashioned slat-apron type of cutter, manufactured by us for 33 years. These are all giving excellent service for this type of machine.

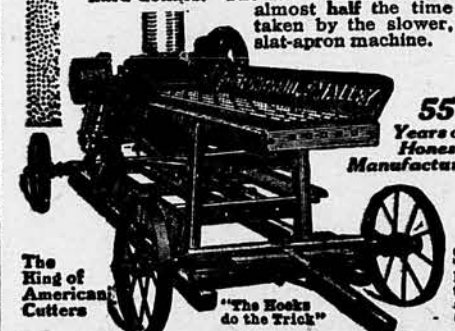
But the Slat-Apron Cutter Had to Go!

The last two years, since we discarded the old-fashioned slat-apron type of cutter for the new labor-saving invention which has proven such a boon to our farmer friends, our business has practically doubled. This proves the new invention's popularity. No other cutter has the force-feed chain grip-hooks.

"POWERFUL SMALLEY" Force-Feed Ensilage Cutter—"Enormous Appetite"

Gigantic Saving to Silo Owners

This force-feed machine, because it does faster work and cuts the silage so perfectly, saves its owners piles of good, hard dollars. The silo is now filled in almost half the time taken by the slower, slat-apron machine.



Special Chain-Drive, Low-Speed Blower shoots silage to the top of highest silo. Spacious 10-inch blower pipe.

Perfect Cutting Arrangement of Knives produces silage that is eaten to the last scrap. No waste.

25% heavier and stronger. Specially strengthened where most needed. 10% steel in all parts. Lifetime of service.

Hard-Oil Cups give perfect and automatic lubrication where most needed. This prolongs life of machine.

Free Book on Silage

and catalog combined. Tells amazing story of silage profits. Tells valuable secrets—about the great time and labor saving "POWERFUL SMALLEY." One book free to one address. Write today to be sure you get one of these valuable books.

SMALLEY MFG. CO., 5 Mill St., Manitowoc, Wis.
Manufacturers of Ensilage, Alfalfa and Hand Feed Cutters, Combination Ensilage and Snapping Machines, Drag and Circular Saw Machines, Champion Flows, Grinders and Feed Mills. (54)

Get a Square Deal Weigh your stock and grain on your own Scales and you're sure to get a square deal.

"McDonald Pitless" Scale—U. S. Standard—used for weighing U. S. Mails. Shipped complete except flooring.

Built for hard service. 21,942 in daily use.

Steel frame and protected bearings make them always accurate.

Illustrated booklet FREE. Write today.

Made and Sold by

MOLINE PLOW CO.

Dept. 15, MOLINE, ILL.

How They Market Their Crops

(Continued from Page 3.)

In this instance, the distribution of the large dividend was made on the basis outlined in the new law as explained above. The dividend checks of the different stockholders ranged from \$12 up to \$201.02, and the investment of each stockholder was \$100. The dividend was made in two divisions first, a given percent on the capital stock was paid to all members alike, whether they sold grain to the elevator or whether they were residents in the town with no grain to sell. The remainder of the earnings was then apportioned or rebated to the stockholders in proportion to their grain sales at the elevator. Six of the stockholders drew checks exceeding \$100 each, and 22 others drew checks of more than \$50 each.

Such a system establishes confidence among stockholders, and demonstrates that with a co-operative company, properly managed, there is no need for a competitive market, nor any need for the farmer to spend time and effort to find a "highest bidder" for his products. He realizes that with such a company, the grain of the community is handled at cost, and when the dividend has been distributed at the end of the year, the owner of each farm is in possession of the full net value of his output.

Some observations may be of interest concerning how to make a start in co-operative marketing.

"Don't" ask the owner of an elevator for terms of sale until you have the capital raised and deposited in the bank. If the owner of a "going plant" is asked for an option or for terms on which he would sell (before organization is completed and capital raised) the price will be placed so high or the terms named will be so unreasonable as to discourage organization and make it much more difficult to complete the work.

The correct method of procedure is, first, to determine whether the people of a given community are ready to co-operate in the ownership and management of the grain business. In a general way the best results may be obtained by calling a meeting of interested persons to discuss the proposition.

From this meeting all persons should be excluded who are either opposed to the project or who are merely "curious." It should not be expected that the needed capital will be raised at such a meeting, but if those present decide that a co-operative plant is needed, the meeting should not adjourn until all possi-

ble subscriptions have been secured—this is to economize in the work of the canvass that must follow.

The meeting should determine the amount of capital to be raised and the subscription form should be a plain note of hand, agreeing to pay the amount subscribed when the total subscriptions reach a specified sum. When such form is used, the signing of the "form" is simply an effective way of counting how many are willing to co-operate on the plan outlined and the signatures are not binding in any respect until the name is written that completes the specified sum to be raised to make the agreement binding, and when that sum is reached, the whole automatically closes and is binding on all.

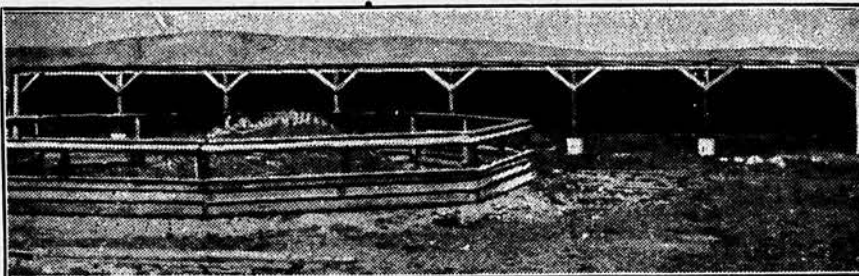
Notice should then be sent to every signer that another meeting will be held

Mail and Breeze know Mr. Holsinger through his writings for this paper and his institute lectures and have always had implicit confidence in his advice. Mr. Holsinger comes from a family of Kansas fruit growers, his father being Major Holsinger of Wyandotte county.

A Cattle Shed of Concrete

IT IS A READER'S IDEA.

Concrete is being put to many uses on the farm these days and more uses for it are being found from time to time as farmers are becoming better acquainted with its possibilities. C. E. Storer, a Mail and Breeze reader of Alton, Osborne county, Kansas, built a concrete cattle shed last fall and likes it so well that he is already planning on putting

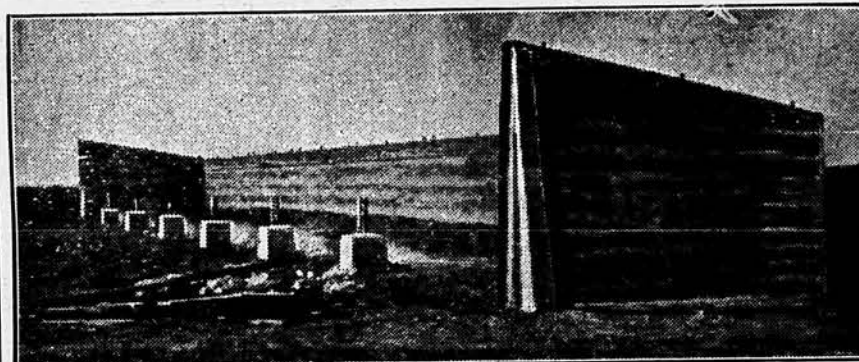


FRONT VIEW OF COMPLETED CONCRETE SHED AS BUILT BY MR. STORER.
A type of inexpensive but satisfactory feed rack is shown in the foreground.

at a specified time and place to complete the organization. The meeting should effect a temporary organization, and choose a committee charged with the duty of preparing and filing a charter with the secretary of state, and of drafting a set of by-laws to be submitted to the stockholders at a meeting to be held specially for the consideration and adoption of by-laws.

up two more. For the pictures and description of his concrete shed, Mr. Storer has been awarded first prize in the recent photo contest of Farmers Mail and Breeze which closed April 2. The prize is a year's subscription to the Topeka Daily Capital.

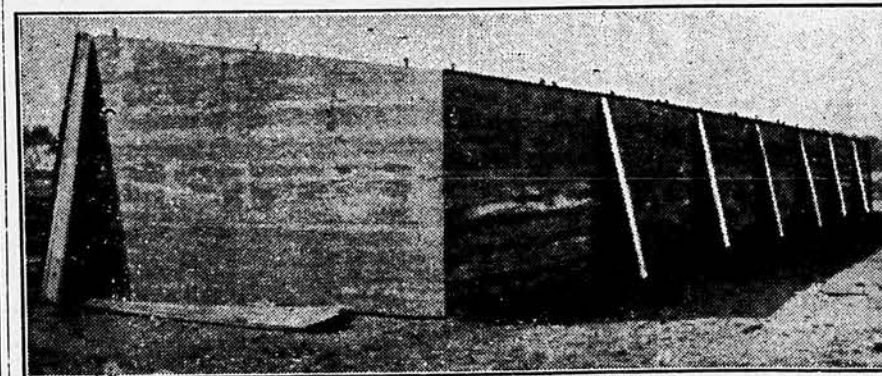
Mr. Storer's concrete shed is 84 feet long, 12 feet wide, and 6 feet high at the back. The base of the wall is set



WALLS AND PIERS OF CONCRETE SHED READY FOR SUPPORTS AND ROOF.

After the charter is filed, the permanent organization will be effected by discussion and adoption of by-laws, to be followed by the election of the number of directors that have been named in the by-laws. The election of the directors completes the work so far as the stockholders are concerned, and thereafter all business will be done by the directors thus chosen. Their first act is to choose

in the ground from 12 to 18 inches and is 16 inches thick. The main wall is 10 inches thick at the bottom and 8 inches on top. Heavy, woven hog wire was used for reinforcing and six pilasters at the back and one at each front corner add extra strength to the walls. Bolts were set along the top of the walls to which the skeleton work for the roof was fastened. The roof is of galvanized cor-



REAR VIEW OF CONCRETE SHED SHOWING PILASTERS OR BUTTRESSES.

a president and secretary, and then will follow all things necessary to perfect the work that has been undertaken. The number of directors should be as few as is consistent with safety. Usually this is five.

Holsinger to Leave Kansas

A man Kansas can ill afford to lose, is soon to leave the state. C. V. Holsinger, horticulturist for the college extension department at Manhattan has been chosen for the head of the horticultural department of the new county high school agricultural college at Milwaukee, Wis. The readers of Farmers

Magazine know Mr. Holsinger through his writings for this paper and his institute lectures and have always had implicit confidence in his advice. Mr. Holsinger comes from a family of Kansas fruit growers, his father being Major Holsinger of Wyandotte county.

GET A GOVERNMENT JOB.

All interested should write to Franklin Institute, Dept. B178, Rochester, N. Y., for free list of government positions open.

Follow other people's advice and you will always have something to blame your failures on.



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 1889 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 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 20 minutes. Or we will furnish you a pump jack—the best made—for \$6.00, to do pumping 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.



New Wheels

for the Old Wagon

Let us fit your old wagon with "Electric" steel wheels and make it strong and good as new. Another wagon life and a real handy wagon just by buying wheels. Broad tires, never any resetting, no drying apart, rattling or coming loose. Free book gives particulars and shows how it pays big to fit up old wagons with the long-life Electric Steel Wheels. Write for copy. ELECTRIC WHEEL CO., BOX 36, QUINCY, ILL.

Electric

What's the Use of Cooking

When you don't have to?

Post Toasties

are skilfully and fully cooked at the factory—ready to serve direct from package with cream, and sugar if you like.

These thin bits of toasted corn (sold by grocers) are crisp, delicious, satisfying and convenient.

"The Memory Lingers"

Made by
Postum Cereal Company, Ltd.
Pure Food Factories
Battle Creek, Mich.

Don't Pay Double Toll

PUT the money into your pocket which the wasted grain in your straw pile is worth. How? By hiring a thresher which beats out all the grain just as you would do if you were separating by hand with a pitchfork.

There is only one such machine. All others wait for the grain to drop out. The RED RIVER SPECIAL beats it out. It saves all the grain, because it has the only true and correct method of separating. The Big Cylinder, the "Man Behind the Gun" and the uplifting shakers don't let any escape.

You worked hard to plant, grow and harvest the crop. Don't let it be wasted. Hire the RED RIVER SPECIAL and put all the money into your pocket and none in the straw pile.

It is the only machine which beats out the grain. Don't pay double toll. Hire the RED RIVER SPECIAL and save your thresh bill. Write us for the proof.

Nichols & Shepard Company
BATTLE CREEK, MICHIGAN
Sole Builders of The RED RIVER SPECIAL LINE
Red River Special Threshers—Traction
Steam Engines—Oil-Gas Tractors—
Self Feeders, Stackers, etc.

My Greatest Success

By R. E. Olds, Designer

Trainloads of Reo the Fifth

In the past 25 years, a dozen models of mine have become the season's sensation.

Again and again I have seen the factory swamped, and men paying a bonus to get my latest creation.

But Reo the Fifth has broken all records. I never saw a demand which compares with this.

Five cities at this writing have trainload orders with us—orders for forty carloads each—to go in a single shipment.

But the demand is just beginning. Very few men have yet discovered this car.

Soon there will be 10,000 cars in the hands of 10,000 owners. Ten thousand men will be telling others how Reo the Fifth performs.

Then will develop the real demand for this final car of mine.

Not a Passing Sensation

Other season sensations have come and gone. New cars and better came out to displace them.

Those days are over now. Reo the Fifth comes close to

the limit in motor car engineering. It embodies the final results of my 25 years of experience. In every detail it marks the best I know.

There is no probability that we shall ever see a materially better car. The years can bring only minor changes.

It Deserves It

This car deserves popularity. That is my satisfaction.

The men who buy it get the utmost of which I am capable. There will be no regrets—none to say I misled him. And none will ever see a car which gives more for the money.

The steel in this car is all analyzed. Every vital part is put to radical test.

Parts are ground over and over, to get utter exactness. Inspection is carried to extremes.

There are big margins of safety. The bearings are Timken and Hyatt—roller bearings, in place of the usual ball bearings.

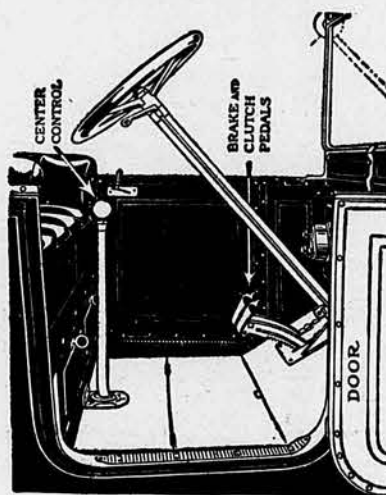
The tonneau is roomy, the wheels are large, the car is over-tired. The carburetor is doubly heated.

The body is finished in 17 coats. The upholstering is deep,

the lamps are enameled. Even the engine is nickel trimmed.

Every part of the car shows the final touch—the avoidance of petty economies. I am proud of it. Not an iota has been omitted which could add to the worth of this car.

Center Control—No Side Levers



Then here, for the first time, we get rid of all side levers. All the gear shifting is done with this center cane handle—done by the right hand. It is done by moving this lever less than three inches in each of four directions.

Both brakes are operated by

foot pedals, one of which also operates the clutch. So the entrance in front, on either side, is clear.

This arrangement permits of the left side drive. The driver sits, as he should sit, close to the passing cars—on the up side of the road. Heretofore this was possible in electric cars only.

Thus we have solved the last important problems in designing.

Price Still \$1,055

The price of this car remains at \$1,055, though subject to instant advance. This price is too low for a car like this. It leaves no adequate margin.

But we shall continue this price, in all probability, until materials on hand are exhausted.

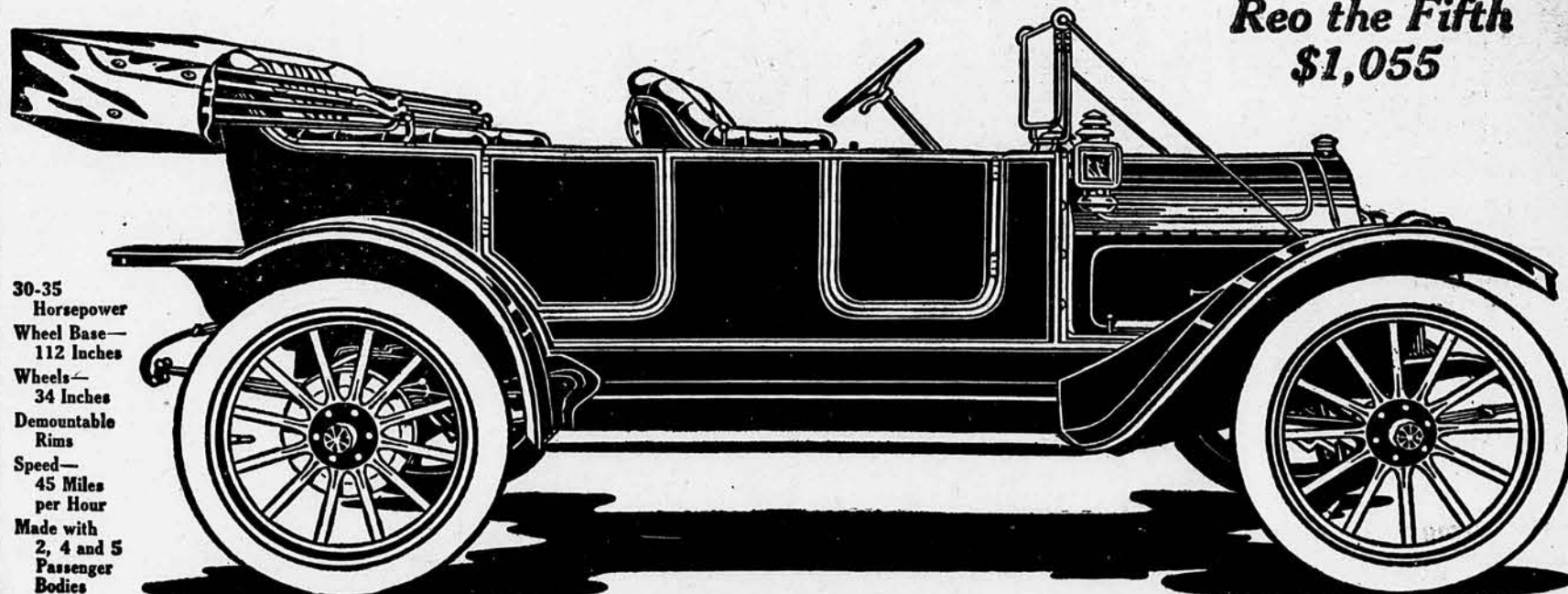
1,000 Dealers

Reo the Fifth is shown by dealers in a thousand towns. We will direct you to the nearest when you send for our catalog. Please write for it now. It shows the various bodies. Address

R. M. Owen & Co. General Sales Agents for **Reo Motor Car Co., Lansing, Mich.**

Canadian Factory, St. Catharines, Ont.

Reo the Fifth
\$1,055



30-35
Horsepower
Wheel Base—
112 inches
Wheels—
34 inches
Demountable
Rims
Speed—
45 Miles
per Hour
Made with
2, 4 and 5
Passenger
Bodies

Top and windshield not included in price. We equip this car with mohair top, side curtains and slip cover, windshield, gas tank and speedometer—all for \$100 extra. Self-starter, if wanted, \$20 extra.



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.

Harvest, or Plow Cowpeas Under?

Considering the value of cowpeas as hay, would it be advisable to plow them under for green manure? Is it necessary for nodules to form on the roots of cowpeas before nitrogen can be stored in the soil? Is it characteristic of the Whippoorwill to set more nodules on its roots than the New Era? In adjoining fields here the nodules on the Whippoorwill were profuse, while on the New Era there were scarcely any.—M. R. M., Burlington, Kan.

As a rule when cowpeas are grown as a regular, full-season crop it would not be advisable to plow the crop under for green manure, but a greater profit would be secured as you have suggested by harvesting and feeding the hay to livestock and returning the manure to the soil. The simple growing of the cowpeas, will improve the fertility of the soil. However, if the soil is quite deficient in vegetable matter, it may be quickly and greatly improved by green-manuring, and cowpeas may well be used for this purpose in your part of the state by planting as a catch crop, in wheat or oats stubble, and plowing the crop under in the fall before heavy frost. Meanwhile, before plowing, the cowpeas may be pastured, thus producing some direct income aside from their fertilizing effect when plowed under.

It is necessary that the nodules form on the roots of the cowpeas in order that the crop may increase the supply of soil nitrogen. The bacteria which live in these nodules absorb free nitrogen from the air in the soil, and change it into a form in which the plant can use it in its growth in the formation of roots, stem, leaves and seed. When the crop is har-

The farmers asked for a general parcels post. Congress is about to hand them an express package. But a beginning has been made.

vested for hay, the stems and leaves and seed are removed, and all that remains to enrich the soil are the stubble, roots and nodules, and these must decay before there is any addition to the available plant food in the soil. There is no direct transference of the nitrogen from the nodules to the soil so far as science has determined.

I have not observed and never heard it stated before, that the nodules formed more abundantly on the Whippoorwill than on the New Era variety. I believe the difference observed may have been due to a difference in soil or seedbed. Both varieties named are vigorous growers, and seem to succeed about equally well under similar conditions.

A. M. TenEyck.

Forage Crops to Precede Alfalfa.

I have about 7 acres I want to put in alfalfa this fall that were in corn last year and are in rye now. The rye I would like to leave late for spring pasture and then sow to some forage crop that I could get out of the way for sowing to alfalfa this fall. What would you suggest?—G. F. C., Bonner Springs, Kan.

Cowpeas make a fairly good crop to precede the fall seeding of alfalfa, but the peas ought to be planted early. By your plan of growing two crops in one season and then seeding this field to alfalfa in the fall you are not very apt to succeed in getting a stand of alfalfa, unless the fall weather is very favorable. The rye will leave the ground dry, the cowpeas will be planted late and may not grow rapidly because of a poor seedbed. This will make a late harvest and two crops in succession will exhaust the soil moisture and the available plant food, leaving the soil in poor condition to start alfalfa at once.

If you decide to follow the plan proposed, I should advise not to pasture the rye too late, but plow rather deep, 6 to 7 inches, about the middle of May. Work the ground well after plowing for a couple of weeks and plant the cowpeas about the first of June after a good rain. Sow an early maturing variety, the New Era or Early Blackeye preferred, and cut for hay as soon as the first pods turn yellow. Disc the field as soon as the crop is removed. Harrow later after a rain and sow the alfalfa early in Sep-

tember, usually not later than September 15 in your part of the state. If the conditions are not favorable for seeding in the fall wait until spring. It is not advisable to sow alfalfa unless the soil is moist enough to germinate the seed at once. Also remember that the seedbed for alfalfa should be well pulverized and firm below the depth at which the seed is planted and mellow at the surface. A deep loose seedbed is not desirable.

Another crop which you could sow after rye, take off for hay and follow with alfalfa, is millet. Why not grow your late forage crops after small grain, or plant cowpeas in early corn, and get this rye ground ready for alfalfa?

A safer plan for you to follow in getting this field set to alfalfa is to plow the rye pasture early in June, plowing 7 to 8 inches deep, and fallow the land the balance of the summer, giving sufficient cultivation to destroy the weeds and conserve the soil moisture and then sow early in the fall, about September 1, so that the alfalfa will get a strong start before freezing weather, then it will pass the winter in good condition.

Such a plan would almost surely give a good stand of alfalfa, and I consider getting a stand of alfalfa the principal thing, more important than the crops which you may be able to squeeze out of the land the year the alfalfa is planted.

A. M. TenEyck.

Planting Cowpeas With Corn.

What is the best variety of cowpeas for sandy river bottom land? Would it be advisable to plant the Little Ninety Day corn with the peas? Would broadcasting them be all right or had I better drill, as this land is very rich? Can I get this crop off in time to sow alfalfa this fall?—A. H. W., Le Roy, Kan.

The Whippoorwill cowpeas are a standard variety and will succeed well in your part of the state on such land as you describe. This is also a good variety to plant with corn since it grows rank and vines freely. But the Whippoorwill peas should be planted with a corn of medium maturing season, such as Boone County White, Reid's Yellow Dent, or Kansas Sunflower, in order that the two crops may mature for fodder at about the same date.

If cowpeas are planted with corn I advise to plant in rows and cultivate. You will secure a better growth and larger yield by this method than by broadcasting or planting in close drills. Also the combination crop in rows is more readily harvested and saved, since it may be readily cut and bound in bundles with the corn binder and shocked the same as corn alone. It requires about 4 quarts of corn and 8 quarts of cowpeas to plant an acre, in rows 3½ feet apart. While to sow broadcast it requires a half bushel of seed corn and 3 or 4 pecks of cowpeas.

Planted by the last of May, this crop could be cut for fodder early in September and the ground prepared for alfalfa by disking and harrowing, but unless the fall is favorably wet the soil will likely be too dry to start alfalfa after growing a crop of cowpeas.

A. M. TenEyck.

Timothy and Bluegrass Pasture.

I have been reading your answers in Farmers Mail and Breeze and want to know if timothy and bluegrass sown about wheat sowing time, will make pasture the next spring.—Mrs. M. E. H., Wilder, Kan.

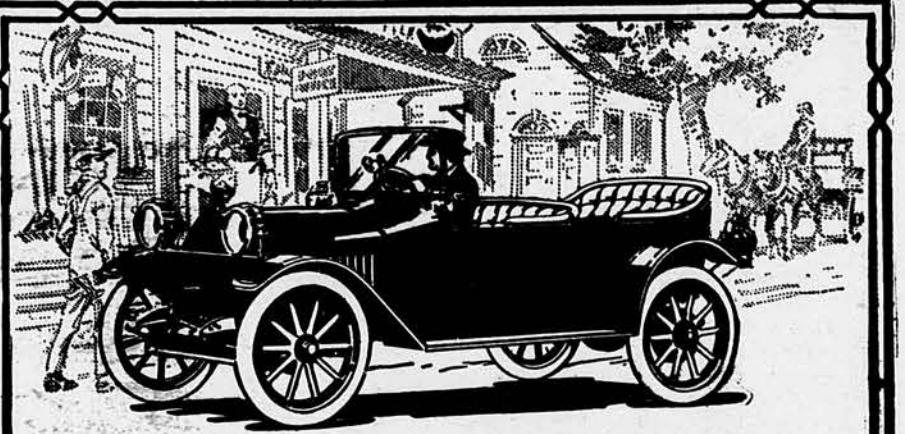
The grasses ought to be sown a little earlier in the fall than wheat, say about September 1, in a well prepared seedbed. Would advise also to sow a little Alsike clover and White clover with the timothy and bluegrass for pasture. But the clover may better be seeded very early in the spring, since the fall seeded clover is likely to winter kill. If the grasses make a good stand they will furnish considerable pasture the next season after planting, but they should not be grazed too closely, and this is especially true early in the season.

A. M. TenEyck.

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Says it's the best car on earth to pull in the mud

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"Then I told him that I would have to pull myself, and he said: 'I guess you can stay with me until the mud dries up a little.'"

"When I was ready to go on, I started up as if nothing had happened."

"He said he was going to have a car of that kind."

