

THE FARMERS MAIL AND BREEZE

Volume 43

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Number 8



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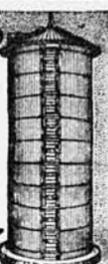
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What Farmers Are Thinking

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 Dissenter As to Politics.

Mr. Editor—The Mail and Breeze for farming, stock, and poultry information is very good, simply first class, but your political wind-jamming and nagging is a nuisance and should not be in the magazine at all. J. M. Hain.

Box 219, LaHarpe, Kan.

[Glad to have your honest opinion. Nevertheless a farmer IS a citizen, a pretty useful and important citizen, with interests of paramount importance to the nation. Occasionally one is found who, like Brother H., thinks a farmers' paper, standing for those interests, should not discuss politics. It is, however, a noteworthy fact that all the best farm papers of today are "doing it." They are discussing men and measures earnestly and patriotically and with more sincerity and independence than any other class of publications. And the Mail and Breeze believes this to be a good sign.]

Why Not License Team and Wagon?

Mr. Editor—I want to register a kick on the auto tax. Not simply because I own one, but because I think it unfair. It would be just as fair to put a special tax on my team and wagon.

Mr. Capper is about right on the school question. Too much time is spent on studies that 9 times out of 10 will be of no material benefit.

Cut out some of these tax laws, too, that would tax a fellow to death and then pension him in old age because he hasn't anything.

Portis, Kan. B. F. Granger.

Fallacy of Lumberman's Argument.

Mr. Editor—I should like to speak for the laboring man and the farmer in reference to the article written some time ago by a lumberman who was ashamed or afraid to sign his name. If the state would guarantee to every laborer and farmer 33 1-3 per cent on his investment there would be twice as many farmers in the next five years. Laboring men would quit working for corporations and go to farming. Then there would be a shortage of laboring men and their wages would be raised from \$2 to \$5 a day. The truth is a farmer has to hustle to make 10 per cent.

If the legislature would do what this lumberman wants there would be 10 times the number of stores in town there now are. Fred Kohler, Jr. Cactus Hill Farm, Goodland, Kan.

A Scheme For School Consolidation.

Mr. Editor—The greatest objection to rural school consolidation is the distance the pupils have to go to and from school. Now, it is possible to have a district of 72 sections and yet no one be farther than 6 miles from school, or 18 sections and no one more than 3 miles from school. Arrange the school buildings so there will be a district of 18 sections with a school house in the center of the township, also a school house at each corner of the township. Have the four quarters of the district in four townships. Then, with a high school in the center of every other township, located after the same plan and serving a territory of 72 square miles, the districts would be the largest possible with the least possible distance from school for every pupil.

It will take united action on the part of school patrons and educators to get the public mind impressed with the saving in taxes, children's time, and the gain in efficiency by this system compared with haphazard consolidation, or none at all. To make it effective it should be statewide in scope. Here is an opportunity to co-operate. Who's for it? Conway Springs, Kan. A. Reeves.

Wouldn't Stand For a Wide-Tire Law.

Mr. Editor—Mr. Osburn says in a recent Mail and Breeze that the road money should come from the source that wears the roads out. The farmers, of course, wear out the roads and have to and do pay taxes on all wagons and buggies: Of course farmers would be fool-

ish to let any man, or set of men, compel them to use nothing but 4-inch tires on their buggies and wagons. Farmers are vitally interested in the road proposition. They give the land to the public for road purposes and ever after pay taxes on it. Also they dig up the dough to maintain them in a direct or indirect way. Then when the roads need work the farmers go out and do that. They often give work free gratis. But we cannot work on the roads all the time nor spend all we make to keep them up. Most of this good roads talk in the papers comes from concerns that want to sell road tools to the different townships, road supplies, or automobiles. I don't believe the farmers want outsiders to come in and do the road work for them. All the contractor would care about would be the money and the more money he could get and the less work he could do the better he would like it. Elias Farr. Sylvan Grove, Kan.

Schooling Ends Too Soon.

Mr. Editor—I have read the different comments on educational affairs in the Mail and Breeze with great interest. I heartily agree with some of the expressions. I note what Mr. Capper says in regard to overloading the children with useless studies. I admit one or two should be taught simply as a reading lesson but I think the others are useful or will be in the business life of the average person. When we see that only a small per cent of the pupils ever attend high school I think the common school is the place to teach them.

In the recent county examination in this county several pupils made an average of 95 and many more made as much as 90 per cent. Now, if the children in the schools are overloaded how can we account for so many passing the examinations before the age of 15 years?

I think one of the greatest faults is letting the children pass before they ought to. Personally I know of dozens of cases where a great injury has been done and the pupils who passed under 15 years quit school because they thought their county diploma justified it. I have in mind one pupil who passed when 11 years old and quit school. I found him very weak in many subjects.

I advocate harder examination requirements and a change of the truancy age from 15 to 17 or 18 years. I consider the present law in regard to teachers' certificates is excellent, for teachers will have to qualify and train for the work or quit teaching.

B. H. Gear, Principal of Schools. Wellsford, Kan.

This Would Stop the Panics.

Mr. Editor—I have been taking the Mail and Breeze for four years and enjoy very much the comments of T. A. McNeal. Every one should read them.

We have a good subject started now—the money question. We must keep it up till there is something done. The government should issue money direct to the people. A national bank note is no better than a government note. If that is true why not use the government note? If we get too much money we could take it out of circulation through taxation. Establish a central bank in the name of the government for emergency, only, in panic times. Let the government issue government bonds as legal tender and put that money in circulation through labor in national improvements. Lend this money where it is needed. Where a country is nearly all mortgaged lend this money at a low rate of interest. Improve our waterways and roads with this money, or any national improvement to get the money at the right place where it is needed.

The value of money should be based on the products of the earth and labor. If the products or labor are too high we have too much money, if the products and labor are too cheap we haven't enough money. One way would be to tax the people and take it out of circulation, the other to issue more money and put in circulation. With this central bank and our postal bank we would have no more panics from Wall Street. They would keep their money just as busy as they could for they would not want the government to put out any money. This, I think, would be a cure for panics. If the government would finance the producer and laborer, the money would find the way to the financiers soon enough. Marshall, Okla.

V. Howell.

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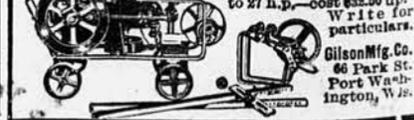
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THE FARMERS MAIL AND BREEZE

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A QUARTER CENTURY OF KANSAS AGRICULTURE

IN THE last quarter of a century Kansas has made marked strides in agriculture, as is shown in aggregates of her products and their values. The accompanying diagrams will suggest something of their magnitude and increase.

The cause of this general increase is found principally in the enlarged areas brought under the plow, increased prices for farm products and the introduction and adoption of new crops found peculiarly adapted to Kansas soil and climatic conditions. It so happens, too, that acre yields for the principal crops, corn and wheat, were considerably larger last year than a quarter of a century ago. The reason for this, however, is that the season of 1912 was the more favorable, but a comparison of the official statistics for the first and the last years of the quarter century ending with 1912 is interesting and suggestive.

Probably the best evidence of Kansas being appreciated as an agricultural state is the increase in the value of her lands. In 1887 their assessed valuation was reported at about 170 million dollars. Assuming that that amount represented, under the old system of taxation one-third, say, of their money equivalent, the total would have been 510 million dollars, while the aggregate reported by the state tax commission in 1912 on a basis of actual value, was \$1,358,118,313, or a general increase of 146 per cent. Many owners have become wealthy within this period merely through the rise in the value of their land, and one pleasing feature of this is that the old-timers, those who stayed and kept the faith are among the chief beneficiaries.

That faith in the productiveness of Kansas loam was not misplaced is plainly indicated by the total value of farm products in the 25 years, amounting to nearly 5 billion dollars. Of this sum livestock contributed the most, or more than 1 1/2 billions, corn next, with nearly 1 1/3 billion, and wheat third, slightly below 1 billion. Oats was worth 208 millions, tame hay 175 millions, prairie hay 160 millions and Kafir 126 millions. The value of no other product reaches so high as 100 million dollars.

While the area cultivated now is more by 66 per cent, the values of the state's field crops are practically 200 per cent more than 25 years ago. In 1887 wheat sold at about 62 cents a bushel; in 1912 at 80 cents. In the earlier year corn was worth 35 cents; last year it averaged more than 50 cents a bushel. Twenty-five years ago there were more beef cattle in Kansas, but judging from the pleasing gain of nearly 200,000 head in milk cows it is evident that increased attention is being constantly given this important branch of our husbandry. The dairy products in 1887 were reported as having a value of less than 5 million dollars; but in 1912 it was 13 million dollars. This big growth is doubtless partly attributable to more extensive growing of alfalfa—a superior milk-maker—the increasing use of the silo, and the establishing of creameries which make convenient markets for the raw material and find those most profitable after it is manufactured.

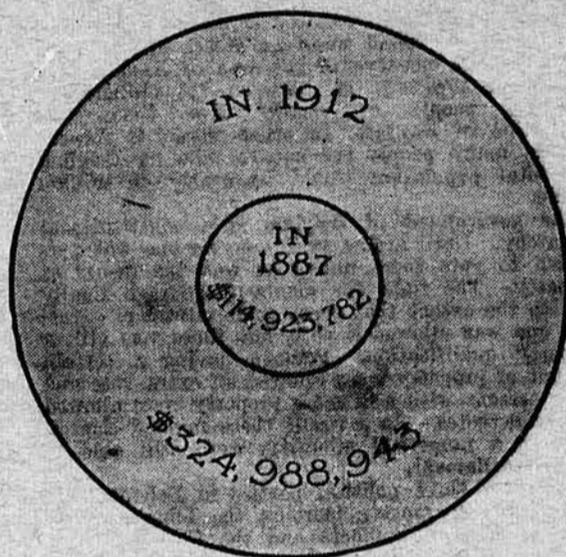
The illustrations tell a striking story. Take the one showing corn, wheat, oats and potatoes: We see at a glance that the yield of corn in 1912 was more than twice that in 1887, its value considerably more than three times as great, and that of the four products corn is by far the most important. The differences in the yields and value of wheat are much more notable. The oats and potato crops were both less in yield than in 1887, but the value of the oats was greater, owing to the larger price per bushel. Sixty pounds of potatoes were worth about the same in 1887 as in 1912, and hence of these four crops it is the only one to show a decreased aggregate value.

As is now pretty well known, Kan-

Five and a Half Million Acres in Three Crops Which Were Unknown to the State a Generation Ago

BY F. D. COBURN

Written Expressly For Farmers Mail and Breeze



Kansas farm products, values, twenty-five years ago and in 1912.

| | |
|------|---------------------------|
| 1912 | KAFIR - 1,422,114 ACRES |
| 1887 | NONE |
| 1912 | ALFALFA - 1,000,785 ACRES |
| 1887 | NONE |
| 1912 | MILO - 183,611 ACRES |
| 1887 | NONE |

The three "Unknowns" 25 years ago. Kansas' Kafir, Alfalfa and Milo acreage as reported in 1912 and in 1887.

| | |
|----------------------|----------------------------|
| 1887 - \$126,558,042 | Kansas Live Stock, Values. |
| 1912 - \$225,166,533 | |

| Yields Bu. | | Values |
|------------|----------------|--------------|
| 1887 | CORN | \$26,836,422 |
| 1912 | | \$85,483,681 |
| 1887 | WHEAT | \$5,759,448 |
| 1912 | | \$71,227,437 |
| 1887 | OATS | \$12,232,243 |
| 1912 | | \$16,074,548 |
| 1887 | IRISH POTATOES | \$6,883,680 |
| 1912 | | \$3,438,261 |

Diagram showing comparative yields and values of Kansas corn, wheat, oats and potatoes in 1912 and 25 years ago, and their relative importance.

sas is the leading alfalfa state. We have been raising this so successfully and so extensively and it is such a common sight on nearly every farm it is regarded as one of our big things, yet no alfalfa acreage was reported to the state board of agriculture 25 years ago, and the board has been recording the statistics of Kansas for a half century. More than a million acres of alfalfa are now growing in Kansas, and the tame hay output has been quadrupled.

Kansas is second, if not first, in Kafir. A quarter of a century ago there was none reported. In 1912 its planting covered over 1,422,000 acres, and its value as grain and forage was appraised at nearly 20 million dollars. Milo has come to be important in some sections, and it, too, is also of comparatively recent acquisition. Then there are the sugar beets. In 1901 the state paid a bounty to encourage their production, but the industry was soon able to stand alone. Last year's beets brought to their growers more than \$484,000, and there is now a million-dollar mill at Garden City for manufacturing the beets into sugar, and its output is of the highest quality. Prospects for extending this industry, now chiefly limited to two upper Arkansas valley counties, into other territory are promising. Emmer, erroneously called "speltz," is least important of the new comers.

These are five crops established in our agriculture that were not grown 25 years ago, or if cultivated at all it was on but a very limited scale, and merely as an experiment. Now Kansas surpasses all in the production of one, and likely is entitled to the same distinction for another. In 1912 the value of these five crops would probably approximate 50 million dollars. Adding this amount to the yearly income is gratifying, and particularly when these crops have so substantially assisted in making farming more dependable and prosperous in some portions at one time considered adapted for little except grazing.

There is probably no state with wider diversity of crops of proven worth. Of these the farmer may so plant and sow that he is well-nigh assured of a harvest, and independent to a considerable degree of the vagaries of the seasons. Those who "put all their eggs in one basket," as does the man who depends wholly on wheat that fails, are the ones liable to find themselves in an uncomfortable situation. The farmer who will milk a few cows, raise a flock of fowls, plant some ground to alfalfa and the never-failing sorghums, build a silo and properly fill it, will probably find himself in quite happy circumstances, even though his wheat may be blasted or his corn fail to have ears.

With the knowledge we now have of our soils, conditions, crops and methods, it would seem that Kansas should be on the threshold of a growth and development such as will by far eclipse the proud record of the past. More livestock, to meet the increasing demands for meats and milk, and supply valuable fertilizers for the lands, together with the legumes, rotation and the better farming that will follow, should greatly swell the profits of the future husbandmen and make for a stable prosperity surpassed in no other commonwealth.

Twenty-five years hence the achievements of the quarter century just past may by contrast appear insignificant. Kansas has nowhere touched her zenith and what she has done is but a hint of the possibilities ahead; in fact, she is just beginning to thoroughly know herself. It is the writer's belief that Kansas is only fairly started toward an infinitely improved and enlarged agriculture, destined to support a greatly increased population and make her still more potent as a surplus producer.

F. D. Coburn

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PASSING COMMENT

by
T.A. McNeal.

TROUBLE WITH CALIFORNIA.

The whole trouble over the Japanese question in California arises out of our peculiar form of government, which to begin with was a compromise and like a great many compromises has resulted in a vast amount of trouble.

Every school boy who has advanced as far as the eighth grade has of course a general knowledge of the fact that the United States government was made up by the union of 13 different states, but neither the school boy nor even the ordinarily well informed citizen is likely to have read much if any of the debates that took place in the convention that formed the constitution of the United States. He does not know how near that convention came to failing to agree on a constitution and how much opposition developed among the various states to the ratification of that instrument after it was submitted to them.

The loose confederation of the states that had been tried for a number of years had proved to be an ignominious failure. The federation had little credit either at home or abroad. Thoughtful men saw that a stronger form of government would have to be adopted or else the whole thing would go to pieces, but while this was evident there was a strong reluctance on the part of a great many of the colonists to give up their independence. They were afraid of a strong central government, fearing that it would mean a return to a monarchical form of government.

The result was an attempt to form a constitution that would provide a strong central government without taking from the various states their right of independent sovereignty. The result was that we have had two irreconcilable principles in our government.

A great many supposed that the war had settled the question of the sovereignty of the general government over the various states, but the case of California reveals the fact that there is still a conflict of authority.

To me it seems absurd that any state should have a right to pass a law that in effect nullifies a solemn treaty entered into between this and some other government. And yet that is the position apparently taken by California. This government entered into a treaty with Japan in which it undertook to guarantee that Japanese subjects in this country should be treated in exactly the same way so far as privileges are concerned as the subjects of the most favored nation. In other words, this government promised Japan that no foreigners in this country shall be treated better than Japanese.

But here comes the state of California insisting that it has the right to pass a law especially discriminating against the Japanese and therefore practically annulling the treaty made by this government.

It is rather remarkable too that this question should become acute when the political party is in

power which has always been a stickler for the rights of the states. Here is the president of the United States pleading with a state not to do a thing which his party has strongly contended a state has the right to do.

I think the president is entirely right in asking California not to do a thing that abrogates our treaty with Japan, but to my mind it only emphasizes the absurdity of the double sovereignty doctrine. Either the general government should be deprived of the right to enter into treaties with other governments or else no state should have the right to set aside the provisions of a treaty after it is made.

We may be able to fix up this difficulty with Japan without serious trouble, but unless the policy is adopted that the general government is supreme and that no state has a right to annul either in part or in whole a contract made with another nation by the general government, we are certain to get into serious difficulty sooner or later.

Here we are. The United States makes a treaty. A state upsets it. The foreign government calls for an explanation. The president of the United States, through his secretary of state, replies, "Yes, this government made the treaty all right, but one of the states that make up this government says that it doesn't go." What a humiliating position that places the United States in. And is not any foreign nation entitled to regard us with contempt if we make such an excuse?

THE CASE OF BELGIUM.

A reader wants to know something of the reason for the strike in Belgium, which simply shows that the readers of the Mail and Breeze are interested not only in the affairs of Kansas but all over the world.

Belgium is a small country in point of territory. It contains in round numbers 11,300 square miles or just about one-seventh the area of Kansas. Its population however, is between 7 1/2 million and 7,600,000 people or nearly five times the population of Kansas. In other words, if Kansas had as many people per square mile as Belgium our total population would be nearly 40 million people.

The government of Belgium is a constitutional monarchy. Until a few years ago no one was permitted to vote there unless he was the owner of property. The fight for manhood suffrage finally won to the extent that every male citizen of a certain age was allowed a vote, but there was still a property qualification. Persons having a certain amount of property were allowed an extra vote and other persons with still more property were allowed two extra votes. As a result these favored classes, while in a numerical minority, were still able to control parliament.

There are three political parties in Belgium, the Socialist party, most numerous; the Liberal party, next in point of numbers and the Clerical party, least in point of numbers, but powerful on account of the voting privileges of its members.

On the subject of the franchise the Liberal party and the Socialist party were in harmony. Both demanded that there shall be but one vote for one man. Finally it was decided to inaugurate a great political strike based on the demand for manhood suffrage and the abolishment of the property advantage in the matter of voting.

Nearly half a million workers struck. They included all kinds and classes of workers. Business was practically suspended so far as Belgium was concerned. Finally a compromise was proposed. Parliament has not acted as this is written but the strikers believe that they will get practically what they demand. If they do the Liberal and Socialist parties together will have a large majority in the parliament and it will not be surprising if the Socialist party is strong enough to elect as many members of parliament as both the other parties.

The king of Belgium is said to be bitterly opposed to the extension, or rather equalization of the suffrage, but kings over there do not sever as much congealed moisture as they once did.

THE TARIFF MATTER.

I do not propose to weary the readers of the moral and agricultural guide with a discussion of the tariff. You would probably be little wiser than you are now if I did.