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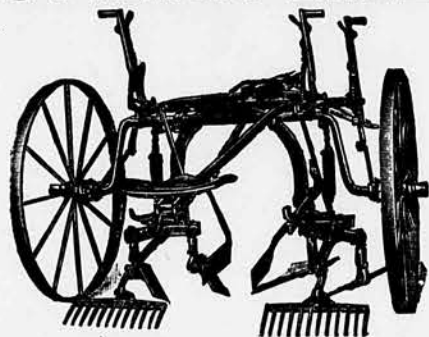
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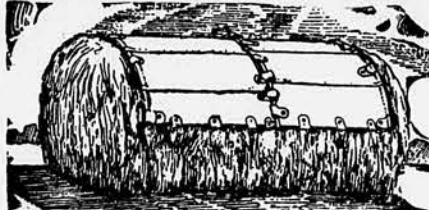
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February—shovel snow;
March—you face the tempest's blow;
April—showers will soak you so;
May—get out the garden hoe;
June—the grass you'll have to mow;
July—dodge the sun's hot glow;
August—in hay fever's throes;
September—leaves to rake, you know;
October—grip will catch you sho;
November—chill and bleak and snow;
December—Christmas shopping go.
—Cleveland Plain Dealer.

Bermuda Grass in Kansas

BY F. A. MITCHELL,
U. S. Department of Agriculture.

[Written for Farmers Mail and Breeze.]

A part of the lawn just south of the State House, at Topeka, where the bluegrass had died out, has recently been set to Bermuda grass as an experiment. The hope is that in this somewhat sheltered spot not all the grass will winter-kill and that it will gradually become acclimated and spread over the lawn. Aside from winter-killing Bermuda makes an almost indestructible sod that spreads rapidly. Mr. Mitchell, who writes this article, is Oklahoma's Bermuda expert.—Editor's Note.

I have had a great many letters of inquiry in regard to Bermuda grass from readers of Farmers Mail and Breeze. I would only recommend it for the southern part of Kansas. In planting it do not set out the rootlets until May, as Bermuda is a warm weather grass.

The universal inquiry is, "Shall we use seed or plant rootlets?" As a government employe I have talked with about 700 farmers about Bermuda grass and only one had succeeded with seed where many failed. Above the southern line of Oklahoma rootlets should be planted that are known to have been acclimated by having been subjected to the zero weather of our latitude.

How to Set the Rootlets.

There is no one best way for setting the rootlets, but in Kansas I would list the ground as for corn, drop the rootlets in the bottoms of the furrows and cover with about 3 inches of soil, if possible leaving a small part of each rootlet exposed. The roots will grow if entirely covered but will not make so sure a stand and are more easily hurt by freezing. It is well to step on the roots in planting to firm the soil. When you receive the roots immerse them in water, leaving them until well soaked.

The reason I recommend planting the rootlets in listed furrows is on account of the protection they give from the cold north winds in winter. Run the furrows east and west and cultivate just enough to keep the weeds down, leaving the listed ridges as a wind-break. Since you will probably plant only an acre or two the first year it might be best to cover the roots with a hoe in order to get every one to grow.

Setting Roots in Sod.

We have dropped the rootlets in every third furrow in plowing but they are apt to be covered too deeply in this way. If a sulky plow were used it would be more successful as a more uniformly shallow furrow could then be made. When plowed under, cultivation should be done with a harrow. In plowing prairie sod with a breaker the roots may be planted by following every third furrow with a spade. Thrust the spade clear through the sod at short intervals, drop in a root, step on it and pass on. I have known of fields to sod over nicely the second year after planting this way.

In Kansas do not pasture Bermuda the first year but leave the entire growth for a mulch. As soon as your ground is well sodded you might as well write an obituary for the whole weed clan for they will all be dead. If anyone wants further information I shall be glad to give it, but enclose a stamp for reply. **R. S. Chandler,** Okla.

Only 6 Out of 10 Kernels Good

Mr. Editor—It is always easier to give advice than take it but if seed corn generally doesn't average any better than that we have tried here it will be a wise plan to plant twice as much as is needed for a good stand. The corn looks all right until we try it. Only six out of 10 grains sprouted for us and at that rate it is safer to sow it instead of planting. **D. Engelhart,**
Sterling, Kan.

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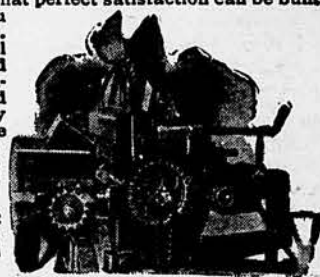


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Feeds & Feeding

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.

Danger of Pasturing Alfalfa.

Is there any danger in putting a driving horse or milk cow on alfalfa and white clover pasture at this time of year? Feed is scarce and would like to use this pasture.
—A. M., Scott City, Kan.

The chief danger of grazing cows on alfalfa and clover is that of bloat. Many farmers pasture alfalfa with cattle to a greater or less extent, but there are always some losses where this crop is used to any great extent as a pasture crop for cattle. In the case of an individual cow it might be used providing the cow has access to some dry feed before grazing on the alfalfa. There is practically no danger in grazing horses on alfalfa or clover. White clover, where it is used exclusively, tends to produce what is commonly called the "slobbers" in a horse. A driving horse grazed heavily on alfalfa and white clover will not be in condition to give such good, steady service as when fed corn and dry roughage, being somewhat soft and inclined to sweat freely when driven hard. Under the circumstances you would probably be justified in making use of the green alfalfa and clover in reducing your feed expenses, especially if you are not using the horse severely.

G. C. Wheeler.

Good Crops for Hog Pasture.

What would be a good crop to plant for spring and summer pasture for hogs?—F. S., Cuba, Kan.

Dwarf Essex rape will make one of the best early forage crops you can raise. It can be sown broadcast at the rate of 4 or 5 pounds per acre on a well prepared seedbed, or drilled in rows 24 or 30 inches apart, using about 3 pounds of seed per acre. When sown in drills, the hogs will not break down and destroy as much of it as when it is sown broadcast. Hogs should not be turned in on rape pasture until it is at least a foot high.

Oats make a fine spring forage crop and sometimes are used in connection with the rape. Oats are especially valuable for brood sows with pigs. Where several lots are available, successive seeding of oats or rape may be made in order to have fresh pasture coming on so that the hogs may be changed as one lot is grazed down. If not grazed down too closely, rape will come up again and produce a second growth.

For the hot part of the summer there is probably nothing better than sorghum. While this is not relished as well by the hogs, it always grows and produces green forage, no matter how hot and dry the summer may become. It will not injure hogs in any way. It should be seeded rather thickly. After it is well started and is at least 2 feet high the hogs may be turned in.

For late fall pasture there is probably nothing better than rye. This crop when sown early will make some pasture that fall and more the following spring. It makes a desirable cover crop for the soil and can later be plowed under as a green manure, thus adding considerably to the humus of the soil.

Alfalfa is in a class by itself as a hog pasture. It must be seeded some time in advance, since it cannot be pastured until it is well established. If you do not already have alfalfa available and if you have any land suitable for its growth, you should arrange for a pasture of this valuable crop as soon as possible.

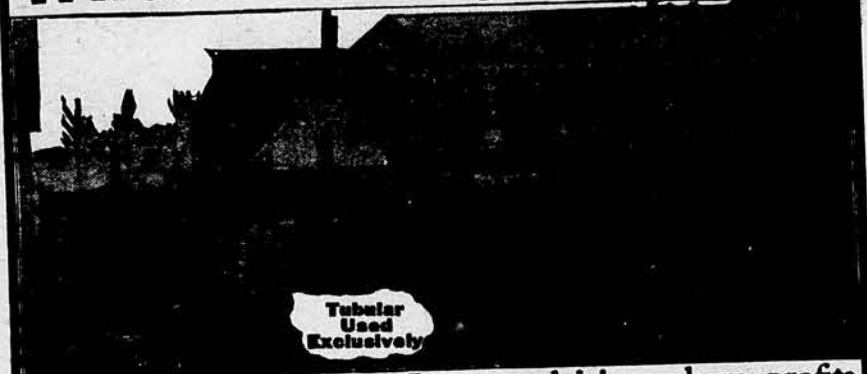
G. C. Wheeler.

A Way to Make Collars Fit.

Mr. Editor—I prevent sore shoulders on horses by soaking the collar in water over night before beginning hard work. Then it will adapt itself in shape to the horse's shoulder and fits perfectly. After that wash the shoulders with salt water every night until they are hardened, then you will have no more trouble.
Blue Mound, Kan. C. H. Austin.

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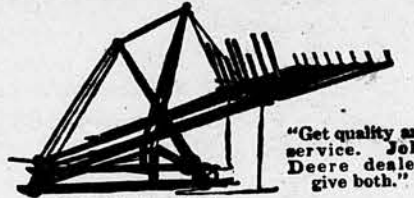
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The hay is delivered on the stack straight and even—just as it falls in the swath. It isn't rolled, or tangled; you can build a better stack that way—with less work; a rain-proof stack too; the hay will keep better.

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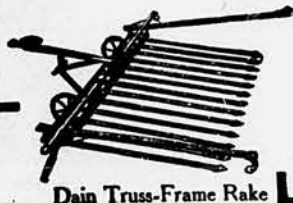
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contains the separator you and every other cow-owner knows he wants. Ease of turning, simplicity, and ease of cleaning, assure you of highest grade cream, with least work. Their efficiency has been proven by hundreds of thousands, in actual use, on the farm.

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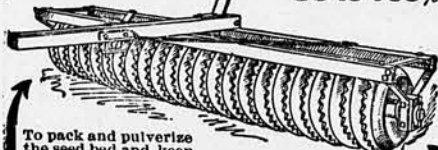
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Dairy Farming

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

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

The cow and the sow make a good farm team.

Give the young calf an early chance to nibble at grass.

There isn't much play about dairying but no other job pays better for hard work.

Fine corn meal for the skim milk calf is a good substitute for the more expensive oil meal.

The longer a calf is allowed to suck the cow the harder it will be to make it drink from a bucket.

The heifer bred too early always remains stunted in growth and her milk flow is shortened for all time.

Pasturing grass too soon or too hard is an expensive way of saving feed. It costs several times the amount of feed saved.

The main points to make sure about in buying a separator are durability, clean skimming, easy washing, and easy running.

Aside from those kept for breeding purposes what is your most profitable way of disposing of the calves from the dairy herd?

To dehorn calves with the least pain take lye and any strong liniment and put about as much as 2 wheat grains on each horn when the calf is 3 weeks old.—G. Abraham.

Will It Pay Tenants to Build Silos?
(Prize Letter.)

Mr. Editor—Last season I built a silo costing me approximately \$250 and then it cost me something like \$60 to fill it, exclusive of the value of the corn put in. With the exception of \$26 as a cash payment for engine and cutter I paid for all the help I needed by exchanging work. It is generally conceded that stalks constitute from 40 to 50 per cent of the corn crop and these are practically worthless for dry feed. My silo holds 80 tons and I saved 40 tons of good feed by putting these stalks in the silo. I consider silage as worth \$5 per ton fed to my stock, so that according to these figures I have gained \$200 in one season's use of my silo.

If not put into the silo this corn would have cost something to handle and this should be deducted from the cost of filling the silo, but figuring the extra cost of filling at \$50 per season it would take but three seasons to make my silo pay for itself. A good stave silo should last at least 20 years, barring accidents, so you can see that it is more a question of whether we can afford not to have a silo than afford to have one.

Then there was a good deal of satisfaction last winter, when snow drifts were piled high all about us, to be able to feed 30 head of cattle out of the silo in less time than it would have taken to hitch up the team to haul a load of feed from the field. This way of feeding meant more comfort to myself, the team and the stock. I fed my dairy cows 2 pounds of cottonseed meal and 40 pounds of silage each per day and found it a far better feed than our former feed of corn stover and ground corn. I fed no hay of any sort with the silage.

The other day a man told me I would soon ruin my farm because I would have no stalks to plow under but I told him I had more good fertilizer in my feedlots this spring than I ever had on the place before. I know of tenants who are building silos and where a man can lease a farm for a term of years I believe it is a paying proposition.

J. W. Hickling.

R. 10, Emporia, Kan.

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More De Laval machines are in use than any other make. There is a reason. Any De Laval Agent will tell you why, or write to the nearest De Laval office below.

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(Signed), B. F. MORGAN, Wagner, S. D.

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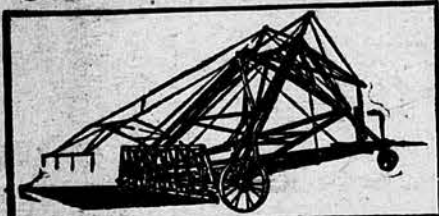
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BROOMCORN

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

What About Cultivation?
I am letting our good broomcorn growers conduct this department for the most part, because they are right out on the ground and in close touch with conditions. But—are we doing as much with it as we might for a farm journal that covers broomcorn territory as thoroughly as Farmers Mail and Breeze does? Now is the time for you to tell us what you know about cultivation of the crop. Try me with a letter of this kind. Trust me to make it worth your while. Let's make this column really useful to the brethren.
Editor's Note.

Two Planting Extremes to Avoid.
Mr. Editor—I have had my best success with broomcorn in double listing the ground and planting the seed in the furrows with a 2-row planter, dropping the seed about 9 inches apart. If planted too thickly and the weather turns dry it will not head well and if planted too thinly and the season is wet the heads will grow too fast, making "goose necks" which are not worth pulling. After this I shall leave all goose necks and crooked brush on the stalks. I live 35 miles west of the 100th meridian and have grown average sized crops of broomcorn.
George M. Tockey.

Elmwood, Okla.
Putting in a Broomcorn Crop
BY CHARLES HILL.

[Written for Farmers Mail and Breeze.]
I disc the ground twice in the spring, crossing the last time. Then I use a combined riding lister and plant 10 acres every two weeks. I find the riding lister does more even work than the walking lister. I plant at different times in order not to have all the brush need harvesting at the same time. This makes it easier for one man to handle. I work the crop first with a common harrow, then use a disc cultivator which has two discs and two small shovels to each row. The discs are set to throw the ground away from the row and the shovels are set in the row to loosen up the ground next to the plants. The second time over I reverse the discs, throwing the earth to the row and letting the shovels come along behind to leave the ground loose in order to hold moisture better. After that I use a 6-shovel cultivator, going about 3 inches deep, which leaves the ground thoroughly pulverized. After regular cultivation ceases, I drag a mower wheel through the rows for a final working. This leaves a fine soil mulch to retain moisture.
Charles Hill.
New Ulysses, Kan.

FREE TO POULTRY RAISERS.
Great Book of Money-Making Poultry Secrets—Given to Mail and Breeze Readers.

The well-known poultry authority, Mr. Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of every person interested in raising poultry for profit.
This book is "Tricks of the Poultry Trade"—the one different, desirable poultry book of the year. Among the many valuable secrets found only in this book are the following: Three methods of selecting the laying hen; A sure and certain method of selecting eggs for hatching; How to raise 500 chickens on a lot 30 by 40 feet; How to build a natural hen incubator; How to build feed hoppers and fireless brooders; How to make feed at 10 cents a bushel; How to make winter egg ration, poultry feeds and tonics, egg preserver, house killers; How to grow pullets that lay young and make a large egg yield; How to handle incubators to best advantage; The trick of securing more pullets than cockerels; How to tell age of eggs and fowls; How to prevent lopped combs.
All these and many more subjects—too numerous to mention here—are fully covered in this great book. It is big value for two dollars of anybody's money—but we're giving them away FREE on this plan: We will give you one year's subscription to Farmers Mail and Breeze, one year's subscription to Poultry Culture, the best poultry journal in the West, and one copy of this great book of poultry secrets—all for only \$1.25. State whether you are an old or new subscriber. Address at once, Arthur Capper, Publisher, Topeka, Kan.

Get All the Crop Profits - Kill Insect Pests-Spraying Merry War Powdered Lye



And It Will Not Injure Vegetation

I have spent more than 20 years making all manner of tests so that I know what I am talking about when I claim that Merry War Powdered Lye makes the most effective, most economical, safest and surest spray mixture you can use in orchard, garden or poultry house.
And my claim is backed by the experience of thousands and thousands of fruit growers and truck farmers everywhere who have used Merry War Powdered Lye as a spray mixture to exterminate San Jose Scale, Borers, Potato Bugs and other profit-eating insects pests in orchard or garden—and with wonderful results. Don't wait until your trees and plants are half eaten up with the pests. If you want the best results begin now when you know the first signs are due—and devote all the time you can spare to systematic spraying with Merry War Powdered Lye.
Every farmer knows that it is a constant battle for extermination. The trouble with many spray mixtures, like Paris Green, lies in the fact that they cannot be used strong enough and frequently enough to destroy the pests without poisoning and dwarfing the yield. The farmer who sprays with Merry War Powdered Lye need have no such fear—it will kill the pests without injuring either foliage or yield. The drippings act as a fertilizer, enriching the soil around the roots, increasing both the size and quality of the yield.
It's up to you to get off the pests—don't let insect pests eat the profits when you can exterminate them with Merry War Powdered Lye—without injury to plant life.

Here's One Man's Experience
Vale Summit, Md.
Dear Sirs—
I have given Merry War Powdered Lye a thorough test in removing San Jose Scale and have the most beneficial results. My orchard is now in fine, healthy condition as is my rose garden also.
James Barber.
To exterminate Borers, make a solution of one can Merry War Powdered Lye to 10 gallons of water. Apply

Unequaled in Poultry House
The most effective wash or spray for nests, roosts and poultry houses is made from three teaspoonsful of Merry War Powdered Lye to one gallon of water—it's death to lice, mites and vermin.
You can use a solution of one teaspoonful of Merry War Powdered Lye in one gallon of water on bodies of lice infested fowls without injury to skin or plumage.

My Warning Important—Heed It
If you want the very best results do not make the mistake of thinking that any ordinary commercial lye will produce the results claimed for Merry War Powdered Lye. Insist on dealer supplying the genuine—and accept no substitute.
Sold by Leading Dealers Everywhere
Merry War Powdered Lye comes in 10c cans, full case of 4 dozen cans for \$4.50, at Grocers, Druggists or Feed Dealers Everywhere. If you can't supply you, write us, giving your dealer's name and we will see that you are supplied, and will also send you a valuable booklet on How Merry War Powdered Lye Adds To The Farmer's Profits.

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Cultivates crooked rows without missing a hill. Digs same depth on level or rolling ground or against side hills. Weight 600 lbs. Adjustable shovels. No neck weight. Close hitch and chain even make each horse pull full strength. Ask your local dealer today.
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A Great Thing For the Boys

What Everybody Says of the Boys' Baby Beef Clubs

"The Capper Boys' Baby Beef Special" is now in the premium list of both Kansas state fairs and the Kansas boy with a beef calf to feed is being heard from. He sees his chance and wants to take it. What kind of a boy would he be if he didn't? Now let dad back him up in it, coach him, and encourage him to go ahead, and dad will have less cause to say in future that the boys are not showing a proper interest in the farm. After all, the Capper Boys' Baby Beef Club offers its biggest inducement to dad.

Everybody is so pleased with the idea and thinks so well of it that it looks as if there was a fine future for the first Boys' Baby Beef Club and the boys who go into it. Unlike a corn growing contest not every farm boy can participate. Not every boy has a calf he can fatten. Therefore there may not be a great number of entries the first year. However, this gives the boys who do enter for the first fat calf contest a fine chance this fall to land in the prize-winning row, and this extra inducement ought to make the first baby beef show by boy feeders at a state fair a big success. There will be great interest in it, a fact already manifest.

An Old Cattleman's Opinion

"Your plan to interest every farm boy in fattening and raising a calf for baby beef is a fine idea and I hope to see it succeed. Kansas needs to get back into the cattle-feeding, cattle-raising game, not only for the increasing profit that will be realized in it, but also for the soil's sake. The cattle ranges have dis-

appeared and they nor any other region ever could compete with the corn belt in producing the highest class of beef, the kind which always brings the premium price wherever marketed. Already the scarcity of beef animals in this country is reflected by the constantly upward tendency of the market, and the Kansas farm boy of today, so soon to be a farmer himself, will never regret any early knowledge he may pick up in taking part in the baby beef contest Mr. Capper has so wisely instituted for his boy

The oleo producer asks to be allowed to sell his product for butter. The camel in the fable only wanted to put his head in at the door.

friends. Publishers of farm journals in other corn belt states would do well to follow his lead."

So writes one of Kansas' old-time cattlemen to Farmers Mail and Breeze. It is certain the plan for a Capper Boys' Baby Beef club is going to prove a great thing for the Kansas boys.

Fair Managers Will Help Boys

The secretaries of either of the two Kansas state fairs will help every Kansas boy who expects to take part to get his calf properly entered. He need only write to the secretary of the fair where he expects to show that he has a calf to enter in the "Capper Boys' Baby Beef Special" to get an entry blank with all necessary instructions for filling it out. The secretary of the Kansas State Fair at Topeka writes:

We have your esteemed favor of the 26th enclosing offer of prizes for "Capper Boys' Baby Beef Special" for which we thank you. There has been some little delay in getting out our premium list which has made it possible for us to get this in print and we are much pleased to have it. I think it will make an interesting contest. We appreciate Mr. Capper's help in this matter and think he is doing great work among the boys of this state in the different directions he is offering his prizes.

H. L. COOK,
Secretary Kansas State Fair, Topeka.

A. L. Sponsler, Secretary of the Kansas State Fair at Hutchinson, writes:

I have yours of the 25th written by Mr. R. F. Howard, Livestock Editor of the Mail and Breeze. It pleases us very much to be recognized in the practical way expressed in your offer for the encouragement of the farmer boys in the production of beef. We shall be very glad to give this the utmost publicity. The first year in offering prizes of this kind, there is likely to be a little disappointment, owing to the fact that enough boys cannot get shaped up to participate in the contest. It requires considerable time to get a large number impressed with any new thing. But we will do our best and see what comes of it. I hope our effort and its results will be entirely satisfactory.

A. L. SPONSLER,
Secretary Kansas State Fair, Hutchinson, Kan.

Each Boy Must Fit a Calf

Each contestant must be 18 years old or under at time of entering the contest and must have a calf of his own. It must be cared for, developed and fed by himself. The calf must be a year old or over by September 1. It makes no difference what the breed is, it may be a grade, crossbred, or purebred steer, spayed or martin heifer 1 year and under 2 years. It may be fed any way the owner sees fit.

Every boy who enters a calf will become a charter member of the first Capper Boys' Baby Beef Club with headquarters at Topeka, but he must make his entry immediately by writing to H. L. Cook, secretary of the Topeka State Fair at Topeka, or to A. L. Sponsler, secretary of the Kansas State Fair at

Hutchinson, for entry blanks, which either secretary will furnish him. The class will be known as the Capper Boys' Baby Beef Special.

In addition to the regular prizes offered by each fair association Mr. Capper will offer cash prizes at both fairs of \$15, \$10 and \$5, respectively, for the three best fat calves exhibited by Kansas boys. That means six Capper prizes besides the regular prizes offered by the fair. Then after the show the boys may sell their baby beeves at auction. Mr. Capper asks that every boy who intends to enter a calf will notify him of the fact by filling out the following enrolling blank.

Enrolling Blank

ADMITTING ANY BOY 18 YEARS OLD OR UNDER TO CONTEST.

To Arthur Capper, Topeka, Kan.

I intend to compete in the Capper Boys' Baby Beef Contest at the Kansas State Fair (Topeka or Hutchinson). Please admit me to membership in the Capper Boys' Baby Beef Club for the year 1912. I agree to abide by and follow the conditions given in the paper from which this coupon is clipped.

Name

P. O.

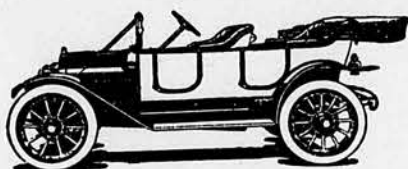
State Age

Filled out and mailed as directed this blank entitles the signer to membership in the club and to enter the contest without further notice.

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"I do, judge, I do. But I hopes we kin kinder strike an average."—Washington Herald.



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Five splendid models, ranging in price from \$1200 to \$2100. This includes complete equipment, Self-Starter, top, top cover, windshield, speedometer, gas tank, five lamps, robe rail, trunk rack, tonneau mat, demountable rims, tools, tire repair outfit, etc.

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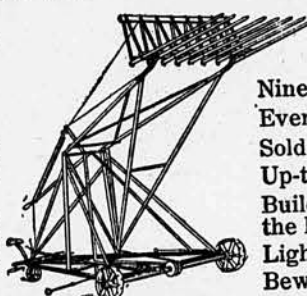
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Salina, Kan.:

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W. Starlin.



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CROPS and FARM WORK

Crop Outlook at This Time Is the Best of the Season—Moisture and Warmer Weather Are Causing Rapid Growth of Wheat and Spring Grains—Some Storm Damage to Growing Crops—Fruit is All O. K.

(Crop Reporting Service of Farmers Mail and Breeze.)

The question has come up: Shall we continue to quote the local market prices in our crop reports? Is this information useful to the readers of Farmers Mail and Breeze? During the feed scarcity of the winter and early spring when feed was very high in some counties and much cheaper in others, the local quotations reported by our correspondents were a great help in bringing buyers and sellers together, but this was a rather unusual situation. The question is, is this feature of our crop reporting service of sufficient value from week to week to keep it up, or would once a month be often enough for these reports on prices, or shall we discontinue them altogether?

What do you say? I should like to hear from our folks about this.—Editor's Note.

Generally speaking, the average farmer may be excused if he is taking a tolerably optimistic view of the crop outlook at this writing. And when crop prospects cause the farmer to smile all is well with the rest of the world. Growing crops show up better, perhaps, than they have at any time this season. This is due to warmer weather and timely showers that have been pretty general over Mail and Breeze territory within the last few weeks.

Wheat continues to stretch itself and is spreading out where stands were thin. Where moisture is plentiful the crop is growing unusually fast and Reporter Douglass of Woods county, Oklahoma, believes the growth on bottoms is too rank. Weeds are improving the opportunity too and are taking bare spots and thin places in the fields.

Oats are getting a good start and there is every prospect just now that the crop will make good in large quantities. The only regret now is that the acreage is so small. Corn planting will soon be finished and early plantings are coming up. A good deal of replanting will be necessary in Oklahoma and southern Kansas due to storms and heavy rains the last days of April.

All indications point to an unusually good fruit year now that frost danger is practically past. All kinds of fruit blossomed heavily except peaches and as a rule there was enough bloom on peach trees to mature a fair crop if all goes well.

The first alfalfa harvest is on in Oklahoma but the weather has been far from favorable to haying in most cases. In Kansas cutting will begin within another week and a heavy first crop is predicted.

Now that pasture is good in western Kansas stockmen are short of cattle to put on it. Young stock and feeders are in big demand out there.

KANSAS.

Sheridan County—Had a rain here the last part of April. Wheat has been damaged about 40 per cent through various causes. Some fields show a 100 per cent condition, while others are practically dead.—R. E. Patterson.

Wichita County—Wheat is looking green and barley is up. Had a light rain April 28, but it is dry and windy again. Stock doing well on grass. Hay \$24, potatoes \$2, corn 92 cents, cream 26, butter 20, eggs 14.—J. H. Dunlap.

Morton County—Had a big rain the last of April and grass has made a fine start. Feed and seed are scarce and high. Farm work is behind. Wheat shows 80 per cent or better in condition and the acreage is fairly large.—Mrs. Margaret McGee.