The thing that has always impressed me in later years in reading tariff discussions is the evident lack of sincerity and fairness on both sides. The advocates of a high protective tariff have tried to attribute to it all the prosperity the country has ever enjoyed and held it up as a panacea for all political ills. On the other hand, opponents of a high tariff have charged up to it all the evils that afflict our body politic. The moderately well informed citizen knows perfectly well that both sides are trying to deceive him or deceive themselves or both.

There is and has been more buncombe emitted by public writers and speakers on the question of the tariff than about any other subject on earth that I know anything about and so far as I can figure it up one side is as guilty as the other.

There has been a good deal of talk during a few years past about making a tariff that will equal the difference in cost of production in this and foreign countries. Congressman Underwood, who is at the head of the committee on ways and means and

the author of the tariff bill that will be passed by the present congress, attacked that theory the other day as untenable and impossible of execution.

And Underwood is entirely right. Cost of production varies. In no two countries probably is the cost of production the same. A tariff that would equal the difference in cost of production would have to have different schedules for each country. The tariff on goods manufactured in Germany would bear a tariff rate of perhaps less than half the tariff rate imposed on goods manufactured in Japan or China. A tariff rate that would equal the difference in cost of production of cotton goods in Japan and this country would be so high that it would absolutely shut out all importations from every European country. No tariff bill ever has been built on that theory and never can be. Underwood is right.

On the other hand Mr. Underwood maintains that tariff should be levied for revenue only. He has argued that the only justification for a tariff was the necessity for raising revenue. His position is just as untenable as that of the congressman who talks about a tariff that will equal the difference in cost of production.

There never has been and probably never will be a tariff bill passed that will not be a protective tariff and furthermore it will be framed with that purpose in view. A tariff for revenue only would be one levied only on such articles as are not produced at all in this country. Imports of that kind would produce such a trifling revenue that it would hardly be worth while to keep custom houses open for the purpose of collecting it.

There was a time when no coffee or tea was produced on territory belonging to the United States, but that is true no longer. Every tropical and semi-tropical product can be produced now on United States territory, therefore a tax on coffee, tea and spices is now a protective tariff and calculated to give special privileges and profits to the inhabitants of part of our own territory at the expense of other inhabitants.

We do not produce diamonds and some other kinds of precious stones in the United States. A tariff on them would therefore be strictly for revenue. It has been discovered however, that these precious stones being easily concealed, a high tariff duty simply leads to smuggling which it is very difficult to stop. The cost of the army of detectives necessary to catch the smugglers would be more than equal to all the revenue that could be obtained.

A tariff can only be defended on the theory that it is necessary to protect our own industries. If it is not justified on that ground it certainly is not justified at all. If getting revenue is the only justification it is manifestly unfair that a few should actually be enriched by a revenue that the many must pay.

Assuming that the tariff actually does enrich a few and rob the many, as Mr. Underwood has publicly stated, then he is a most shameless robber for he confesses that he is constructing a robber system. It is a lame excuse for him to say that his tariff will not rob the many of as much as the tariff that it will displace.

That excuse is on a par with the man who would hold you up on the highway and rob you of all your money except \$10 and then claim great credit because some other robber would not even have left you the \$10.

Tariff is either right for protection's sake or else free trade is right.

THE NERVIEST PEOPLE ON EARTH.

Much as I hate war I cannot help feeling a wonderful admiration for the little bantam of a country that is at present defying all the great powers of Europe.

Montenegro is made up for the most part of rugged, barren mountains and not much territory even of that sort. Its total area is just a trifle more than 3,400 square miles or just about as much as four average sized Kansas counties. It has a total population of only 250,000 and its total revenues amount to less than three quarters of a million dollars per year.

With this limited revenue however, it manages to pay its debts and furnish a reasonable education to every one of its citizens. With a total population of only 250,000 it has put into the field an army of 30,000 men who are probably the superiors as fighting men to any other body of soldiers in the world.

Turkey came near overrunning all Europe at one time and did conquer the eastern half of it with the exception of this little mountain country of Montenegro. That was one country that the Turks could never subdue. Armies were sent into the mountain fastnesses only to be driven back, partly by starvation and partly by the indomitable valor of the mountaineers.

All through the decades when Bulgaria and Serbia and Greece were groaning under the Turkish tyranny, Montenegro was free, defiant and unconquerable. Every male citizen of Montenegro is a soldier. Every able bodied male between the ages of 14 and 62 is liable to be called into active service and what is better he does not need to be drafted, he is ready and anxious to go.

It is said to be the rule in Montenegro that if a soldier turns his back on the foe for any reason whatever, he is disgraced and his punishment is to be ride face to the rear, on the back of an ass and be scourged through the Montenegrin capital. It is the boast of these indomitable people that

no man or boy has ever yet had to endure this humiliation and punishment. Every one of them would a thousand times rather die than to be so disgraced.

The siege of Scutari (pronounced Scootery, accent on the first syllable) is one of the most remarkable sieges in history. In the capture of this stronghold one-sixth of all the men of Montenegro able to bear arms lost their lives. Austria was constantly threatening them and ordering them to quit. They went on with the fight apparently unmindful of Austria. The great powers who are supposed to exercise a guardianship over Europe, ordered Montenegro to give up the siege and the answer was the scream of shells rained on the doomed city and the pressing closer and closer of the invincible mountaineers toward the fortifications of the enemy.

Austria grew frantic and commenced to issue ultimatums but Montenegro went right along with the siege until the city was captured and with it an army almost equal in number to all of the mountain soldiers who were engaged in the siege. And now with the prize won the brave little bantam among the nations calmly tells Austria and the other great powers that she intends to hold what she has won and defies them to come and take it away from her.

The courage of these mountaineers has won the admiration of the world and the probability is that Austria after all will not dare to try to make good her threat.

There is a lesson to be learned from the case of Montenegro. It demonstrates what courage and "never say die" will accomplish.

There is plenty of need for courage in other places than on the field of battle. There is need for it right out here in Kansas and there has been a good deal of it shown. The man who never turns his back on trials and difficulties, but faces them and fights may require as high a kind of courage as the soldier who refuses to turn his back to the enemy in time of battle.

The world has little use for the whiner and the coward. There are men, who, when they are knocked down and run over by hard luck, will lie there and groan and howl about their misfortune. There are other men who, when they are knocked down and run over will, as soon as they can catch their wind, get up, knock the dirt from their garments and start out again for the goal of success. They may be bruised up considerably and lamed; their clothes may be considerably ruffled and torn, but that doesn't stop them.

The world loves a fighter. I do not mean by that a quarrelsome man, one who is looking for trouble or ready to shed his coat at every real or fancied slight. The brave man is often the best natured. I mean the man who faces the world and all its disappointments with the determination to win. Nine times out of ten he does win. That sort of a man doesn't waste any time sitting round complaining because he is abused and hasn't a chance. Maybe he hasn't as fair a chance as he ought to have, but it doesn't help to sit down and whine and complain about it, or to nurse a chronic grouch against the world in general.

I can hardly imagine a people who seemed to have a poorer chance to win than the people of Montenegro. A little country made up for the most part of bleak and barren mountains; only a little soil to cultivate and a fierce, powerful enemy ready to take that little away. Their stronger neighbors overcame and ground down to what looked like hopeless servitude.

Here was just a handful of poor mountaineers making a fight against such odds that their fight seemed hopeless, absurd. But the difficulties never daunted them. The size of the army sent to conquer them made no difference to them. It was their calm boast that the bigger the invading army the more would be left dead in the passes of the mountains.

And they won. The fight for liberty kept up year after year and generation after generation has resulted in a race of men and women who can look death in the face unafraid and who would gladly die rather than give up their liberty. Hardships mean nothing to them. They glory in hardships and now this little bantam with fewer people by nearly a hundred thousand than live in our neighboring city at the mouth of the Kaw, sits tight among its mountain peaks and defies the powers of Europe with all their standing armies, with their vast accumulations of wealth and multiplied millions of people.

WHAT IS THE REMEDY?

Several gentlemen in Topeka who have meat markets, offer to turn them over to the ladies who are investigating the high cost of living, for a period of three months. They say the ladies can have full swing so far as the meat business at their shops is concerned and if they can show that they can furnish meat cheaper than it has been furnished and show any profit they, the meat market men, will adopt the plan followed by the ladies.

If the women accept the offer the result will be looked for with interest but it probably will not give cheaper meat to the customers, unless the meat is sold at cost. And the result will not necessarily prove anything one way or the other about the high cost of living.

It is undoubtedly true that there is great difference between the price paid the producer for

what he raises and the price charged the ultimate consumer for what he eats and wears, and yet it probably cannot be shown that many retail dealers are getting rich out of their business.

The cost of distribution is too much but we have to have it until some better method is put into operation. If all of the middlemen would suddenly go out of business that would cause a vast amount of inconvenience, suffering and actual loss, for the reason that at this time there is no system of co-operation between the producers and consumers.

Apparently the people over on the other side of the water have made more progress toward the solution of this problem than we have. The Rochdale Co-operative association with its millions of members is now one of the most powerful commercial institutions in the world. It was at first simply a distributing concern, but now it has become a producing as well as a distributing organization. Every member of that vast co-operative association gets the benefit of the saving in both cost of production and distribution.

The published reports of this association, started by a few poor weavers without any capital worth mentioning, just the meager savings they were able to squeeze out of what would seem now starvation wages, is more interesting than any novel. It is the story of what can be accomplished by honesty, co-operation and common sense.

Several efforts at co-operation in this country have made total or partial failures for lack of efficient management, which is largely made up of experience and horse sense. The Grange was started on the co-operative theory and is still run to some extent on that theory. A number of Grange stores were started in different parts of the country. A good many of the Grange stores failed but here

I believe strongly in government by the average man. I have faith in the great body of American citizenship—the plain common people.
—ARTHUR CAPPER.

and there one made a success, showing that the trouble with the ones that failed was not the fault of the co-operative theory, but the fault of the individual management.

In the early '90s Kansas was full of Alliance stores. They were supposed to be organized on the co-operative plan. Most of them failed and a good many of the members of the Alliance lost money in these ventures.

The reason for the failure however, was evident enough. Men were put in charge who had never had any experience in mercantile business of any kind. They neither knew how to buy nor how to sell goods. They were worsted when they went to buy and often they gave credit when they should not have done so. They stocked up with inferior goods and inferior machinery and often paid too much for what they bought. The business was often run in a slipshod way and the manager of the store never did know just where he stood or whether the store was making or losing money.

Of course a concern run that way was bound to fail, but it did not prove at all that co-operation was a failure. The wonderful success of the Rochdale association proves just the contrary.

THE PROPHECY OF JACOB.

Jacob Coxey, who achieved fame 20 years ago by leading armies of tramps to Washington and demanding that they be furnished work, is doing some gloomy prophesying these days. He says that in 1914, that is next year, the gutters of this country will run with blood.

The reporter who got the interview from Jacob failed to get the most interesting part, the reason why this sanguinary flood should pour down the gutters. It is evident that Jacob is looking for hard times but just why the Associated Press report does not say.

The passage of the proposed tariff bill will no doubt disturb business to some extent. If it results in a general shutting down of factories of course hard times will follow but I do not believe it will result in the shutting down of factories, at any rate not to the extent that some advocates of high protection are predicting.

On the other hand lowering the duties on imports is not of itself going to afford any relief in my judgment to the laboring classes. The factories will not close but they will probably lower wages and the cut in wages will probably more than equal any saving the working people can realize in the purchase of the necessaries of life.

There is a way, however, in my opinion that hard times can be avoided, work be made abundant and with the lower tariff possibly the cost of living may be reduced. If the government would start needed public works, such as the building of roads, the development of water powers, etc., and pay for the same not with the proceeds of interest-bearing bonds but with non-interest-bearing government notes, and would in addition furnish money to municipalities and farmers' associations to be used in the payment of present debts, and the development of farming and other industry, all labor would be profitably employed, money would be abundant

and also sound, and there would be no occasion for discontent and bloodshed.

Will the majority in congress have the wisdom to do that? If they do in my judgment they will give the Democratic party a lease of power for many years. If they do not; if they do not rise to the occasion; if hard times and bloodshed come, as Coxey predicts, then the political name of the Democratic party will be changed to Dennis, Mud or Pants, the designation being immaterial. It will be cast out of power and in my opinion will not be again given control of this government for half a century.

The party is on trial now. The people didn't have much confidence in it, but enough of them made up their minds to give it one more chance to put it back into power. Now if it doesn't improve this chance it will be the last one it will get for a long, long time, maybe for all time.

WANTS INFORMATION I CANNOT FURNISH.

Editor Mail and Breeze—Would you please state in your Comment what are the different salaries of railroad presidents and big officials in this country of private corporations and in Europe where the governments run the railroads? I see by a New York paper that the supreme court of New York has sustained a verdict for damages for the loss of a leg, of \$25,000. What determines the amount of damages one may recover from a railroad in case of accident and why do United States roads have about 10 times as many accidents as the roads have in Europe where the roads are owned and run by the government?

Beloit, Kan. A SUBSCRIBER.

(1.) I am not able to state the amount of salaries paid the various railroad presidents and other high officials either in this country or in Europe. The report of the Interstate Commerce commission shows that the average compensation of the general officers of the railroad companies of the United States during the year 1910 averaged \$13.27 per day. General officers would include the presidents of the roads, but the report does not give individual salaries. Salaries in Europe are generally much less than in this country, barring the salaries of the royal potentates and high up government officials who are selected mostly from the titled nobility, who are paid greater salaries than public officials receive in this country. No doubt it would be possible to find out just what salaries are paid to officials on government railroads in Europe but I do not have such information and do not know where it can be obtained.

(2.) The amount of damages that can be recovered in case of accident depends on a number of things. The earning power of the person injured before and after the injury; the bodily and mental agony caused by the injury; the degree of negligence on the part of the railroad company would all be taken into consideration in fixing the damages.

Recently a verdict for \$50,000 for personal injuries was rendered in a case tried, I think in Wisconsin. In that case the injury was caused by an old fashioned coupling. For many years the law has required railroads to put on automatic couplers and the fact that this railroad had for so long disregarded the plain requirement of the law undoubtedly was taken into consideration in fixing damages.

There are a number of reasons for a greater number of accidents on railroads in this country than in Europe. No doubt the road beds over there are in better condition than a great many of the road beds in this country. In the second place we have in this country a great number of single track lines and a large proportion of the accidents occur on these lines on account of congested traffic and consequent failure of trains to get out of the way of each other. In Europe they are more deliberate. They do not try to do business in so much of a hurry and as a result there are fewer accidents. All of which argues in favor of government ownership of railroads.

A GOLD STANDARD MAN APPROVES.

Editor Mail and Breeze—I approve heartily of your article on government issuing non-interest-bearing notes instead of interest-bearing bonds. Keep up the good fight and ask all those who approve of your policies to write you. I have long believed in this. I believe in the gold standard.

Coffeyville, Kan. CHARLES MORRISON.

I am glad of course to have the approval of the readers of the Mail and Breeze, but it is not at all important that they write me expressing their approval. What I want them to do is to write their congressmen and senators. They are the men who have the power to help bring about the law providing for non-interest-bearing government notes instead of interest-bearing bonds. They are the ones who have the power to provide a system of government loans at cost of printing and distribution. I do not have that power.

I am glad to have the expressions of encouragement from these readers of mine, but if they are busy and only have time to write one letter each, let that letter be written to a member of congress or the senate.

The Farmers Mail and Breeze will be glad to have its attention called to any misleading or untrue statement, if such should appear at any time in any advertisement in its columns. Readers are requested to assist in protecting themselves and legitimate advertisers.

Ways=Means=Results

Worked Out by Mail and Breeze Readers

Kafir Not Early Enough in Lane

Mr. Editor—Here in Lane county, Southwestern Kansas, I prefer to grow both corn and Kafir. White Kafir seed seldom matures here, being caught by frost, while corn does mature. I burn over my ground in the spring to get rid of thistles and list in May. In listing corn I drop grains about 2 feet apart, while the Kafir seed is planted with a 10-hole plate that will drop about 3 grains to the hill. I plant both the Red and White Kafir, the Red preferred, as I think it makes the best fodder we can get.

I cultivate with a two row weeder, throwing the dirt away the first time to get the weeds along the edge. I go over it twice more, leaving the ground as nearly level as possible.

Amy, Kan. Leon M. Moses.

White Cane to Sell and Feed

Mr. Editor—The cane seed market has proven so uncertain that western farmers are coming to realize they must grow a variety that can be fed as well as sold for seed. I think the White cane is the one we are looking for. It is a valuable grain for feed. Chickens, hogs and horses all do well on it. Some of the best flavored pork we ever put up was from hogs fattened on White cane seed. It made a lot of lard, too.

Last year, in this vicinity, White cane yielded more seed per acre than any other variety. Yields of 20 and 25 bushels were quite common and 30 to 35 bushels were reported. The fodder from the threshed cane makes a good roughness and horses and cattle both relish it.

Jerome, Kan. W. H. Daniels,
Secretary Jerome Farmers' Association.

Milo S. W. Kansas' Best Crop

Mr. Editor—Milo is our best crop here. It will stand more drouth, is from three to four weeks earlier, and will yield more seed per acre than any other plant yet tried in Clark county. I first secured my seed from the experiment station at Manhattan. I listed it early in May and from 1 bushel of seed got a yield of 167 bushels. In 1911 I threshed 1,600 bushels from 40 acres. We all grow the Dwarf milo here.

I notice a correspondent at Liberal wants to know where he can secure the straight-neck milo. In my opinion any known variety will grow "goose necks" if planted thin in the row. I plant it quite thickly, using a John Deere lister. I make the rows 3 feet, 2 inches apart. I bind it in October or November and top it with a knife on the side of the feed rack. One man operates the knife, two place the bundles under the knife, and one man forks the heads back in the rack. I sell the roughness to cattlemen for from \$2 to \$2.50 per acre. In 1912 I received 46 cents per bushel for my seed crop and the 1911 crop brought 50 cents.

Cleaverdale, Kan. W. D. Cleaver.

Peanuts As an Oklahoma Crop

Mr. Editor—I had 5 acres in Spanish peanuts last year and will put out 10 this season. I plowed the ground last November, double disked it in March, will harrow and disk once more, and intend to list the ground shallow the latter part of April or in early May. I shall plant the nuts with a peanut planter, although they may be dropped like potatoes. I plant the seed unfilled but soak them about 48 hours before planting.

The seed needs to be planted immediately after the lister, in order that it will get down into moist ground. I plow and tend the crop the same as corn. Spanish peanuts will stand as much drouth as Kafir and produce a heavy yield of feed for all kinds of farm stock, including poultry. Hogs fed on Spanish peanuts will put on more fat in less time than when fed on tankage. The nuts should be harvested some time in October or when most of them are ripe. One must be careful not to leave them in the ground too long,

as the nuts maturing early may sprout and grow again. They may be pulled and thrown into piles until cured, then stacked. Or they can be mowed and raked up like hay, letting the hogs harvest the nuts. Leroy A. Sprout.

Waukomis, Okla.

Peanuts have not made good as a crop in high altitudes, or cooler parts of Kansas.—Ed.

Who's Who Among the Sorghums

Mr. Editor—In a recent Mail and Breeze the writer of Jayhawk Farm Doin's wished to know the difference between kowliang and rice corn. Well, rice corn is our old friend Jerusalem corn, which has pretty well dried out. The kowliangs are a group looking for a favorable place to become settled. There are about 50 varieties in the group, pretty well divided between the brown and black hulled. The former is the best known and is on trial at a number of stations.

The kowliangs grow tall, with one

use nothing but the best of seed and do not get it out of the trash pile.

By planting late the weeds are not so troublesome and less cultivation is actually needed. When the plants are 4 to 5 inches high I sled the field once, then begin cultivating. The plants grow very fast at that time of year and one cannot give the crop many cultivations. By planting thick I get a more uniform and self-working brush that is always in good demand at a good price.

In 1909 I sold the brush off 25 acres for \$1,000. In 1910 I raised 10 tons on 30 acres, which sold for \$800. In 1911 I planted 50 acres, sledged it once, cultivated it once, and went over every other row the second time. My crop sold for \$2,900. In 1912 I again sold the crop from 50 acres for \$800. Still a good many people ask whether or not broomcorn as a crop will pay. Broomcorn stands drouth and is well adapted to this western country where rainfall is scant. Planted on well prepared ground and kept free from weeds, one may expect a good crop. An inexperienced grower will do well to plant only a few acres until he has learned how to handle it. The seeding and baling is another important point in broomcorn raising. I have found that well seeded brush and neat bales will average \$10

when green. The shrinkage in curing was 85 per cent.

This new fodder plant is now being tested at the experiment stations at Garden City and Hays. There is absolutely no seed on the market at present but the farmers of western Kansas will do well to watch for its appearance, which will probably be within a year or two.

H. Willis Smith.

Garden City, Kan.

Cowpeas For Southern Kansas

Mr. Editor—The best forage crop in this part of the state, central Southern Kansas, is cowpeas. When our farmers once become better acquainted with cowpeas there will be a material increase in the acreage. I value them above alfalfa for feeding. I have both in the barn and the stock will eat the pea hay in preference to alfalfa. The old sow eats the peas first, then goes after the leaves. The chickens get upon the barn floor and scratch for the peas, and they certainly lay eggs.

Cowpeas will thrive on almost any kind of soil. I generally plant them on corn ground, plowing about the middle of May as deep as four horses can drag a 16-inch plow. Right here is one point in favor of the cowpea. It will do well whether the ground is loose or packed. This can be said of few other crops. I sow the last week in May, as that will make the harvest come the first week in September, which is usually dry. Unless grown for a seed crop I recommend drilling from 3 pecks to 1 bushel of seed per acre. No further cultivation is needed, the peas will keep down the weeds. From three days to a week is required to cure the hay for putting it in the barn.

Burton, Kan. Harry Leclerc.

Dynamite For Tough Soils

Mr. Editor—I lived on a farm for five years that was underlaid with a kind of hardpan, 6 feet thick, and determined to see what blasting would do for it. I bought 25 pounds of dynamite of 40 per cent strength, also a wood auger a little larger than the sticks of dynamite. I had a rod welded to the auger. The rod had an "eye" in it, in which I inserted a stick to turn the auger. I drilled down 4 to 5 feet and put in two sticks of dynamite and sometimes four. When the charge went off I could feel the ground shake 30 feet away, and it would blow holes into the ground as large as barrels. I got some charges too deep and they went into the sand. The water would fill the holes, but it did not drain off very well.

One must use dynamite in strength according to the work to be done. In the salt mines at Lyons they use 20 per cent. Used stronger the dynamite breaks up the salt too much. I think W. E. B., of Pratt, Kan., will find 40 per cent strong enough for his purpose. If he will write the DuPont Powder Company, Wilmington, Del., they will send him a book on blasting.

J. F. Sutton.

Route 4, Lyons, Kan.

Kafir, Best of the Sorghums

Mr. Editor—I notice in Jayhawk Farm Doin's somebody is badly mixed on some of the non-saccharine sorghums. I began raising rice corn, Kafir, Jerusalem corn and other non-saccharine sorghums in 1889 and have kept at it ever since. The so-called rice and Jerusalem corns are nearly identical in habit of growth, maturity, etc. Both produce a white grain that shatters badly when ripe. They are earlier than Kafir and milo.

Kowliang is a distinct variety of the non-saccharine sorghums, being much unlike rice corn. The shape of head and seed resemble those of Kafir closely but the stalk is more slender, taller and does not have as many nor as large blades as Kafir.

Brown durra and milo are much alike in habit of growth, appearance and time of maturity. The durra is objectionable on account of shattering when ripe. Kafir is a great forage plant but not dependable for grain in Logan county. With our high altitudes, consequent cool nights and early frosts Kafir more frequently fails than succeeds in maturing a crop of grain. But if cut at the right time and if properly taken care of afterward it has no superior as a forage except alfalfa.

Oakley, Kan. E. C. Prather.



Samples of farm products, and a new drouth-resistant forage plant, grown on the farm of H. Willis Smith, in the sand hills of Finney County, southwest Kansas, in 1912. The forage plant, a member of the spiderwort family, is shown in the picture suspended from the wall, directly over the baby's head. Mr. Smith says it contains almost the same feeding value as Red winter wheat bran. He relates his experience with it elsewhere on this page.

exception. For this reason they are hard to head. Also they are low yielders. The Dwarf variety is one of the brown kind and has been on trial at three stations, the Hays station being one of them. These trials have shown it to be a possible rival of Dwarf milo where that crop is too late in maturing. Last year we had 15 acres in one of the brown kowliangs (No. 171) and it grew 6 to 8 feet high, almost too tall to head. However, it made 10 to 20 bushels per acre, which was equal to the yield of other sorghums and corn. Our Dwarf kowliang was the best yielder by almost a third and beat Dwarf milo by a half. This variety, like all kowliangs, has erect heads, grows to a height of 3 feet and has a leaf area similar to Dwarf Kafir. It is perhaps from two to seven days earlier than milo.

So far I have found nothing that will solve our problem here like the early-maturing Kafir, and I have tried all the sorgho crops spoken of by Mr. Hatch. This Kafir may come from a selection of either the Dwarf (No. 340) or the Pink Kafir of western Kansas. Anyone wishing to know more about the comparative merits of the kowliangs, feterita, Kafir and other sorghums should write to the experiment stations at Hays or Garden City.

McCook, Neb.

C. Bolles.

A Good Brush Raiser's Methods

Mr. Editor—I prepare my broomcorn ground by disking early in the spring to kill the weeds and cut up the old stalks of the previous crop. This disking aids the retention of moisture. After the weeds get a good start I list the ground and let it lie this way until June 1, when I split the ridges and plant. I use a plate that drops the seed 3 inches apart or 60 to 70 seeds to the rod. I

more per ton than those poorly seeded and baled.

Liberal, Kan.

J. K. Dickey.

A New Shortgrass Forage Plant

Mr. Editor—The picture shows some of the 1912 products on our homestead in the sand hills of Finney county. The 11 melons weighed 500 pounds. From left to right over the top are: Tall milo, Dwarf milo, a plant of the spiderwort family, one Groit cowpea vine, and some sorghum. At the bottom: Summer squash, Fordhook squash, muskmelon, Cashaw squash, corn and potatoes. The collection was made hurriedly and could have been enlarged with several other products.

The spiderwort plant in the center directly over the baby's head is a remarkable one in some respects. It contains almost the same feeding value as red winter wheat bran. The U. S. bureau of chemistry reports the following analysis made from a sample of the threshed fodder:

| | |
|---------------------------|---------------|
| Protein | 14 per cent |
| Ether extract (fat) | 2.18 per cent |
| Carbohydrates | 39.65 |

This plant makes excellent greens and is eaten greedily by all farm animals. It is a perennial but does not attain its maximum production until 3 years old. It will grow on the driest land in Kansas. The vitality of the plant is wonderful. The roots can be transplanted in midsummer and left in perfectly dry earth for a month and when rains come every root will grow.

It requires a week of hot weather to cure the fodder after it is cut and the stalks are not more than 1-16 to 1/8 inch in diameter. It sprawls over the ground badly, but can be cut an inch or two below the surface without injury. The plant shown in the picture is from a 3-year-old root and weighed 7 1/2 pounds

Sorghum For Seed or Silage

Also Other Ways of Handling the Crop

BY A. H. LEIDIGH, Kansas Agricultural College
Written for Farmers Mail and Breeze

IN KANSAS, sorghum should be planted late in May or early in June. Where the crop is wanted for hay it is advisable to plant at least part of it later than this, so that all will not have to be harvested at one time.

For hay the seed may be put in with a wheat drill. In western Kansas 1 to 1½ bushels of seed per acre are required. In the central and eastern parts of the state about 100 pounds of seed per acre will make a fine quality of hay.

In the drier regions row planting and cultivation are much to be preferred to drilling. For planting in this way ¼ to ½ bushel of seed per acre should be sown, depending on soil and moisture conditions. Further eastward seeding should be done at the rate of ½ to 1 bushel in order to produce fine hay in rows.

For grain, seed, silage, sirup, or broom material sorghum should be planted in rows like corn, and cultivated.

For listed sorghums the ground must be warm before planting. Extreme depth in listing should be avoided. For any method of planting, the land should have been well worked between April 1 and June 1 to kill weeds and prepare the soil to go without tillage during the early part of June while the plants are too small for cultivation.

Early Working Helps Growth.
Early cultivation is very necessary. For surface-planted sorghum the harrow should be used at least twice while the plants are too small for other tools. The best cultivation for listed ground is done with the disk weeder. The first work with the shovel cultivator should be deep and thorough, unless the only moisture in the ground is in the top 3 or 4 inches. In this case cultivation should be shallow.

Late cultivation should not be more than 3 inches deep, but can be kept up through the summer without disastrous results, unless the ground is dry below and the plants are living on surface moisture alone.

When the plants are about a foot high the deepest cultivation may be given. It is especially important to tear up the middle of the rows thoroughly before the plants are too large. If planted with a lister, the ridges must be thoroughly broken up to a depth equal to 4 inches below where the surface will be after the land is leveled. However, listed ground should not be leveled until the plants have reached a height of more than 2 or 3 feet.

Fall Plowing an Advantage.
The sorghums are adapted to almost any kind of soil. They produce best on fairly heavy, well drained loams rich in humus, but when grown in Kansas on gumbo, hardpan, sandy, or other poor soils, are more successful than many other crops. They do especially well when planted on prairie, or alfalfa soil. Deep, thorough preparation of the soil is needed. The lower part of the seedbed should be well settled and the surface quite loose. This condition can be best secured by fall plowing or listing. No matter how the crop is to be planted or for what purpose it is being grown early work on the field is very necessary. Early preparation of the soil stores up moisture, prepares plant food, kills weeds, and eliminates insects.

Names of Best Varieties.
In general terms sorghum includes not only those sweet sorts erroneously called "cane" but also the Kafirs, milo, broom-corn, and several others. Those having sweet juice are called saccharine sorghums, while those with juice comparatively lacking in sweetness are called non-saccharine. All the grain sorghums are non-saccharine.
Our best varieties of saccharine sorghums are Black Amber, Orange, and Sumac. Black Amber is an early sort and

because of this fact is especially well adapted to the western part of the state. Orange, a medium late variety, is extensively grown throughout the state. Sumac, a slightly later variety, is becoming very popular in central and south-eastern Kansas.

Among the Kafirs the Blackhull White is the most popular variety. Milo will mature in less time than Kafir. It also stands more dry weather and is as good a yielder. In feeding value Kafir and milo grain are about equal but Kafir makes the better fodder. Experiments show the grain of Kafir or milo is about 90 per cent as good as corn in feeding value. Dwarf Yellow is the only milo we recommend.

Why Sorghums are "Hard on Land."

By many, sorghums are thought to be exhaustive of soil fertility. They are spoken of as "hard on the land." This general idea is wrong. Small grain crops which grow late in the fall or early the next spring are frequently planted after a sorghum crop. This crop often fails but the failure is not due to the exhaustion of the plant food in the soil but to lack of moisture and available plant food. The sorghums are vigorous, rapid growers and make most of their growth after the middle of the summer. Their late growth leaves the field hard and dry. They take no more fertility from the soil than the same amount of corn would although they usually require more moisture.

A "Co-op" Day For Institutes

Kansas farm institutes are to discuss community co-operation at their next monthly meeting, Saturday afternoon, May 17, from 2 to 4 o'clock. An invitation will be extended to members of the Grange, Farmers' Union and other farmer organizations to take part in the discussion and tell, as far as possible, from their own knowledge or observation what has been accomplished through neighborhood co-operation in Kansas, also their opinion of its possibilities in the future. The purpose is to get Kansas communities interested in the local possibilities of this kind of co-operation and at a later meeting to consider one or two phases of it that would be particularly applicable to the home community.

At the May meeting the topics to be discussed will be: community breeding of stock, production of purebred seed, the construction of silos, community buying of machinery, owning of machinery, community buying of fuel and feed, marketing of eggs, picking and marketing of fruit, marketing of grain, marketing of potatoes and marketing of cream.

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



This car will add a new interest to farm life

The Hupmobile seems as though it were built to order for men like you who study their farm journals and are constantly seeking better methods and better materials to work with.

You demand a car that will carry you surely and economically.

Five reliability tours in all we entered last year, ranging in territory from the "Farmers Tour" in Texas to the "Winnipeg Glidden" in the Northwest, and in every one the Hupmobile made a perfect score. Last winter we competed victoriously with the best of foreign cars over the ice-bound hills of Sweden.

The Hupmobile is priced as low as its high class will allow. Free from all superfluous weight, it costs less in gasoline and oil and is more saving on tires than other cars of equal power.

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you will readily understand why the Hupmobile long-stroke motor gives a surplus of power. You will appreciate why the construction of the full-floating rear axle eases strain and wear and riding qualities. You will note that the extra size multiple disc clutch makes gear shifting easy.

The advantages of oil-tight, dust-proof parts completely enclosed will appeal to you.

Style and quality you ask for too; and again, we are glad to put the Hupmobile up to your judgment for your experience with machinery and materials make you a far better judge of these details than the average business man.

The Hupmobile will not only serve your business needs, but will drive monotony out of your lives and give you and your family the recreation that you need for a better day's work.

It will serve you faithfully at high efficiency for many seasons. The Hupmobile will endure long after it has paid you over and over again on your investment.

May we not put you on our mailing list for complete information about the Hupmobile? A post card will bring you a catalogue.

Hupmobile "32" Touring Car (illustrated), fully equipped, \$1000
F. O. B. Detroit, including equipment of windshield, mohair top with envelope, jiffy curtains, speedometer, quick detachable rims, rear shock absorber, gas headlights, Prest-o-Lite tank, oil lamps, tools and horn. Three speeds forward and reverse, sliding gears. Four cylinder motor, 3¼-inch bore and 5½-inch stroke; wheelbase, 106 inches; 32 x 3¼-inch tires. Standard color, black. Trimmings, black and nickel.
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Compare Companies: We save on rates BECAUSE we save on expense
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Expense \$55,818 Loss \$194,968 WASECA Co.

| Figures given are taken from sworn statements of Companies for the season of 1912 | Losses Paid in 1912 | Expenses Paid, 1912 | Percentage expense to losses paid |
|---|---------------------|---------------------|-----------------------------------|
| Union Mutual Hail, Wichita, Kansas..... | \$ 15,762 | \$ 24,266 | \$ 1.54 |
| Central National Mutual, Topeka, Kansas..... | 5,644 | 14,135 | 2.50 |
| Kansas Mutual Hail, Sterling, Kansas..... | 2,432 | 7,376 | 2.98 |
| Home Mutual Hail, Wichita, Kansas..... | 2,790 | 6,192 | 2.21 |
| Grain Growers Hail, Topeka, Kansas..... | 5,000 | 9,000 | 1.80 |
| Harvesters Mutual Hail, Osage City, Kansas..... | 2,130 | 5,747 | 2.69 |
| State Farmers Mutual Hail, Waseca, Minn..... | 194,967 | 55,818 | .29 |

Jan. 1, 1913, all six Kansas Cos. had but \$22,000 in cash assets combined. Jan. 1, 1913, the Waseca Co. had \$165,521 in cash assets and \$351,234 in additional assets, our total net assets being **\$516,755**. 1-4 cheaper, yet incomparably Better and Safer Insurance.

The Waseca Company is the oldest and strongest hail company in the United States. In eighteen years it has never pro-rated a loss. We have paid over \$60,000 in losses to Kansas Farmers (send for list) and will pay \$1,000 for proof that a single loss was not paid in full as adjusted. In disastrous years we pay while others pro-rate.

SPECIAL NOTICE.—Losses this year will be paid in cash in full at time of adjustment immediately following the storm the same as by Stock Companies. Our rates are the cash rates of the Stock Companies in your county less one-fourth or 25 per cent. **Insure today before your neighbor secures the preference, as we write but \$1600 in a section. Cut out and mail application at once.**

This Company is absolutely dependable.—Farmers Nat'l Bank, Waseca, Minn.

Your Premium will be returned at once if Policy is not satisfactory

Application for Hail Insurance

State Farmers Mutual Hail Ins. Co., Waseca, Minn.

I hereby apply for membership and indemnity in accordance with the by-laws and rules of the Company against loss or damage of the following described crops by hail, commencing with issuance of policy and ending September 15, 1913.

\$.....on.....acres of wheat on S.....T.....R.....

\$.....on.....acres of on S.....T.....R.....

\$.....Total Ins. all situated in.....Co., Kansas, and diagrammed as follows:

Sec..... Sec.....
 Twp..... Twp.....
 Rge..... Rge.....

I enclose herewith \$.....in full payment of premium, being three-fourths of the rate charged by capital stock Ins. Cos. in this county.

It is understood that upon receipt of the policy if it is not satisfactory to me in every respect that I may at once return same to the Company by registered mail in which case this premium remittance will be returned to me in full.

Name..... P.O..... Kans.
Use penell and mail TODAY to State Farmers Mutual Hail Ins. Co., Waseca, Minnesota

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BEAVER BOARD has every quality you can demand—adds strength, beauty and service and costs no more than lath and plaster.

Write for particulars and full descriptive literature regarding Beaver Board.

We can make a very attractive proposition to dealers anywhere in Kansas.

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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.

This is written April 19. From present indications there will not be good prairie pasture for several days yet. Here it is always safest to provide feed for stock until May 1.

We have turned stock out on prairie pasture as early as April 8 and the cattle got a good living from it from that time on without any other feed. But it is never safe to do this much before May 1 if you wish to have your stock get at the start what is called a "full bite."

Ideas differ among farmers as to whether it is best to wait until stock can get a full bite before turning the animals out to grass, or to let them run on the pasture from the time the first spear of grass appears. But if there is room for argument as to which is better for stock, there can be none as to which is better for the pasture. Grass should not be cropped into the ground from the start.

We have made less progress with our work this week than usual because we have been getting three colts used to the plow. The weather was warm most of the time and it was necessary to go slow. While the colts went nicely and made no trouble at all we dislike to work them because so little is done and that at a time when it seems the work should be pushed.

Half a day on the plow, even if the work was not hurried made the colts very tired. They were allowed a day's rest and then were hitched to the stalk cutter. Here the work was lighter but even the half a day made them willing to stand. We prefer to break colts to work to such tools instead of a wagon.

When we first got the cutter it was fastened to the wagon gear by means of a reach. The continual jolting wore out the end of the reach and the cutter dropped behind. We had a rope and chain with us and used the rope to swing up the end of the reach and the chain to pull it. We soon found that swinging up the reach instead of fastening it solidly to the wagon gear was a great improvement. It took off every bit of the vibration and made it ride much easier. We have seen a good many stalk cutters rigged up as this one is so give our experience hoping it may help some man to make his cutter ride easier.