Ford County—Had a fine rain April 28 and wheat is growing nicely. Some damage was done by high winds on sandy land, but the condition would average about 80 per cent. Corn planting is in order. Cattle are on grass, but it is short.—John Zurbuchen.

Saline County—Damage to wheat is slight if any at all and the crop is in fine shape. Will soon need a soaking rain. Corn planting is on. Cattle going to pastures on account of the feed shortage. Many silos will be built this summer.—G. W. Holt.

Greeley County—Had rain in some parts of county April 28, but weather is dry and windy again. Farmers are busy planting corn, Kafir, etc. Stock doing well on grass. \$40 at sales. Butter fat 27, eggs 12½.—E. L. Partington.

Gove County—Weather cool and dry. Grass is growing slowly. Russian thistle have made good early pasture this spring. Wheat is in bad shape. Some fields look good, but

others are very poor. No hay to be had. Corn 90 cents, eggs 15, butter 20.—H. W. Schable.

Seward County—Plenty of rain and wheat looks fine. Grass is in fine shape and stock doing well. Barley and oat acreage is very small. Farmers are planting corn, Kafir and milo. Corn, Kafir and milo are each worth 80 cents per bushel. Eggs 15 cents, butter 20.—J. W. Rosson.

Ness County—Had a 28-hour rain the last of April which soaked the ground up well and has been of immense benefit to grass and all growing crops. Corn planting is in progress. Oats are looking fine and wheat is fair. Late sown wheat is best. Corn 90 cents.—C. D. Foster.

Clay County—Growing wheat is looking fine and promises an early harvest. Frequent rains and warm weather are making much needed feed in pastures. Oats doing well, but stand is not good in some fields. Corn being planted. Prospects are good for all fruits.—H. H. Wright.

Dickinson County—About 25 per cent of wheat in this county was killed out by rust and freezing. The balance is in good shape. Oats are looking good. Alfalfa is about 10 inches high and looking fine. Corn planting began about May 1. Feed is very scarce and stock is going to pasture.—J. G. Engle.

Republic County—Heavy rains the last two weeks have delayed field work. Fall on May 3 was 2 inches, which has stopped corn planting. Wheat and oats coming on fine. Reports from east part of county say the winter damage was about 25 per cent. First crop of alfalfa promises to be heavy.—Ed Erickson.

Ellis County—In some localities wheat is the best in years, but in other places it was badly frozen out. Some fields are making good pasture. Farmers are slow in getting in feed and corn. Hogs \$7, hay \$25, potatoes \$2, wheat 95 cents, corn 95 cents, oats 75, cream 22, butter 25.—S. Clements.

Chautauqua County—A tornado in this section April 26 did great damage and was followed by heavy rain and hail. Damage to growing crops was heavy and fences and many small bridges were washed out. Corn along river will have to be replanted. Gardens are good except where hail got in.—Mrs. Elmore Lounsbury.

Reno County—Had good rains the first of the month and everything is looking fine and green. Wheat fields are looking fine except where wind had blown it out. Cattle have been put on pasture, as there was no feed left. Hogs \$7, cattle \$7.50 to \$8, wheat \$1, corn 80 cents, eggs 17, butter 25.—D. Engelhart.

Hodgeman County—Had a heavy rain here the last of April, also some hail. Wheat and barley were badly cut in streaks. The rain has put an end to the terrible dust

The man who invokes all the twists, turns, wriggles and technicalities of the law has declared himself guilty.
ARTHUR CAPPER.

storms for a while at least. Some fields of wheat were entirely blown out. The stand of wheat is estimated at 50 per cent. Large acreages of cane and Kafir will be put out.—E. N. Myler.

Trego County—Plenty of moisture now and everybody is busy listing corn, cane and Kafir. Kafir acreage will be large. Wheat is small yet, but looks well. Everything doing well on pasture. Everything sells well at sales. Good spring for calves, colts, chickens, pigs, etc., and there is a big demand for all young stock since there will be plenty of empty pastures.—E. L. Dean.

Meade County—About 1 per cent of wheat was killed by snow having blown off. High winds are still hard on these bare places. Fine prospects for a large crop if weather remains favorable. Had a light rain May 3, which was badly needed. Oats and barley look well, but need more rain. Alfalfa promises the largest crop in years and will soon be ready to cut.—W. A. Harvey.

Marion County—A fine rain May 4 stopped corn planting a few days. Oats small but show a good stand. Acreage is only about 35 per cent of other years. Corn acreage will be larger and Kafir crop will be nearly double that of last year. Some fields of wheat are good, but more are poor. Condition is about 70 per cent. Alfalfa will be ready to cut in two weeks.—H. R. Heyland.

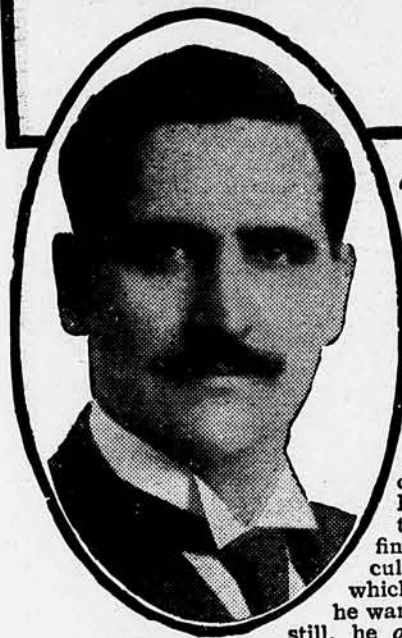
Graham County—About 65 per cent of wheat sown is good. The rest was winter killed and blown out. Most of what is growing is doing exceptionally well. Have had plenty of moisture all spring and soil is in fine shape. Oats looking fine and acreage is larger than usual. Corn planting about half done. Farmers and Merchants bank has offered \$100 for best 10-acre yield.—C. L. Kobler.

Sherman County—A good rain April 28 came too late to save all the wheat. Large acreages of spring wheat and barley are out and looking fine. Grass has put an end to hay feeding at \$21 to horses. Cattle have been on pasture since snow went off. Corn, cane and millet being put in as fast as possible. Seed corn in open cribs from 1910 crop is testing 90 per cent good.—J. B. Moore.

McPherson County—Some have estimated the wheat damage to be as high as 80 per cent in this county, but some parts of county have some very good fields. A good deal of wheat ground will be put in corn; much of the oat crop was drilled into wheat fields. Corn planting began May 1. Most cattle have been on pasture two weeks. East part

(Continued on Page 19.)

Galloway Wants to Give You Some Brass Tack Truths About Cream Separators



THERE has been so much talk and empty claims regarding cream separators published in the advertising columns of the various agricultural papers of the country in the past few years, that it's a wonder every farmer's head isn't completely muddled. I don't wonder that the cow-owner today finds it a mighty difficult matter to decide which separator, IF ANY, he wants to buy, or better still, he ought to buy. One manufacturer tells you he has the very best there is, and that his ideas are the only right ones to follow in separating milk from cream. Another firm tells you the first one is all wrong, and that he can prove he has the only correct separator. Then, a third comes into notice with the announcement that everybody else is wrong, that a cone machine, or a disc machine, or a hollow bowl machine, any one of them, are mere junk and that HE has the one and only, the divinely inspired method. And there you are—and you don't know where you are.

I Want to Have You Answer a Few Questions for Yourself, and I Won't Say a Word About Any Particular Make.

In other words, my business is to make and offer to my farmer friends, (and there are hundreds of thousands of them) what I think would be the best thing for me to use if I were in your position. I don't care whether it's a cream separator, a gas engine, or whatever it may be. I want to sit right down beside you. Each of us in a good, big, comfy chair, and tell you the things which my years of experience as a farmer and manufacturer have taught me.

About Cream Separators

This whole subject makes me think of the different kinds of doctors you find everywhere. One man says you ought to make medicine easy to take, and coats his pills with sugar. His competitor across the street or down the road believes in getting down to the root of the trouble and curing it by a surgical operation, or at some rest cure. Another one says: "Rub! Rub! It's in the bone!" The facts are, that any doctor who can make you well again is a good one, no matter

how he does it. That's the story about cream separators as to methods of separation: It's every man to his own belief, and they are all satisfied so long as the cream separator will separate the cream from the milk down to a small fraction of one-tenth of one per cent.

Of course, when I am talking to a man to sell him one of my own particular make I am going to tell him why I believe in a particular method. Perhaps he believes in that same method, only he don't know positively that he does believe it. There are, however, only two big questions to be settled in deciding between several separators, each of which will bring the same results in the skim milk test. These are:

1. Which Separator Will Bring the Results With Least Work?
2. Which Separator, All Things Considered, Will Cost Least?

As to the first question, in the matter of easy turning. It is possible to make a cream separator with a turning mechanism which is nearly frictionless, but in order to keep it nearly frictionless you have to watch the fine mechanism so closely that it's more work than actually turning a separator not so nearly frictionless. It is possible to manufacture a cream separator which requires so little oil that economy of oil is a sales proposition to be considered. But every piece of mechanism, as finely turned as a cream separator, requires a certain amount of lubrication to avoid heating and wear, and while little oil may look good from a sales talking point, it won't work out on a durability basis.

To answer all these questions, in my own mind, I have come to the conclusion that where lubrication is needed, there should be plenty of oil. That where ease of turning is one of the final questions in a separator, as it is, the well balanced machine—the separator which isn't too easily thrown out of adjustment, the machine which isn't made out of adjustment, the machine which isn't made out of adjustment, this all-around, easy turning, thoroughly lubricated cream separator is the one which will deliver the goods, twice a day, three hundred and sixty five days every year.

Galloway's Best Proof!

Is the thousands of letters he has received, like these: Theodore Casper, Dodgeville, Wis.—Would not trade for any of those high priced separators. I have used the — for twelve years, paid \$125.00 for it, but I like the Galloway far better. I think it is more durable and a closer skimmer.

A. F. Matzke, Western, Nebr.—Our separator is the best of any I have seen. We saved \$40 in buying a Galloway.

H. W. Schwobe, Clinton, Wis.—I saved just \$54 as the same size of other machines would cost me \$110 at home here.

Second: Which Separator, all things considered, will cost me the least? This is really a simple deal when you get right down to the bottom of it. The answer is, buy the separator which will stand up and deliver all the cream, and which will cost the least, quality considered.

These men who sell high priced separators talk about the first cost being a minor consideration. Of course they'll tell you that; they have to. And if in that cost there wasn't put a big profit for the manufacturer and another big profit for the dealer, they would be right.

They tell you that no man or firm is in business for philanthropy's sake, and that when you buy a cream separator you get just what you pay for. And they are right again. But when you buy through a dealer you pay for: First—The cost of manufacturing the cream separator, and Second—The cost of keeping up an expensive sales organization, and buying shoes and luxuries for the dealer. They tell you that no man is in business for philanthropy, and yet in the same breath they ask you to be philanthropic enough to pay for your separator, and help support the dealer who sells the separator to you. Consistent, isn't it?

When the price of a cream separator which will skim 500 pounds of milk an hour, is \$75 through a dealer, and the same capacity cream separator, just as efficient and as easily turned (talking most conservatively), costs you only \$49.50, if you buy it direct from the manufacturer, question: How much are you paying for a separator, and how much are you paying middlemen?

Here's Galloway's Advice When Buying a Cream Separator

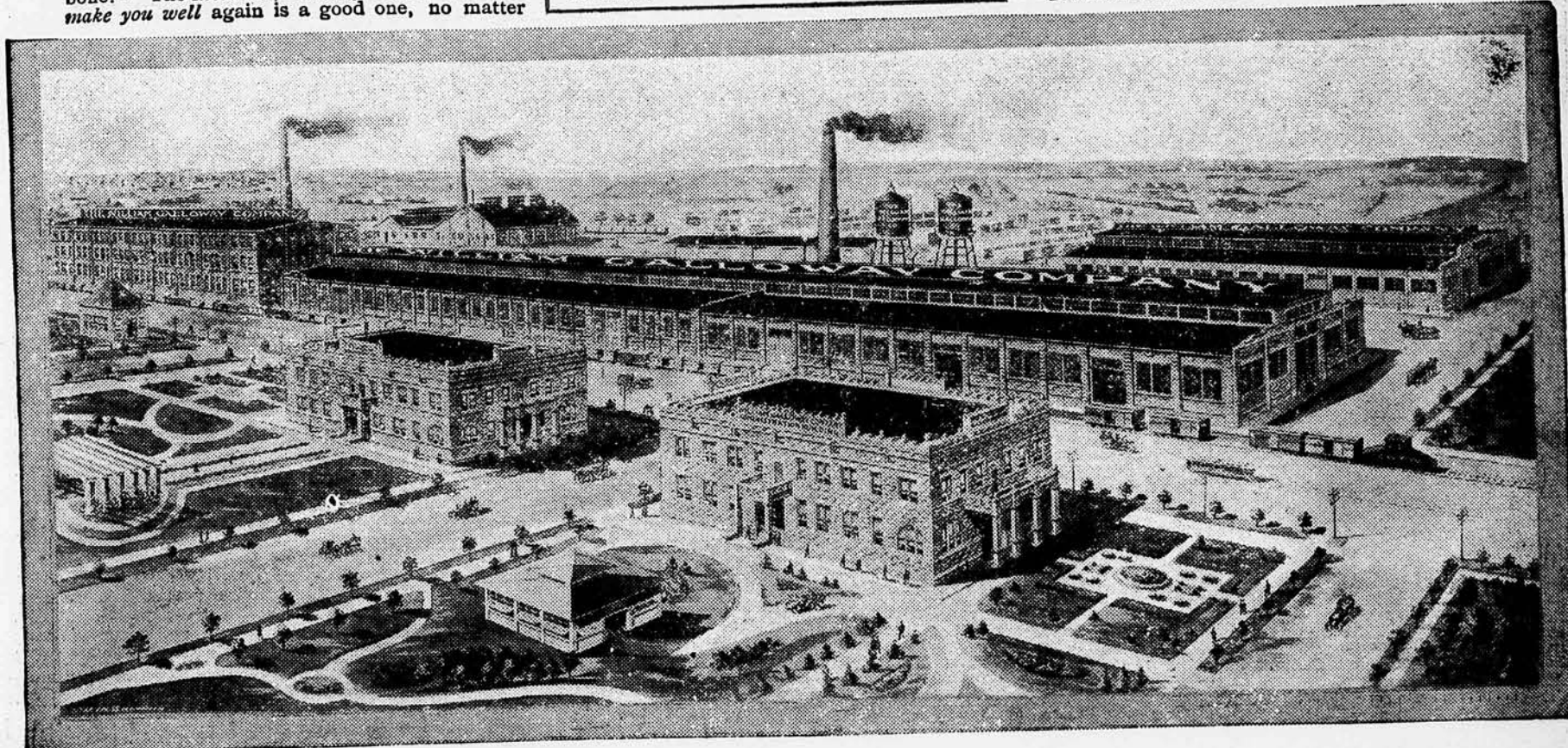
Get the cream separator which suits your ideas as to method, but be sure it's the separator which will turn the easiest, will last the longest, will keep on working twice a day, every day in the year, this year, next year and ten years from now. And, above all, be sure you are paying only for a cream separator—getting all you pay for.

If you think you would like to hear more details than I can give you here, just remember you have a friend at Waterloo who will tell you the whole truth, and nothing but the truth about anything you want to ask him.

I have a cream separator book which describes the Galloway Separator, it is true, but it also gives my long years of experience in dairying. It contains what I learned as a farmer, a dairy farmer, what I learned as a salesman on the road, and what I have learned through dollars spent in experimenting with and manufacturing my separators. It's a hand-book on cream separators which can be referred to with complete confidence. If you want this book, I'll be glad to send it.

Wm. Galloway, President

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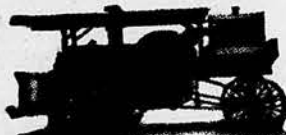
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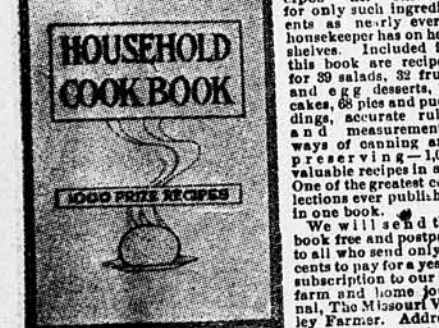
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Dry-Farming Ways With Melons

BY P. M. JOURNEY.

[Written for Farmers Mail and Breeze.]

Any good sandy loam is good for melons, but it should be well fertilized to insure the best results. In semi-arid conditions list the land as for corn, and fill in every other row with straw, also drop a light bunch every 8 feet in the unfilled row. In the row with the bare places dig holes perhaps 10 inches deep with the hoe and put in a half gallon of manure. Cover with several inches of soil, plant 7 or 8 seeds and hill the dirt up over them 2 or 3 inches. When the planting is finished spread out the bunches of straw between the hills. Cultivate as for corn, till plants are matured taking care each time to have some one go behind the cultivator and uncover the vines, also do some good hoeing occasionally. Fill in the ditches that are covered with straw at the same time you cultivate the melons. This helps to hold the moisture and always gives fine results. Tomatoes treated this way also do well.

Barnyard manure is best to use, but it should not be too fresh. If 3 weeks old and forked over once or twice it will be about right. Melons have only surface roots, hence the idea of putting the manure in the hill. The planting should not be done until danger of frost is past. Muskmelons are grown in this way as well as watermelons.

Arapahoe, Neb.

[Many melon growers do not put the manure all in a heap in the hill as only a small portion of the roots will then be able to draw on it, and because the manure has a tendency to dry out the hill and make the plant "fire" during a drouthy season. A more general practice is to spread the manure out and mix it up well with earth.—Ed.]

Why Coburn Reviles Them

Secretary Coburn prefaced his spring crop summary with this statement:

Kansans think they now have about 6,065,000 acres of growing winter wheat, in a condition averaging 81.2. This despite the vast areas being slain daily on La Salle street, Chicago, and by Pullman-touring self-confessed grain sharps sent out from that vicinity each spring on journeys of devastation, who if awake, and seeing is good, can see half a mile.

Lambasting the crop boomers and crop killers is more than a fad with the Kansas secretary, although, apparently he enjoys it. The truth is, thanks to Secretary Coburn, that the accurate crop-reporting system of the Kansas board is the only bulwark that stands between producer and consumer on the one hand and such wildcat speculation in wheat on the other as would make the spectacular gambling we are used to seeing in the cotton ring insignificant by comparison. Few Kansans probably realize what would happen if it were not known in every grain center that the Kansas reports are unimpeachable.

Coburn knows the wheat speculators as our enemies and treats them accordingly.

Tom McNeal a Hit in Florida

T. A. McNeal, editor of Farmers Mail and Breeze, accompanied the special editorial excursion which went from Chicago April 24, to attend the celebration of the opening of the drainage canals of Florida. The Miami Herald in its report of the exercises says:

The gem of the whole evening, and the address that received by far the greater applause, was one given by T. A. McNeal, of Topeka. His address was humorous at times, eloquent always, and had for its underlying purpose a cementing of the sections, however divided. His illustration of a common Americanism by the incidents of the sinking of the Titanic was particularly effective. He praised Florida and said that Miami was the most beautiful city he had ever seen.

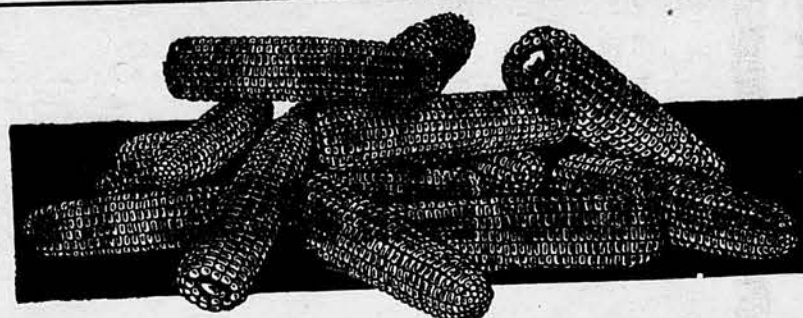
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Has extra large ears—extra heavy grain. Matures in 100 days. This corn has been carefully and accurately tested and showed 98 3/4% germination. It is a mighty safe investment and will please you in every way.

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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

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Tipped, Butted and Graded. 4 or more bu. at \$1.50 per bu.

Get My Illustrated Folder Describing

Zimmerman's Tested Seed Corn

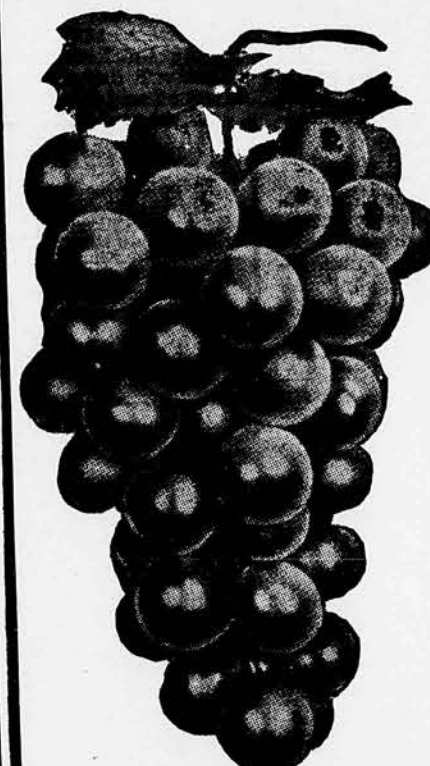
My seed corn is grown under special contract by one of the best known and most successful growers in the West. Write quick for circular and prices. Quantity limited this year. Get your supply before the BEST is all taken! My TESTED seed corn brought first prize State Corn Show at Manhattan, Kan., last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

Beautify Your Home and
Make Money at Our Expense



We will conclude the biggest and most successful subscription campaign we have ever conducted on this paper with the most timely, most valuable and most pleasing offer ever made for new or renewal subscriptions.

We are going to send six fine large two-year-old grape vines, two of each variety, every one a number 1 plant, FREE AND POSTPAID to any person who will send \$1.00 for a year's subscription to Mail and Breeze, mentioning this offer.

Every yard, every garden, every arbor should be further beautified and enriched by the addition of these six choice selected grape vines. They will make you money.

THE VARIETIES ARE AS FOLLOWS.

CONCORD—The grape that is famous all over America and decidedly the most popular of all. It is a most reliable grape for general cultivation.

WORDEN—A black grape and earlier than the Concord. The bunches are large and compact, the berries very large and with thin skin. Ripens from five to 10 days earlier than Concord. The berry is larger and the quality excellent.

NIAGARA—The Niagara is a white grape with berries noted for their sweet flavor. The bunches are beautiful and compact, berries are small.

We have selected the above varieties as especially adapted for home cultivation. They are most highly recommended by nurserymen and will be packed in splendid condition before being sent to you at the proper time for planting.

You will be surprised how easily you can start a beautiful grape arbor and how quickly these vines will begin to produce. Grape vines are easy to care for and add a beauty and charm to yard or garden that adds value to your home.

Special Trial Subscription Offer—If you will get up a club of 4 three months' subscriptions to Mail and Breeze at 25 cents each we will send you the collection of six vines FREE and POSTPAID.

This offer is good for 20 days only. Write your name and address in full on the coupon below, and send it with a remittance of \$1.00 to The Mail and Breeze, Topeka, Kansas.

Mail and Breeze, Topeka, Kansas.
Enclosed find \$1.00 for which send me the Mail and Breeze for one year and send me the six choice selected grape vines advertised in your paper.

Name

Address

Mail and Breeze, Topeka, Kansas.

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If you only knew what splendid music the Victor brings into your home, you wouldn't be without one for a single day.

There is a Victor dealer right in your neighborhood who will gladly play your favorite music. Write us today for his name and address and we'll also send you complete catalogs of the Victor (\$10 to \$100) and the Victor-Victrola (\$15 to \$200). Easy terms can be arranged with the dealer if desired.

Victor Talking Machine Co.
24th and Cooper Sts.
Camden, N. J.
Berliner Gramophone Co., Montreal
Canadian Distributors

Always use Victor Records played with Victor Needles—there is no other way to get the unequalled Victor tone.

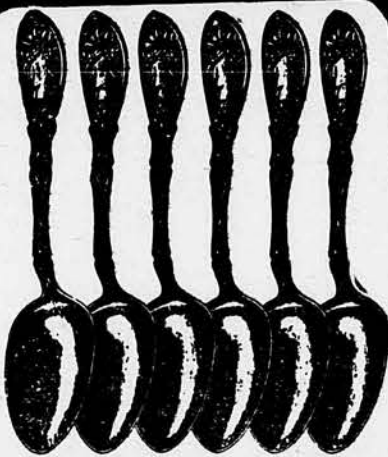


BROWN FENCE

MOST durable fence made. Heaviest wire. Double galvanized. Stock strong. Chicken tight. 13 to 35c per rod. Sample free. We pay freight. The Brown Fence & Wire Co. Dept. 18 Cleveland, O.

SIX SILVER TEASPOONS

FREE



Greatest Premium Offer to Mail and Breeze Readers!

Here is an offer which should interest every housewife! No matter how many teaspoons you have you surely cannot afford to miss getting one of these beautiful sets on the very remarkable offer we are now making.

We purchased 1,000 sets of these spoons from the well-known Oxford Silver Plate Co., at a price so far below usual cost that we can afford to give one set free to all who accept our offer.

They are silver plated and handsomely engraved and embossed in the beautiful Narcissus design, which extends the entire length of the handles on both sides, making a most pleasing effect. Each spoon is full standard length and weight; the bowls are extra deep, perfectly plain and bright polished; the handles are finished in the popular French gray style.

Send us \$2.00 to pay for a new or renewal subscription to Farmers Mail and Breeze for a year, and we will send you, absolutely free and postpaid, one set of six handsome Silver Plated Narcissus Teaspoons.

Remember we have just one thousand sets of these spoons on hand and this offer is good only while our supply lasts. We will cheerfully refund your money if you are not perfectly delighted with the spoons after you receive them. Don't delay. Send your order today.

FARMERS MAIL AND BREEZE
Dept. 10, Topeka, Kansas

Narcissus Spoon Set Coupon

Mail and Breeze, Dept. 10, Topeka, Kan.
I enclose \$2.00 to pay for a year's subscription to Farmers Mail and Breeze. You are to send me free and postpaid the six Narcissus spoons described above.

My Name.....

Address

Passing Comment

(Continued from Page 5.)

of years. If possible before you purchase go and make a personal examination and be sure to keep a cool head on your shoulders while you look. If you cannot go yourself have some disinterested person of good judgment in whom you can trust go and examine the land for you and then if you determine to buy, buy with the understanding that you will probably have to wait five years for returns on your investment.

It may be that you will realize before that time. If so, so much the better. Do not figure on making a hundred per cent annually on your investment. If you can net 10 per cent you are making a good investment.

I do not wish it to be understood that the people who are selling Florida lands are a set of merciless sharks and robbers. Some of them probably are but most of them are not. They are subject to climatic intoxication just like the visitors. They put the best side forward and dwell on the exceptional cases where enormous returns have been gathered until they really persuade themselves that these exceptional cases represent the average.