With small stalks a stalk cutter is not needed. A disk harrow will cut them up very well and also will put the ground in fine condition to plow. Two diskings will cut up most of the stalks and at the same time leave a fine condition of the soil both for plowing and listing and it can be done almost as quickly as the stalks can be cut with the ordinary cutter. But on bottom land, such as the field we were working, it is almost necessary to cut the stalks with the usual type of cutter or meet with much trouble at cultivating time. On higher ground where we intend to list, we shall cut the stalks with the disk harrow.

The proposed increase of 25 cents per ton in rates charged by hay commission men in Kansas City was not received enthusiastically down here in the prairie hay belt. In the first place hay men think 50 cents per ton is plenty for the service rendered and we agree with them. The facts seem to be the hay commission business has been quite profitable and the number of the commission men has greatly increased. Now there is not business enough to furnish profit for all, they are sounding hay shippers to see what the effect would be of a 50 per cent increase of commission charges. We think they have found out by this time. When the price of hay is at the lowest level for several years, is a poor time to spring a proposition like this.

To one of the best informed men in this locality, also a very successful school teach-

er but a short time ago, we put this question recently: "Do you consider that our country schools are as good as they were 15 or 20 years ago?" His answer was, that they were not as good, even with better school houses and with wages to teachers increased by nearly 100 per cent. We agree with him and think most of our readers will. Now, who is to blame for this condition? Is it the patrons, is it the teachers, or is it a little of both? In the next paragraph we express our opinion of the cause and you can agree with us or not, just as you like.

We think the one great reason our country schools do not improve, but rather deteriorate, is because the larger pupils no longer attend. As soon as they get old enough to "graduate" which is about at the age of 15 years, they are taken from the country school and placed in the town high school. This may not be bad for the graduates, likely it is not, but it is bad for the younger ones who are left behind. It was our experience when in school that we learned almost as much from hearing the more advanced pupils recite as we did from studying in our own classes. When the time came for the younger pupil to go into a higher class he was already more than half familiar with the work to be done. We think the quality of the work of the average country school would improve greatly if the older pupils remained as they did in former years.

When we moved to this farm, more than 17 years ago, we brought with us six horses. Of these we still have on hand one team whose age is now 24 years. A horse buyer was in the other day, saw them standing in their stalls and wanted to buy them. We told him that they were too old to sell. He said no horse was too old for him to buy. We added they were not for sale and that should we sell them we could not sleep nights for thinking of what we had done. It is one thing to sell a young, vigorous horse that can take care of himself and who, by reason of his great value, would be sure to be well treated. But to sell an old horse, who has faithfully served you for more than 20 years and who would only leave your hands to spend his few remaining days in misery, is another thing.

Some say it is a mistake to keep a horse more than a few years, that when he is beginning to get near his prime he should be sold and his place taken by a younger horse. If we had a horse that did not suit us we should sell him, but when we get one that we like and with whom we are familiar we prefer to keep him. We know his ways and he knows ours and we take pleasure in working him. Should he be sold we might be better off financially and we might not, but there are strong chances that we would not be so well suited as with the horse we had worked with so long. Satisfaction and comfort are worth a good deal to a man, whether in horses or the shoes he wears on his feet.

Egg storing is now at its height in Kansas City, the storer's having to pay something like 18 cents per dozen. The old days of cheap eggs in the spring seem to be over. It is not so very long ago that April and May eggs brought only 7 and 8 cents per dozen. That they now bring from 15 to 17 cents in the country markets is due to the cold storage plants more than anything else. It is common to find fault with the "coolers," but were it not for them the poultry business would be where it was years ago. It is true, they make large profits in certain years but in other years—last year, for instance—they lose much money. For the last case of eggs we took to Gridley we got 17 cents per dozen and we are not going to find fault with a system of marketing and storing which brings such prices.

Future For Shortgrass Melons

Only a Marketing Organization Needed

BY H. WILLIS SMITH, Garden City, Kan.
[Written for Farmers Mail and Breeze.]

Editor's Note.—Access to market is practically the only obstacle that stands in the way of making western Kansas one of the richest melon producing sections in the country. In urging co-operation, Mr. Smith points the way to overcome the marketing problem. His article formed the basis of a talk recently, at a farmers' institute in the Drussel school house in south Finney county.

WITH all our advantages for growing them we could soon make a reputation for our Finney county watermelons as enviable as that of Rocky Ford for cantaloupes, if we would organize a melon growers' association and work together—co-operate.

Our clear sky, hot sun, and warm, moist sand combine to produce the sweetest melons grown anywhere. We have grown melons that tested 7½ to 8 per cent sugar, while 5 to 6 per cent is considered a good average.

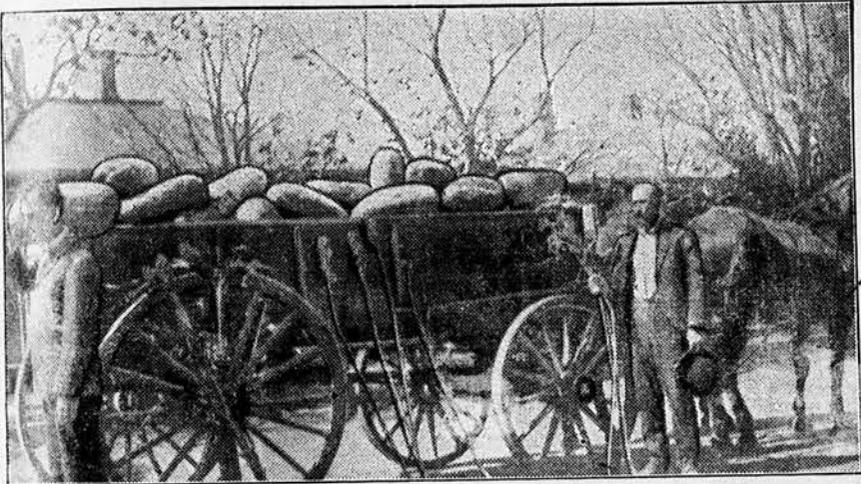
Also there is no other crop that will

of moisture in the soil by planting time. A good time to plant is immediately after a good rain the latter part of May or first of June.

By these methods I have grown as high as 10 tons of melons per acre on land that had been worked for several seasons. In 1911 we had 5 inches of rain during the growing season and yet I grew some of the best melons on old ground, ever marketed in Garden City. Whole loads of Kleckleys averaged 34 pounds per melon.

Road Drainage All-Important

Mr. Editor—To build a dirt road, all work should be done under the direction of an engineer. If the road is flat or lower in the center than on the sides, draw a straight line in the center of the road and back furrow until you get the width you want your road. Then use such tools as are best



A load of Finney county melons grown in 1911 on 5 inches of rainfall. The melons on this load averaged 34 pounds each. The hills were 12 by 16 feet apart and the ground was kept clean throughout the season. Mr. Smith stands at the rear of the wagon.

withstand grasshoppers, hot sun, winds, and shifting sand like watermelons.

Furthermore, conditions here are very good for the wintering of the ladybird which keeps the sucking aphids or lice in subjection.

If we would show we meant business, the railroads would make rates, and we could compete easily in the markets with the growers of inferior melons further east and south.

A Good Crop for a "Blowing" Soil.

Most of us realize the kind of proposition we are up against in handling these sands in such a manner as to make our efforts bring a satisfactory income. We all know that if we continue to plow and list this land after the sod is thoroughly rotted, it will be next to impossible to keep the soil from shifting and destroying our crops.

In the growing of watermelons we have a solution for this problem. When planted the first season on new land, melons will grow successfully with little or no care. The second season we can plow again, completely subdue the wild plants, and grow melons by cultivation. After that our troubles begin. If plowed or listed, the ground becomes so loose that we can't manage it. But here is where the melon crop comes in—just right. We can cut the old vines and trash with a disk without stirring the ground enough to loosen it. When the weeds start we can put wide sweeps on the cultivator and run them an inch below the surface, killing all the weeds but still keeping all the trash on top.

Old Vines Hold the Sand.

The trash and loosened surface furnish an excellent mulch to preserve the moisture in the subsoil and the surface will not crust after rain. The old vines keep the sand from drifting to any appreciable extent. The earth beneath is solid but not too hard to make a good rootbed. To apply the manure along the lines where we intend to have the rows will also help keep the soil from blowing, besides enriching it.

If the weeds are kept down through the spring there will be an abundance

suited to place the dirt from the sides into the center. The road should be from 16 to 25 feet from shoulder to shoulder of ditches, the grade should have a continuous slope from center of road to bottom of ditch. Perfect drainage must be maintained. A narrow road is best under most conditions. It costs less to build it, it can be maintained cheaper and the travel is kept in the center of the road thereby lessening the wear on the grade.

The law giving the county commissioners power to designate certain roads as county roads is a good one. It is a step in the right direction, it means good roads across the state in a few years. In a few years we shall be able to go to Kansas City and return the same day over the dirt roads or over the electric line at one-half cost instead of taking 24 hours and costing \$6 or \$7. Farm land instead of being worth \$20 to \$100 an acre will be worth three times as much because we are brought closer to a good market by better facilities.

Fredonia, Kan. S. M. Smith.

Four Big Papers For \$1.10

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

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

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

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

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

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

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Think of the money you could have saved if your buildings had been covered with a roofing that never had to be coated, graveled or repaired! You'll never have to spend a cent for coating or repairs if you use



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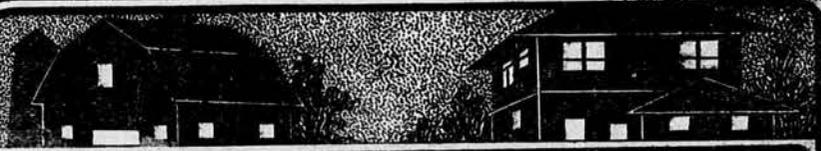
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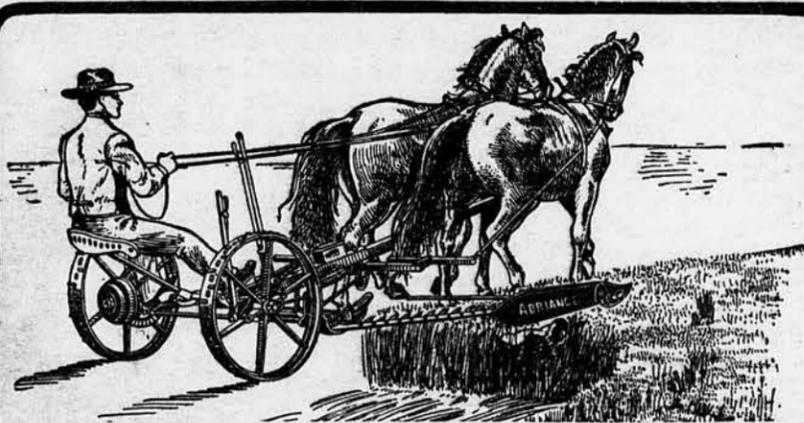
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"I've Used My Adriaance Mower for Over 40 Years—It's in Excellent Condition Today"

Hundreds of farmers who bought Adriaance Mowers forty to fifty years ago are still using the same machines, with excellent results.

Could you find any more convincing evidence of superior construction? From the ground up, every piece of material entering into the construction of the Adriaance is most carefully selected and is the best that money and skill can produce.

It is very simple in construction. The main frame is a single piece—wonderfully strong and rigid, insuring perfect alignment of shafts and mesh of gears. It is the easiest to handle. The levers are handy and easily operated from a comfortable position in seat. One easy forward acting foot lever in front of the driver does the work with natural movement of the leg.

It is the lightest draft Mower on the market. The patented Adriaance Spring Draft Device lightens the draft and completely overcomes shock or any danger to the driver, team or mower should any obstruction be struck.

Built for one or two horses—3 1/2 to 6-ft. cut.

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MOLINE PLOW CO.

MOLINE, ILLINOIS

Manufacturers and Distributors

OR NEAREST BRANCH HOUSE



CAPPER BOYS CORN CLUB



Founded 1907

by Arthur Capper

Now that much corn has been planted the next thing will be the cultivating. I suppose every boy in the club has his own idea how corn ought to be worked. The main thing is to begin early, no matter what kind of tool you are going to use. The easiest way to get rid of weeds is to kill them before they are up. Don't let the ground become hard and dry. This not only injures the crop but when you do work the ground it will break up into lumps and you will have hard work getting it into shape again.

One of the best corn growers in Kansas gives a list of the things he thinks most important in getting a crop of corn, and how much each one counts. Here it is:

| | |
|---|--------------|
| Purebred seed | 30 per cent |
| Planting at proper time | 20 per cent |
| Soil well pulverized, fall plowed or rotated with other crops | 30 per cent |
| Thorough cultivation | 30 per cent |
| Total | 100 per cent |

Who Wants a Jack Knife?

How many members of the club have kodaks? If you do not have one of

shall be luckier in this one. Do you think the tomatoes will do better near the creek where it is damp? Tomatoes can't stand wet feet. Better not plant them on any ground that isn't well drained and can't be kept loose.

Cecile Collins, of Delphos, wants to make enough money this summer to buy a pony. She is depending on her tomato crop to help pay for it. The fine thing about the tomato contest is you just can't lose anything by it. Those who don't win a prize will have what they make on their crop, or the satisfaction of furnishing the family with fresh tomatoes for two or three months this summer and canned ones through the winter.

Capper Boys' Swine Club

Here is a hopeful message from Chester Nash of Eskridge: "I understand President Wilson says 13 is a lucky number. That is just my age, so I will try my luck on a little, runty Berk-



Two Capper Club members out for a joy ride behind a "safe driver."

your own perhaps you can borrow one. We want to get some good pictures of corn club boys at work on their corn ground, or of a swine club boy with his pig, or a tomato club girl and her tomato patch. No objection, either, to having a photograph of any club member taken with a fine team of horses, or any other livestock he may be proud of, or with a new cultivator. Get as clear and distinct a picture as you can, or the Mail and Breeze cannot print from it. For the first good photograph from a boy, a good pocket knife; from a girl, a collection of postcards. Mail the photograph to club editor, the Mail and Breeze.

shire in your pig contest. Of course, I want to win but if I don't I shall have the fun of watching that little Berkshire grow." Chester's philosophy is of the right sort. He will be repaid for all his trouble several times over even if he doesn't win one of the six prizes. "Nothing venture nothing have." If there is a purebred pig on your place, farrowed since March 1, better sign up and get in line for a prize.

SWINE CONTEST RULES.

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

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

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

Capper Girls' Tomato Club

"I think this is the fairest contest I ever read of," writes Ruby Hugenot of Westphalia. "I have been in other contests but never did win. Maybe I

This Blank Enters You in the Contest

ARTHUR CAPPER, 800 JACKSON STREET, TOPEKA, KAN.

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

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

My name is.....

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

State

My age is.....

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

Kansas Wheat Prospect Good

Per Cent of Failure Will Be Small

KANSAS' winter wheat crop is showing a higher spring condition this year than in any year since 1908. The general average for the state, reported by the correspondents of the Kansas state board of agriculture is 89.58. This is 10½ points below a satisfactory growing condition and 8.38 points higher than at this time last year. It is estimated that only 5 per cent of the area sown to wheat last fall in Kansas will be a failure. Good west, considerable losses were sustained, from dry weather and high winds. Grasshoppers last fall were enough of a factor in this to warrant mention in a half-dozen counties. The larger percentage of losses, with a few exceptions are in counties comparatively unimportant as producers of wheat. Grant and Stanton, for example, each with a 40 per cent failure had together less than 2,000 acres. Reno county, the banner wheat produc-



| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----|---------|----|----------|----|----------|----|----------|-----|----------|----|----------|----|----------|----|-------------|-----|-----------|-----|----------|----|------------|-----|----------|-----|-----------|----|
| CHEYENNE | 96 | RAWLINS | 91 | DECATUR | 88 | NORTHMAN | 88 | PHILLIPS | 98 | SMITH | 95 | JEWELL | 98 | REPUBLIC | 95 | WASHINGTON | 97 | MARSHALL | 100 | NEVADA | 99 | BROWN | 98 | OSAGE | 97 | | |
| SHERMAN | 91 | THOMAS | 79 | SHERIDAN | 78 | GRAHAM | 87 | ROOKS | 103 | OSBORNE | 94 | MITCHELL | 91 | CLOUD | 96 | CLAY | 103 | POTTER | 96 | JACKSON | 91 | ROSS | 96 | WAGONER | 97 | | |
| WALLACE | 90 | LOGAN | 77 | COVE | 70 | TREGO | 74 | ELLIS | 87 | RUSSELL | 87 | LINCOLN | 93 | SALINE | 94 | WORTHINGTON | 92 | DEARBORN | 93 | OSAGE | 98 | FRANKLIN | 98 | MIAMI | 91 | | |
| GRIELEY | 50 | WICHITA | 50 | SCOTT | 55 | LANE | 55 | NESS | 68 | RUSH | 82 | BARTON | 86 | RICE | 90 | HARRISON | 92 | MARION | 95 | CHASSE | 90 | COFFEY | 100 | LEWIS | 96 | | |
| HAMILTON | 50 | KEARNEY | 50 | FINNEY | 73 | HODGEMAN | 75 | PAWNEE | 85 | STAFFORD | 83 | RENO | 94 | HARVEY | 96 | BUTLER | 92 | GREENWOOD | 92 | Woods | 95 | ALLEN | 92 | HOURSON | 98 | | |
| STANTON | 50 | GRANT | 60 | MASKELL | 70 | GRAY | 71 | FORD | 75 | KIOWA | 80 | PRATT | 96 | KINGMAN | 91 | SEGIWICK | 96 | ELK | 90 | WILLSON | 98 | NEEDHAM | 95 | CHANDLER | 100 | | |
| MORTON | 70 | STEVENS | 67 | SEWARD | 58 | MEADE | 58 | CLARK | 55 | COMANCHE | 86 | BARBER | 95 | HARPER | 91 | SUMNER | 95 | COWLEY | 93 | COMSTOCK | 96 | MONTGOMERY | 94 | LABETTE | 92 | CHICKASAW | 99 |

Condition of Kansas wheat crop by counties, 100 representing a satisfactory stand and growth. The general average for the state is 89.58 per cent, the highest for any mid-April since 1908, and 8.38 points higher than a year ago

what is reported on 7,255,080 acres, of 1,190,000 acres in excess of last year's crop.

These figures may be reduced somewhat by the assessors' returns, but it is within the possibilities for the state to harvest a record crop.

Oats are still being sown and indications point to greater plantings of corn and Kafir than last year.

In the eastern half of the state there was comparatively little damage to wheat from any cause, but in the western counties, notably those of the south-

er in 1913, has a condition of 94 per cent on practically the whole of last fall's sowing, which aggregated 253,532 acres, or more than any other county, save one. Barton led in acreage sown, with 274,581 acres, and its loss may amount to 4 per cent.

Rooks and Clay counties, in northern Kansas, are highest with a crop condition of 103 for each.

The reports were made just before the recent rains which covered virtually all parts of the state.

Tool Sets For Schools, \$130

Manual Outfits Need Not Cost Much

BY GEORGE E. BRAY, Extension Service, K. S. A. C.
Written for Farmers Mail and Breeze.