The man of intelligence, energy and grit who is willing to wait and work can do well in Florida. The man also who wants a place where he can live after a fashion with little or no exertion may find Florida the place he is looking for. He doesn't need many clothes nor much house. If he has a kitchen in which to cook his simple fare, a place to sleep enclosed with mosquito netting and a fish pole he can get along. He can catch enough fish to supply him with meat. On an acre he can raise enough truck to supply his table with vegetables and so he can live the simple life without ambition and with the expenditure of little energy. He will not amount to a whoop but he can get the actual necessities of life with as little work I should think, as anywhere in the United States.

This is not the kind of a life a Kansas man desires. I assume that he will try to get in to the other and progressive class.

Crops and Farm Work

(Continued from Page 16.)

of county has had plenty of moisture recently, but in northwest it is dry. Good fruit prospects.—John Ostlund, Jr.

OKLAHOMA.

Kiowa County—Terrific cyclones destroyed parts of several towns April 27 and 28 and did some damage in rural districts. Some lives were lost. Some Kafir and cotton planted and general spring planting is in order.—Mrs. Alice Henderson.

Roger Mills County—Wheat shows a stand of about 80 per cent and about 85 per cent in condition. Ground dry on top and needs some rain. Cotton planting has begun, but acreage will be small. Milo and Kafir also being put out.—Hugh Sober.

Payne County—Big rains April 27 and 28 ruined some cuttings of alfalfa on bottom land and damaged planted corn. Wheat and oats are doing well. Some wheat is over a foot high. Large acreage of cotton and Kafir being put out.—A. M. Leith.

Caddo County—Had a big rain May 3, also heavy rain with cyclone and some hail on April 27, which did considerable damage to crops. Oats look well and wheat could not be better. What cotton was planted will have to be replanted.—H. Reddington.

Woodward County—Farmers are busy with spring planting. Present prospects indicate a good crop year. Have had good rains, also some local hail storms, but not much wind. Wheat is fine and everything is growing fast. Will have a good fruit crop.—George L. Boswell, Jr.

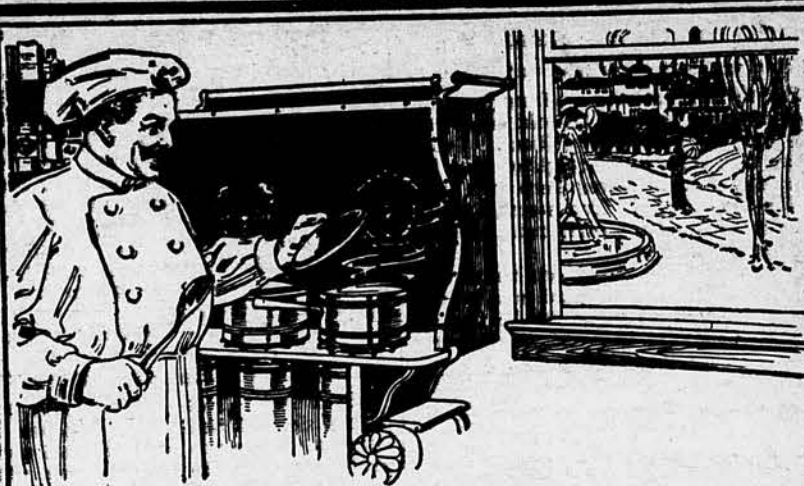
Mayes County—Early sown wheat looks very well and shows a condition of about 70 per cent. Condition of late sown fields is about 50 per cent. Oat acreage small. Corn planting in full blast. Plenty of rain. Stock doing well. Plenty of work on the railroad here.—L. A. Howell.

Custer County—Big rain, wind and hail storm April 27 did great damage to fruit gardens and oats. All Kafir and cotton must be replanted, also some corn. A cyclone in the western edge of the county caused some loss of life and did much damage to buildings and stock. Also had 1½-inch rain May 3.—E. E. Baker.

Kay County—Heavy rains have delayed corn planting again and some farmers have none at all. Chinch bugs are present in large numbers and will damage wheat, oats and corn if the season is not favorable to these crops. Only about 30 per cent of the corn planted. Grass making good growth with prospects of big hay harvest.—Sherman Jacobs.

Woods County—Wheat is doing fine and that on flats in the eastern part of the county is almost too rank in growth. The crop is late on hills and getting weedy. Oats, barley and gardens are late but doing well. About half of corn planted and some is up. Have had two or three showers each week lately. Alfalfa looking well. Fruit is all right.—W. C. Douglass.

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



The New Perfection Oil Cook-stove Suits Everybody

It suits the most exacting French chef. It suits the housewife. It is found in luxurious villas—in camps—in farms—in humble city homes. Everybody uses it; everybody likes it. It is the all-round stove for all the year round. It bakes, broils, roasts and toasts as well as a coal range. It is equipped with a special heating plate, and we sell the New Perfection oven, broiler, toaster, and pancake griddle—each specially designed for use with the

New Perfection Oil Cook-stove

All dealers sell the stove. It is handsomely finished in nickel, with cabinet top, drop shelves, towel racks, etc. Long chimneys, enameled turquoise-blue. Made with 1, 2 or 3 burners.

Free Cook-Book with every stove.

Cook-Book also given to anyone sending 5 cents to cover mailing cost.



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Warranted For Twenty-Five Years. FREIGHT PAID To Any Station East of Rocky Mountain, N. D., S. D., Wyo., Mont., N. M., La., Colo., Miss. and Fla., on all orders of three rolls or more. Special Prices to these States on request.

ONE-PLY Weighs 35 lbs., 108 Square Feet, \$1.10 per roll.
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TERMS CASH. We save you the wholesalers' and retailers' profit. These special prices only hold good for immediate shipment.

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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. 426, East St. Louis, Ill.

FREE Six Beautiful !! MONTHLY-BLOOMING ROSES !!

Here is the most attractive Free Premium offer ever made! It is an offer which should bring 50,000 new subscriptions to our popular farm magazine during the next few weeks. Everyone loves flowers and the one special favorite of all is the Rose. In order to make this by far the most attractive and most winning offer ever advertised we have secured a superb collection of six of the most beautiful roses to be found in America. They are not cheap common varieties—they are the rarest and most famous plants ever offered. They are well-rooted, strong and healthy—guaranteed to give satisfaction or money cheerfully refunded. We head this big-value collection with



The "Blumenschmidt"

Wonderful

The Latest and Most Beautiful Rose Discovery!

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 petals edged with the slightest tint of rose. A variety of most vigorous growth and winner of many premiums at horticultural shows.

In all, Six Different Colors: Red, White, Silvery-Carmine, Golden Yellow, Pink and Crimson.

The other Roses included in this most exceptional offer are all first quality plants, carefully packed and sent prepaid at proper time for planting. They are as follows: 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 GUILLIMOT, finest silvery-carmine rose ever offered; the WHITE MAMAN COCHET, snowy white, with rich, full flowers. This liberal offer is made solely for the purpose of advancing our big farm paper, The Mail and Breeze. Here is our offer. We send all the above collection of six fine Roses with One Year's subscription for only \$1.00. Order at once before they are gone. Address

FARMERS MAIL AND BREEZE, Rose Dept., 801 Jackson St., TOPEKA, KANSAS

MY NEW CENSUS BUSINESS GUIDE is the fastest selling book on earth. Agents earning \$10 daily. Every living man needs it. Write for my free outfit today. PROF. NICHOLS, Dept. P, WAPVILLE, ILL.

Sheet Music Bargains in the very latest selections of all sorts. We sell cheap or than others can. WRITE FOR CATALOG. JENKINS MUSIC CO., Kansas City, Mo.

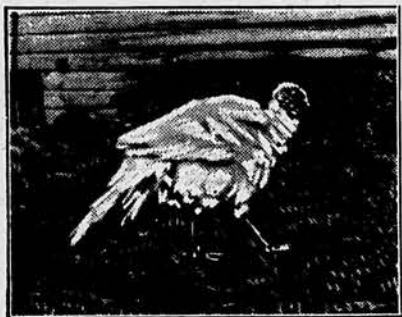
Ways to Success With Turkeys

BY EDWARD LIND.

[Written for Farmers Mail and Breeze.]

Choose the largest hens from your own flock keeping some of the old quiet ones and one or two young hens. Get a young tom from some neighbor that has a healthy flock. Never keep two toms on the same farm. The worst enemies turkeys have are crows, rats, coyotes and the cholera.

Barrels or boxes filled one third with straw, laid in the orchard and partly covered with brush make the best nests. They begin laying in April. Gather the



THE WHITE TURKEY.

The Mammoth Bronze is the Plymouth Rock of the turkey world, the Bourbon Reds though smaller are favorites because of their domesticity and the White Holland turkey is especially prized as a market fowl for its pink white skin. Young hens usually weigh 10 pounds, old gobblers 26 pounds.

eggs every evening until a hen wants to set. Then give her 16 to 18 eggs in her own nest and set all the other eggs under chickens at the same time. When hatched give all the turks to the turkey hen.

When the next hen wants to set give her some eggs if there is a full setting, otherwise break her up by upsetting the box or barrel containing her nest. If not allowed to set a turkey hen will lay three settings of eggs. Do not set any as late as July as the turks will only be a bother in cold weather. When hatched the hen may take them to the alfalfa or wheat field and not come back to her nest. If so, let her go. She will take better care of them than any human can. In feeding give the hen corn to fill up on so she will not rob the turks of their food. Give the turks hard boiled eggs chopped fine once a day in the afternoon.

Provide a roosting place for the flock having the roosts not lower than 7 feet from the ground. After June 10 get rid of the tom for he is only a nuisance after that, killing chickens and other poultry. Nothing equals turkeys as grasshopper and army worm destroyers. A flock will eat many bushels of insects in a season.

Cedar, Kan.

Breeding Vigor Into a Flock

BY H. A. BITTENBENDER.
Oklahoma Agricultural College.

Mr. Editor—There are several things that the lack of strength of the breeding stock influences; not only are the birds themselves not as strong and vigorous and productive, but we find that the eggs are less fertile and a larger percentage of the chicks do not grow to maturity. The strong bird is very active, stands squarely on its feet with its hocks set well apart, showing width and depth in every section; the head is short, broad, deep and compact, with a beak that is stout, broad and well curved; an eye that is full, round and prominent; the face is short and full; the comb, wattles and face are blood red in color; the back is broad and carries its width well out toward the end; the ribs are well sprung, and the breast broad, deep and thickly fleshed; the thighs thick, full, plump and set wide apart; the shanks bright in color and not shrunken; the toe nails well worn.

The Physically Weak Bird.

The physically weak bird presents a directly opposite appearance. It is inactive, would rather squat than stand erect and its hock or knee joints are close together, with its feet spread wide apart. The head is rather long, the whole head having the appearance of a crow's head or often termed snake-headed. The breast lacks in depth and width, and is not thickly fleshed, often termed "hatchet breasted"; the thighs

are not set wide apart, nor are the shanks as bright and clean as those of the strong bird.

It takes but a little time to go into the flock and separate out 15 to 25 of the strongest females and a couple of the strongest males to mate with these females. We can use the eggs from these specially selected birds to set for hatching. In this way we can easily increase the vigor, strength and productivity of our flock. At the time we select for vigor and vitality, we should also select for uniformity and purebred characteristics.

Stillwater, Okla.

Why Not More Bourbon Reds?

Mr. Editor—I do not see why more people do not raise the Bourbon Red turkeys. They are easy to raise and as gentle and easy to handle when sitting as an old Plymouth Rock biddy. I move mine about and set them just where I want them to be without any trouble. They are the ideal turkey for the busy farmer's wife to raise and a large flock of them is a beautiful sight. Tell Mail and Breeze readers there is nothing better for bowel trouble in turkeys than a teaspoonful of Epsom salts and 3 drops of turpentine given every other day for a week.

Mrs. D. W. Shipp.

Belleville, Kan.

Remarkable Success With Incubator Chicks

Dear Sir: I run several incubators and have good success with my hatchlings, but have lost thousands of the little downy fellows from bowel trouble. A lady recommended Walker's Walko Remedy, so I sent 50c (M.O.) for a box (post-paid) to the Walker Remedy Co., L. 9, Lamoni, Iowa. I tried it on 350 chicks and they grew very strong, being nearly full feathered at four weeks. I never lost one from bowel trouble. It is certainly fine for incubator chicks; gives them strength and vigor as well as preventing bowel trouble.—Mrs. A. D. Wells, Boliver, Mo.

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 GEES.

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

BANTAMS.

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

MINORCAS.

S. C. W. MINORCA eggs \$1.00 per 15. C. E. Grandie, Pittsburg, Kan., R. 3.

BRAHMAS.

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

LANGSHANS.

WHITE LANGSHANS—Eggs at \$1.00 per 15. Wm. Wischmeier, Mayetta, Kan.

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

BLACK LANGSHANS—Eggs from pens scored cockerels \$1.50-\$2.00; range \$1.00. John Bolte, Axtell, Kan.

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

RANDELL'S Black Langshans and Runner ducks. Eggs \$1.00 per setting. For circular write Bert A. Randell, Mt. Zion, Iowa.

TENNEHOLM LANGSHANS—The big, black kind that lay in the winter. Eggs, \$1.50 per 15; \$2.50 per 30. Mrs. E. S. Myers, Chanute, Kan.

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%; cks, 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.

Reliable Poultry Breeders

RHODE ISLAND REDS.

RHODE ISLAND WHITE hens, F. Bucher, 1009 W. Pine, Enid, Okla.

REDS in both combs. Mating list free. G. D. Willems, Inman, Kan.

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

ROSE COMB REDS—Eggs from fine stock 30 \$2, 100 \$4.50. John A. Reed, Lyons, Kan.

R. C. REDS, score 90 to 93. Eggs \$3 per 15. Rates. Mrs. Ina Hayford, Pomona, Kan.

R. C. R. I. REDS; high scoring; eggs \$1.00 for 17, \$5.00 100. S. V. Good, Seneca, Kan.

SELECTED ROSE COMB RED eggs \$1.00 for 15. J. M. Parks, Route 4, Kingman, Kan.

R. C. R. I. REDS—Dark rich red. \$1.00 for 15, \$5.00 for 100. C. F. DeBord, Freeport, Kan.

CHICKS from Rose Comb Rhode Island Red prize winners 10c each. S. H. Lenhart, Abilene, Kan.

PURE BRED S. C. REDS—15 eggs 75c, 100 \$3.50; baby chicks 10c. J. B. Scott, Gas, Kan.

PURE S. C. REDS, splendid laying strain. Eggs \$1.00 15, \$5.00 100. Mrs. W. L. Maddox, Hazelton, Kan.

S. C. RHODE ISLAND eggs from my fancy pens. Write for prices. Clyde C. Whiteley, Wichita, Kan.

ROSE COMB RED eggs sixty cts. per setting; four dollars per hundred. Mrs. Jas. Shoemaker, Narka, Kan.

THOROUGHbred REDS—Six splendid pens; both combs; mating list free. T. N. Marshall, La Cygne, Kan.

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

SINGLE COMB RHODE ISLAND RED eggs, \$3 per 100; \$1 per 30. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.

NEOSHO POULTRY YARDS—Rose Comb R. I. Reds score to 93. Satisfied customers. J. W. Swartz, Americus, Kan.

HIGH CLASS Rose Comb Reds. Eggs for hatching guaranteed. Send for mating list. Fred T. Nye, Leavenworth, Kan.

ROSE COMB RHODE ISLAND REDS. 75c per 15, \$3.50 per hundred. Good utility stock. Adda Walker, White City, Kan.

ROSE COMB RHODE ISLAND RED eggs, excellent laying strain, \$1 per 15, \$5 per 100. Mrs. D. W. Osborn, Pawnee City, Neb.

SEVEN YEARS a breeder of R. C. Reds. Good layers; farm range eggs \$4.00 100. Anconas \$1.00 15. Mary Bartley, Barnes, Kan.

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RHODE ISLAND RED eggs. Tompkins strain. Both combs. Score to 94%. Eggs \$1.50 to \$3.00. Red Colony Farm, Elk Falls, Kan.

ROSE COMB R. I. RED eggs from prize winning stock. Range \$5.00 per 100. Selected pened \$2.00 for 15. Ferd Myer, Centralia, Kan.

S. C. R. I. R. EGGS \$1.00 per 15. Vigorous, laying strain. Good color. Pen stock. Via S. F. or Mo. P. Mrs. H. H. Herst, Argonia, Kan.

EGGS from well selected pure bred free range R. C. R. I. Reds \$1.00 for 15; for 50 or 100 or more 4 cts. each egg. J. H. Cannon, Preston, Kan.

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.

ROSE COMB Rhode Island Reds. Eggs from pens reasonable for quality. Range flock \$4.50 per 100, \$2.50 per 50. Send for circular. Mrs. J. Wedd, Oakhill, 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 15. Sibley strain. Ruby Morris, Rosalia, Kan.

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.

FOSTER'S REDS (Rose Comb exclusively) won more points at the late Topeka show than all other competitors. Champion winners in previous seasons. Eggs for hatching. Send for mating list. Frank H. Foster, Topeka, Kan.

SINGLE AND ROSE COMB R. I. REDS. Eggs from best laying, richly colored strains in the country. 15 for \$1, \$4 per 100. Farm range. Prize winning pens \$2.00 and \$3.00 per 15. Col. Warren Russell, Odessa Farm, Winfield, Kan.

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 setting. \$5.00 per hundred. Address Grandview Stock Farm, Americus, Kan.

DEEP RED R. C. REDS—Pens headed by State Show and other show winners. All scored stock. Eggs cheapest in the West, quality considered. \$1.00 to \$2.00 per 15. Large yard of choice color, shape and size. \$4.50 per 100. Free circular. Stover & Myers, Fredonia, Kan.

Reliable Poultry Breeders

RHODE ISLAND REDS.

SINGLE COMB RHODE ISLAND REDS. Descendants of state winners. Heavy winter layers. 15 eggs \$1.00, 100 \$5.00. Chicks 15c. W. Drake, Nickerson, Kan.

RHODE ISLAND REDS—Both combs. One of the oldest Red breeders in Kan. Ten matings to furnish eggs for hatching. Fertility and safe arrival guaranteed. Prices within reach of all. Illustrated mating list free. H. A. Sibley, Lawrence, Kan.

LEGHORNS.

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

S. C. BROWN LEGHORN eggs. \$3.25 100. Chas. Lorenz, Hitchcock, Okla.

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

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

EXTRA GOOD S. C. W. Leghorns. Eggs, chicks. Armstrong Bros., Arthur, Mo.

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

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

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

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

PURE S. C. BROWN LEGHORNS—Eggs, 30 \$1.00, 100 \$3.00. S. Oveson, Osage City, Kan.

EGGS—S. C. W. Leghorn, 100 \$3.00. Wm. Norris, Newton, Kan., Rt. No. 5.

SINGLE COMB WHITE LEGHORNS. Eggs \$3 per 100. Harry Givens, Blue Rapids, Kan.

ROSE COMB BROWN LEGHORN eggs, fifteen \$1.00. Hundred \$4.00. B. F. Evans, Wiley, Kan.

PURE BUFF LEGHORNS, S. C.—Eggs, 30 \$1.75, 100 \$4. J. A. Reed, Route 2, Lyons, Kan.

S. C. BROWN LEGHORN eggs for hatching. \$4.00 per hundred. H. N. Holdeman, Meade, Kan.

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.

S. C. BUFF LEGHORNS—Prize winners. Eggs for sale: \$1.00 per 15, \$5.00 100. George J. Dorr, Osage City, Kan.

GUARANTEED thoroughbred pure White S. C. Leghorn eggs, 15 75c, 100 \$4.00. J. A. Blunn, Sta. A, Wichita, Kan.

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

S. C. W. LEGHORN eggs the remainder of the season, \$1.00 per 15, \$4.50 per 100. Geo. S. Phillips, Tecumseh, Neb.

DORR'S prize winning pure Single Comb Brown Leghorns. Eggs \$3.50 per 102; \$2 12½. Chas. Dorr & Sons, Osage City, Kan.

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

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

SINGLE COMB BUFF LEGHORNS—Prize winners. Egg circular free. Prices reasonable. Chas. M. Childs, Pittsburg, Kan., Route 3.

DORR'S PRIZE Rose Comb White Leghorns won the best prices at the State Show. Eggs 15 \$1.00, \$5.00 per 100. A. G. Dorr, Osage City, 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.

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

THOROUGHbred Rose and Single Comb Rhode Island Red eggs from 93 to 94 point mates and high scoring females, trapped for superior egg production, \$2 per 15, \$3.50 per 30, \$5 per 45. D. J. Bliss, Carthage, 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.

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.

Reliable Poultry Breeders

PLYMOUTH ROCKS.
BUFF ROCK baby chicks and eggs. Mrs. Fred Miller, Wakefield, Kan.
WHITE ROCK eggs, 15 \$1.00, 100 \$4. Mrs. Frank Powell, Buffalo, Kan.
BUFF ROCKS—Write me today for list. William A. Hess, Humboldt, Kan.
BARRED ROCK eggs 15 75c, 100 \$4.00. Mrs. Serene Bray, Cleveland, Kan.
EGGS—Stock direct from "Fair's" White Ivory Rocks. Miss Dolson, Neal, Kan.
WHITE ROCK eggs. 60 per cent hatch guaranteed. W. J. Lewis, Lebo, Kan.
STEINER'S WHITE ROCKS—Eggs \$5.00 per 100. E. H. Steiner, Sabetha, Kan.
100 BUFF ROCK eggs, \$3.50; 100 chicks \$12. Mrs. M. E. Stevens, Humboldt, Kan.
RINGLET ROCKS—Laying strain. Eggs, dollar per 15. Tracy's, Conway Springs, Kan.
WHITE ROCKS—Quality good; eggs and chicks for sale. J. A. Kauffman, Abilene, Kan.
WHITE ROCKS—State Show winners. Eggs \$2 and \$3 per 15. R. C. Lane, Newton, Kan.
PLYMOUTH ROCK eggs for setting, \$1.25 per 15, \$2.00 per 30. J. R. Collins, Solomon, Kan.
BUFF PLYMOUTH ROCK eggs for sale. \$1.00 per 15. Mrs. M. D. Lighthall, Dwight, Kan.
BARRED ROCKS. Winners, weathers and layers. 15 eggs \$1. O. Warrenburg, Centralia, Kan.
BARRED ROCKS—Large, vigorous farm raised. 50 eggs \$2. Mrs. Ernest Rowe, Jewell, Kan.
BARRED ROCK eggs and chicks from scored birds. Mrs. H. F. Schmidt, Humboldt, Kan.
BARRED ROCK eggs from special mating \$1 per setting, \$5.00 per 100. M. Burton, Haddam, Kan.
BUFF ROCK eggs, pure bred, 75 cents per setting, two settings \$1.25. Edward R. Kelley, Beattie, Kan.
WINTER LAYERS—Thoroughbred, Buff Rocks exclusively; selected settings; 75c up. C. Beall, Alma, Mo.
PARTRIDGE ROCKS—Noftzger strain. 15 eggs \$2.00, 12 baby chicks \$3.00. Harry Zerger, Winfield, Kan.
WHITE ROCKS—Scored to 94 by Stoner. Eggs 15 \$1.00; 100 \$4.00. Mrs. J. W. Hoornbeek, R. 3, Winfield, Kan.
BARRED PLYMOUTH ROCKS exclusively. Eggs 30 \$1.50; 100 \$4.00. Catherine Beightel, Holton, Kan.
PRIZE WINNING WHITE ROCK eggs for sale. 15 \$1.50; \$5.00, \$6.00, \$7.00 per 100. Mr. E. Brooks, Frankfort, Kan.
BARRED PLYMOUTH ROCKS exclusively. Eggs 60 cts. per 15, \$3.00 per hundred. Mrs. S. B. Shaw, Goff, Kan., R. 3.
PURE BUFF ROCK eggs (farm range) for hatching, \$4.50 per 100. Mrs. Perry S. Myers, Fredonia, Kan., Route 3.
PURE BRED Barred Rocks. Eggs \$1.00 per 15, \$4.00 per 100. Safe delivery guaranteed. C. E. Romary, Olivet, Kan.
PURE BRED WHITE ROCKS—Best strains. Eggs \$1.00 per 15, \$5.00 per 100. Mrs. E. E. Williams, Sabetha, Kan.
PURE BRED ROCKS, barred to skin. Very large. No culls. Eggs 15 \$1.00, 100 \$5.00. N. Luthye, North Topeka, Kan., Rt. 6.
BARRED ROCK eggs, good boned, well barred, 75 cts. per 15; \$1.25 per 30; \$3.75 per 100. Mrs. Geo. Slater, Cleveland, Kan.
BARRED PLYMOUTH ROCKS exclusively. The kind that will please. Eggs \$1.00 per 15, \$5.00 per 100. A. B. Fowler, Brookville, Kan.
BLUE BARRED ROCK and R. C. chocolate Red eggs from birds that talk for themselves. Write Milton Deihl, Lawrence, Kan.
BARRED ROCKS—92 premiums. Eggs, 15 \$1.00, 100 \$5.00; special mating, 15 \$5.00, Stock \$2.00 up. W. Opfer, Clay Center, Kan.
BUFF ROCKS. Farm raised; prize winners. Eggs, 15 \$2.00. Express prepaid. Circular Free. Ferris and Ferris, Effingham, Kan.
BARRED ROCK eggs, \$1.50 for 15, from prize winning, high priced birds. Eggs guaranteed fertile. E. C. Jewell, De Witt, Neb.
BUFF ROCKS—Eggs \$1 per 15, \$5 per 100. Baby chicks 20c. From Delventhall (Johnson strain). Mrs. Jno. Babb, Centralia, Kan.
BARRED ROCK eggs. From prize winning stock. Farm raised. \$1.00 per 15, \$5.00 per 100. Mrs. H. Buchanan, Abilene, Kan.
PURE WHITE ROCKS. Eggs from snow white strong, vigorous, alfalfa range stock. \$1.00 per hundred. Jno. O. Evans, Asherville, Kan.
BARRED ROCK eggs from special mating \$3.00 per 15; from prize winners \$2.00 per 15, \$3.50 per 30; fertility guaranteed. J. S. Hackney, Troy, Kan.
BARRED PLYMOUTH ROCKS exclusively. Eggs from pens of scored birds \$1.50 per 15, \$4.00 per 50, \$7.00 per 100. Range \$1.00 per 15, \$2.50 per 50, \$4.00 per 100. Mrs. C. N. Bailey, R. 2, Lyndon, Kan.
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., Elmdale, Kan.

Reliable Poultry Breeders

PLYMOUTH ROCKS.
INDIAN RUNNER ducks, Barred Plymouth Rocks, Light Brahmas. Eggs from prize winners. Satisfaction guaranteed. Bert White, Burlingame, Kan.
PURE BRED BARRED ROCKS with yellow legs. Baby chicks 12 cents each. Eggs 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.
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.
WHITE ROCKS (Fisher) scoring 94½, from prize winners. Also Barred and Buffs. Separate farms. 15 eggs \$1.00; 50, \$3.00; 100 \$5.00. Chicks 15c. J. Drake, Nickerson, 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.
BUFF ROCKS exclusively. Eggs from healthy, vigorous, farm raised stock. \$2 per fifty, \$3.50 per hundred. Panned eggs, \$3 and \$1.50 per setting. Mrs. Homer Davis, Walton, Kan.
WYANDOTTES.
COLUMBIAN WYANDOTTES—Mating list free. G. D. Willems, Inman, Kan.
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.
FOR SALE—Choice mated pen White Wyandottes, \$10. Frank Scott, Chapman, Kan.
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.
WHITE WYANDOTTE eggs 50c 15, \$3.00 per hundred. Mrs. L. D. Soule, New Cambria, Kan.
GOLDEN WYANDOTTES exclusively. Eggs 30 \$1.50, 100 \$3.50. Mrs. John Jevons, Wakefield, Kan.
WHITE WYANDOTTE eggs, 15 \$1.00, 50 \$3.00, 100 \$5.00. Mrs. Geo. Downie, Lyndon, Kan., Rt. No. 2.
PURE BRED White Wyandotte eggs, 15 one dollar, 100 4 dollars. Mrs. Pantle, Route No. 8, Wichita, 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.
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.
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.
SILVER LACED WYANDOTTES—Beauty and utility breed. 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. B. 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.
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 settings \$4.00. Prices cut in half after April 20. Wheeler and Wylie, Manhattan, Kan.
DUCKS.
INDIAN RUNNER duck eggs. Pure white egg strain. \$1.00 per 13. Martha Haynes, Grantville, Kan.
WHITE INDIAN RUNNER ducks, 13 eggs \$4.00. Rhode Island Whites, 15 eggs \$2.00. B. F. Graff, Erie, Kan.
INDIAN RUNNER duck eggs. Pen One, fourteen \$1.50, Pen Two, fourteen \$1.00. Julia Little, Conway Springs, Kan.
RUNNERS—\$1.00 per 12. Stock direct from first class breeder. A few White Holland turkey eggs 25c each. Grace Garnett, Marion, Mo.

Reliable Poultry Breeders

ORPINGTONS.
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.
PURE BUFF ORPINGTON eggs, 50 cts. per setting. Bruce Hunter, Lyons, Kan., R. 6.
BUFF ORPINGTON eggs 20 per cent off after May 1. Mrs. T. N. Beckey, Linwood, Kan.
OSCAR ZSCHEILE, Burlington, Kan. White Orpingtons exclusively. Eggs and cockerels.
BABY CHICKS—Kellerstrass Orpingtons 25 cents. Mixed breed 6 cents. Fred Baillie, Fredonia, Kan.
KELLERSTRASS Crystal White Orpington eggs \$1.50 for 15, \$6 per hundred. C. B. Owen, Lawrence, Kan.
S. C. WHITE ORPINGTON eggs \$1.00 per setting. Mrs. Horatio McClelland, McPherson, Kan., Rt. No. 7.
EGGS—S. C. Buff Orpingtons, Barred Rocks, 75c and \$1.00 per 15. Mrs. W. M. Errington, Ruleton, Kan.
S. C. BUFF ORPINGTON eggs \$1.75 1 setting; \$3.25 2 settings; \$4.75 3 settings. Mrs. N. J. Vickery, Arkoe, Mo.
KELLERSTRASS White Orpington eggs half price after May 15th. Catalog free. A. B. Collins, Yates Center, Kan.
WHITE ORPINGTONS—Best strains. Eggs at utility prices. Mating list and photo free. C. E. Reed, Norton, Kan.
KELLERSTRASS White Orpington cockerels. Strictly high class eggs. W. A. Allmon, Cottonwood Falls, Kan.
CRYSTAL WHITE ORPINGTONS—Stock and eggs for sale. Need room; stock must go. Thos. W. Miller, Oswego, Kan.
WHITE ORPINGTONS only. Kellerstrass strain. Eggs \$3.00 per 15. Of the good. Get the best. Sunflower Poultry Plant, Topeka, Kan.
SINGLE COMB BUFF ORPINGTONS, Cook strain. Choice stock. Eggs \$1.50 per 15, \$6.00 100. Mrs. Otis Russell, Canton, Kan.
HAURY'S invincible White Orpingtons. Stock and eggs for sale reasonable. Send for mating list. Dr. Arthur O. Haury, Newton, Kan.
S. C. B. ORPINGTONS exclusively, free range, extra large stock, good buff; eggs \$1.25 15, \$3 50, \$5 per 100. Chas. Brown, Parkerville, Kan.
BUFF ORPINGTON DUCK eggs. \$3 per setting. Prize winners. Something new. Satisfaction guaranteed. Maud Wadsworth, Mound Valley, Kan.
KELLERSTRASS White Orpingtons. Cockerels \$3. Eggs \$2.00 setting, \$10.00 per hundred. Free catalogue. Phillips Poultry Farm, De Soto, Kan.
WHITE ORPINGTON cockerels, Kellerstrass strain, fine birds, \$2 to \$5 each. Eggs 15 for \$2.00. Fertility guaranteed. R. D. Rosier, Elk City, Kan.
EGGS from full blooded, large boned, Single Comb Buff Orpingtons reduced to \$1.25 per 15. Hens and pullets for sale. Carl Lotz, Eudora, Kan.
SINGLE COMB BUFF ORPINGTONS—Prize winning stock. Eggs and stock reasonable price. Ask for free mating list. J. F. Cox, R. 8, Topeka, Kan.
SINGLE COMB BLACK ORPINGTONS—Six firsts, one second; heavy weights; heavy layers. Catalog free. Rose Cottage Poultry Yards, Phillipsburg, Kan.
EGGS from Buff and Black Orpingtons, White and Barred Rocks, Rhode Island Reds and Brown Leghorns. Agra Poultry Co., Roy Lucas, Sec., Agra, Kan.
KELLERSTRASS Crystal White Orpingtons. Eggs from pens scoring 94 to 96, \$2.50 per 15, \$4.50 per 30. Satisfaction guaranteed. K. R. Ahlborn, Smith Center, Kan.
GOLDEN BUFF ORPINGTON eggs, 15 \$1.00, 30 \$1.75, 100 \$4.00. Special matings, 15 \$3.00; only few to spare from this pen. White House Poultry Farm, Salina, 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. Luenegene, Rt. 7, Topeka, Kan.
BARRED PLYMOUTH ROCK eggs from farm range birds, bred for size and utility. Chicks \$1 per setting, \$2.75 for 50, and \$5 per 100. Evergreen Stock and Poultry Farm, Joseph Fink, Mgr., Hanover, Kan.
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 Lorrain Ave., Wichita, Kan.
KELLERSTRASS White Orpingtons. Score 90 to 93. Pens mated, utility stock, baby chicks and eggs. A few cocks. Standard prices cut in two. Member National White Orpington Society. Rev. O. S. Morrow, 614 Kansas Ave., Topeka, Kan.
COCHINS.
BUFF COCHIN eggs from best pen, \$3.00 per 15; 2nd pen, \$2.00. Housel, Smith Center, Kan.
BEST BUFF COCHINS in West. Eggs from four grand pens, \$2.50 per setting. J. C. Baughman, 2215 Lincoln St., Topeka, Kan.

Reliable Poultry Breeders

TURKEYS.
WHITE HOLLAND turkey eggs, \$2.00 for 11. Mrs. Grace Dick, Harlan, Kan.
SILVER LACED WYANDOTTE eggs, 15 \$1.00, 100 \$5.00. Mrs. Janie Hunt, Lebo, Kan.
FOR SALE—Bourbon Red turkeys' eggs, 9 for \$2.50. Mrs. J. E. Bundy, Goodrich, Kan.
EGGS from prize winning mammoth White Holland turkeys \$2.50 per setting. S. H. Lenhart, Abilene, Kan.
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 96. Eggs half price after May 1st. Mrs. Lloyd Clark, Hazelton, Kan.
EGGS from large vigorous White Holland turkeys. \$2.50 per 11. \$5.00 per thirty. Pekin duck eggs from choice stock \$1.25 per eleven. \$7.00 per hundred. E. T. McClean, Talmo, Kan.
MAMMOTH BRONZE turkeys. No better blood in America. Have won more prizes wherever shown than all others combined. A few chicks for sale. Egg orders booked now. G. W. Perkins, Newton, Kan.
SEVERAL VARIETIES.
BABY CHICKS and eggs. Write for prices. Jno. C. Snyder, Topeka, Kan.
EGGS all sold for this season. Nora Luthye, North Topeka, Kan., Rt. 6.
EGGS remainder season, \$5 hundred, \$1 setting. Mrs. Frank White, Furley, Kan.
HOUDANS—World's greatest winter layers. Eggs and stock. Mrs. Lee Biglin, Alta Vista, Kan.
ROSE COMB REDS, Silver L. Wyandottes. Eggs \$1 17, \$5 100. Mrs. Ola Elliott, Delphos, Kan.
THIRTY-FIVE VARIETIES thoroughbred poultry. Catalog free. Jordan Poultry Farm, Coffeyville, Kan.
SILVER WYANDOTTES and Buff Rocks. Eggs for sale. \$1.00 and \$2.00 per 15. R. T. Jahnke, Woodbine, Kan.
43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guineaes, Incubators, Dogs. Catalogue 3 cents. Missouri Squab Co., St. Louis.
"SHOW ME" POULTRY FARM, Eldorado Springs, Mo. Indian Runner or Pekin ducks, 30 eggs \$2; 100 \$6. Single Comb Brown Leghorn, 30 \$1; 100, \$3.
INDIAN RUNNER duck and White Wyandotte eggs. Both high scoring; prize winners. Either 15 \$1.00. Chicks 50 \$2.50. Mrs. Ira Abbey, Pleasanton, 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.
EGGS—Rose Comb Reds, Barred Plymouth Rocks, Single Comb Brown Leghorns, White Orpingtons, White Langhans, Houdans. Circular free. Elle Lefebvre, Havensville, Kan., R. No. 2.
EGGS, EGGS from White Rocks, White Cochin bantams, White Holland turkeys, Imperial Pekin ducks, Pearl guineas and White Wyandottes on separate farms. Satisfaction guaranteed. Write S. T. Garman, Courtland, Kan.
MISCELLANEOUS.
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.
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.
Choice Eggs for Hatching
from 32 varieties of Chickens, Ducks, Geese, Turkeys, 130 Premiums on one exhibit. Largest poultry farm in North Iowa. Send stamp for catalogue. E. & J. W. TRETIN, Grafton, Iowa.
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
Searle & 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**
I. M. FISHER,
Box M. 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.

Drives Out the Bugs.

I have a sure exterminator for vermin on bed or wall. When once applied they will not stay: Take 1 ounce of corrosive sublimate and dissolve in half a pint of alcohol. Some drug stores keep it already mixed.

Mrs. M. R.

Enjoys the Woman's Page.

I enjoy the Women Folks' page in the Mail and Breeze very much. It is the first thing I look at when the paper comes, and I find some very useful recipes and ideas in it.

Mrs. Martha Sewell.

Netawaka, Kan.

Roosevelt Spice Cake.

[Prize Recipe.]

Several years ago I clipped from a paper the recipe for Mr. Roosevelt's favorite spice cake, given by Mrs. Roosevelt to some ladies who were making a collection of recipes. It is as follows: One cup butter, 2 cups sugar, 1 cup milk, 4 eggs, 4 cups flour, 2 teaspoons baking powder, 1 tablespoon cinnamon, 1/2 teaspoon nutmeg. This makes a large and most delicious cake. Those who like more spice can add cloves.

Mrs. F. E. Greathouse.

Terryton, Kan.

Good Things From Bread Dough.

[Prize Recipe.]

Cinnamon Rolls—Take a piece of bread sponge large enough for a loaf, roll out thin, spread butter over it and sprinkle sugar over the butter, then dust thickly with cinnamon. Roll the dough up, cut off pieces about 2 inches long and set in a warm place to rise, sprinkle sugar thickly over the top of each roll and bake in a moderate oven.

Bread Cake—Take 1/2 cup bread sponge, 1/2 cup butter, 1 cup sugar, 1 cup flour, 1 cup each of currants and raisins, 1/2 teaspoon soda, 1/2 teaspoon cloves, 1 egg. Let rise and bake.

Mrs. W. H. Melstrom.

R. 3, Goodland, Kan.

Have a Dish of Greens.

[Prize Recipe.]

When gathering greens be sure you know what you are getting. I use the leaves of sour dock, bitter dock, dandelion, prickly nettle, young shoots of poke, wild lettuce, wild mustard, bluestem, leaves of the thistle that has the beautiful lavender flower, plantain, horse radish, tame mustard, tame radish and tame beet. Sort over, wash thoroughly, and boil 10 minutes in water to which has been added 1/2 teaspoon soda. Drain off and cover with fresh water, add about 1/2 pound fat pork, a teaspoon salt, 1/2 teaspoon ground mustard and a pinch of pepper. Cook 1 1/2 or 2 hours, then lift out of kettle with a fork and place in a deep dish. Slice 1 medium sized onion into it and mix well, add 1-3 glass vinegar in which has been dissolved 4 tablespoons sugar. When slightly cooled slice 2 boiled eggs over the top. It is then ready to serve.

Mrs. Frank Calvert.

Elmdale, Kan.

Coffee Good and Better.

[Prize Letter.]

Coffee to be good should be made in a percolator. If you do not have one make a bag of cheesecloth, and put a drawstring in it. Put in the coffee and keep the ends of string outside by fastening over the spout of coffee pot. Then when the coffee is done you can take out the grounds. Put your coffee on in cold water, let come to a boil and boil 2 minutes. Or if hurried pour boiling water on and boil 5 minutes. As soon as it has finished boiling remove the bag. When coffee is made in this way you get the palatable qualities, and not so much that is injurious. However, I think a better way is to

use a substitute that will be healthful instead of detrimental. I know of people who pass sleepless nights, yet think they cannot do without their coffee. I send a recipe that costs but a few cents per pound to make, and is a benefit to the health:

Take 2 pounds of wheat bran, and 1/2 pound of cornmeal, well mixed; add 1 pint of black molasses, mix the whole thoroughly and spread it evenly about an inch thick in tins or bread pans and roast well in a hot oven, stirring frequently, so it will not burn and will roast evenly. When done it will look like finely ground coffee. This should be used the same as real coffee, except that it should be boiled for half an hour.

Mrs. E. L. Treichler.

Logan, Kan.

Nut Cabbage Salad.

[Prize Recipe.]

Run enough cabbage through the food chopper to make a large bowlful. Before this prepare 1/2 cup English walnuts or other nuts and grind in the nut butter grinder. Use either of the following dressings: One cup sugar and 1/2 cup cider vinegar boiled until it forms a sirup, then set aside to cool. Beat the yolk of 1 egg and mix well with 1 cup sweet cream. Add this to the sirup and pour over cabbage and nuts. To prepare the other dressing use 1 cup sour cream, 1/2 cup sugar and 1/4 cup good vinegar.

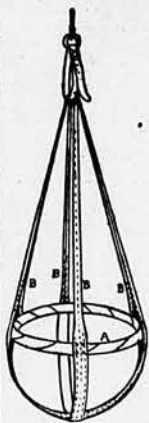
Mrs. Lillian Bronson.

Horton, Kan.

A Jumper Keeps Baby Happy.

[Prize Letter.]

The materials necessary for making this baby jumper are an iron hoop (A) about 10 inches across well wrapped with cloth, cloth straps (B,B,B,B) folded and stitched several times, a leather strap to adjust jumper to proper height, and some screen door springs. Use a small leg hoop or cut an iron barrel hoop and brad the ends together. Make two straps from heavy cloth—blue denim or duck is good—each measuring 2 1/2 inches wide and 2-3 yards long. Cross these in center and stitch to make the seat. Sew hoop in place about 10 inches above the place where straps cross. It should come well below child's



arms. Sew ends of cloth straps together and run the leather strap through them. Fasten two or more screen door springs—one is not strong enough—together side by side, with a heavy wire ring at each end. Pass the adjusting strap through one ring, hang the other over a heavy hook in the ceiling, and the jumper is complete. Baby will amuse himself by the hour in this jumper and there is no possibility of his falling out, though after the springs become worn they may break, so it will be well to fasten a small rope through the ends of cloth straps and over the ceiling hook, leaving it loose enough that it will not interfere with the springs.

Mrs. H. N. Kelly.

R. 2, Hooker, Okla.

A Valuable Vegetable Garden.

A good garden brings health to its users as well as being a means of saving the dollars. The onion is excellent for coughs, colds, grippe and pneumonia, and is very soothing in its effects on the nerves. Lettuce has a like effect on the nerves and if eaten late in the day will prevent sleeplessness. Tomatoes are the best of liver correctives and tone up the system wonderfully. Spinach is better than any medicine to relieve constipation.

It is rich in iron and should be served often during the spring months. Raw carrots are said to be a cure for indigestion. Celery is one of the greatest of nerve tonics and will help to ward off rheumatism. Beets are rich in sugar, and are therefore fattening, while parsnips produce effects equal to the best sarsaparilla. By eating freely of vegetables in their season one lessens the doctor bills.

Mrs. C. K. Turner.

Fowler, Kan.

Helps to Healthy Hair.

I am troubled with dandruff, and my hair has been falling for more than a year. Can you tell me what to do?—Reader, Alta Vista, Kan.

The following suggestions come from a beauty specialist, and though the editor cannot vouch for them personally they are undoubtedly good:

First is a sulphur remedy for dandruff. Take 1 heaping teaspoonful of sulphur and pour over it 1 quart of boiling water. Keep in an airtight vessel for 24 hours, then drain off the clear portion. Rub into the scalp every night until the dandruff disappears.

Here is another dandruff preparation: Bay rum 5 ounces, tincture of cantharides 1 ounce, olive oil 1 ounce. Rub into the scalp every night, and massage for 20 minutes.

To prepare a scalp tonic take 40 grains resorcin, 1/2 ounce water, 1 ounce each of witch hazel and alcohol, and massage well into the scalp.

Another preparation that is warranted to start the hair to grow is made from white vaseline 3 ounces, castor oil (cold drawn) 1 1/2 ounces, gallic acid 1 1/4 drams, oil of lavender 30 drops. Massage will into the scalp for 20 minutes every night. This will make the hair oily while you are using it, but you won't mind that if you can get your hair into healthy condition again.

And if your hair seems unhealthy, be careful how you wash it. Do not use either ammonia or borax, for both are guaranteed to reduce the vitality of the hair follicles. Use simply good soap and soft warm water, and rinse well, first in warm water and then in cold. The cold water closes the pores that have been opened by the warm water, and keeps you from taking cold. Or if you like an egg shampoo, break 1 good sized egg into a pint of warm rain water and add 1 ounce of spirits of rosemary. Beat this mixture together thoroughly and use while warm, rubbing it well into the scalp. Rinse in several waters.

Help in Your Dressmaking

"Every Woman Her Own Dressmaker," is a fashion book which not only illustrates all the new styles, but gives plain and simple lessons and instruction on how to make the garments fit and hang like those made by the skilled dressmaker. Patterns may be had from the Pattern Department of Farmers Mail and Breeze for all the designs illustrated. Retail price of the book is 25 cents but we send it free to any reader who encloses two 2-cent stamps to partly pay postage and cost of mailing. Address the Mail and Breeze Pattern Department, Topeka, Kansas.

Read This Great Offer!



Get \$30 KITCHEN CABINET

THIS is a positive, sincere, straightforward offer. YOU may have one of these beautiful Kitchen Cabinets absolutely free of any cost.

I HAVE an easy and most remarkable plan by which one lady in each neighborhood may secure a \$30 "Gold Medal" Golden Oak Kitchen Cabinet without it really costing her a penny—without any work—without any canvassing or soliciting or public work of any kind.

Does that interest YOU? Then be quick with your request for my special free cabinet offer.

I am making an extremely liberal proposition to the first 500 members of the Capper Kitchen Cabinet Club. I want to place one of these "Gold Medal" Kitchen Cabinets in your home. It will save you thousands of steps and hours of time. It is the handiest thing you ever had in the house and as beautiful a piece of furniture as any woman can desire. I have a plan by which you may secure your cabinet absolutely free. Send today for full particulars and see how easily you can secure one. The "Gold Medal" Cabinet comes in beautiful Golden Oak finish. Cabinet top 40 x 38 x 12 inches. Sanitary floor bin with glass indicator and dust-proof sifter. Large china closet, spice bin, etc. Base 30 inches high, 40 inches long and 28 inches wide, with nickel top. Large cupboard, three commodious drawers, kneading board, etc. Two-compartment removable metal bread and cake box. Room for everything you need in the kitchen.

I want one lady in each community to take advantage of this offer. Send in your name today. You place yourself under no obligations whatever by asking for full particulars. Let me send you a large illustration and complete description. Write today. Address:

CAPPER KITCHEN CABINET CLUB Dept. 51 Topeka, Kan.

Fish Will Bite

like hungry wolves, fill your nets traps or trot line if you bait with Magic-Fish-Lure.

Best fish bait ever discovered. Keeps you busy pulling them out. Write to-day and get a box to help introduce it in your neighborhood. Agents wanted. J. F. Gregory, E-80, St. Louis, Mo.

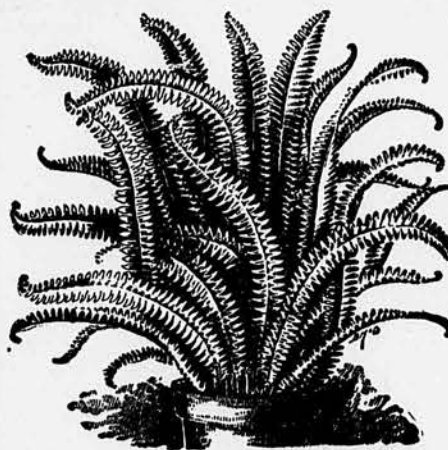
"Magic Picture and Post Card Reflector" FREE

and 25 View Cards

This wonderful machine will reflect any post card, picture, newspaper clipping, photo or object such as watch works, postage stamps, etc., in natural colors, magnified many times! The greatest little entertainer ever offered. No expensive slides or films to buy. Hundreds of pictures free by simply cutting them out of newspapers, etc. Send us your name and address and we will send you, prepaid, 16 Enamelled Art Pictures. Distribute the 16 pictures among 8 friends—a whole year's reading and 2 pictures for only 25c. When pictures are all distributed send us our \$2 and we send the "Magic Picture and Post Card Reflector" and 25 Handsome view post cards ALL FREE AND UNPAID. Only 200 Reflectors to be given away on this plan. Send your name and address at once.

MAGIC REFLECTOR CO., 106 Capper Bldg., TOPEKA, KANSAS

FOUR BEAUTIFUL FERNS FREE!



Why not make your home more beautiful by the use of beautiful, charming ferns? Other homes have them and every woman loves them. They will thrive in any dwelling room near a window, require almost no attention except a little sprinkling of water every few days, and will lend a charming, decorative effect to your rooms. We have a superb collection of the most beautiful and popular ferns ever known for house culture, namely, the BOSTON, WHITMAN, OSTRICH PLUME, ELEGANTES, STAMA, SCOTT, and SPRENGER PLUMOSUS LACE FERN. We will make you up a set of four of these beautiful decorative ferns, and send them to you, all charges prepaid, if you will send us only 50 cents to pay for a 6 months' subscription to my paper. We have secured these ferns from one of the largest growers in the world, they will be packed carefully and shipped in splendid condition, so that they will reach you in just as good condition as though you had just received them from a greenhouse. Send only 50 cents, stamps or silver, for a 6 months' subscription to my popular paper and we will send you your choice of any four of these beautiful ferns, charges prepaid. Don't delay. Address at once.

FARMERS MAIL AND BREEZE, TOPEKA, KANSAS.

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.



- 5610—Ladies' Corset Cover with fitted front lining, 6 sizes, 36 to 46 bust.
 5611—Misses' and Small Women's Sailor Dress, closed at back, with five-gore skirt, sizes 14, 16, 18 years.
 5612—Ladies' Waist, 6 sizes, 32 to 42 bust.
 5613—Five-Gore Skirt, with flounce, 5 sizes, 22 to 30 waist.
 5614—Child's Dress, sizes 1/2, 1, 2, 3, years.
 5615—Boys' Suit—blouse and trousers, sizes 2, 4, 6 years.
 5616—Ladies' Dress with gump and five-gore skirt having inverted pleat or habit back, 6 sizes, 32 to 42 bust.
 5617—Ladies' Waist, 6 sizes, 32 to 42 bust.
 5618—Sailor Dress, sizes 6, 8, 10, 12 years.
 5619—Dressing Sack, having under-arm gores, 7 sizes, 32 to 44 bust.
 5620—Child's Dress, sizes 2, 4, 6 years.
 5621—Misses' and Small Women's Dress, sizes 14, 16, 18 years.
 5622—Shirtwaist, with under-arm gores, 6 sizes, 32 to 42 bust.

5623—Six-Gore Skirt, with left back closing, 5 sizes, 22 to 30 waist.
 5624—Boys' Norfolk Suit—coat and trousers—sizes 6, 8, 10, 12 years.

Kansas Women Want to Vote

The women want to vote. At least, that is the inference that is to be drawn from the Mail and Breeze equal suffrage ballot which closed April 30. Of the 1,061 votes received from Kansas women, 921 were for equal suffrage, 123 were opposed to it, and 17 said they did not particularly care. This large vote indicates the interest Kansas women are taking in the subject. Whether it is a fair indication of the sentiment of the women of the state only an actual canvass of the state would show. In the letters that have been received during the taking of this vote the subject has been thoroughly discussed, pro and con. The sentiment most often expressed by those in favor of equal suffrage is that "Taxation without representation is tyranny," and that "We do not care to be classed with the imbeciles and the insane." Those opposed argued that woman has neither the time nor the inclination to qualify herself to vote intelligently, and that she can do much better service to the state by sending out husband and sons to vote for her.

How to Start Rose Cuttings.

[Prize Recipe.]

I don't think it makes any difference whether rose cuttings are taken off with a "heel" or not, but it is very important that a glass jar be turned over them. The jars may be kept in place by driving pieces of shingle on three sides of them. I let the jars remain over them until they outgrow them.

For early planting (from May until September) I use short slips and set in pots or boxes filled with good garden soil and leaf mold, in which is mixed a generous proportion of well-rotter manure and sand and turn a glass over them. They should be kept moist, but never wet, or they will surely rot. If put out early, they will be ready to put in permanent beds by fall; if late the pots may be sunk in the ground, mulched well and given a protection of straw or leaves.

When I get a pretty rose from which I want a plant, I keep it in water until the rose shatters; then it is pinched off, and the stem is set in a pot with some of my other plants, a glass turned over it and it generally lives. Once, when I was sick, an old lady brought me a huge Paul Neyron rose, with the remark: "I couldn't spare a stem, even for a sick person; the plant is young and very dear." I kept it in a saucer of water several days. When it began to fade I pinched off the rose (it had one leaf and two buds) and directed my little boy to set it out with one bud under and one above the surface of the ground. When I recovered I found the little rose had grown up against the top of the jelly glass which the child had turned over it, and in two months was ready to set out in the bed.

Mrs. Samuel Jackson.

Piggott, Ark.

How a Man Makes Pancakes.

Take equal portions of graham and cornmeal, a few eggs well beaten, milk either sweet or sour and a few spoons baking powder and salt. I have the pans well greased and dip out with a big spoon. Mix it so it will be just about right to dip out well with a spoon. They are fine with sirup and butter.

Dunlap, Kan.

Bachelor.

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.