UNFORTUNATELY the impression exists that it is impossible to do any form of industrial training unless a large amount is spent for tools and equipment. Some school boards hesitate to adopt the course on this account.

Many forms of elementary manual training can be introduced in the primary and intermediate grades at little expense. In the upper grades and in the first years of high school work, it is generally conceded that manual training, consisting of bench woodworking, is best adapted to the needs of the boys of this age. Of course an equipment is needed, but where no large amount of money is available, the work can be introduced for much less than is generally supposed.

A room should be set apart for manual training. This might be difficult in overcrowded schools, but if it is not possible to provide a separate room, very satisfactory work has been accomplished in some smaller schools by providing a simple equipment in a room used part of the time for other purposes. Here is a list of tools actually required, sufficient to make a large number of progressive, practical, educational articles and projects:

- 1 iron jack plane, No. 5.....\$1.80
- 1 2-foot one fold boxwood rule......15
- 1 10-inch back saw......90
- 1 marking gauge......25
- 1 try square......25
- 1 1/4-inch firmer chisel......30
- 1 3/8-inch firmer chisel......40
- 1 iron spoke shave......15
- 1 bench brush......25
- 1 screw driver......25

Total\$4.70
For a class of 15 pupils, the cost of individual equipments would amount to \$70.50. In addition to the individual equipments, the following general tools are necessary for the class:

- 3 crosscut saws, 10 points, 24-inch..\$ 3.75
- 3 rip saws, 8 points, 24-inch..... 3.75
- 1 set auger bits, 3-16-inch-1-inch inclusive..... 3.00
- 1 ratchet bit brace, 8-inch sweep..... 1.00

- 2 common bit braces, 8-inch sweep... 1.60
- 2 14-inch turning saws..... 1.80
- 2 6-inch T bevels......50
- 3 nail sets......30
- 3 10-ounce adz eye claw hammers... 1.50
- 1 framing square..... 1.25
- 3 cabinet scrapers......30
- 8 10-inch hand screws..... 3.60
- 2 pair 6-inch wing dividers......50
- 3 counter sinks......60
- 6 gimlet bits......60
- 2 mounted oil stones..... 1.50
- 2 steel oilers......20
- 1 fine quality mounted grindstone... 9.00

Total\$34.45
Combining the cost of individual equipment and general tools, about \$105 will buy tools for classes of 15 pupils.

Benches can frequently be made by the larger and more mature students with the help of the instructor. The material for benches, if made of hard pine should not cost more than \$1.75 per bench, including the homemade wedge vise, which would make the cost of benches for classes of 15, \$26.25. Adding this to the cost of tools, the total, \$131.25, would provide an equipment sufficient for 90 boys, assuming three classes per day, four days per week, permitting each boy to work two hours twice a week. The supplies should not cost the school board more than from 25 to 50 cents per pupil. This would pay for such supplies as sand paper, glue, waste, oil, shellac, stains, varnish and sufficient lumber for beginning the work. Outside of this the pupil should pay for the lumber he uses, and in addition should buy a pencil costing 5 cents, a jackknife for scoring, costing about 25 cents, and a double plane blade costing about 40 cents. In this way the boys would have knives and plane blades for their own use and would take special pride in keeping them in proper condition.

If not feasible to have students make their own benches, these can be made by a carpenter, using iron vise screws, at a cost of not more than \$3 per

The Power of Silent Service

If the crowd on the stock exchange kept quiet and let one man talk, that man could be heard in every corner of the room. But the shouting members produce a composite of sound, so that no one trader is understood except by a small group around a particular trading post.

If everyone were able to shout twice as loud, the result would be only a greater noise, and less intelligible.

For communication to be universal there must be silent transmission. In a noisy stock exchange where the voice, unaided, cannot be understood across the room, there are hundreds of telephones which carry speech half way across the continent.

The telephone converts the spoken words into silent electrical impulses.

In a single Bell telephone cable, a hundred conversations can be carried side by side without interference, and then distributed to as many different cities and towns throughout the land. Each conversation is led through a system of wire pathways to its proper destination, and whispers its message into a waiting ear.

Silent transmission and the interconnecting lines of the Bell System are indispensable for universal telephone service.

Without such service, our cities would be slow of speech and the States would be less closely knit together.

AMERICAN TELEPHONE AND TELEGRAPH COMPANY
AND ASSOCIATED COMPANIES.

Every Bell Telephone is the Center of the System





Buy your wife and daughters these tools

Women folks are never done mending, patching and sewing. Your duty is to see they have good scissors, shears and sewing outfits. Specify Keen Kutter when you buy these articles; then you know you have bought the finest quality.

KEEN KUTTER

Scissors and Shears

Cut clean and snip true. They have sharp edges and tight joints. A patent lock nut and screw positively prevent any looseness or play between the blades. Keen Kutter scissors and shears last many years and they are fully guaranteed, because if you find a flaw, or are not in every way satisfied, your dealer will hand back your money.

"The Recollection of Quality Remains Long After the Price is Forgotten."
Trade Mark Registered. —E. C. SIMMONS.

If not at your dealer's, write us.

SIMMONS HARDWARE CO., Inc.
St. Louis, New York, Philadelphia, Toledo,
Minneapolis, Sioux City, Wichita.

Scissors in genuine folding Mack walrus case. No. K1400. Price \$3.00.

Scissors in case of genuine folding Mackinac. No. K1900. Price \$4.50.



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offset high cost of gasoline

Never before in the history of motoring have motorists received as much mileage from their tires as they are getting today from United States Tires.

The average mileage yielded by these tires has been raised to a point from 25 to 50 per cent above that ever reached by any tire maker previous to the organization of the United States Tire Company.

You men who drive in the country will be actually able to operate your cars for less money this year than you have ever been able to do before—this in spite of the continued rise in the price of gasoline.

You will be forced to pay a 50 per cent increase in the price of your fuel but you can save more than this on your tire mileage.

This is the most important service that has ever been rendered to motorists by any tire maker.

It will mean a saving of from forty to fifty dollars to every United States Tire user.

But, bear this in mind—you can't get this big reduction in tire expense—you can't off-set the high cost of gasoline without using United States Tires.

Cost no more than you are asked to pay for other kinds

UNITED STATES TIRE COMPANY, NEW YORK

United States Pneumatic Tires are guaranteed when filled with air at the recommended pressure and attached to a rim bearing either one or both of the accompanying inspection stamps. When filled with any substitute for air or attached to any other rim than those specified, our guarantee is withdrawn.

ALFALFA SEED

For Spring Sowing. From locality where it grows best and most abundantly. Our seed won the Gold Medal at the St. Louis World's Fair, in competition with the world. All our seed is native grown, plump and vigorous. Write us today for prices and free samples. Address **McBETH & DALLAS, GARDEN CITY, KANSAS.**

Be Sure You Get a Pure Leather Shoe

OVER 90% of all shoes sold for less than \$4.00 contain substitutes for leather in the heels, counters and soles.

Why pay pure leather prices for such shoes when you never know they are adulterated until you wear them and find them unsatisfactory.

There is one way to be sure you are getting an honest leather shoe. Simply ask for "Star Brand" shoes with the star on the heel and the name on the sole.

"Star Brand" is the largest selling line of shoes in the world. Over seven million pairs sold during 1912. Every pair is honestly made of good leather. No substitutes for leather are ever used.

"Star Brand" shoes are made in over 750 styles—in all the different leathers—for men, women and children. A shoe to meet every demand, both as to style and grade.

Don't pay leather prices for paper shoes. Always ask for and insist upon having "Star Brand" shoes. Nearly 20,000 good merchants sell them. Don't just go into ANY store, but hunt up the "Star Brand" dealer or write to us for the name of the nearest merchant who sells them.

"Star Brand Shoes Are Better"

ROBERTS, JOHNSON & RAND

MANUFACTURERS Branch of International Shoe Co. ST. LOUIS



ORCHARD & GARDEN

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

The disk is a better tool for use in the orchard than the plow.

To have garden "sass" all summer calls for continuous planting.

Plowing in the garden when fields are too wet to work is bad for the garden.

To get any kind of garden seed to sprout quickly, try soaking in water for 24 hours.

Letting weeds get started now is one way of laying up trouble for all summer long.

Cantaloupes will do best on a light, rich soil—sandy if possible. The time to plant seed in this latitude is right now.

Cowpeas make a good crop to plant in the orchard for early hay—just a wide strip between rows. They are good for the soil, too.

Sow grass seed for the lawn while the surface is damp. If done late in the spring it is a good plan to cover with a light mulch of straw or strawy manure.

Cauliflower is a crop that will not stand much abuse. Plants should not be set out until warm weather is assured, and will need watering during dry, hot spells. "Dry weather" is a good variety to plant.

Take Care of Spraying Machinery.
Mr. Editor—Much of the trouble with power sprayers could be prevented if they were drained and cared for properly after use. Always after a lime and sulphur or other caustic spray is used, the machine should be thoroughly cleaned by running clear water through it, including hose, rod and nozzles. The caustic sprays will not only injure different parts of the machine, but small pieces will clog nozzles when again used.
George P. Weldon.
Colorado Agricultural college, Ft. Collins.

Irrigating With "Gyp" Water.
Last summer, through the dry season, I irrigated my garden with "gyp" water. This spring I find a white sediment all through the garden where I did the irrigating. What effect will this sediment have on the soil for a period of time?—F. P., Custer county, Oklahoma.

It would not be advisable to continue the use of "gyp" water for irrigating your garden. Gypsum is sometimes known as "land plaster" and the continued use of this "gyp" water would have a tendency to cause the soil to run together, bake and become hard. This would be especially true where your soil was naturally a heavy clay. The sediment is a deposit of this sulphate of lime that is left on the surface of the ground after the water has evaporated. Just as soon as other water is applied, this sediment will go into solution and disappear, but will reappear again after the water is evaporated.

H. B. Walker.
Drainage and Irrigation Engineer, Kansas Agricultural college.

How a Nebraskan Grows Melons.
[Prize Letter.]

Mr. Editor—When it comes time to plant watermelons I fill some old barrels about half full of stable manure, then fill them to the top with water. I let this soak a few days. When the ground is ready I make the hills 8 to 10 feet apart and plant about 10 seeds to the hill. A tin can with holes in the bottom is buried at each hill level with the top of the ground and the liquid manure from the barrels is poured into these cans. Later the hills are thinned to two or three of the best plants. The cans may be left in the patch all summer and used for irrigating during dry weather. I have raised fine melons this way when the hot winds killed all the other

melon fields. The ground will not bake when the watering is done in this manner and will not fire with the liquid manure as would be the case with dry manure plowed under. Cucumbers, muskmelons, pumpkins, etc., may be grown in the same way. It is a good plan to soak the seeds in warm water about 12 hours before planting.
Cook, Neb. Earl Bond.

Treatment for "Barked" Trees.
Mr. Editor—Even with the most careful handling trees will occasionally have the bark knocked off. The first impulse of the average tree cultivator is to grab a handful of earth and plaster over the wound. Careful investigation has shown that this is probably the worst treatment that could be adopted. The contact of sun and air will usually aid the tree to form new bark. The only treatment that should ever be given is to cut away any loose bark.
N. O. Booth.
Oklahoma Agricultural college.

Protecting Tomatoes From Frost.
[Prize Letter.]

Mr. Editor—Every spring millions of tomato plants are lost by frost after they are set out. Tomato plants always are more sturdy if transplanted once or twice before the final setting. If you use only a few dozen early grown plants, set them in a well prepared and sheltered bed, about 3 or 4 inches apart each way. A hundred will go in a bed about the size of the top of a common table. Here you can water and cultivate them, and if frost threatens they can be protected. After the weather has settled you can take each plant up, with a ball of earth, set it in the garden in newly prepared earth and get satisfactory returns. If you should put out a large tract and there comes a night which promises frost, cover each plant with dry earth. A piece of paper may first be put over the plant. This is not vital but it helps later in uncovering the plants. One dilapidated tomato plant is worth more than a whole field of frozen ones. Do not leave any buried more than 48 hours.

William H. Barnes.
R. 2, Independence, Kan.

Irrigating a Garden Patch.
[Prize Letter.]

Mr. Editor—I irrigate my garden with a windmill, pumping the water direct to the ditches. I plant two rows together and run a ditch on each side of each pair of rows. The mill runs day and night. I have a 2-inch pump and a 4-inch cylinder, 16 inches long. It takes about a week to get over the whole garden. The water is turned into a new ditch each morning, noon, and evening. When dry enough the surface soil is loosened to keep it from baking. When we get the whole garden watered we go over it again, keeping this up all summer.

I grow all the early vegetables, also tomatoes, cabbage, onions, sweet and Irish potatoes, melons of all kinds, cucumbers, turnips, etc. The first year, I sold enough cucumbers to pay for the windmill. Last year we put up 500 cans of vegetables and fruit. Our garden covers 1 acre of ground. Twelve years ago I planted an acre in apples, peaches, plums, cherries, and black walnuts. Last winter we had 30 bushels of winter apples stored up from two of these 12-year-old trees. The walnut trees also are bearing.

I live in Hodgeman county within 2 miles of the 100th meridian but whether in eastern or western Kansas, every farm should have a garden fenced off chicken tight and fixed for irrigating. Plant a family orchard whether you are in the fruit belt or not. Then instead of going to the grocery store for everything to eat, go to your own cellar or garden.
Jetmore, Kan. C. E. Broughton.

From One Who's Been Shown.

Mr. Editor—I could not get along very well without the Mail and Breeze to liven me up once a week. And then I think that it's just the best farm paper I have ever read and I am a Missourian and so you see I have been shown. I love to read happy Tom's fine reasoning of some of the leading questions. I say hurrah for Mail and Breeze.

P. N. Solomon.
R. 3, Robinson, Kan.

FARM POWER

CONDUCTED FOR FARMERS MAIL AND BREEZE BY E. B. CHALK.

Questions answered about gasoline engines, automobiles, and engine troubles. Give full information about trouble symptoms, kind, type, and make of engines. An answer by mail if self-addressed stamped envelope is enclosed.

I have seen people start adjusting the gasoline supply every time the engine did not run right and as a consequence the engine seldom was running right.

While it is all right to monkey with the monkey wrench, don't monkey with the engine when it is running right, and it is usually best to know what is wrong before tearing "her" to pieces.

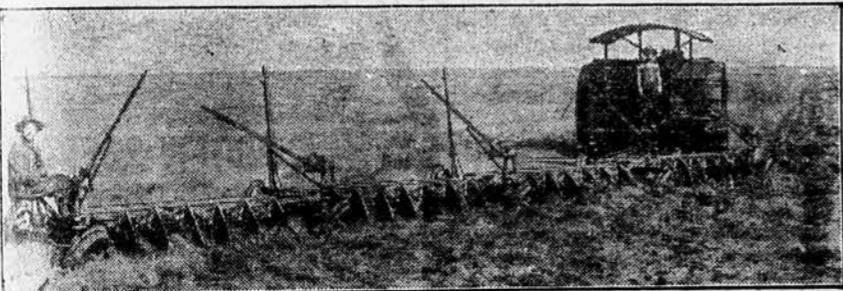
Every time the engine misses fire some people think the carbureter is to blame. The carbureter can only be blamed for about one-tenth of the troubles we have with engines.

The first step in looking for trouble with a battery ignition should be to see that the battery connections are all tight and if you fail to find the trouble there see that the connections to the coil and spark plugs are in good shape.

To Adjust Vibrators Properly.

One of the persistent trouble makers, especially on a multiple cylindered engine, is the vibrating coil. If the platinum points are not kept smooth and

clean. One inventive shop man took a chain dish rag, or pot scraper as they are called, and cut it into strips so that he had a chain that would slip in the spark plug holes. The plugs were then screwed back into place and the motor started. In about 10 minutes the motor was stopped and was then taken apart to see how it looked on the inside. The cylinder in which the chain was placed was found to be free from carbon and in good condition, while the others had the usual amount of carbon. The only damage the chain can do is to break the spark plug porcelain and for this reason an old plug should be used. Only some soft metal chain should be utilized for this and 10 minutes for each cylinder is long enough to clean out all of the carbon. The carbon is loosened from the wall of the firing chamber by the chain and all of the loose carbon is blown out through the exhaust. After the chain is used a half teaspoon of kerosene should be poured into each cylinder and the motor turned over a few times with the switch off and then allowed to stand over night, this will loosen the piston rings in their grooves and make them nearer gas tight. After standing over night most of the kerosene will have leaked past the piston into the crank case, taking the oil from the piston with it, and for this reason a small amount of oil should be poured into the cylinder before starting to prevent the engine running dry until more oil is supplied by the ignition system. A pint of kerosene poured in the air valve of the carbureter while the engine is hot and running will do much to prevent carbon from accumulating and if the engine is given the kerosene treatment every



Tractor pulling 28 disks near Plains, Meade county, Kansas.

bright the vibrator blade will stick and no spark will be the consequence. In adjusting the vibrators they should not have too high a pitch or the points will not last as long as they should and the coil will be using too much current to operate itself. If the pitch of the vibrators is too low the spark will not be hot enough. The proper pitch for the vibrators is a difficult thing to describe, but it should sound as near like the hum of a bumblebee as possible. In tuning up the vibrators of an engine, with two or more cylinders, all of the vibrators should be made to sound as nearly alike as possible, as the higher the pitch of the vibrators the quicker the spark will occur in that cylinder, and perfect timing is essential to engine efficiency.

Engine Better Than Tank Heater.

For some time the Agricultural college has been teaching that ice water is not good for stock. It has been the accepted practice to buy a tank heater to keep the water from freezing. Why not buy an engine and have the water fresh and warm when you need it? Where the water is pumped from the underflow or from any underground source it will be about the right temperature without heating and the man with the engine is assured of having water when he wants it. The cost of the fuel for the engine will be less than the tank heater and besides having water when you want it you will have the engine to do many other odd jobs around the farm 12 months out of the year, while the tank heater can only be used to keep the water warm and you will have no further use for it the rest of the year. The first cost of the engine will be little more than the cost of the heater and an engine is a good investment at any time of year.

A Way to Clean Cylinders.

No matter what kind of oil is used in the engine carbon is bound to accumulate in the cylinder. If the carbon is not removed the engine will run hot, pound on account of pre-ignition or show loss of power. The usual procedure is to take the engine all apart and scrape the cylinder walls and piston until they are

week or two very little carbon will accumulate unless oil is supplied in excess of what is needed.

How Much Oil for a Buick?

I have bought an old Model "10" Buick that has been run two years and would like to know how much oil to put in the crank case to start with and how to tell when it is necessary to put in more oil? (2) How is the oil kept at the necessary level as the engine is oiled by the constant oil level splash system? (3) The engine is equipped with an oil pump; what is its purpose?—C. S. P., Liberal, Kan.

The 1908 and 1909 models had a precision oiler run by an eccentric on the pump gear that circulates the water and had oil pipes to carry the oil to the different bearings and the crank case. In the bottom of the crank case there was a cock with a pipe attached, and oil was poured in through the breather tubes until the level was high enough to run out at the cock, the pump was supposed to keep the oil at this level and more oil was added when a test showed that the oil would not run out at the cock.

In the 1910-'11-'12 model the crank case was divided into two compartments, upper and lower, a pump circulated the oil by drawing it from the lower compartment and pumping it through the oil glass on the dash and then back to the upper compartment of the crank case, the level of the oil was maintained by the depth of the oil troughs and the surplus oil drained out into the lower compartment. While the motor is running there should be from 1/4 to 3/8 of an inch of oil in the glass on the dash. When it falls below this add more oil through the breather tubes.