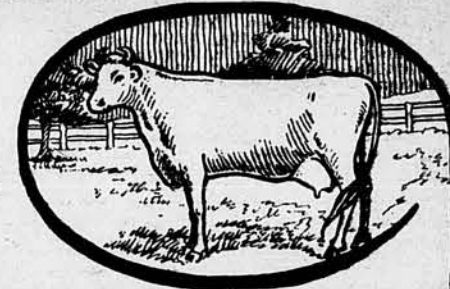
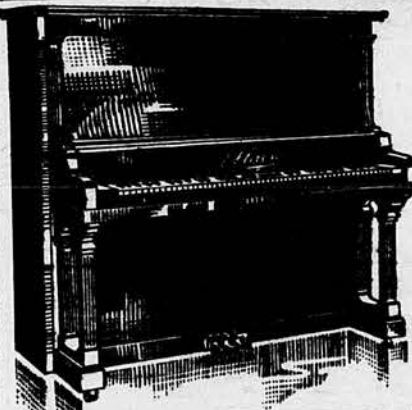
On Baking Day

Utensils Quickly
Cleaned and
Cleared away with

Old Dutch Cleanser

A dash of Old Dutch Cleanser on a damp cloth quickly removes the caked flour from the rolling-pin and the bread-board, cuts away the burnt-in crusts on the baking-pans.

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



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

This is the Elburn H-2
The Best Piano Value
Ever Known for Only \$225
\$4 Monthly

Stover, Mo., March 23, 1912.
Gentlemen—The Elburn received today. I wish to thank you for extraordinary treatment. The piano far exceeds my expectations. This is the second piano I have purchased from the Jenkins Music Co., and I am extra well pleased.
Wishing you success, I am,
(Signed) LUTHER W. TAYLOR.

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.

Do Big Week's Washing in 10 Minutes—No Work

Show this advertisement to your husband. It tells about the wonderful Meadows Power Washer and Wringer—the machine that does a great big family washing in 10 minutes—without your working. You simply fill the wash tub with dirty clothes, shut the lid down and the Meadows starts in working. It cleans thoroughly—works the soaps well into the clothes—drives out all dirt and grease—a whole tubful in 10 minutes. No cranks or handles to turn—machine starts washing as soon as you close lid. Handy foot lever works wringer. Tub tips forward on stout hinges—easy to empty dirty water. With a

Meadows POWER WASHER AND WRINGER

you can wash, blue, wring and hang your clothes out to dry in less than an hour. Without working—without backaches—no chance to catch cold, you don't have to stand over a tub of steaming water, get heated up and then go out in the cold to put the clothes on the line. The Meadows Power Washer is strong, durable and compact. Can be set up close to the wall, runs on small power—has no complicated parts—easily operated and can't harm the daintiest clothes! Your husband will gladly buy you a Meadows Power Washer when we tell him low price. If you write us today for free circular, we will make you a special offer.

MEADOWS MFG. CO.
Dept. O Pontiac, Ill.



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

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

FOR SALE—White African cane seed; tested 98 per cent. E. F. Johnson, Manhattan, Kan., R. R. 2.

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

STANDARD Dwarf broomcorn seed. Something extra. Bushel \$1.25 sacked. D. S. Troyer, Protection, Kan.

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.

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.

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 Champion, 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 Champion, Kansas Standard, Stone, Matchless, Beauty 30c per 100, \$2.50 per 1,000. Sweet potatoes, Yellow Jersey and Nansemond, 25c per 100, \$2.00 per 1,000. Early Golden, 30c per 100, \$2.25 per 1,000. Not prepaid. F. P. Rude, North Topeka, Kan.

FOR SALE.

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

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

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

ASH GROVE No. 1 alfalfa hay \$12 f. o. b. Gem. June delivery. Weights and quality guaranteed. K. C. Knudson, Gem, Kan.

16 H. P. traction engine, in good order. Parsons feeder, Porta megher. One 30 inch stone buhr. G. C. Munsey, Fredonia, Kan.

LARGEST registered herd Duroc swine in America, also half section farm they were raised on, in alfalfa and corn belt. F. C. Crocker, Filley, Neb.

LONG GREEN leaf tobacco to chew or smoke. The kind you've been looking for. I 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.

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TO TRADE for automobile, 160 acres in Ellis Co., Okla. Write J. J. Henry, Arnett, Okla.

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

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

SELL OR EXCHANGE your property quickly no matter where located. Information free. Lock Box 985, Wichita, Kan.

WANTED—Some reliable energetic man to buy or trade for interest in and help promote high class U. S. patent. It is practical and useful and promises to make big money. Address Lock Box 1064, Wichita, Kan.

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FINE BRED St. Lambert Jersey male calf. Edward Hunsicker, Colony, Kan.

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FOUR-YEAR-OLD black Shetland stallion for sale. F. Hook, Tecumseh, Kan.

ONE HEREFORD bull, 12 months old, 800 lbs., cheap. Ben Anderson, Knox City, Mo.

FOR SALE—A Duroc-Jersey boar weighing 140 lbs. \$20 buys him. J. H. Mellenbruch, Morrill, Kan.

RED POLLS—27 year breeder of best farmers' cattle that live. Bulls for sale. D. F. Van Buskirk, Blumound, Kan.

POLAND CHINA boars of the best big boned breeding. Priced to sell. Laptads Stock Farm, Lawrence, Kan.

FOR SALE—Thoroughbred Jersey bull, 3 years old; good individual; bargain if sold at once. Charles Bunton, Burlington, Kan.

DUROC-JERSEY boars, a combination of Tatarax and Top Notcher blood lines. Prices reasonable. Laptads Stock Farm, Lawrence, Kan.

JACKS—Two Mammoth jacks, also M. B. turkey eggs \$2.00 per 11. Toulouse eggs \$1.00 per 5. Wm. H. Buckhannon, Minneola, Kan.

A REGISTERED O. I. C. boar farrowed last May. First \$25 gets him. Also a registered sow bred for June farrow. First \$60 gets her. F. C. Gookin, Russell, Kan.

FOR SALE—60,000 stock cattle and feeders. Wichita Live Stock Com. Co., Room No. 5, Stock Exchange, Wichita, Kansas. Branch office, Lubbock, Texas.

DOGS.

SCOTCH COLLIE pups, good color and good workers. Address A. W. Toews, Inman, Kan.

PEDIGREED Scotch collie pups cheap. Fine working stock. Mrs. Helen Lill, Mt. Hope, Kan.

WHITE Spitz-Esquilmaux puppies. Beautiful, for shipment; low prices. E. Brack, Havensville, Kan.

LANDS.

HOMESTEADS—Special information. Riverside Kolona, Harrison, Ark.

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

\$5 DOWN, \$5 MONTHLY buys 40 acres near town, southern Missouri. Price \$160.00. Write for list; big bargains. Box 372, Carthage, Missouri.

CLOUD COUNTY—Good 200 a. farm, \$30.00. An 80 in Catholic settlement, \$40.00. Snaps for quick sale. Other bargains. G. C. R. Pierce, Miltonvale, Kan.

FOR SALE—1,280 acres smooth plow land. Lipscomb county, Texas. On line of Enid-Ochiltree and Western R. R. new building. \$15.00 terms; will divide. Milo Owen, Neosho Rapids, Kan.

OREGON and southern Washington. Write before investing or coming West, so you can learn the facts about the Oregon country, its attractive climate and its agricultural and other opportunities. Official information gathered and vouched for by over 150 commercial organizations and by Oregon State Immigration Commissioner will be sent free on request; all inquiries answered in painstaking detail. For full information write to Room 637, Portland Commercial Club, Portland, Oregon.

LANDS.

FOR SALE—\$1,000.00 cash will handle this 200 a. grain and stock farm in Pike Co., Mo., 3 1/2 mi. R. R. town, 1 1/2 mi. to gravel road to 3 good towns; will take some trade. G. R. Miller, Bowling Green, Mo.

CHEAP—Level, improved grain and commercial orchard farm, will yield big profit; can be subdivided. Investigate this if you wish a fine climate, sure crops, and advancing values. 1215 Seventh street, Oregon City, Oregon.

161 A., 2 1/2 miles of Parsons, 75 wild grass, 8 orchard, 30 wheat. Balance corn limestone soil. Good water, all level. No waste land. Large new barn, all kinds good improvements. Large grove, beautiful view. Good road to town. No better farm in county, worth \$100, but for quick sale \$65 per acre. Terms 1/2 cash, balance 6 per cent. Address 35425, care this paper.

LAND AGENTS—IMPORTANT—Learn the truth about Florida lands. Get the facts about the greatest land proposition ever put up to enterprising land agents. We control 180,000 acres of the richest, choicest virgin land in Florida, now being divided into 20 acre tracts. Prices low, terms easy. Let us show you how you can make big money—become independent—representing us. Our interesting educational book gives all the facts; explains why Florida is today attracting larger numbers of desirable settlers than any other state in the Union. Gives accurate information regarding soil and climatic conditions. Proves that Florida soil is the most productive and adapted to wider diversity of crops than other in U. S. From \$100 to \$1,000 yearly net profit per acre from grape fruit, oranges, pineapples and other fruits and garden truck. Write today for your free copy of this most instructive book and full particulars of our selling plan. Address, Martin-Borders Land Co., Midland Bldg., Kansas City, Mo.

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ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 100,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 25c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

FARM WANTED.

WILL BUY good farm. Well situated. Owners only. Give description and price. Addr. Coens, Box 754, Chicago.

FARMS WANTED.

FARMS WANTED—We have direct buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

AGENTS WANTED.

FARMER AGENTS wanted to sell riding attachments and farm implements. Liberal offer. Write the Brown Brokerage Co., Coffeyville, Kan.

AGENTS WANTED in every township. Greatest household necessity ever offered. Money maker for live hustlers. Incandescent Light Company, Wichita, Kansas.

WANTED—Men in every town in Mo., Kan., Ill., Neb., Okla., Ark., to take orders for nursery stock. Outfit free. Cash weekly. National Nurseries, Lawrence, Kansas.

WANTED—Energetic, reliable men as local agents; cash each week; outfit free. Get terms before your territory is covered. The Ince Nursery Company, Lawrence, Kan.

BOY AND GIRL AGENTS—Sell 24 packages of post cards for us at 10c each and receive an air rifle or a bracelet free. Write today. Burns Novelty Co., 2201 Dudley Ave., St. Paul, Minn., Dept. A.

WANTED—Five general agents in the state of Oklahoma. Mail application giving detailed information concerning past record with one bank reference. Circulation Department, Farmers Mail and Breeze, Topeka, Kansas.

FEMALE HELP WANTED.

WOMEN AND GIRLS wanted to sell our up-to-date line of beautiful Post Cards; very latest style; enormous demand; our agents make \$2 to \$6 a day in spare time; no talking or peddling necessary; our special copyrighted selling plan and a big package of beautiful samples for only 2 cts. to pay mailing expense if you mean business. Butler Post Card Co., 65 Capital Block, Topeka.

SITUATION WANTED.

WANTED—Good steady work for man and wife, overseeing farm. Thoroughly experienced and energetic. Good reference. Lee Harmon, Medford, Oregon.

MALE HELP WANTED.

YOU ARE WANTED for government position. \$80.00 month. Send postal for list of positions open. Franklin Institute, Dept. B 55, Rochester, N. Y.

WANTED—Post office clerks, city and rural carriers. Thousands needed. Examinations soon. Trial examination free. Write today. Ozment, 38, St. Louis.

WANTED—Reliable man to sell nursery stock. We have a splendid position to offer. Write today for particulars. James Trullitt & Sons, Nurserymen, Chanute, Kan.

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500 MEN 20 to 40 years old wanted at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address F. care of Mail and Breeze.

MAIL CLERKS; Carriers; Clerks in Patent Offices; Agriculture; Treasury; Army; Navy; and other departments at Washington, wanted by Government. Excellent salaries. No "layoffs." Short hours. Annual vacations. Position would be yours for life. Examinations everywhere soon. Common education sufficient. Thousands of appointments coming. "Pull" unnecessary. Farmers eligible. Write immediately for sample questions and large illustrated book telling duties and giving full particulars. Franklin Institute, Dept. B 55, Rochester, N. Y.

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STEWART BROWN, Patent Attorney. Write for particulars. Address Wichita, Kan.

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LIGHTNING destroys homes. Why not protect them with our copper cable? We sell direct to customers. Kinzie & Mellenbruch, Hiawatha, Kan.

IF YOU WANT to send a Kansas paper to your friends, subscribe for the Kansas Weekly Capital—a whole year for only 25 cents. All the Kansas and Topeka news of the Daily Capital boiled down. The best weekly newspaper in the U. S. for the money. Address Kansas Weekly Capital, Dept. 14, Topeka, Kan.

Trained Teachers in Demand

Teachers of vocational subjects, especially agriculture, domestic science, and manual training, get the best salaries, nowadays. In the last year, 481 calls for such teachers were received at the Kansas Agricultural college. But the supply was too small and less than one-third that number could be furnished.

When the summer school for teachers at the agricultural college opens at Manhattan, June 13, a rare opportunity for those who wish to teach agriculture,

domestic science, or manual training will be offered. The school is held purposely to equip teachers of this sort. Courses will be given in these subjects: Agriculture, dairying, animal husbandry, horticulture, poultry husbandry, domestic science, drawing and art, manual training, mathematics, chemistry, physics, botany, zoology, entomology, history and civics, English, physical education and vocational education. The summer session lasts six weeks. The course in rural school agriculture doubtless will be popular.

A feature of the English work, added

this year, is 10 lectures on industrial journalism. In this course the teachers will learn the fundamentals of writing for the press and how to prepare "copy" so that it will receive attention in the newspaper office.

The First Gas Engine Show

The first national gas engine show will be held in Milwaukee Wis., June 17-22, of this year, in connection with the annual convention of the National Gas Engine association. There will be a complete display of all gas power machinery,

heavy-duty engines for the farm or road, small stationary engines for farm power, marine, automobile, and airship motors, etc. Information concerning the show may be had from President O. C. Parker, LaCrosse, Wis.

A high grade, guaranteed durable live rich red barn paint is sold by the Sunflower Paint & Varnish Co. of Ft. Scott, Kansas, direct to the consumer at only 85c per gallon in 5 gal. cans, freight prepaid. This is a paint proposition worth considering by every farmer. This is a reliable company and now is paint season. Try this paint.

MARKET PROBABILITIES

July Will See a 10-Cent Market on Fed Cattle, Say Some Traders
Hog Receipts Were Heavy Enough to Break the Market But a Big Shortage Is Inevitable Later
On—Grass Has Lowered Hay

[Written Specially for the Farmers Mail and Breeze.]

The cattle market is making headway slowly and is feeling the weight of high prices in all departments. For many classes the limit of the advance has been reached, but for fed grades the market still shows possibilities of a further advance. Killers say they see a future supply of grass fat cattle, enough to tide them through on medium beef, but with practically no corn available for feeding, they are worried concerning the supply of choice beef for the three months following July. Last year feeders made excellent beef by feeding corn on grass, this year that process looks rather expensive. There are a great many men connected with both the selling and buying side of the market who are predicting 10-cent cattle for July and the three months following. This forecast, of course, refers to fed grades. Grassers will begin moving at high prices they say and undergo a material decline and then advance as weight, quality and numbers decrease. Texas is now sending in some grassers, or rather steers fattened on early weeds and a little cottonseed cake. They have sold in both Kansas City and St. Louis at \$4.50@6.75. As these kinds increase towards June the urgency in demand for medium natives will relax and prices fall. Compared with a week ago prices for cattle are about 15@25 cents higher, and about the highest on record. Chicago still maintains liberal supply and some of the other markets are holding about even with a year ago. Kansas City, though, is more than 100,000 short for the year, the decrease being traceable to the drought that cut pastures short last fall, reduced the corn and all forage crops, and made feeders sell their cattle short. Nebraska, parts of Iowa and Illinois were able to handle more cattle than last year. They have about cleaned up, and, together with their finish, final shipments of hay fed and beet pulp cattle from Colorado, and the meal and cake steers from Texas are being made.

Medium Cows to Go Lower.

In the past 10 days prices for medium killing cows have fluctuated 25@35 cents and today there was not much net change compared with a week ago. This movement in prices is a sort of a prelude to a general decline that will prevail as soon as grassers from below the quarantine line are in large enough supply to make competition. Fed grades are very strong and in urgent request. They are finding an outlet through shippers as well as to local killers. Prices are 10@15 cents lower than a week ago. Dairy calves are not offered as freely at eastern markets as some 10 days ago, and prices have been advanced for vealers 25@50 cents. Bulls are selling up to the high level of the season.

Scarcity of Thin Cattle.

"I believe that the majority of countrymen who had thin cattle turned them to grass May 1." This was an opinion of a trader and his idea seems verified in the light supplies that have arrived in the past few days. Prices are higher than a week ago, and will continue so for some time. With a seasonable year for grass, cattle for pasture purposes will be sought eagerly and found scarce.

Break in Hog Prices.

A supply of nearly 400,000 hogs at the five western markets last week gave packers an opportunity to lower prices. The decline came more slowly than expected and it took five days to make 25@30-cent reductions in prices. At the low point prices were the lowest they have been since the last week in March, and last week's market practically included all the varieties the market had offered in the preceding six weeks. This week the market is expected to improve as receipts will be smaller. Farmers are too busy to make shipments, and the few hogs that remain in the country can be handled more cheaply than two weeks ago, as pastures are good and new alfalfa is available. There is practically no more corn to be fed, and as there are few cattle for them to follow, it looks as though hogs would be scarce in June and July. Chicago and Omaha are receiving nearly three-fourths of the total supply at river markets, and Omaha territory is better supplied than any other section.

More Subdued Market for Sheep.

The sensational rise that started in the sheep market about 10 days ago was not checked until Thursday of last week. A moderate decline has occurred since then, and it begins to look as though the 1910 figures will stand as records. However, each market fell only 10@15 cents short of the 1910 high prices. There are various ideas advanced as to the cause of the rise. Some place their thoughts on entirely superficial grounds and say that it was the good will of the packers for another feeding season. The one generally accepted, however, is that supplies were actually short of requirements. The five western markets had to divide up with the entire United States, and the low price for mutton up to the time of the recent advance, had made that meat very popular. Southern spring lambs are beginning to move. Texas grass fat sheep and goats are coming more freely, and the general market seems in a position for readjustment.

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			
Chicago...	\$9.00 \$6.50	\$7.75 \$6.20	\$9.00 \$5.50
Kan. City...	8.75 6.25	7.70 5.95	8.25 5.50

Warm Weather Weakens Horses.

The market for horses and mules is slowly settling back to summer dullness, though the last of this month there will be the final spasm of activity when horses are wanted for the harvest fields. Hot weather always limits demand, but this year the rush of farm work is keeping farmers from sending very many horses to market. Prices for the most part are holding steady, except some weakness for the plain light weight horses and mules.

The Movement of Livestock.

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

	Cattle	Hogs	Sheep
Kansas City	24,300	56,100	37,700
Chicago	57,600	174,000	77,000
Omaha	13,850	69,500	29,800
St. Louis	14,400	56,000	8,700
St. Joseph	7,200	39,300	14,000
Total	117,350	394,900	167,200
Preceding week	106,530	337,850	178,750
Year ago	105,975	364,100	175,150

The following table shows receipts of cattle, hogs and sheep at the five western markets Monday, May 6:

	Cattle	Hogs	Sheep
Kansas City	7,500	6,000	15,000
Chicago	25,000	40,000	20,000
Omaha	3,300	7,000	4,000
St. Louis	2,000	8,000	2,000
St. Joseph	1,900	4,000	4,500
Total	39,700	65,000	45,500
Preceding week	39,200	86,400	39,200
Year ago	35,150	60,500	49,650

Grain Uneven—Hay Lower.

The advent of new grass as a reducing factor in demand was evident this week in the grain and hay markets. Low grade prairie, timothy and alfalfa hay were quoted down \$1@4 a ton. The top grades held about steady, but sold slowly. Corn and oats were off 2 cents a bushel. Soft wheat advanced 1@2 cents and hard wheat was fractionally lower. There is a slower demand for seed.

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

	Kansas City	St. Louis
Wheat—		
Hard No. 2...	\$1.14@1.15	\$1.19 @1.12
Soft No. 2...	1.10 @1.15	1.15 @1.17
Corn—		
White No. 2...	.79 @.80	.82 1/2 @.83
Mixed corn...	.79 @.80	.80 @.82
Oats—		
No. 2 white...	.57 @.58	.58 @.58 1/2
No. 2 mixed...	.56 1/2 @.57	.57 @.58

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			
Chicago...	\$1.21 \$1.05	81 54 1/2	58 3/4
Kan. City...	1.17 .97	80 54	58 3/4

Seeds in Kansas City.

Sorghum, amber, \$1.65@2 per cwt; sumac, \$1.45@1.75; broomcorn, dwarf, \$1.40 @1.50; standard, \$1.30@1.45; cowpeas, New Era, \$1.90@2.10; Whippoorwill, \$2.10@2.25; millet seed, \$1.60@1.80; clover seed, \$12@20; timothy, \$10@15; alfalfa, \$10@14; flax-

seed, \$2.15; seed corn, bulk, 85c@1.40 a bushel; kafir corn, No. 1 white, \$1.42@1.46 per cwt.

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	214	463	55
Last week	233	481	115
One year ago	211	184	67
In Chicago—			
This week	162	1118	693
Last week	124	564	681
One year ago	240	1469	816
In St. Louis—			
This week	123	517	200
Last week	152	451	200
One year ago	170	355	238

Butter, Eggs and Poultry.

Elgin, May 6—Butter this week is firm at 30 cents.

Kansas City, May 6.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 16 1/2 c a doz.; seconds, 14c
 Butter—Creamery, extras, 30c a lb.; firsts, 28c; seconds, 27c; packing stock, 20c.
 Live Poultry—Broilers, under two lbs., 35c a lb.; No. 1 hens, 11 1/2 c; No. 2 hens, 5c; roosters, 7c; turkey hens and young gobblers, 12c; old toms, 10c; culls, 7c; ducks, 12c; geese, 6c; pigeons, 60c a doz. Dressed poultry sells for about 1 1/2 c to 2 1/2 c a lb. above live stock quotations.

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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 desirable 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:

SIX COLORS:

White, Pink, Crimson-Maroon, Canary Yellow, Lavender and Golden-Yellow

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

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.

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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.



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WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, Kansas and Oklahoma, 410 East Williams street, Wichita, Kan.
J. W. Johnson, Beloit, Kan., Kansas and Nebraska.
C. H. Walker, Kansas, Missouri and Nebraska, 1915 Central, Kansas City, Mo.
Geo. W. Berry, Kansas and southern Missouri, Copper 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 such 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. Robinson 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.

Poland China Hogs.

May 14—Nevius & Wedd, at Spring Hill, Kan.

May 15—Matt Alton, Erie, Kan.
Aug. 7—John B. 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.
Aug. 26—A. B. Campbell, Geary, Okla.

Oct. 9—Herman Gronniger & Sons, Bendena, Kan.

Oct. 15—H. C. Graner, Lancaster, Kan.
Oct. 16—H. B. Walter, Effingham, Kan.

Oct. 17—M. T. Williams, Valley Falls, Kan.
Oct. 18—W. E. Long, Meriden, Kan.

Oct. 19—C. L. Branic, Hiawatha, Kan.
Oct. 22—Jno. W. Noll, Winchester, Kan.

Oct. 23—W. E. Dwyer, Diller, Neb.
Oct. 26—R. B. Davis, Hiawatha, Kan.

Nov. 1—Walter Hildwein, Fairview, Kan.
Nov. 2—J. H. Hamilton & Son, Guide Rock, Neb.

Nov. 13—Herman Gronniger & Sons, Bendena, Kan.

Duroc-Jersey Hogs.

Aug. 31—J. R. Blackshere, Elmdale, Kan.
Sept. 4—W. R. Huston, Americus, Kan.
Oct. 13—H. B. Miner, Guide Rock, Neb.
Oct. 26—E. M. Myers, Burr Oak, Kan.

O. L. C. Swine.

Oct. 24—R. W. Gage, Garnett, Kan.

Kansas and Oklahoma.

BY A. B. HUNTER.

W. C. Stenzel, Elmdale, Kan., will make interesting prices on pedigreed Hampshire hogs, either sex, and from pigs at weaning time to sows of matured age. He has a number of fall boars which he is wishing to sell and is cutting the price to help turn them quickly. Write him for particulars and mention Farmers Mail and Breeze.

Reliable Real Estate Dealer.

The Middle West Exchange Bureau, Cherryvale, Kan., of which Mr. J. H. Hackley is manager, has an ad in our real estate department that it will pay each of our readers to look up Mr. Hackley and exchanges land at the lowest prices. It will pay you to get in touch with him, before you change your location. He is thoroughly reliable.

B. & C's Col. Boars for Sale.

R. C. Watson of Altoona, Kan., renews his card ad for a year and offers choice boar pigs by the champion B. & C's Col. He is also booking orders for spring pigs, by R. C's Buddy. Mr. Watson reports good sales to good breeders. His hogs are as well bred as can be found in the Duroc-Jersey breed. They are all healthy and in good condition. Mr. Watson sells his hogs at a reasonable price. Write him if interested and mention Farmers Mail and Breeze.

Inglefield Shorthorns.

Dr. H. G. Slavens of Neosho Falls, Kan., is offering his herd of Shorthorns at private sale. The doctor's desire to disperse his herd is the result of his failing health. The offering consists of eight bulls from 10 to 24 months old and all the cows and heifers that are in condition to sell. Others will be held until they make some gains on grass, then offered. Dr. Slavens' herd is one of the noted collections of Shorthorns in the state, and would not be dispersed but for the failing health of the owner. The prices asked for these cattle will be reasonable. Write for particulars and mention Farmers Mail and Breeze.

The Summer or Fall Sale.

Breeders of livestock, especially of hogs, will be making arrangements soon for a summer or fall sale. In either event, among other things, they will need the services of a good auctioneer. In this connection we would cheerfully recommend Col. L. A. Burger of Wellington, Kan. We just received a letter from the colonel telling of two sales which he has recently booked for August. Col. Burger is a self-made man and a success. He came to Kansas a few years ago with little property and little experience as a salesman. The one thing he was strong on was energy. He took up the selling of purebred livestock and by his ability to get the "high dollar" he has built up a business that is both pleasurable and profitable. His salesmanship is of a high order and the high averages of his sales are his best advertisement. Col. Burger has made money in his profession—and saved it. He owns two

good farms in Sumner county and a comfortable home in Wellington. When you think of your next sale date think of Col. Burger and write him.

Blackshere's Fall Sale.

J. R. Blackshere, Elmdale, Kan., will be out again this year as usual with a show herd of Durocs. Mr. Blackshere is claiming August 31 for a brood sow sale. He will sell 50 head, mostly spring yearlings, with a few fall gilts, as good as ever went through a Kansas sale ring. They carry the blood of Ohio Chief, Valley Chief, Tip Top Notcher and other sires, carrying the best blood of the breed. These sows and gilts will be bred to J. R.'s Col. and Model Col., two great breeding sons of Graduate Col., who has perhaps sired more prize winners than any other Duroc boar in Kansas. Keep your eye on this sale date.

The Axtell Dispersion.

Dr. J. T. Axtell, the well known horse breeder and alfalfa raiser, announces that he is going to devote all of his time to his new hospital and will sell all of his registered Percheron horses at public sale, with J. C. Robinson of Towanda, Kan., Wednesday, May 29. This will be a dispersal or closing out sale for Dr. Axtell of all his purebred Percheron mares and fillies and a few young stallions. Dr. Axtell procured the foundation of his herd, both stallions and mares, from the Robison Stock Farm and their size and individuality has been well kept up. This will be a rare opportunity to buy registered Percheron mares with colts by their sides and bred again.