Either model will take from 3 pints to 2 quarts of oil to start on. The purpose of the pump on the earlier model is to keep the oil level steady all of the time by adding oil as it is used, while the pump on the later models simply circulates the oil from the lower to the upper compartment.

As you do not give the year number of your car I have given you instructions for the two kinds of the same model. As the cranks of your motor are oiled by the splash system you cannot use the oil in the fuel system as described in a previous installment of Farm Power.

PAINT SERVICE DEPENDS ON THE CLIMATE!

The old idea that "paint was paint," and that any paint was good for any climate, was changed when we discovered that climatic conditions *did* affect paint very seriously unless the paint was *made to suit the climate*.

It has been *proved* that paints which are not prepared to meet climatic conditions will crack, check and peel off—giving poor, uneconomical service. To avoid paint troubles, and losses, use

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Made on four formulas—to suit the damp, medium, dry or very dry sections of this country. Look at the map, showing prevailing climatic conditions in each section—showing you the paint you ought to buy.

Lincoln Climatic Paint Book—FREE

—tells about our discovery of the greatest fact the paint industry has ever known—shows why it *pays* to buy only the paint that suits your climate.

Ask your dealer for Lincoln Climatic Paints—also for Lincoln Floor Paints, Lincoln Enamels, Lincoln Carriage and Automobile Paints, Lin-Co-Lac for furniture and inside finish, Lincoln Walamo for a fine washable wall finish. There's a Lincoln Paint, Varnish, Stain, Enamel or Finish for every surface, old or new, indoors or outdoors.

Write for free copy of "Home Painting Jobs—How to Do Them." It will help you with the little painting and decorating jobs that make the home attractive and render housework easier.

LINCOLN PAINT & COLOR CO.,
Dept. 25 Lincoln, Nebraska
Factories: Lincoln, Nebraska; Dallas, Texas

Explanation of Map

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

"Farmers' Pride"

A General Purpose Saddle That Fills Every Need. **Special Price \$9.67 for March and April**

Seldom is an opportunity offered to buy a good saddle at a low price, and never has so fine a saddle as our "Farmers' Pride" been offered at anywhere near the price we are quoting. Just another example of Sears, Roebuck and Co.'s policy of distributing dependable merchandise at prices based on production cost plus one profit.

This is the way we make it:

| | |
|--|---|
| TREE—13 1/2-inch, Morgan style, steel fork and horn; sheepskin covered bars, making the saddle easy on the horse's back. | SEAT—Half leather covered, roll cantle. |
| SKIRTS—21 inches long. | STIRRUP STRAPS—1 1/2 inches wide, full length, to buckle; fenders, 6 1/2 inches wide, 13 1/2 inches long, attached; 3-inch Texas bolt stirrups. |
| RIGGING—Double cinch rigged, with 1-inch tie straps to tie; 4-inch soft hair cinches. | Weight of saddle, about 13 pounds; packed for shipment, about 20 pounds. |

No. 10W351302 1/2 Price.....\$9.67

Send us an order for either or both of these items and we will ship promptly. Your money back if you are not pleased. Take advantage of these low prices now, as hides are scarce and leather is steadily advancing in price. This is an opportunity that will not be presented again. Our complete line of exceptional values in harness, saddlery and accessories is shown in our beautifully illustrated 80-page Special Harness Catalog and is yours for the asking. Write "Harness" on a postal card, sign your name and address and we will mail you this catalog postpaid. Act now and send us an order and save money.

Our "Mansfield" Farm Harness

is still another money saving bargain in a strong, serviceable double farm harness worth almost twice the price we ask for it.

Following are the specifications:

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|--|---|
| BRIDLES—3/4-inch short cheeks, round side reins, sensible blinds, nickel spots. | PADS—Flat harness leather, felt lined; drop hooks and terrets; nickel spots; folded bellybands; 1 1/2-inch hip and back straps; scalloped sales, cruppers buckled on; Cooper's trace carriers, nickel spotted on outside. |
| LINE—1 1/2 inches wide, 18 feet long. | |
| HARNES—Wood, iron bound, square staple; Moeller hame tugs, jointed Concord clip attachments; 1 1/2-inch breast straps and martingales, with collar straps. | |
| TRACES—1 1/2 inches wide, Moeller clip cock-eyes. | |
| TRIMMINGS—XC buckles. | |

Weight, packed for shipment, about 80 pounds. No. 10W35587 1/2. Price, without collars..... **\$32.79**

We guarantee this saddle or harness to give you satisfactory service.

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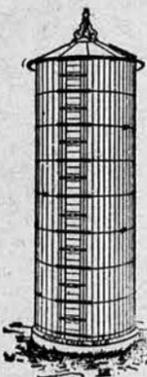
Be sure to get the big book—read how Split Hickorys are made—why Phelps makes you such big savings and why no one else can do so well by you—Address postal now to

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THIS OFFER IS NO CATCH. It is a solid proposition to send, on trial, fully guaranteed, a new, well made, easy running separator for \$15.95. Skims hot or cold milk; making heavy or light cream. Designed especially for small dairies, hotels and private families. Different from this picture, which illustrates our large capacity machines. The bowl is a sanitary marvel, easily cleaned. Gears thoroughly protected. Western orders filled from Western points. Whether your dairy is large or small, write us and obtain our handsome free catalog. Address: AMERICAN SEPARATOR CO. BOX 1092 BAINBRIDGE, N.Y.



Challenge Silos WHY?

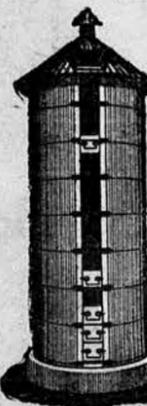
Best for your money. Anchors (both top and bottom.) Inside Brace. Steel bound door opening. Doors can't bind; always in place. True and smooth inside. No steel parts in contact with feed. Lumber: The best to be had. Catalogue No. 60 FREE. CHALLENGE COMPANY, 127 River St., BATAVIA, ILLINOIS.

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MADE OF Wood or Galvanized Steel

Send for Free Catalog F. WYATT MFG. CO. Salina, Kan. 106 N. 5th Street.

Also a full line of implements on which we can save you money. Write for Big Free Bargain Book.



UNADILLA SILO

Were awarded the Blue Ribbon at Kansas and Oklahoma State Fairs in 1912. They are used by the Borden Condensing Company, a thirty million dollar milk company; the New York Industrial Farms, and numerous large feeders, all with great profit and satisfaction. It has adjustable front. Can push ensilage out on level, do not have to fork it up over doors and cross bars, two to three feet high. Can tighten every hoop from ladder. Doors weigh 14 pounds. You cannot bind, or stick. Write for prices. Agents wanted. Central Unadilla Silo Co., Des Moines, Ia.

Only \$2 Down One Year to Pay!

\$24 Buys the New Butterfly Jr. No. 1. Light running, easy cleaning, close skimming, durable. Guaranteed a lifetime. Skims 50 qts. per hour. Made also in four larger sizes up to 5 1/2 shown here.

30 Days' Free Trial Earns its own cost and more by what it saves in cream. Postal brings Free catalog folder and "direct-from-factory" offer. Buy from the manufacturer and save half. (12)

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GUS PECH Foundry and Manufacturing Co.

Manufacturers of The Celebrated Monitor Well Augers and Drills

Write for prices and illustrated catalog. Dept. A. Le Mars, Iowa U. S. A. Branch House Regina, Sask.

Leidigh's Answers TO FARM QUESTIONS

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

Sweet Clover Worth a Trial.

I have a soil on which it is difficult to grow grass. Would Sweet clover grow on it?—I. F. F., R. 1, Lockridge, Okla.

Sweet clover might grow under conditions you describe. One trial will show whether it will be especially successful. Sweet clover somewhat resembles alfalfa in its manner of growth. It is not like either the Red clover or White clover. It is not a grass and could not be recommended for lawn purposes except where other things, usually used for this purpose, are not successful.

A. H. Leidigh.

Will Cowpeas Make Hog Pasture?

Will New Era peas have time to mature sufficiently for fattening hogs if sown immediately after harvest? Please answer in Farmers Mail and Breeze.—C. E. H., Dickinson county, Kansas.

New Era cow peas will mature sufficiently for use as hog pasture, if planted immediately after wheat harvest, provided the soil is in reasonably good condition and the season is not too dry. Cowpeas, however, are not as valuable for hog pasture as alfalfa or some other crops that might be mentioned.

A. H. Leidigh.

Soil Conditions for Alfalfa.

I am enclosing a letter in regard to "Nitragin." Is this merely a money-making scheme?—J. E. G., Elk county, Kansas.

In a general way, the claims made for "Nitragin" are correct and entirely in accordance with facts, but of course, you must understand that the literature of which you speak is advertising matter. It is possible to obtain a culture which will cause the growth of the proper bacteria on the roots of the alfalfa plant. It is also possible to inoculate the field with this bacteria by transferring from 200 to 400 pounds of soil from a successful alfalfa field to a field not possessing this bacteria. Such soil should not be allowed to dry out and should be worked into the surface soil at once. This is the customary method in Kansas. It is expensive if you have to go some distance for your soil, and you will find it disastrous, if dangerous weeds are introduced by this practice.

The commercial culture sometimes fails, owing to the faulty preparation, or poor handling by the farmer. Its cost is about \$2 per acre. Before one considers the use of Nitragin, or of the soil-transferring method of inoculation, he should first find out whether or not legumes will grow under his conditions without inoculation. In Kansas the probabilities are strong that the legumes will grow and be inoculated naturally. It is probable that if your soil is not naturally inoculated for alfalfa, there is a definite reason. In southeastern Kansas, the hardpan, shale and sandstone soils must be drained, and then supplied with lime, before alfalfa or alfalfa bacteria can grow, either alone or in conjunction with each other.

If your conditions indicate alfalfa inoculation is all you need, then either a commercial culture, or the soil-transfer method should be used. If your con-

ditions are not favorable to the growth of the plant, get the soil right first and inoculate afterwards, because inoculation alone under these conditions, would probably not be as successful.

To Kill Smut on Kafir Seed.

How would you prevent smut in cane seed? Please answer through the Mail and Breeze.—D. R. R., Woodson county, Kansas.

To prevent smut on Kafir and sorghum the seed must be treated with poison or hot water to kill the smut spores, which cling to the outside of the seed. We advise the formalin method. This has been worked out by the Kansas Agricultural College and by the United States department of agriculture. Formalin is a colorless liquid and the full strength is sometimes sold as 40 per cent formaldehyde. You should be able to obtain it at any drug store.

Mix 1 pound of formalin in 30 gallons of clear water. Place the seed to be treated in a sack and dip it into this water. The seed should be moved about so that the water will touch all the seeds. After leaving it in the solution one hour, take it out and spread it to dry. It should dry rapidly, but must not be placed in the sun to dry. The seed may be planted as soon as dry or may be kept for several weeks. After treating the seed you may use the remaining solution to wash out the drill or to treat the sacks and similar material in which you wish to place the seed. If inconvenient to dip the seed, spread it out on a floor or on a tarpaulin and sprinkle the solution over it. The seed should then be shoveled and thoroughly stirred, so that every part of it is reached by the poison. Then cover it up with the tarpaulin or with the sacks and leave for one to two hours and then dry.

Growing Cowpeas For Seed

What is the best way to raise, harvest and thresh cowpeas—A. C., Kingfisher county, Oklahoma.

If you are growing cowpeas for a crop of seed it will be necessary to grow them as a primary crop, and not as a catch crop. Seed them in rows 30 to 40 inches apart, the plants 4 to 6 inches apart in the row, and cultivate as long as the work can be done satisfactorily. The greatest difficulty will be met in harvesting the crop. There seems to be no satisfactory method except that of picking the seed by hand. They can then be hulled with a cheap, ordinary pea puller. They should be picked about three times, as the pods ripen, in order to get the best results. Under favorable circumstances they should yield about 8 to 14 bushels per acre. The chief use of cowpeas in Oklahoma is as a catch crop after a crop of grain, or seeded at the last cultivation of corn in order to improve soil conditions.

O. O. Churchill. Oklahoma Experiment Station, Stillwater.

[Within a year or two, pea threshers have been put on the market which are said to do first class work. Probably it would not pay a farmer to own one for his own use unless he made a business of growing cowpeas, or could make something more than expenses by threshing peas for his neighbors, also.—Ed.]

We are well pleased with the Mail and Breeze. There is no better farm paper and you are doing so much good getting the young folks interested. I believe that you have struck the right plan to keep the boys and girls on the farm.—R. S. White, Butler, Okla.

Older Heads Better Spellers

The charge that the primary schools do not teach spelling as thoroughly as they used to, apparently is supported by the letters submitted in the Mail and Breeze's Farm Office symposium. The letters from the old fellows of 40, 45, 50, and so on, show many fewer mistakes in spelling than those from the younger writers. The older contributors also write a better hand. One of the letters conspicuous for its number of misspelled words is from a college graduate. It averages almost three "bad spells" to the line. However, as orthography, good or bad, is not one of the conditions, the bad spellers need not feel uneasy. The judges have reviewed all the letters several times and the process of elimination, now going forward, is expected sooner or later to disclose the four letters entitled to be considered the prize-winners. Then, after it has been ascertained all conditions have been complied with, the result will be announced.

Save \$25 to \$40

The Separator Question Solved

BEATRICE

For years farmers have been kicking against exorbitant prices for standard separators. Here's the answer: Get a Beatrice. The one standard separator at a reasonable price. \$25 to \$40 cheaper than other standard makes. Patented device will make the machine spotless and thoroughly sanitary in less than 2 minutes. A close, clean skimmer. Saves money—saves cream—saves labor. If you do not know a Beatrice dealer near you, write us. We'll send you booklets, and satisfy your needs. THE CONTINENTAL CREAMERY CO. Topeka, Kan., Oklahoma City, Okla.

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Indestructible by Heat, Cold, Sun or Rain. WARRANTED FOR 25 YEARS

1-Ply, 35 lbs. 108 square feet, \$1.10 per roll.
2-Ply, 45 lbs. 108 square feet, 1.30 per roll.
3-Ply, 55 lbs. 108 square feet, 1.50 per roll.

Delivered Free to any station east of Rocky Mountains except Tex., Okla., Colo., N.D., S. D., Wyo., Mont., N.M., La., Ga., Ala., Miss. and Fla., on orders of three rolls or more. Special prices to these States on request. Satisfaction Guaranteed. Reference—Southern Illinois Nat'l Bank.

Write us for FREE SAMPLES or order direct from this advertisement. Terms Cash. Address, CENTURY MANUFACTURING CO., DEPT. 321, East St. Louis, Illinois, or DEPT. 321, 6 East 11th St., Kansas City, Mo.

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1913 Take-down Eastern, with all latest improvements, walnut stock and grip. Shoots accurately 22 long or short, handsome, durable. SEND NO MONEY! Just send your name and address for my easy plan by which you can secure this fine rifle absolutely free Express Prepaid. Write today. H. A. SLOAN, 52 Epitome Building, SPEICER, INDIANA

Run Your Binder with a Cushman Engine

Only two horses required—smooth, even running—no failures to bind—work goes right along.

Horses Simply Draw Machine

The engine does all the work of operating. 4-h.p. Weight under 200 lbs. Speeds to 5 h. p. easily. Automatic throttle governor measures out fuel according to work. The original binder engine and more in use than all others combined. Detach and use for all-purpose farm power. Easy to handle, fits in anywhere. We also build 6-8 and 20 h. p. engines with same high efficiency—engines for all heavy duty. Write for free catalogue. CUSHMAN MOTOR WORKS, 2030 N St., Lincoln, Neb.

Farm Cushman The Original Binder Engine



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 dairy farm is no place for the dog that worries stock.

What a difference in the color of butter since the cows are on grass.

A bucket of scalded bran is good for the first feed after a cow has calved.

Calves will do better for having plenty of water as early as they want to drink it.

No preservative is needed where milk is kept clean and promptly cooled after being drawn.

A good well, milk house, and windmill makes a satisfactory refrigerating plant for the dairy farm.

A lump of rock salt where the cows can get to it is better than the occasional salting whenever we happen to think of it.

When cows first have a dry feed, before being turned on a heavy forage crop like alfalfa, there is much less danger of bloat.

Feeds of all kinds have averaged lower in price during the recent feeding season than for several years. But they brought the same top prices when sold to the cows.

Own a Cream-Testing Outfit.

Mr. Editor—Often much dissatisfaction arises over the test of cream. A complete cream-testing outfit suited for farm use can be bought for \$5, and there is little excuse for the producer if he does not protect himself by having his own testing outfit. The testing of cream requires only a few minutes' work and is so simple any careful person can do it. Nearly every state has laws which protect the interests of the farmers to the extent of providing for the prosecution of the intentional violator of the law so the cream producer with a weight scale and a cream-testing outfit is fully protected and can have his just dues if he demands them. Roy C. Potts. Oklahoma Agricultural college.

Hay and Silage to Cows on Pasture.

Mr. Editor—Cows turned into early spring pasture are benefited greatly if fed as much hay and silage as they will eat. Spring pasture has a stimulating effect on milk and butter fat production, and this increase in production is greater where hay and silage are fed than where pasture alone constitutes the feed. Where cows are withheld from grass until it becomes very good they may refuse hay and silage, but ordinarily it is believed to be the best plan to supplement early spring pasture with hay and silage in such quantities as the cattle will eat. Losses in live weight which occur during the spring pasture season have to be made up later and usually at the expense of the owner. Madison, Wis. G. C. Humphrey.

A Month's Work With Three Cows.

Mr. Editor—During January of this year I milked three cows—one fresh April 28, 1912, the second fresh June 21, and the third November 21. These three cows made 112½ pounds of butter during the month, besides furnishing milk and cream for the table. The cows had 4 quarts of mixed feed each twice a day, with alfalfa hay at night and Kafir fodder through the day. A fourth cow freshened the latter part of January and we began using her milk February 1, feeding her calf 4 quarts of whole milk a day. During February the two strippers gave only half as much as in January but still we made 130 pounds of butter. My butter is engaged at 30 cents a pound the year around, and the buttermilk at 20 cents

a gallon. I should like to have my cows do better but am not able to buy the best. However I have been breeding up my cows and to all appearances I have some heifers that will make some of their ancestors stand back and take notice. Mrs. A. E. Watts. Independence, Kan.

Good Work for an Old Cow.

[Prize Letter.]
Mr. Editor—I am greatly interested in the Mail and Breeze dairy page. I would like to contribute the record of one of our cows. She freshened December 28, last, and since that time has been making 13 to 14 pounds of butter a week. This cow is 12 years old and she is not doing as well as when younger. Her feed through the winter was 4 quarts oats, 2 quarts bran, and 1½ quarts oilmeal per day. For roughness she had cane and Kafir. We are not feeding any grain now as the cows run on wheat pasture. Two other cows freshened the middle of March and since that time we have been making 30 to 35 pounds of butter each week besides the cream we use for a family of four. Sitka, Kan. Mrs. J. J. Koehn.

A "Duster" for the Separator.

[Prize Letter.]
Mr. Editor—I have my separator on a solid foundation, fastened down well to hold it in place. I cover it with a cloth when not in use to prevent dust from getting into the bearings. The cover is a sack made out of 2½ yards of new, unbleached muslin with a draw string in the hem. This is slipped over the machine and tied at the bottom. It keeps all dust and dirt out.