Dodge City's New Territory.

The Santa Fe railway has begun the construction of its proposed Colmar Cutoff. This line will cut across country southwest-ly from Dodge City, Kan., and, primarily, is designed to shorten distance and avoid heavy grades. Incidentally, it will occupy territory which now is without rail transportation, viz., the southern and middle portion of Gray, Haskell, Grant, Stanton, Morton and Stevens counties in Kansas, Baca county, Colorado, and Union county, New Mexico. The opening up of this new territory is sure to result in a rapid advancement in the price of farmland in the counties affected. For particulars about this land we refer you to Brown & Vernon of Dodge City, Kan.

Robison's May Sale.

J. C. Robison will hold a sale of registered Percherons at his Whitewater Falls Stock Farm, near Towanda, Kan., on Wednesday, May 29. In this sale Mr. Robison will be joined by Dr. J. T. Axtell of Newton, Kan., who will disperse his entire herd consisting of 20 head. Mr. Robison will contribute a like number. This offering will be made up mostly of mares and fillies. The mares are all bred. Some have colts at foot and are bred again. This will be the opportunity of the season for the man who wants to buy a matched pair, or a single mare. The offering has been busy raising colts and are not over-loaded with fat. They will probably sell at bargain prices on this account. Write J. C. Robison, Towanda, Kan., for catalog and mention Farmers Mail and Breeze.

Lookabaugh's Livestock.

H. C. Lookabaugh, Watonga, Okla., is one of the most successful farmers in the new state as well as the largest producer of purebred livestock. His herd of Shorthorns is becoming well known throughout the entire corn belt states. This is the result of Mr. Lookabaugh's buying in some of the best sales in the country and his success in the show ring. The Lookabaugh cattle were seen at the western shows last year and when he finished the campaign he had captured a goodly string of ribbons including a lot of blues and purples. Mr.



Lookabaugh is known more for his successes in connection with his Shorthorns than in other lines, but he is also one of the prominent Poland China breeders in his state. The accompanying illustration shows the type he breeds. Write Mr. Lookabaugh for anything in Shorthorns or Poland Chinas.

Kansas and Nebraska.

BY J. W. JOHNSON.

Amcoats's Shorthorn Bulls.

S. B. Amcoats, Clay Center, Kan., has some choice Scotch and Scotch topped bulls from 10 to 18 months old for sale. These bulls are out of cows of famous breeding, formerly of the F. M. Gifford herd at Wakefield, Kan. They were sired by bulls of note. They will be priced low considering quality. Mr. Amcoats is a well known breeder of Shorthorns, at Clay Center, Kan., and lives on his farm six miles out. He will be glad to call for you at Clay Center

any time you can come. Write him for a full description of these bulls and prices. Please mention Farmers Mail and Breeze when you write.

Breeds Dependable Hogs.

D. O. Bancroft, Downs, Kan., is well known to Farmers Mail and Breeze readers. His advertisement was placed in the Duroc-Jersey section of that paper five years ago in October and has never been out of the paper since. Farmers Mail and Breeze has sold practically all of the surplus boars and gilts he has had for sale every year. He raises usually about 200 pigs each season but this season his crop is not as big as usual because of the bad conditions in February and March. He has about 80 nice February, March and April pigs and some last fall stuff that is good. He has six last September boars that are extra good that he will price at bargain prices. At the head of Mr. Bancroft's herd is Mo. G. F.'s Climax, by Mo. Goldfinch. His dam is Nellie Climax, one of the best brood sows ever owned by Mr. Bancroft. Bancroft's Wonder, by Bonney K., dam D. O.'s Wonder, by old Red Wonder. Mr. Bancroft has always kept abreast of the times in up to date breeding by buying from the best herds in the country. He is the best equipped for the business with modern hog barns and other advantages of anyone we know of. He is careful and painstaking with small orders and is perfectly willing to ship to responsible breeders on approval. As was said before his card can be found at any time in the Duroc-Jersey section of Farmers Mail and Breeze. He will price pigs at weaning time not related. His six September boars are big, well grown fellows and he will sell them right as he does not care to hold them until fall.

Noffsinger's Shorthorn Bulls.

L. M. Noffsinger, Osborne, Kan., proprietor of the Elmdale Stock Farm and breeder of Shorthorn cattle, starts an ad in this issue of Farmers Mail and Breeze, in which he is offering five young bulls, Scotch tops, reds and roans, and ranging in ages from 12 to 18 months old. They are a dandy lot of young bulls and were got by Prince Luster, by Prince Pavana, C. S. Nevius' great show bull. He is a nice roan and could be made to weigh easily 2,400. Their dams are mostly Brave Knight and Scottish Gloster cows. These young bulls will be priced right. We were shown a young bull which Mr. Noffsinger purchased last fall. He was bred by Lt. O. Miller, Lucas, Ia., one of the best known breeders of Shorthorns in the country. The breeding of this young bull simply can't be improved on. He is registered as Fancy Lord and was got by Lord of Lancaster, by Imp. Cherry King. The dam of Fancy Lord was Brown's Fancy whose dam was Imp. Fancy 17th. He is a pure, rich red and is 15 months old and one of the best individuals that we have seen in some time. Mr. Noffsinger is a prominent breeder of the best of Shorthorn cattle. He is a regular exhibitor at the big Mitchell county stock show and is going to be on hand there again this season with a string of cattle. Mr. Noffsinger owns a fine farm, well improved, and is a Poland China hog breeder of no mean ability although he does not pose as a breeder in the sense that he has registered Poland for sale. But his Shorthorns are up to date and take rank with the best in the country. Look up his ad and write him about a bull.

Kansas, Missouri and Iowa.

BY C. H. WALKER.

Graner Will Sell October 15.

Probably a larger per cent of tried sows and yearlings, practically all of which have raised their first litters, will be included in Henry Graner's fall sale than any offering to be made during that season. Guy's March, the boar used in the Graner herd for so long and with good success, left 15 sows that are among the best producers in the herd. A number of these will be sold. Mr. Graner certainly had hard luck with his spring crop of pigs. The majority of them came during the most severe weather of the winter and the result was a very small per cent saved. However, he has a March first pig sired by Long King's Best that is one of the best prospects of his age most anyone ever has seen. If he comes out like he gives promise of doing Mr. Graner will have a herd boar of exceptional quality. Watch for further mention of this herd in later issues.

News of Gronniger's Herd.

Always one of the heaviest raisers of purebred Poland Chinas in the West, Herman Gronniger & Sons of Bendena, Kan., have this year probably saved a larger number of spring pigs than any breeder in this section. They now have on hand something like 275 head of all ages. It always has been their plan to have their sows working all the time and as a result are able to put into their sales a larger number of more matured stock than the average breeder. The Gronniger herd has been free from any sort of hog disease except minor troubles.

LIVESTOCK AUCTIONEERS.

JOHN D. SNYDER HUTCHINSON, KAN.
Auctioneer
Pedigreed Live Stock a Specialty.

Col. N. S. HOYT, Mankato, Kansas,
Livestock Auctioneer. Big Horses and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

Chas. E. Reeble, 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 Sursum Ave. R. C. M.
Cattle Sales \$500. Hog Sales \$250.

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 6, 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; something fancy. A few gilts and two October boars at \$25 each. Two October boars, by Second Masterpiece, and one by D's Centertier, 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 Robins Hood Blood. We guarantee satisfaction. Call or write LEON A. WAITE, WISFIELD, KAN.

WILDWOOD FARM BERKSHIRES

Headed 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 Farm Berkshires

BRED SOWS

A good lot of sows and gilts bred to the best boars for summer litters. Boars and sows at farmers' prices. Choice last fall pigs by Artful Masterpiece, and a splendid crop of spring pigs that will please you.

Sutton Farms,
Lawrence Kansas.

Berryton Duke Jr.

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.

OIL = OIL = OIL

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

XXX 46 gravity water white kerosene.....	\$5.50 for 52 gal. bbl.
XX 42 gravity kerosene (the kind usually sold.....)	\$4.50 for 52 gal. bbl.
XXX 64 gravity gasoline.....	\$7.50 for 52 gal. bbl.
1 case graphite axle grease (2 doz. 3 pound pails).....	\$3.50
40 gravity prime white stove distillate.....	\$4.00 for 52 gal. bbl.
25 gravity stove distillate.....	\$3.75 for 52 gal. bbl.
65 gallon (26 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home.....	\$3.60
Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools.....	\$3.50 for 52 gal. bbl.
STANNARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the mites).....	\$5.00 for 52 gal. bbl.
I pay \$1.25 each for all barrels returned to me at refinery in good order, freight prepaid. Send the money with your order.	

C. A. STANNARD, BOX M, EMPORIA, KAN.

as That Grow B
ng pigs—boars and gilts—by A Wonder
700 and 800-pound sows, some extra fine
Joe and out of A Wonder sows. They
ly. They are going fast. Pigs shipped
my private sale catalog. It is a history
Wonder and his get.

HEREFORDS.
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.

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

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. 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.

SHORTHORNS.

Milk and Beef Combination. **Horrocks Shorthorn Cattle.** Oxford Down Sheep. **Bourbon Red Turkeys.** **J. H. WALKER, LATHROP, MO.**

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 268325. Prices right. Breeding and individuals right. Address **ADAM H. ANDREW, GIRARD, KANSAS.**

True Goods 337574

by Fair Goods, dam Rosie 11th 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, HIAWATHA, KANSAS.

SCOTCH AND SCOTCH TOPS.

TEN BULLS 10 TO 18 MONTHS OLD. ALSO SOME GOOD COWS AND HEIFERS.
S. B. AMCOATS, CLAY CENTER, KAN.

SHORTHORNS

5 bulls from 12 to 18 months. Roans and reds. Scotch Tops. Address **L. M. NOFFSINGER, OSBORNE, 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.

Inglefield Shorthorns

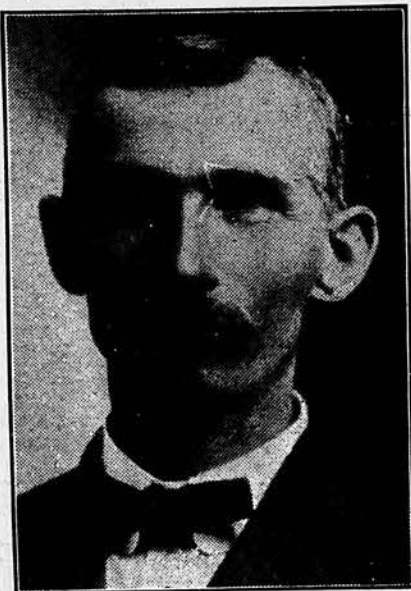
My health having failed, we offer at private sale 8 bulls, from 10 to 24 mos. old, at moderate prices. All cows and heifers in condition will be closed out at a fair value.

H. G. Slavens
Neosho Falls, Kansas

have a national reputation, and many famous boars and sows owe their origin to this great breeding plant. **Berryton Duke Jr.**, one of the greatest Berkshire sires, has stood at the head of the Sutton herd for the past five years; and two of his best sons, **Judge Robinhood** and **College Duke 2d**, are now in service. Over one-half of the 100 spring pigs are by **Judge Robinhood**, a boar that promises to equal his illustrious sire, **Berryton Duke Jr.**, as a getter of large, uniform litters of high class pigs. Attention is directed to the change in the advertisement in this paper.

Iowa
GRANT GAINES.

Henry Fesenmeyer.
 The reader who has followed the elevation of the big type Poland China hog to the eminence it now has attained is as familiar with the man about whom these remarks are made and whose likeness appears above, and the kind of Poland Chinas he breeds, as is the writer of these lines, who but a few days ago visited with Mr. Fesenmeyer and looked over his herd of Poland Chinas with the scrutinizing purpose of telling the readers of this paper what he saw in the Fesenmeyer herd and what those who love and want to buy of the big type Poland Chinas can find in this—one of the greatest herds of big type Poland Chinas in America. On a little suburban farm of five rough acres lives Mr.



H. FESENMEYER.

Henry Fesenmeyer with his family at Clarinda, Ia. Breeding big Poland Chinas is his business and he is on the job every day in the year. True he has young sons that help him but "the old man" is on the job at all times. He raises and sells over \$5,000 worth of big type Poland Chinas every year. Hogs have been termed the home builders and mortgage lifters of the corn belt and the men who are making the dollars out of hogs are growing the profitable kind. It requires good seed to grow good hogs; and Mr. Fesenmeyer is producing good seed stock. A wonder, his chief herd boar, is a world favorite with men who are trying to produce good hogs. A wonder has grown with time and is greater in his seventh year than all his past. As a breeding boar he stands on an eminence envied by all. Big Joe is a younger boar chosen to cross on A Wonder sows and the pigs by him are all that could be expected from such a mating, big bone, long and massive. If readers of this paper want a herd boar that will add a dozen times the cost of the boar in extra pounds of pork on the first crop of pigs from 10 sows, they want to buy a pig from the Fesenmeyer herd. Mr. Fesenmeyer sells his pigs at about 3 months of age and he prices them reasonably. Transportation charges are light and you can grow and develop your herd boar to your own tastes. Mr. Fesenmeyer has a private sale catalog which he will gladly mail you if you will write him for it. It describes every litter of pigs he has for sale and shows you their breeding. It is a complete history of his herd and is worth your while, if you are interested in the big profitable type of Poland China hog. We advise you to write at once and reserve an order for one of his good pigs as they are being sold fast and first orders get first choice. Please mention Farmers Mail and Breeze.

Editorial News Notes.

The "Ann Arbor" hay baler has been sold to American farmers for a quarter of a century. It's a business baler for business farmers. See ad on page 32. Write for catalog No. 1 to Ann Arbor Machine Co., Ann Arbor, Mich.

The Minneapolis Threshing Machine Company, Kansas City, Mo., advertises its traction engine in this paper on page 6. It is one of the leading traction engines in the market and is strictly guaranteed. Write for the free catalog, mentioning this paper.

The Western Land Roller Company, Box 125, Hastings, Neb., makes the Western Land Roller. It is increasing crops for western farmers. It's a packer, pulverizer, mulcher all in one. It will make money for you this season. See ad on page 13. Write for free circular to above address.

The Jayhawk Stacker.

I made it a point last week to interview farmers that I called on about Jayhawk stackers, made by the Wyatt Mfg. Co., Salina, Kan., and now being advertised in Farmers Mail and Breeze. I wish that every farmer that expects to buy a stacker this season could have been along. **L. M. Noffsinger**, Osborne, Kan., prominent as a Shorthorn breeder and one of the best farmers in Osborne county, considers it one of the greatest labor saving inventions of modern times. He says he is advertising it himself. (Continued on Page 31.)

Robison & Axtell Percheron Sale

at the Whitewater Falls Stock Farm
 Towanda, Kan., May 29th

SALE WILL CONSIST OF 40 HEAD

Twenty from the stud of J. C. Robison, Towanda, Kan., and twenty from the stud of Dr. J. T. Axtell, Newton, Kan., who is dispersing his stud at this time, as his other business demands all his time and attention.

This will be the greatest opportunity ever offered in the West to secure Brood Mares and Fillies. Mares are all bred. Many will have colts by their sides and be bred again. There will also be ten yearling and 2-year-old Stallions included in the sale.

Many matched pairs, well broken to harness. They have been raising colts and corn.

Sale at the Robison Farm, near Towanda, Kansas

Write to J. C. Robison, Towanda, Kan., for catalog

Auctioneers—J. D. Snyder, W. M. Arnold, J. P. Oliver.

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

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 10 to 2 years time to responsible parties. Visit or write. **LUKE M. EMERSON, BOWLING GREEN, MISSOURI.**

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 Brawley 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.**

ABERDEEN-ANGUS.

RIDGE PRAIRIE ABERDEEN ANGUS.
Rutger Heatherson 3d 118104, a choicely bred Heatherbloom, 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.

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 Mephisto 4221. Call on or write, **J. C. Bergner & Sons, "Waldeck Ranch," Pratt, Kan.**

Belgian and Percheron Stallions and Mares

Imported and Home-Bred.
 For Sale at Attractive Prices.
Blue Valley Stock Farm
Blue Mound, Linn Co., Kan.

25 Mammoth Jacks, ALL AGES

registered and guaranteed. Some Kansas prize winners. Herd headed by Pharaoh 2401, champion at Tennessee in 1910.
H. T. HINEMAN Dighton, Kan.

Brown Swiss Calves For Sale. E. Bourquin, Bartlett, Kan.

BIG BARGAINS IN REAL ESTATE

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

320 A. 100 good alfalfa land, 160 natural hay land. Near station. \$30.00 per a. terms. Moore & Falls, Liberal, 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, Ks.

FOR SALE—Farm 2,600 acres growing wheat, corn, alfalfa, located near Minneola, Kansas; well developed agricultural country. 1,700 acres in wheat. Will send photographs of farm. Address L. E. WAIT, owner, Dodge City, Kansas.

159 A., 1 ml. of town; well improved; all tillable; price \$50 acre; \$2,000 down, remainder long time at 6 per cent. 60 a., 4 ml. of Ottawa, Kan., 40 a. wheat goes with the place. Price \$60 per acre. MANSFIELD, Ottawa, Kansas.

\$10.00 PER A. buys this beautiful half section; smooth and level; 8 miles town; \$1,400 runs 7 years 6 per cent. Here is your chance to buy a half section at rock bottom price. First money up gets it. COONS & JACOBS, Plains, Meade County, Kansas.

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.

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. Bremer, McPherson, Kan.

EASTERN KANSAS. I have for sale at owners' prices over 300 choice improved farms, all sizes, in Lyon and Coffey counties. Fine corn, wheat, alfalfa, timothy and clover. Write for new illustrated descriptive circular. Some exchanges. ED F. MILNER, Hartford, Kan.

COFFEY COUNTY, KANSAS. In heart of corn and tame grass belt. Farms and ranches \$30 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.

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.

BARGAIN. 160 acres, good land, 8 room 2 story dwelling, good barn and outbuildings, well watered, shade trees, orchard, fine location, school across road, 3 miles from town, sure bargain at \$50.00 per acre. Send for list of bargains. F. C. LIBBY, Blue Mound, Linn Co., Kansas. J. L. Wilson, Salesman.

\$36.00 PER ACRE—356 a. Washington Co., Kan., land, 5 miles from town, 95 a. in cult., 25 a. in alfalfa, 236 a. in pasture, same has living water, all fenced and cross fenced, 6 room new frame house, new barn for 6 head of horses, 50 head of cattle and 30 tons of hay, a good well with windmill. An A No. 1 stock farm. Price \$36.00 per a. Will be on the market only a short time, so get busy. Wire, or come at once.

Pralle Bros. Realty Co.
Bremen, 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 windmill; 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.

460 A. ALFALFA BOTTOM LAND \$38.00 a. 100 alfalfa bottom land, \$30 a. 160 a., splendid black prairie land, good new house and barn, fenced and cross fenced, without a blemish, \$50.00 a. Send for list of 40 farms, in rainbelt of southeastern Kansas. J. B. COOK, Chetopa, Kansas.

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.

A Good Eighty For Sale

80 acres 3 miles from town, 60 a. in cultivation, balance in hay and pasture, 6 roomed house, barn 36x36 ft. Good rich land. \$60.00 per a. This will bear inspection. Address A. E. CLARK & SON, Pomona, 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

320 a. farm: best alfalfa, corn or wheat land; level; shallow to soft water; improved; \$65.00 per acre, half cash. 160 a. well improved; all hog fenced; \$50 per acre, half cash. 80 a. farm, valley land; good house, barn; 20 acres alfalfa; \$80 per a., terms. 160 a. alfalfa land improved; one mile R. R. station and fine Catholic church; \$80 per a., terms. 1,360 a. ranch improved. Living water; \$22.50 per acre. H. E. OSBURN, 227 East Douglas, Wichita, Kan.

A BIG BARGAIN

240 acres in Washington Co., Kan., 11 miles from Linn, 2 miles from two good general stores. Soil black loam 120 acres in cultivation, 80 acres of pasture with never-failing spring water, 25 acres fine alfalfa, 10 acres hog lots, woven wire fence; 5 acres orchard, all kinds of fruit. New 2-story house, 28x32; barn, 20x36, with additional shed; woodhouse, 16x22; double corn crib, 10x10x20, driveway in center; granary, chicken houses, cattle sheds, etc. Good well by house, with windmill; two 20-bbl. tanks, water piped to barnyard. All fenced with hedge and wire fence; 2 telephone lines to house, R. F. D. at the door, 2 miles to two inland towns, 4 miles to German Lutheran church, 2 1/2 miles to German Catholic church. Reasons for selling: to give children high school education. If sold within the next three months, price \$60 per acre. This special bargain price is good for limited time only. Address, J. A. JOHNSON, owner, Morrowville, R. F. D. No. 2, Washington Co., Kan.

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.

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. LAMBAR-HART COMPANY, Shawnee, Oklahoma.

320 A. 1/2 ml. R. R. town, smooth, black, rich soil, in field, fine prospects, good water, good imp., \$50.00 per a. with 1-3 crop. J. H. Fuss, (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 Blank, 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.

244 A. valley bottom land. Black limestone soil. 60 a. cultivation. 141 meadow. Balance timber. Meadow all tillable. No rock or overflow. 6 miles from city 4,000, this county. 6 room house, barn 40 by 60. Splendid orchard. 3 miles American hog wire fence. \$25.00 per acre. SOUTHERN REALTY COMPANY, 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.

LAND! LAND! LAND! LAND! Corn, wheat, oats and hay produce big crops. Land \$15.00 to \$60.00 per a. Write or see CRAIG & JENNINGS, Welch, Okla.

OKLAHOMA. For detailed information concerning the sale of the 250,000 acres of government segregated land to settlers at public outcry, write Lehigh Commercial Club, Lehigh, Oklahoma. In the "Lehigh Valley."

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 for sale. 500 choice farms good. Easy terms. Soil and climate excellent. 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.

ARKANSAS.

38 CHEAP farms for sale in White Co., Ark. Letona Realty Co., Letona, Ark.

IF INTERESTED in N. E. Arkansas farm and timber lands, write for list. F. M. MESSER, Walnut Ridge, Ark.

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 \$60 per acre. List free. L. A. JUSTUS, Foreman, Ark.

FOR des. literature, city props., Ark. and Okla., farm, fruit, timber and grazing lands, write Moss, Hays & Co., Sliam Springs, Ark.

160 A. GOOD SOIL, \$2,400. 1/2 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 ml. 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.

ARKANSAS.

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.

160 ACRES black alfalfa land; soil 15 feet deep; if not as rich as yours will pay your expenses to see it. Price \$25.00 per acre. Ask for map and list. H. M. McIVER, Texarkana, Ark.

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 \$2.00 up. Don't fail to see us. Literature and list free. FLEMING & WEAVER, The Land men, Decatur, 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 ml. 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.

MISSOURI.

BEST farm bargains S. E. Mo. List free. McHENRY REALTY CO., Piedmont, Mo.

DAIRY, poultry, fruit, stock and timber lands, all sizes and prices. Write Ozark Realty Co., Birch Tree, Mo.

HEY, THERE! Fruit, dairy, poultry and stock farms for sale. Write for list now. Baker Realty Co., Mountain Grove, 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. 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.

MEXICO.

EVER HEAR OF MACINESO, Mexico? Place of FREE HOMES and perpetual income. Everything guaranteed. J. M. Mason, Columbus, Kan.

LOUISIANA.

TIMBER and farm lands, city prop. and mdse. Describe and price your prop. Ragsdale-Bland R. E. Ex., Shreveport, La.

FLORIDA.

FLORIDA—10-acre tracts, finest prairie land, De Soto county, Florida; sacrifice price, \$18 per acre; monthly payments. C. E. Johnson, owner, Parsons, 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.

Florida Lands For General Farming

We have 10,000 acres of the best farm land in Central Florida for sale in tracts of 40 acres to 640 acres. Land nearly level, good drainage, splendidly adapted for raising vegetables, grain, livestock and citrus fruit. When the purchasers of Florida land get away from the 5 and 10 acre idea and buy lands and farm them as they do in the West the results will be far beyond those realized by western farmers. Prices \$25 per acre to \$40 per acre. Terms very easy. Address

Howard-Packard Land Co.,

Sanford, Fla.

FOR SALE OR EXCHANGE

LAND SOLD or ex. 2% com. Middle West Exchange Bureau, Cherryvale, Kan.

GROCERIES and merchandise for farm. Other trades. F. Gass, Joplin, Mo.

BUY OR TRADE WITH US—Exchange book free. Betsie 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.

STATE UNIVERSITY. Buy house in Lawrence, Kan., while schooling your children. Large list, sale or ex. Fugate Land Co.

FARMS AND MERCHANDISE for sale or exchange. We match deals any size, any place. United Land Co., Wichita, Kan.

TRADE what you have for what you want, list with us, we do the rest. H. C. BUTTS LAND COMPANY, Carrollton, Mo.

NINE ROOM house, Lawrence, Kan., 5 room house Neosho Rapids, Kan., trade for W. Kan. land. Lock Box 33, Quenemo, Kan.

HUNDREDS of bargains in improved farms, located in 20 states. Sale or exchange, list free. W. F. Burrow, Warm Springs, Ark.

FOR SALE OR EXCHANGE—Good wheat and corn lands. Describe and price your proposition. J. S. Kiser, Garden City, Kan.

FOR SALE OR EXCHANGE—Irrigated or unirrigated eastern Colorado lands at reasonable prices. Andrew Townsley, Holly, Colo.

LIST YOUR PROPERTY for exchange or trade. We make all kinds of exchanges and secure results. Write us. The O. F. Exchange Agency, Eldorado, Kan.

FOR SALE—3 1-11 a. land, good improvements, suitable for raising chickens, at Dun-dee, Kan., would trade for southwest Kan. land. JOE 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.

WE HAVE some good irrigated lands in Colorado we want to exchange for Old Mexico lands. Write us what you have. BALDWIN & WHITTIER, Sterling, Colo.

WE HAVE three good gen. mdse. stocks to exchange for real estate. KANS. INVESTMENT CO., 408 Barnes Bldg., Wichita, Kansas.

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, 8 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. Exchange considered. Marra & Day, Meade, Ks.

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 slope 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 outbldgs. Plenty good water, 2 mi. town. Will sell \$30. a. if sold soon. Half in good rental property, some cash, terms on 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 mi. school, price \$35 per acre. Want \$0 to 160 near good eastern Kansas town. KLOTZ & HOEL REALTY CO., Cottonwood Falls, Kan.

FINE smooth 800 acre farm very highly improved, 2 miles town, all fine land, want smaller farm east improved; this is one of the best improved farms in Lane county. Must have good stuff offered. BUXTON BROS., Utica, Kansas.

640 A. OF GRASS LAND, 5 miles from station, Greenwood Co., Kan.; want general mdse. 640 acres, good, smooth wheat land, western Kan.; want Topeka rentals. \$9,000 hardware and implement stock; want land of equal value. \$7,000 new residence, well located in Topeka; want improved farm. THE THOMAS REALTY COMPANY, 619 Kan. Ave., Topeka.

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.