I clean the machine as soon as possible after using it, first taking it apart, washing the parts in cold water, then in hot water. Then all parts are put in the large milk bowl and thoroughly scalded with boiling water. One should be careful there is no lime or sand in the water. The oil used on the bearings should be the best. The cream separator is a valuable, labor-saving, money-making machine and deserves the best of care. Charles B. Corbin. Hartford, Kan.

With a Small Silo and Good Cows.

[Prize Letter.]
Mr. Editor—We built a small silo last year, 9 feet in diameter and 18 feet high. The cost of materials was only \$38. We made a concrete pit 8 feet deep and built the portion above ground with 1 by 4-inch common flooring. The silage kept fine. This year we are planning to build a much larger silo of reinforced concrete.

Our cows are mixed Jersey and Short-horn stock. We sell the milk and make about 30 per cent more than we would by selling the cream. We raise the best heifer calves. We have tried all kinds of feed but find silage much the cheapest and best. The ration from which we got best results was 5 pounds corn chop, 4 pounds bran, and 40 pounds of silage given in three feeds daily. At night they had also 30 pounds of alfalfa hay, and through the day, access to good straw for roughness. Wm. H. Timmins. Medicine Lodge, Kan.

Tool Sets for Schools, \$130

(Continued from Page 11.)

bench. A carpenter could easily make four benches a day, which would make the cost of labor 75 cents per bench, allowing \$3 a day for wages. The bill for material and labor would be:
Hard pine lumber, 47 feet at 3¼ cents. \$1.65
Nails and screws.10
Iron vise screw.50
Labor75
\$3.00

With this arrangement, the tools and benches for classes of 15 students would cost only \$150.

If manufactured benches are bought, they will cost, including freight, from \$10 to \$20. Allowing \$15 a bench, this would not require a large amount, as the cost for this number of benches would be \$225, which added to the \$105, for tools, would amount to only \$330.

The estimated costs, then, for introducing this work would be from \$131.25 to \$330 for equipment and from \$22.50 to \$45 for material for a class of 90 boys the first year; not large amounts surely compared to the benefits derived. Manhattan, Kan.

A straight from the shoulder message to separator buyers

Beware of separator salesmen who claim that their machine is "just like the De Laval" or "as good as the De Laval."

Such claims are all absolutely false.

Such imitators juggle with words.

Instead of putting into their machine the experience and the workmanship and the material necessary to make a cream separator anything like as good as the DeLaval, they find it cheaper and easier to "claim everything" and make a bugbear of "price" to keep the buyer from discovering the mechanical shortcomings of their machines.



They go on Barnum's theory that the people like to be fooled and they don't care how they get your money just so long as they get it.

It is unfortunate that the separator business should be burdened with such unfair business methods but since it is it behooves every prospective separator buyer to use care and good judgment in the selection he makes.

Look well to the demonstrated ability of the concern that makes the machine to build a good separator. Avoid buying a machine whose makers have had little separator experience, or who are constantly changing from one makeshift type to another.

Talk with separator users who have learned by experience.

The more you investigate the more you will find that there is one and only one separator that stands in a class all by itself.

It was the pioneer cream separator in 1878 and it has been first ever since.

You will find that more machines of this make are being sold than all other makes combined.

You will find that 98% of the world's creameries use it exclusively.

You will find that every user of this machine is a booster.

You will find that its makers are so confident of its superiority that you may have a free trial of it alongside any other machine and judge for yourself as to which machine will serve you best.

This machine has over 1,500,000 satisfied users.

It will serve you best, save you most and last the longest.

If you want to be sure of making a good bargain buy a

De Laval Cream Separator

THE DE LAVAL SEPARATOR CO.

NEW YORK CHICAGO SAN FRANCISCO SEATTLE

Get Higher Prices for Silage Fed Beef Cattle and more Dairy Profits

That's what scores of cattle raisers are doing with the Illinois Silo. It cuts feeding costs, and will help you produce stock that can top market prices—frequently makes \$10 to \$12 profit per head in 3 months. The

ILLINOIS SILO

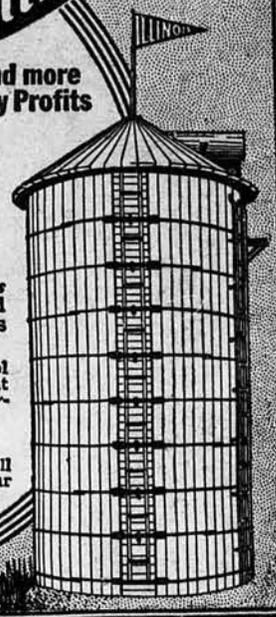
Here's the Silo that's built for long life and that saves time and labor as well as money. It's easy to erect and feed from. Has more good substantial features, for its price, than any other silo ever heard of.

Has the famous hoops that tighten at the door—steel door protector—Angle steel ladder at side with convenient platform—strong anchoring system, and absolutely airtight doors. Many other big features.

Book Free—Tells All

Mail postal or letter today for our catalog that will surprise you with Silo facts. Don't miss our money saving offer.

ILLINOIS SILO CO.
Dept. A
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Warranted to Give Satisfaction.
Gombault's
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Has Imitators But No Competitors.
A Safe, Speedy and Positive Cure for
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As a Human Remedy for Rheumatism, Sprains, Sore Throat, etc., it is invaluable. Every bottle of Gaustic Balsam sold is warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use. Send for descriptive circulars, testimonials, etc. Address
The Lawrence-Williams Co., Cleveland, O.

A Piano
For Every
Farm Home
in Kansas

Could have been purchased with the money—(Forty Million Dollars) that represents the extra profit of old line fire insurance companies on their Kansas business of the past 20 years!

Our company which is only one of 22 mutual farm insurance companies in Kansas selling insurance at cost, has saved to its members more than **One Million Dollars** in the past 15 years!

Think of it!
 Think how many girls and boys could go to college on that money!

Mr. Farmer, do you care enough about saving Forty Million Dollars for Kansas during the next 20 years to drop us a postal asking about our plan? Write today, telling us when your present policy expires, and we will make it plain to you why we now have an army of 38,314 policy holders, and why our business of last year alone was \$17,800,000.

Farmers Alliance
Insurance Co.
 McPherson, Kan.

LEARN TO REPAIR AND RUN AUTOMOBILES

Big Money in Auto Business
 Travel, get good pay, run garage or auto livery. FREE illustrated book tells all. You can learn in a few weeks at home or in our shops. Write for information today.

KANSAS CITY AUTOMOBILE SCHOOL
 Largest and Best Equipped School in the World.
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SEED CORN

Plant the best. I have Boone County White, Hildreth's and Reid's Yellow Dent. Carefully selected, thoroughly tested, and graded. Write for prices and samples. I sell only my own growing. Money back if not satisfactory upon receipt of shipment.

M. T. KELSEY, NORTHWOOD FARM,
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GAS TAR COMPOUND

Why pay \$1.00 per gallon for a lice killer when you can buy gas tar at 9c per gallon? To use simply thin with gasoline or coal oil and spray. Can also be used as a paint by thinning with gasoline. Adds ten fold life to all timber: try it on your fences, barns, etc. Price \$4.50 per barrel of 50 gallons, f. o. b. Beatrice, Neb.

Gage Co. Gas Light & Power Co., Beatrice, Neb.

TALKING MACHINE RECORDS Parcels Post Prepaid

Edison blue Amberol, Columbia and Victor Disc at 4¢ prices. Send for complete lists of selections, catalogues, etc.

Santa Fe Watch Co.
 Talking Machine Headquarters,
 819 Kansas Avenue Topeka.

SEED CORN

Four leading varieties, grown and selected by myself. Reid's Yellow Dent, St. Charles White, Bloody Butcher, University No. 3 (an extra fine 90-day corn.) Seed is certified by our association. Write today for illustrated catalogue.

FRANK J. RIST, HUMBOLDT, NEBRASKA

FOR \$2 I will send you prepaid the most wonderful little washing machine ever made. Regular price \$3.50. Easy to operate—the children will think it fun. It is absolutely guaranteed and if not satisfactory money will be returned. Act as my agent and earn big commissions and a trip to California.

Alice C. Page, Call Bldg., San Francisco. "Everybody knows me"

Buckwheat as a Catch Crop
 BY DAVID BRODIE,
 U. S. Department of Agriculture.

Mr. Editor—Buckwheat is a quick-growing crop, maturing seed in about 70 to 75 days from the time of sowing. It is valuable as a grain crop for poultry and hogs, though the ground middlings make rich protein feed for dairy cows. For horses the ground grain may constitute about one-third of the grain ration and so used is considered equal in feeding value to oats. As forage it may be used as a soiling crop for dairy cows, having considerable value for this purpose. Of the three varieties commonly grown—Japanese, Silver Hull and Common—Japanese usually gives best results and is recommended for the West. Seed 2 to 3 pecks per acre, either in drills or broadcast, covering the seed 2 to 3 inches deep. While buckwheat will do better on poor land than some crops, it gives best results on well prepared, fertile soil. The crop is easily killed by frost.

[Mr. Brodie entirely overlooked one of the very important uses to which buckwheat is put, namely griddle cakes.—Ed.]

An Overlooked "Side Line"

Mr. Editor—On our old farm in Illinois it was father's rule that every implement be put in the shed as soon as we were through using it for the season. On coming to Kansas the same rule applied. We consider lumber cheaper than machinery. Care in operating, the use of plenty of oil, and careful protection from the weather when not in use, are the main points to be looked after in our machinery. There is no way of increasing a mortgage faster than by not taking care of the expensive machinery grain raising demands and there is no way of accumulating money on the farm faster than by making all machines and tools last as long as possible.

Topeka, Kan. John C. Snyder.

For the Dog That Steals Eggs.

Mr. Editor—I have tried many remedies on egg-sucking dogs but none was effective until I tried gunpowder. The shot were removed from a loaded shell and about half the powder taken out. The shell was then put in the gun, the gun laid on the ground and covered with an old sack, and the egg placed at the point of the barrel. I concealed myself and just as the dog was about to pick up the egg pulled the trigger. The discharge, of course, broke the egg and burned the dog's nose a little, but he thought the egg caused it all and sucked no more eggs. I have broken several dogs this way.

M. C. Maramec, Okla.

Dressmaking Lessons Free
 Complete Illustrated Course of Lesons Given to Women Readers of This Paper for a Short Time Only.

We have just published in one large volume one of the most valuable and most comprehensive courses of instruction in home dressmaking ever written. This course of lessons covers practically every phase of the subject of dressmaking. It tells you how to make most every garment, from the simplest house apron to the most elaborate evening gown.

This valuable book, "Every Woman Her Own Dressmaker," will be found of great assistance to beginners as well as experienced dressmakers. You can turn to this book and find a satisfactory answer to practically every dressmaking question which might come up. It illustrates and fully describes 200 very latest styles for ladies and children. It gives valuable instructions on fitting and finishing—instruction needed by every woman. Here are some of the interesting subjects taught in these lessons:

- How to sponge and shrink wool goods.
- How to shrink wash materials.
- How to make a tailored coat at home.
- How to make a plain shirt waist by the newest and easiest method.
- How to make a boned lining.
- How to make stylish suits, skirts, waists, dresses and dressing saques.
- How to make wrappers, kimonos and underclothes.
- How to make children's coats and school clothes.
- How to make baby clothes, long and short.

We are giving these valuable dress-making books away absolutely free just to introduce our popular publication. Send us your name and address at once, together with 4 cents in stamps to cover mailing expense, and secure one of these valuable books before the offer is withdrawn. Address **ARTHUR CAPPER COMPANY, Dept. DM-11, Topeka, Kansas.**

Let Your Horses Stack Your Hay

You can't afford to pitch hay by hand, when you can save \$10 a day by using the Sunflower Stacker. We can prove to you that it will lift a bigger load with less strain on stacker and horses than any other stacker made. It will not break down in front nor tip up behind. It is guided by a rudder and not by the horses—you can put the load any place you wish. No backing. It is guaranteed to put up more hay in a better way than any stacker you ever saw—to save you more time and hard work—and yet is so simple in construction that the boy can run it.

If you grow alfalfa or hay of any kind, you need the Sunflower—the most economical stacker built. Let us tell you what it will do for you and show you what other farmers say about it. Write today for circulars and prices.

Sunflower Mfg. Co., Manhattan, Kan.
 Wheat Growers: Ask about our Grain Stackers.



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You take no risk when you buy a buggy from us. We guarantee it to please you, and to be a bigger value for your money than you can get anywhere else, or you needn't keep it. Reference; S. Ill. Natl. Bank, East St. Louis, Ill.

Mutual Buggies, Surreys, Wagons, etc., are the highest quality, handsomest, most stylish vehicles built. The only line guaranteed 5 years. We sell direct at wholesale prices—and save you \$25.00 to \$100.00. Write for catalog and delivered prices.

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GOOD MEN WANTED to introduce our Dairy and Farm Supplies. Sell on sight. Write for Free Sample and Salary proposition. **De King Mfg. Co., (Est. 1908) Dept. C, Chicago, Ill.**

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 All Branches Engineering; enroll any time; machinery in operation; day and night session. **Finlay Bldg., 10th and Indiana, K.C., Mo.** Ask for catalog "D". Phones East 295.

BINDER TWINE
 Special price to Farmers' Organizations and in car lots. Quick shipment. **Farmer Agents Wanted**
AUGUST POST MOULTON, IOWA

Fills 60-ft. Silos With Ease!

The day of the skyscraper Silo is here. No Silo too high for the Smalley! When George Crow, of Hutchinson, Kan., got ready to fill his big 60-ft. Silo he promptly sent for a Powerful "Smalley" and patented chain-drive Blower to do the cutting and filling. "A. C. Rust of Hardin, Mo., has averaged 100 tons of silage per day since he bought a Powerful Smalley." Best time made, one 100 ton silo filled in five hours.

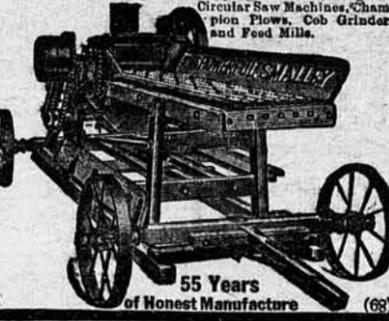
Real business farmers like Mr. Rust have no time to fool with the old flat-apron type of machine. They want this force-feed Chain-table, grip-hook kind, made by Smalley only. Thus they save a tremendous amount of work and do a quicker, cleaner job. No coarse, uneven silage. All uniformly cut. Which means greater tonnage per silo.

POWERFUL SMALLEY FORCE-FEED SILAGE CUTTER

not only handles green silage, but is also a wonder at cutting dry feed. Handles alfalfa, for instance, to perfection. Letters in catalog prove it. Many farmers use their Powerful "Smalley" to cut corn in the fall and oats and peas in the spring for feeding when pastures dry up in July. Only one drive pulley on Blower outfits. No idler to bother with. Ten per cent steel guaranteed in all foundry castings. No oiling by hand—hard oil cups on all important bearings.

You won't know what a real Silo Filler is till you've seen the Powerful "Smalley" or had the Smalley Catalog. Why not send a postal this minute for the latest Smalley Catalog and learn about the Silage Machine that four out of five silo owners now use? Write now and you'll get this fine, useful Book by return mail.

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 Box 49, Manitowoc, Wis.
 Manufacturers of Ensilage, Alfalfa and Hand Feed Cutters, Combination Ensilage and Snapping Machines, Drag and Circular Saw Machines, Champion Plows, Cob Grinders and Feed Mills.



KOUNS' Steel Stackers
 LOADERS AND BARN FILLERS
 Are superior to all others. Let me show you.
KOUNS, Saltina, Kansas

SONG POEMS WANTED
 \$1000 offered for certain inventions. Book "How to Obtain a Patent" and "What to Invent" sent free. Send rough sketch for free report as to patentability. Patents advertised for sale at our expense in Manufacturers' Journals.

CHANDLER & CHANDLER, Patent Att'ys
 Established 1878
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It's a shame!
 to have lousy chickens and stop their laying when you can drive out chicken lice with **Avenarius Carbolinum**

One application a year guaranteed to keep your coop free from lice. Write for circular and testimonials. **Carbolinum Wood Preserving Co., Dept. 112, Milwaukee, Wis.**

\$100 to \$300
 Per Month Easily Made in the **AUTOMOBILE BUSINESS**

Learn to be a chauffeur, repairman, auto salesman or a demonstrator. First Lesson Free. **I Will Give You a 50 H. P. Coxy Flyer Without a Cent in Cash**

Write for big free catalogue telling about this great offer and how you can have steady work all year. **C. A. COEY, Pres., C. A. COEY'S SCHOOL OF MOTORING,** Dept. 177, 1424-26 Michigan Ave., Chicago

MAKE \$200 A MONTH

Don't waste any more precious time and energy slaving your hours away working for others. Write me today about an absolutely new business—a huge immediate profit, depending on you—a big dependable income, and absolute independence. EVERY DOLLAR YOU MAKE IS YOUR OWN and represents a profit to you of from 500 to 1500 per cent. Inform yourself about this tremendously successful business of instantaneous photography. Reap the rich rewards that the universal demand for photos assures you.

NO EXPERIENCE NEEDED
 With absolutely no experience from the very hour this new and amazingly successful photographic invention reaches you, you should make \$200.00 or more a month. Others have done it. You can certainly do as well.

Write this very day for complete free particulars about this wonderful new device which enables you to take and instantly deliver at the rate of 100 an hour finished photos in eleven varieties and styles on buttons, tins and paper post cards. Convince yourself that you can by a trifling investment speedily place yourself in a position to earn \$50.00 and upwards weekly. Give me a chance to prove that this amazing invention is a real, new opportunity which will turn your minutes into money. Intensely interesting particulars free. Send me your name and address and convince yourself. Do so now. Don't delay.

L. LASCELLE, Mgr., 827 West 43rd St., Dept. 1022 New York

How Live as Well on Less

REDUCING DAILY EXPENSES.

(Continued from last week.)

Mr. Editor—Pay better salaries to resident preachers and less to traveling evangelists. Money spent on lecture courses, chautauques and shows had better be used to encourage home talent. A balance in the bank is worth more than life insurance. Before buying an article we should ask ourselves, will it benefit us, or are we buying it to be in style, or because the salesman or advertiser asks us to? We have too much idle machinery. The average manure spreader can haul, perhaps, 20 loads of manure a day. Big plowing outfits will be overdone, too. We should buy groceries in bulk, avoiding expensive packages and "premiums." A dollar's worth of dried fruit contains more food when prepared for the table than \$5 worth of canned fruit. Bread, candy, cookies, etc., are shipped into every town by the wagon load when all should be made at home. Housekeeping will soon be a lost art. It is more popular nowadays to march in a suffragette parade than to make good hash.

Cedar, Kan. Edward Lind.

Cows and a Separator Will Do It.

Mr. Editor—We bought a little farm in 1895, going in debt for most of it. Then hard times came and it required some studying to pay for our home and educate the children. We bought 10 good cows and a cream separator, going in debt for part of the amount. We sold the cream and raised calves with the skimmilk. With some ground feed in addition we raised a nice lot of hogs. We had 200 chickens. These with the garden supplied the table and brought in a good income. We put up the meat and fruit we used on the farm. Today our home is paid for. There is a good house, barn and other improvements on the place and the whole farm is fenced in. There is no better way to keep down living expenses than by the aid of a bunch of cows and a separator.