FOR EXCHANGE. Lands in the Gulf Coast country for Kansas, Oklahoma and Colorado land, also ranches, merchandise and income property. Write for our trade bulletin. Send full description of property. DEERING & NEEL, Houston, Texas.

FOR SALE OR TRADE. 400 acres, 90 acres in cultivation, 60 acres meadow, balance pasture, some native timber, 2 room house, barn and other good outbuildings. Price only \$8,000.00, will carry \$4,000.00. Trade for clear city property or small farm. M. T. SPONG, Fredonia, Kan.

WE CAN SELL OR TRADE your farm or business, no matter where located. Particulars free. MID-WEST SALES AGENCY, Riverton, Nebraska.

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.

INCOME PROPERTY FOR LAND. We have two fine 6 roomed residences; one 5 roomed cottage and barn; one 3 roomed house, here. Splendid properties, well located, which we can exchange for good farm land. Write for full description, stating what you have to offer. Quick deal. IOLA LAND COMPANY, Iola, Kansas.

45 H. P. CASE FARM ENGINE. Perfect running order, jacketed, 12 bbl. mounted tank, pump, hose, all small tools. Little used. Burns coal or straw. Fine cost thrasher engine. Carries 80 lbs. coal. Cost \$1,700.00; trade for livestock, clear land or what have you? Or make cash offer. Guaranteed "O.K." E. L. PALMER, Laird Colo.

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.

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 so 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.

TEXAS.

COLONIZATION tracts, two to five thousand acres in rain belt. The Baughman Realty Co., Eagle Lake, Texas.

FREE ILLUS. 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 160 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 dreds have made their fortunes here. It's your opportunity. "Come" or write. We will help you. B. E. Norvell, Bay City, Tex.

825 A., 9 mi. Bay City, Matagorda Co., Texas, 200 a. open land, bal. timber. \$25 per a. Other propositions. CASH REALTY CO., Bay City, Texas.

POTATO LAND. 600 a. Brazos Val., red shell alluvial soil; \$70 a. 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 & Moseley, 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.

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. If 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.

CALIFORNIA.

CALIFORNIA irrigated farms in the famous Tullock 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, 816 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.

NEW YORK.

FARM of 135 acres, ten acres timber, well watered, eleven room house, four barns, granary, hog house, ice house, milk house, fruit, two miles from railroad town, fourteen cows, six head of young cattle, sulky plow, seeder and cultivator, harrow, etc. Price, \$5,150, part cash. HALL'S FARM AGENCY, Owego, Tioga County, New York.

IOWA.

IOWA FARM FOR SALE. 160 acres five miles of good town, well improved, \$90 per acre. Easy terms. Write for fully listed showing this, and fifty other improved farms, Buchanan and Fayette county, Iowa. NORTHERN IOWA LAND COMPANY, Independence, Iowa.

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.

THE YUMA COUNTRY. If interested in cheap deeded lands and homesteads, relinquishments where one crop often pays for the land address J. H. FAIL, Yuma, Colo. Coming country of Golden West.

KIOWA COUNTY, COLORADO. corn, wheat and alfalfa lands, \$8.00 to \$15.00. Homestead relinquishments \$25.00 up. A few 160 acre relinquishments under prospective irrigation. Folder and copy of homestead laws sent free. THE WESTERN REALTY CO., Eads, 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.

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.

COLORADO.

FOR SALE—Ark. valley Irr. alfalfa lands, most desirable climate; rd lands with water in West. Geo. R. Wilson, Lamar, Colo.

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.

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, planted with a paid up water right, period of five years. We give to the purchasers 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.

Do Not Spend Your Life Praying For Rain

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.

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, Denver, Colo. 607 17th St.

The Farmers' Gloves.

Like a friend a good glove is never in the way; it does its part to help you out—it protects, when necessary, warms when you are cold, never hinders you in the easy, sure handling of your work. In fact, you don't know you have it on. Like a good friend it helps without making a fuss about it. To be a real protection, a glove must not only fit the hand—it must fit the work in hand. And this is the essential advantage of the Hansen line of gloves—they are built like a hand, and a farmer's needs are many. For instance, the strain on a glove when driving is not the same as when husking corn. Similarly wearing gloves is not enough. The glove must help. In driving you need great flexibility of finger—every muscle free and in perfect control, yet the leather must be strong enough to keep the skin soft from the tug of the reins. There is no better example of this to be found than the Dan Patch. Glove of the Hansen line, and no hand-warmer and quick action there is no hand-warmer equal to the Hansen one-finger covering equal to the Hansen one-finger mitten. And the thresherman—with his hard work where the grain cuts like a sword—he of all workers on the farm needs protection. This is why Hansen's thresherman's glove has that deep, strong cut—a man's glove against hurt to the wrist and arm as well as hand. Any sort of farm work, plowing, all kinds of harvesting, are heavy chores, fence-mending, all these hard on the hands. The wrong glove is false ill-fitting, of poor, unreliable leather is false economy. The time lost, not to mention the pain, caused by frost-bitten hands, or blood poisoning from rusty nails and wire would poison many pairs of Hansen's gloves. The buy many pairs of Hansen's gloves gives durable protection without binding or hindrance. And they keep the hands in good condition. Hansen's gloves have done a big share towards reversing the old idea that farmers' hands must be rough, calloused and hard. Farmers who want gloves that give ample protection and comfort—gloves that have no binding seams and not a rivet to scratch; gloves that are built like a hand and that every work—should send for a booklet with full description of the hundreds of styles of the Hansen line. The leather of all care-of the Hansen line, not only as to skins, but as fully selected, not only as to skins, but as to the exact parts of skin used, "Warranted"—warranted "not to shrink or shrivel, harden, crack or peel." The gloves that serve—the gloves that last—the Hansen. The address of the O. C. Hansen Co. is 223 Detroit street, Milwaukee, Wis.

Good Philosophy.

I allus argy that a man Who does about the best he can, Is plenty good enough to suit This lower mundane institute— No matter if his daily walk Is subject for his neighbor's talk, And critic-minds of ev'ry whim Jest all git up and go for him! It's natural enough, I guess, When some gits more and some gits less, For them-uns on the slimmest side To claim it ain't a fair divide; And I've knowed some to lay and wait, And git up soon, and set up late, To ketch some feller they could hate Fer goin' at a faster gait. My doctern is to lay aside Contentions and be satisfied; Jest do your best, and praise er blame That follers that, counts jest the same. I've allus noticed grate success Is mixed with troubles more or less, And it's the man who does the best That gets more kicks than all the rest. —James Whitcomb Riley.

Editorial News Notes

(Continued from Page 28.)

self. A number of his neighbors have already bought a Jayhawk and more will buy this spring. He indorses Mr. Wyatt's plan of selling direct to farmers thus saving them at least 25 per cent. H. B. Miner, J. H. Hamilton & Son and A. T. Cross, all of Guide Rock, Neb., were the only three farmers we called on in that vicinity and all three of them have Jayhawks and have been using them about four years. When I asked them for reasons why they liked the Jayhawk they fired them at me so fast that I hardly had time to write them all down. But one of the reasons that they gave was the easy manner in which it could be handled. Also the fact that they could make a stack as long or as high as they desired. The stack they say, can be approached with the load from any side or end. It is quick and easy to operate and as Mr. Hamilton expressed it you could load a hay rack with it. All hands indorse and praise Mr. Wyatt for selling direct to the farmer and thereby giving the farmer the benefit of the middleman's profit. The writer was very much surprised to find so many Jayhawks in use in his territory. A farmer with any alfalfa at all can't possibly afford to do without a Jayhawk according to the testimony of the farmers we talked to last week. Write either of the farmers mentioned above if you want more information from some one who is using this stacker. For a catalog and full information address Wyatt Mfg. Co., Salina, Kan., mentioning Farmers Mail and Breeze.

Latest Improvement in Hay Presses.

Wonderful improvements have been made in the last two years in hay presses. Only a short time ago wood frame hay presses, driven by horse-power, were very popular, but the recent invention of a motor press by the Sandwich Mfg. Co. has just about revolutionized all ideas of hay press construction. The Sandwich Motor Press is a combination hay press and gasoline engine, mounted on the same platform. The press is of solid-steel construction, very compact, and it handles up to 3½ tons of hay per hour. It has an unusually large feed opening. Feeds direct from fork, having no condenser box, or balance wheels, or complication of any kind. The engine is of the popular hopper-cooled type, which requires very little water. The press is operated by a chain drive, there being no troublesome belts to loose power. The engine comes completely equipped, and no extras are required. The Sandwich Mfg. Co. now makes motor presses, belt and horse-power presses, solid-steel presses, presses of as large or as small capacity as any one can want, and no matter what type of a hay press you may prefer, you will undoubtedly find it in the extensive line of presses made by the Sandwich Mfg. Co. This company makes only the most dependable kind of farm machinery, and you will find their prices reasonable on all machines. Before buying a hay press you should write without fail to the Sandwich Mfg. Co., 152 Main street, Sandwich, Ill., and get their latest book entitled "Tons Tell." Thus you can compare the Sandwich Motor Press and other presses with the best of other makers.

Cairo Flood Doesn't Stop Saginaw Silos.

Cairo, Ill.—Saginaw silos dry, perfect and completely equipped are going out of Cairo by the carload to purchasers despite the fact that the Farmers' Handy Wagon Company's big Cairo plant is under 20 feet of water. As soon as the extent of the flood was realized the company immediately leased an entire new plant in which it has installed a complete equipment of its special silo-making machinery sent in by express. It cost \$35 a thousand to send this machinery, weighing tons, across the country. But the Farmers' Handy Wagon Company said, "Fill all orders promptly at any cost." And the orders kept right on coming in by boat! Not a train was coming into the city when this item was written. But no difference could be noticed in the demand for the silos. Trains are now moving into Cairo over the rebuilt tracks and carloads upon carloads of new silo material are being handled at the new plant. The factory building leased by the manufacturers of the Saginaw is as large as the main building at Saginaw, Mich., and is high and dry inside the levee near the downtown district with splendid track facilities. Cairo is the only city in the Mississippi valley that has a dry spot. The downtown streets are dusty. Besides the Cairo plant, the Farmers' Handy Wagon Company has its large plants at Saginaw, Mich.; Minneapolis, Minn., and Des Moines, Iowa, running at full capacity. So not an order will be delayed. Two years ago the company's Saginaw plant was completely destroyed by fire. But the company was doing business the next day. See ad on page 11. Write for catalog to Farmers' Handy Wagon Co., Dept. M, Saginaw, Mich.

Advantages of Irrigation—It Saves Labor and Yields Large Returns.

Irrigation is not a mere expedient for getting the ground wet because it will not rain. The farmer in a rainy country suffers fully as much because it rains too much at the wrong time, as he does because it does not rain when his crops need moisture. Rarely does a farmer want all his ground wet at the same time. Some crops thrive when moist and some are spoiled by moisture. In an irrigated country the farmer can always depend on sunny weather, and so he can regulate the exact degree of moisture to suit any crop. The very color and texture of fruits and vegetables can be regulated by irrigation. The irrigation farmer can keep his crops growing until they have attained their maximum; then shut off the water and ripen them. He can make the wheat grains fill fuller by watering when the grain is in the milk. By keeping his potatoes always evenly moist he can make them free from knobs and second growth. Irrigation intelligently applied is the best and safest proposition today for the farmer, fruit grower, business man and stock raiser. As nearly all things that man produces for his material needs are superior to those produced by Nature, so is land artificially watered or irrigated far superior to that depending on rain. The first irrigation attracting attention to the West was done in the Poudre valley, Colorado, in 1870 by the colony organized by the New York Tribune and by it sent west "to grow up with the country." At that time two canals were built, one irrigating a tract where Greeley now stands, and

the other on the opposite side of the river. From this nucleus the irrigated area of the Poudre valley and of the entire western United States has gradually grown. The system of laws, the methods of administration, the various advanced methods of application of water and of its preservation have had their origin in this valley. The labor entailed by irrigation is equal to about one-half of the time the eastern farmer loses by bad weather. Any person intelligent enough to know that water will not run up hill and that vegetation can be drowned by excess of water, as well as starved by drouth, may become a skilled irrigator in a short time. There are few who cannot master all of the details of the science in a single season. Irrigation is now receiving more attention than ever before. Irrigation reclaims arid wastes; makes a prosperous country; causes the desert to blossom; insures full crops every season; improves land at each submergence, and consequently does not wear out the soil; multiplies the productive capacity of the soil; produces perfect fruit; creates wealth from water, sunshine and soil; makes the farmer independent of the rainfall; yields large returns to investors; adds constantly to the security of the investments; makes the production of the choicest fruit possible, and prolongs the harvest period of various crops if so desired. The irrigating farmer becomes the most prosperous farmer in the world. Success under such conditions becomes a mathematical certainty. He can calculate in the beginning what crops he will harvest and what revenue he will derive from his land. It is invaluable to any man to be able to eliminate the element of uncertainty which must exist where dependence

is placed entirely upon the weather. In view of the fact that one acre cultivated by means of irrigation yields as much as three or four acres where rain is depended upon, and that in some countries it is resorted to as a means of fertilizing, it is plain we cannot overestimate the value of this art. The word "irrigation" implies a condition far more imposing than is intended. The mistake is too commonly made, of regarding the work of irrigation as a hardship, and the necessity for it as a misfortune. In point of fact, the necessity for irrigation and the

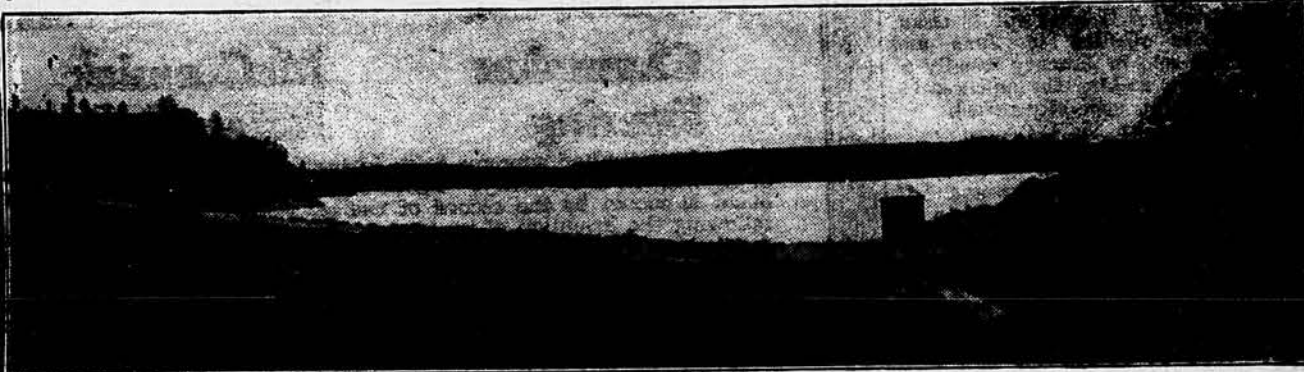
There is a world shortage of meat which cannot be filled under two years. Do you hear Opportunity knocking at the door?

ability to irrigate make a fortunate combination of circumstances. They imply a warm, dry climate, as that of arid regions; and this means that the crops are not liable to destruction by sudden, violent storms, or by lack of sufficient sunshine, or by failure of water supply, as sometimes results from dependence upon rainfall alone. The result of irrigation is too well known to make it necessary to enter into a lengthy discussion of its boundless possibilities when applied to suitable lands. The predominating influence upon home life in the irrigated districts is that contentment which comes with the assurance of success. Hopes materialize and ambitions are satisfied. To properly work an irrigated farm does not

require toll from sun-up in the morning until sundown at night, and then an hour or two of evening chores. To the young man irrigation farming offers a wide field for his energies. The rewards are certain and commensurate with his ambitions. To the men who have reached middle age and see approaching the leisure time of life, it offers the opportunity to enjoy old age in a sunny climate, in a quiet, fertile valley, where the fields smile in their abundance and the lofty mountain peaks in the distance give inspiration to the mind and uplift to the hopes that spring eternal in the human soul. The above article is a plain statement of authentic facts, pertaining to bonafide irrigation districts of the West. Were it not for the fact that many thousands of acres have been sold and are being sold, where water never has been and probably never will be delivered, this word of caution would not be necessary. The price of the land is a fair guide—but the better plan for those interested in irrigated land, is to personally investigate the land, water, and location before they buy. There are doubtless several bonafide irrigation districts where land can be had at reasonable prices. The Highview Park, farm and orchard land—under the Castlewood (reservoir) Irrigation System—lies so close to the city of Denver, Colo., has such merit that the Mail and Breeze does not hesitate in recommending it as a proposition worthy of investigation. This land is owned by The Denver Suburban Homes & Water Company, 620 Commonwealth Building, Denver, Colo. Eastern representative, James Butler, 1230 Fillmore St., Topeka, Kan. The company's advertisement appears in the Copper Publications.

Colorado a Great and Growing Agricultural State

Maybe you have thought Colorado is chiefly a mining state. Well, it is a great mining state, and the mines of Colorado have added greatly to the state's wealth. Mines make markets, the best kind of markets. Colorado is also an important manufacturing state. But agriculture is already the most important Colorado resource and it always will be. Conditions for profitable farming of nearly all kinds are not



The Great Castlewood Dam, Source of the Highview Water Supply.

more favorable anywhere than in Colorado, and the farmers of Colorado are among the most intelligent, progressive and prosperous in the whole country.

Colorado has the markets, the climate, the soil, the water for irrigation farming which is the highest type of farming. The quality of Colorado fruits, vegetables and grains is the best in the country. And all the advantages are combined in the highest degree in the

Highview Park Tract

adjoining the great and growing city of Denver, the greatest city between Kansas City and the Coast. The land is adapted to almost any agricultural purpose, truck growing, fruit, especially apples and small fruit, alfalfa, dairying, poultry, etc., etc. You can enjoy life at its best at Highview Park. And you don't have to possess a fortune to buy some of this irrigated land. When you consider what is offered here the prices will be recognized as astonishingly low. Terms are easy. Investigation will show that our claim that this is the best proposition on the land market is not overdrawn. We are not offering something for nothing. We are not offering you a chance to gamble, nor a get-rich-quick scheme. We are offering real land, fertile soil, splendidly located, right at the best market in the West, abundantly watered, at prices that cannot be duplicated elsewhere under similar circumstances.

And Right Now Is a Good Time

to go out and look it over. You can do it at slight cost, and the trip may prove to be the best thing you ever did.

Special Homeseekers' Rates, May 21.

The Denver Suburban Homes and Water Co.

620 Commonwealth Building, Denver, Colo.

James Butler, Eastern Representative, 1230 Fillmore St., Topeka, Kansas.

Corn Planting Time.

Sing a song of seed time
And a hungry crow,
Sing about a farmer
Watching for the foe.

Sing a song of shrewdness,
Bird against the man,
Sprouting corn the guerdon,
Hold it he who can.

Sing a song of harvest,
Housing of the grain,
Farmer gets his seed back,
Crow has got the gain.
—Frank H. Sweet.

Cane a Shortgrass Money-Maker

BY G. E. MATKIN.

[Written for Farmers Mail and Breeze.]

I have lived in Ford county, Kan., on the same farm 26 years and have had 26 years of successful handling of cane. As a feed and grain crop it is the best money-maker of any crop raised on my farm. I find it will make more forage to the acre than any other feed crop sown or planted. It can be planted early or late and a stand guaranteed if seed is good. It will stand more hot and dry weather, and more hot winds than corn and is much less troubled by insects during its growth than corn. Also the crop is not nearly so likely to be injured by hail storms, since it makes most of its growth after the hail season is over.

Better Than Wheat or Corn.

The seed is cut and handled much cheaper than wheat, oats, barley or corn, and the stalks are worth more per acre than the corn stalks or straw. The seed as a rule is much higher in price than corn, oats or barley and in most years as high or higher than wheat, and if the crop is raised with the same care that corn generally receives, it will outyield it in bushels per acre west of the 90th meridian.

The crop can be grown, threshed and sold when labor is the cheapest and when bad weather is least apt to occur. Cane can be planted in June and threshed and sold in January usually at best advantage, making the quickest returns of any crop generally raised.

How the Crop is Handled.

Cane raised in rows for seed should be cut with the corn binder and left lying in the bundle for from 2 to 15 days, then shocked. If for hay it should be cut about the time heads are beginning to come out of the boot. Cure it thoroughly in the swath, then rake and cock it in good, big bunches. Let it stand for two or three weeks then stack in large ricks to be fed out any time thereafter.

The fodder should be fed before very much freezing weather or it will sour, and the saccharine juice will act on livestock like feeding them vinegar, thus drying up the blood and making the animals poorer every day. The only way to overcome the souring of the cane is to run it through a cutting machine or shredder and then stack a load of straw and a load of cane alternately. By so doing you may keep cane sweet until used and the straw would be much improved also.

Bucklip, Kan.

Milo vs. Corn in Central Kansas

A LAST YEAR COMPARISON.

Mr. Editor—We have grown milo for years and never had chinch bugs hurt it until last year when we had a patch alongside of an infected wheat field. After the wheat was cut the bugs got into the milo but the first rain seemed to stop their work. We had another patch of milo near a corn field. The milo made 70 to 75 bushels per acre while the corn made 10 bushels. For a sure crop milo is the best thing we have ever tried. It is a large soft grain, good for horses, cattle, hogs, and poultry. There is not as much fodder in it as in Kafir but it is well liked by stock.

Lindsborg, Kan. S. J. R.

Cutworms Are at Work

Cutworms are busy in many alfalfa fields and are doing some damage to growing wheat. The outbreak seems to be a more serious one than any since 1909 when wheat and alfalfa in the southeastern part of Kansas were considerably damaged, says Dr. T. J. Headlee, state entomologist. Where hogs and chickens can be turned into an infested alfalfa field they will make short work of the worms, in fact hogs will give all their attention to the worms so

long as smooth and the soil is soft. The worms can be poisoned in small areas with bran mash poisoned with Paris green or white arsenic but this is a risky practice on account of the danger to birds, poultry, and other stock.

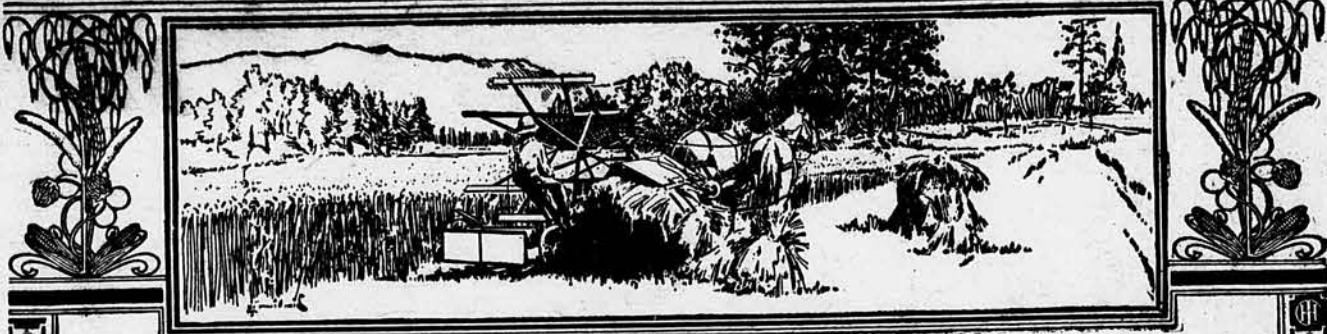
Don't Plant Milo Too Thickly

Mr. Editor—Milo should not be planted as thickly as Kafir or the grain will not mature and it loses that sweet, sugary taste which stock likes so well. My experience with different kinds of forage has made me very partial to milo. I have been feeding my horses on it and they eat it head, stalk and all. I changed to Kafir but they threw it out of the troughs and mused it up, eating only a little. My hogs prefer milo grain to corn or Kafir. I have found that the dwarf milo excels the other varieties in nourishing properties.

Carpenter, Okla. D. L. Grove.

Keeping Paint Brushes Soft.

When the painting is finished soak the brushes in kerosene and work the paint well out, then wash in warm water, using plenty of soap, rinse in clear water, and let dry in a warm place. Brushes treated in this way can be put away as soft and pliable as when new.

**A Glance Backward**

OUR experience with harvesting machines began eighty-one years ago, away back in 1831. In that year the first practical reaper was invented. Probably not one thousand of the millions of farmers who read this have any distinct recollection of agricultural conditions in this country at that time. Wheat fields were small, because there was no way of harvesting large crops. Ninety-seven men out of every hundred worked in the fields and tilled the soil to secure a scanty subsistence. They could raise just about enough wheat to feed the workers. There was none to export; there was none to store.

Into the midst of these conditions came the inventor of the reaper. He was a farmer who had worked through the sixteen-hour-a-day harvest time, swinging a cradle, gathering sheaves, and building shocks. He knew farm work. He knew its cost in time and labor. He figured out a way to save that time and labor. He built a practical reaper, which made it possible to grow more wheat and harvest it in season; a machine which would increase the value of farm lands, release an army of men from drudgery and put them to work in other gainful occupations. This machine, the same in principle but vastly improved in form and capacity, is marketed today under the following names:

Champion Deering

The inventor had supreme faith in the future of farming in this country. The strength of his belief is shown by the record of the ten years following the invention of his reaper—ten years devoted to a desperate struggle with custom, habit, and prejudice, before he found a farmer who would buy one of his machines; ten years of discouraging, disheartening effort that would have broken the spirit of a man with less faith in himself and his machine. That his faith was well based and his foresight clear was quickly proved

McCormick Milwaukee

when the first strenuous fight was over. He lived to see his dreams come true in great seas of billowy grain that demanded machines for their harvesting, in the enrichment of the tillers of the soil, in the passing of harvest drudgery.

The harvesting machine has become the farmers' standby at the critical time when the reward of his season's work is in sight. It has made good in every way.

I H C binders, improved by every device that the ingenuity of practical farmers and trained mechanics could suggest, meet successfully every harvest-time condition. They reap and bind all the grain; short and tall, long, tangled, and down, yet they are so simple that they may be placed safely in the hands of unskilled help. In case of accident, duplicate repair parts that will fit, can always be obtained quickly. The organization behind I H C machines lets nothing stand in the way of service to farmers who use our line of machines. The harvest must be garnered without interruption or delay.

We have been in this business since the first practical reaper was built. The standard of the past is our standard of the present—only the best machines, durable, dependable, meeting every harvest or hay field condition. You take no risk when you buy harvesting and haying machines and tools bearing the I H C trade-mark.

Osborne Plano

In binder twine also our standard is the highest. We have seven brands, Champion, McCormick, Osborne, Deering, Milwaukee, Plano, International, all made in Sisal, Standard, Manila, and Pure Manila grades.

See the I H C local dealer for catalogues and full information. To secure the benefit of our years of experience, purchase an I H C binder and your twine from our local agent. If we can assist you to decide, please write us.

International Harvester Company of America

(Incorporated)

Chicago

U S A

I H C Service Bureau

The purpose of this Bureau is to furnish, free of charge to all, the best information obtainable on better farming. If you have any worthy questions concerning soils, crops, land drainage, irrigation, fertilizer, etc., make your inquiries specific and send them to I H C Service Bureau, Harvester Building, Chicago, U S A.



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Peerless Jr. and Ann Arbor No. "90," with 24-4
H. P. Will bale 12-25 tons in 10 hours. A light weight Baler for
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