Maize, Kan. K. M. W.

This Conserves the Cash.

Mr. Editor—We buy nothing but sugar, tea, baking powder, coal oil and similar articles. The eggs and cream more than pay for these, so we are out no cash from the farm income. We raise our meat and butcher it ourselves. Last summer we put up sweet corn, onions, peas, beans, etc., enough to last till garden vegetables come again. We make sirup from sugar cane and keep enough wheat to exchange for flour when we are out.

Drummond, Okla. W. J. H.

Purebred Chickens Always a Help.

Mr. Editor—A nice amount of money may be made each year with a flock of purebred chickens. A few years ago I secured some eggs from a fancier of Rhode Island Red chickens. I keep a few purebred Bourbon Red turkeys, also. By putting an ad. in the Mail and Breeze I have been able to sell off all my surplus stock and eggs the last three years at a good price.

Mrs. T. J. Woodall.

Fall River, Kan.

Hutchinson Fair Bonds Won

By voting the fair bonds in Reno county, April 22, the provisions of the law passed by the recent legislature were complied with and the State Fair of Kansas located officially at Hutchinson. A levy for \$50,000 was voted with which to buy the present fair grounds and equipment. These will then be turned over to the state. The vote was largely in favor of the bonds, more farmers voting for than against the levy.

A FREE CHICK BOOK.

Mr. C. O. Woods, a chemist and poultry fancier of 309 West 3rd Street, Lee's Summit, Missouri has written a valuable booklet on White Diarrhoea in little chicks and why so many of them die. He also tells of a simple home treatment that cures this disease over night and saves about 98 per cent of each hatch. Everyone interested in poultry raising should write him today for a copy of this booklet which he is sending free to readers of Mail and Breeze.—Adv.

We find the Mail and Breeze a great help along all lines of farm work.—F. M. Moore, Anthony, Kan.

"RANGER" BICYCLES



Are equipped with puncture-proof tires, imported roller chains, imported English flanged sprockets, English featherweight steel mud guards, imported Brampton pedals, motor style saddles, bars and grips, and other distinctive features possessed by no other bicycle. No effort or expense has been spared to make the "Ranger" the World's Best Bicycle. Improved factory methods and greatly increased output for 1913 enable us to make a marvelous new price offer. Something very special to the first purchasers of 1913 models in each town. Write us today.

WE SHIP ON APPROVAL without a cent in advance, to any person, anywhere in the United States, and prepay the freight. We only ask you to examine and try the "Ranger" before you think of buying any other bicycle. **10 DAYS FREE TRIAL** is allowed on every "Ranger" bicycle. Not a cent cost to you if you do not wish to keep it after riding it for 10 days and putting it to every test. Our "Ranger" bicycles are of such high quality, handsome appearance and low price that we are willing to ship to you, prepaid, for your examination and trial, and leave it entirely to you whether you wish to keep it or not.

LOW FACTORY PRICES Our great output, machinery enable us to offer you direct from the factory the best bicycle ever produced at a price that will be a revelation to you. Do not buy a bicycle or a pair of tires until you receive our large complete catalog and learn our direct factory price and remarkable special offer.

SECOND-HAND BICYCLES—a limited number taken in trade by our Chicago retail stores will be closed out at once, at \$3 to \$8 each. Descriptive bargain list free.

RIDER AGENTS WANTED in every town and locality to ride and exhibit a sample 1913 "Ranger" bicycle furnished by us. In your spare time you can take many orders for our bicycles, tires and sundries. Write at once for our large Catalog and a remarkable special proposition we will make you on the first 1913 models going to your town. rear wheels with coaster brake, inner tubes, tires, lamps, cyclometers, parts, repairs and everything in the bicycle line at half usual prices. Do not wait—write today for large catalog containing a great fund of interesting, useful bicycle information. It only costs a postal to get everything. Write it now.

MEAD CYCLE CO., Dept. D 131, CHICAGO

You, Too, can make big money with a Sandwich Motor Press!

Every grower in your district will pay you handsomely to bale his hay! "Net profits per day \$18 to \$22," write Swartz & Mensch, Dixon, Ill. "Cleaned up \$300 in 6 weeks," writes Wm. J. Bulick, Reading, Minn. Other hustlers making \$200 to \$300 net monthly profits. And these men are all using the solid steel, big tonnage Sandwich.

Start With Little Money!

We'll make special terms with any responsible person. And you can pay from your profits. Unless we knew the Sandwich will make you stacks of ready cash, we couldn't sell this way. Yes, success is assured you before you begin.

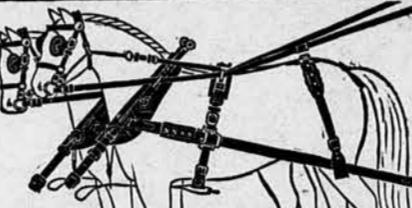
Gas Engine on Same Truck

Full power is driven from engine to press by a heavy steel roller chain. It does away with slipping belts—with their dangers and delays. The Gas Engine is the best quality—hopper cooled type—gear driven magneto—4, 6, 8 and 10-horse power—and develops more than rated.

Simple Time-Tried Self Feeder rises high up out of the way of operator and will stand hard crowding. Its big feed opening is unobstructed. The motion is slow,

SANDWICH MFG. CO., 180 A Street, Sandwich, Ill.

Sandwich Motor Press Supplies Its Own Power



I Can Save You \$10 a Set on Harness

Bridles 1/4 inch; lines 1 1/2 inches, 18 feet long; hames steel bound, ball tops, Concord bolt traces 1 1/2 inches wide; breast straps 1 1/2 inches wide; Moline pads. Price less collars, \$26.65. Write for Free Harness and Vehicle Catalogue.

A. C. Little Harness & Vehicle Co., Concordia, Kan.



WE TEACH YOU

Learn to operate and repair automobiles. Training on vulcanizers, drill presses, lathes. Pattern making, moulding, brazing and driving. Free catalogue. LINCOLN AUTO SCHOOL, 2350 O St., Lincoln, Neb.

Poultry Magazine

Big 40 to 60 page illustrated monthly magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 800 Jackson, Topeka, Kan.

Look Out For Worms This Month Look Out



I'll Stop Your Worm Losses I'll Prove It Before You Pay

Don't let worms breed contagious diseases among your hogs this year. Don't let them kill off the young pigs and rob you of your season's profits. You can prevent it if you will just take "a stitch in time." Now is the time when worms begin to get in their deadly work. Now they are breeding, multiplying by the millions in the stomach and intestines, and if you don't get the best of them, they will surely get the best of you. Let me show you how. I'll get rid of stomach and free intestinal worms in your hogs, sheep, horses and cattle and prove it to your satisfaction (not mine) before you pay me a cent. I'll do it with

Beware of SAL-VET Imitations Look at the Name Carefully

The Great Worm Destroyer and Conditioner

I've done it for thousands and in addition they write me they never had stock thrive better, look better and bring them such profitable returns. Here is my offer to you.

Send No Money—Just the Coupon

Simply fill in the coupon, tell me how many head of hogs, sheep, horses and cattle you have. I will then ship you enough Sal-Vet to last them 60 days. You pay the small freight charge when it arrives—put it where all your stock can get free access to it—and they will doctor themselves. They eat it as they do salt—just as they need it, and at the end of the 60 days if you don't feel satisfied, write me and I'll cancel the charge. I take your word as final—I let you act as judge of its merit—I put everything up to you. How can you risk loss—how can you let your stock drag along when they should be thriving, growing into profit when such a fair, open offer like this is put at your disposal? You have all to gain—nothing to risk. Fill out and mail the coupon now. Don't put it off—lest you forget. Read the letters above.

Sidney R. Feil, Pres.—The S. R. FEIL CO.—Dept. FM&B Cleveland, Ohio

Prices: 40 lbs., \$2.25; 100 lbs., \$5.00; 200 lbs., \$9.00; 300 lbs., \$13.00; 500 lbs., \$21.12

60-day trial shipments based on 1-lb. of "Sal-Vet" for each hog or sheep, and 4-lbs. for each horse or head of cattle, as near as we can come without breaking regular packages.

No orders filled for less than 40 lbs. on 60 day trial offer.

Mr. Fell is a Registered Pharmacist Under Ohio State Laws.

Read These Letters

I have been in the hog business for 30 years and have tried every known remedy for hogs, but have never found anything equal to your Sal-Vet. It certainly does the work and is easy to feed. I feed it to little pigs, boars, pregnant sows and find it O. K. I will never be without Sal-Vet.

C. F. MARSHALL & SON, Monroe, Ia.

"I had a lot of sick hogs and I lost five of them. I began feeding them Sal-Vet, my losses stopped and the hogs soon got into a fine, healthy condition."

V. P. UNDERWOOD, Roachdale, Ind.

While I cannot say positively Sal-Vet kept my hogs from having Cholera, I had no such sickness while my neighbors almost without exception lost hogs from Cholera. I certainly have great faith in Sal-Vet and it is all and more than you claim for it.

J. C. CONOVER, Chrisman, Ill.

I used your Sal-Vet regularly while feeding a bunch of fattening hogs and can say it is just the article. It made my hogs double their weight in 50 days. It is a great conditioner and worm destroyer—E. E. SHULL, LaCynge.

Sal-Vet always comes in original "Trade-Marked" Packages. Never sold loose in bulk or by the pound. Look for the "Sal-Vet" trade-mark.

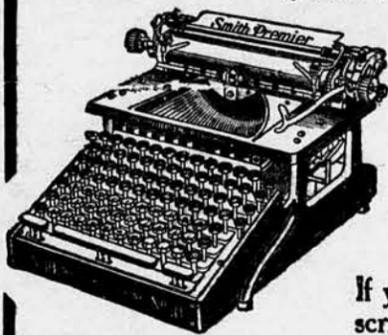
Ship me enough SAL-VET to last my stock 60 days. I will pay the freight and report results in 60 days and will then pay for it if it does what you claim. If it does not, you are to cancel the charge.

Sidney R. Feil, Pres. The S. R. Feil Co., Cleveland, O.

Name _____
 P. O. _____
 Shipping Sta. _____
 State _____
 Sheep _____
 Cattle _____
 Hogs _____
 E. E. SHULL
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Buy This Machine

When the busy season comes with its many demands on your time—when time is money and minutes count—that is the time a Smith Premier Typewriter will help you most. Letters must be written no matter how busy you are. *Saving time in writing letters makes the*



Smith Premier Typewriter

a real help to busy farmers. You can write *three* letters on this machine after a little practise, in the same time it now takes to write *one* with a pen.

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If you're in a hurry, it's a case of scribble, scratch and blot with pen and ink. A typewriter *can't* scribble or blot. Typewritten letters are clean, legible, business-like.

A typewriter can give you an *exact duplicate* of every letter and agreement you write. You ought to have such records filed away for easy reference. They give you a never failing memory of your exact words in important letters and business transactions.

You can write letters on the Smith Premier Typewriter practically at once.

It is the easiest machine to learn to use without instruction because of its "key for every character." Its gear-driven carriage and simple construction make it least likely to get out of order.

Don't put off deciding this typewriter question until you are too busy to give it the careful thought it demands. This will be our last advertisement in this paper for some time. If you intend to act—now is the time. Send a postal today sure, for full information.

Smith Premier Department
REMINGTON TYPEWRITER COMPANY
(Incorporated)
327 Broadway, New York

CROPS and FARM WORK

Prospects the Best in Years, Say Mail and Breeze Crop Correspondents—Last Week's Heavy Rains in Western Kansas Bring Renewed Hope of a Good Crop Year—Alfalfa Harvest on in Oklahoma

(Crop Reporting Service of Farmers Mail and Breeze.)

"Everything lovely," is the way H. S. Waters of McIntosh county, Oklahoma, describes crop conditions down there, and this expression would apply appropriately to about 9 out of every 10 counties in Mail and Breeze territory this week. The rains of last week were more general than any that have fallen since last August, in fact, they constituted the first good wetting many a section had had for seven or eight months. What is needed now is warm sunshine to bring up corn, which is nearly all planted.

The timely rains of last week will be responsible for a large increase in acreage of corn and other feed crops in western Kansas. Some wheat fields are spotted and some have been badly blown out, but in general the crop shows up better than any spring since 1910, the last big wheat year in the western counties.

Pasture and hay crops are going along at topnotch and for the present at least

for better soon. Farmers' Equity exchanges of Meade and Fowler have both bought elevators. Wheat 80 cents, corn 55, cream 31.—W. A. Harvey, April 26.

Barber County—Wheat and oats looking fine since the showers which averaged up to 1½ inches. Most of corn will be planted by May 1. Stock being turned out on pasture. Some disease still among hogs.—G. H. Reynolds, April 26.

Crawford County—Fine week for farm work. Corn planting well under way and some coming up. Wheat and oats look well but there is some complaint of chinch bugs in wheat. Pastures doing well.—H. F. Painter, April 26.

Coffey County—Have had one week of warm sunshine for spring work. Winter wheat looking well. Gardens and potatoes up and doing well. Good show for all kinds of fruit. Cattle and hogs still high.—Mrs. A. H. Stewart, April 18.

Gove County—This county had a good general rain this week putting ground in fine shape for spring work. Wheat is poor. Not much corn put in yet. Grass getting green. Quite a few spring colts arriving.—H. W. Schaible, April 25.

Rush County—Had a good, old fashioned three days' rain this week and ground is thoroughly soaked. Wheat started out the best in three years. Only about 10 per cent will be abandoned in this county. Oats and barley late but look well. Corn planting

Call For Special Report

Under date of Saturday, May-10, we ask each and every crop correspondent on our staff to make a special report on the condition of winter wheat on that date. Give the facts as nearly as you can ascertain them and mail reports in time to reach this office Monday, May 12. First, is the acreage larger or smaller than last season? Second, what is the condition of the crop on the basis of 100 per cent representing a good average condition? Third, what amount has or will be abandoned, and for what reason? Fourth, what is the situation in regard to bugs and flies?

the feed question is causing little worry, unless it be on the part of pasturemen, who fear they will not get enough stock to keep up with the grass. The alfalfa harvest is already in progress in parts of Oklahoma and a heavy crop is being put up. Next week cutting will begin in many southern Kansas counties.

KANSAS.

Seward County—Rain in abundance this week. Barley and oats show a good stand but wheat is poor. Grass greening up rapidly. Stock looking well.—J. W. Rosson, April 26.

Morton County—Had a heavy rain April 22-23. Barley up and looking fine. Spring work well started. Stockmen still feeding with a few exceptions. Cattle and calves high.—M. McGee, April 28.

Washington County—Wheat and alfalfa doing fine. Farmers plowing for corn but were delayed by heavy rain April 23-24. Peaches will be scarce here. Gardens coming on.—Mrs. Birdsley, April 24.

Meade County—First rain since August 20 to wet ground thoroughly came April 23. Wheat very uneven and present prospects indicate about fourth of a crop. Large acreage of oats and barley out and both starting well. Feed crop acreage will be the largest in years unless wheat changes

being rushed. Stock being turned on pasture. Butter fat 31 cents, eggs 16, hens 15, and one farmer marketed 100 for \$105 this week.—J. F. Smith, April 26.

Finney County—Snow and rain April 23 supplied much needed moisture. Farm work has begun. Wheat pretty badly blown out and present prospects not good for a crop. Grass looking good since rain. Stock selling high.—F. S. Coen, April 26.

Barton County—Wheat looks better since the rain but some fields will be planted to corn. Oats show a good stand. Little corn planted to date. Some wheat being marketed at 19 cents above test. Eggs 12½ cents, butter 20.—J. A. Johnson, April 26.

Roos County—Weather has been cold and only a few farmers have started to plant corn. Pastures greening up. Oats are slow. Stuff selling well at sales, especially cattle. Horses sell considerably lower than a year ago.—C. O. Thomas, April 25.

Stanton County—Ground is in good shape since the rains. Not much spring planting done yet as it has been so dry and windy. Some barley up and is looking well on sod broken last fall. Milo 95 cents per 100 pounds, eggs 10, butter 20.—G. S. Greger, April 22.

Graham County—A three day rain put fields in fine shape this week. Wheat looking fine. About 70 per cent is growing, the balance being badly damaged. Stock doing well and pastures improving rapidly. Hogs \$8.25, corn 46 cents, wheat 76, cream 24, eggs 14.—C. L. Kobler, April 26.

Chase County—Fine rains this week and ground is in excellent condition for farm work. Native stock going onto pasture in good shape. Good many pastures filling up with southern and western cattle. Wheat looks good. Good alfalfa hay \$10, corn 50 cents.—W. J. Dougherty, April 25.

Allen County—Weather fine for spring work. Oats and flax look good. Everything looks promising for crops. Cattle have good pasture. Good deal of corn planted. Late crop of pigs large. Good many colts have arrived. Horses and mules selling slowly.—Geo. O. Johnson, April 25.

Leavenworth County—Wheat looks well but has lots of chinch bugs in it. Farmers preparing ground for corn but only small patches have been planted so far. Good deal of old corn in cribs. Stock will be turned on pasture May 1. Prospect good for hay crop.—Geo. S. Marshall, April 26.

Osborne County—From 1½ to 2 inches of rain April 22-23—best rain of the season. Cold wave and frost followed. Wheat and alfalfa looking fine. Corn planting will begin May 1. Gardens and potatoes slow coming through. Stock will go on pasture first week in May.—W. F. Arnold, April 26.

Ness County—A slow rain beginning April 23 continued for 24 hours and put ground in fine shape for all growing crops. Pastures getting green and stock doing well. Big acreage of oats and barley in and both look good. Most wheat is thin and spotted. Corn planting has begun.—C. D. Foster, April 24.

Rawlins County—High winds damaged late sown wheat fields April 22. Had a good rain over east half of county April 23 and an all day snow over the whole county, which put ground in the best of condition. Early sown wheat looks fine but late sown

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OUR HUGE GAS WELL GIVES BOTTOM PRICES

ings don't show up well. Some wheat fields will be planted to corn and Kafir. Corn planting will begin about May 1.—J. S. Skolout, April 26.

Wichita County—Two inches of rain April 22-23 put ground in fine shape for plowing and listing. This was heaviest April rain we have had in six years. Corn planting begun. Large acreage of corn, Kafir and milo to be planted. Stock on grass doing fine. Butter fat 30 cents, eggs 14.—J. E. White, April 25.

Rice County—Good rains this week soaked ground down deep. Wheat promises a big crop. Not an acre will be abandoned. Stalk wheat best in years. Corn planting begun. Peaches will be a failure but all other fruit promising. Oats coming on fine and alfalfa looks splendid. Corn 50 cents, wheat 30.—Henry S. Wilson, April 26.

Bourbon County—Dry spring here so far. White frost this morning. Some corn to plant yet. Early plantings up. Oats looking good but being damaged by chinch bugs. Air has been full of them for a week or more. Prices on cows out of sight. Horses going down. Hogs \$8.25, eggs 15 cents, butter 24.—G. A. VanDyke, April 25.

Mitchell County—Weather cooler and have had two frosts this week. Plenty of rain. Alfalfa is large for the season. Condition of wheat will average about 111 per cent over the county. Oats up and looking good. Not much corn planted. Fruit trees loaded with bloom except peaches and apricots.—J. H. DePoy, April 26.

Grant County—General rain April 22-23, 7-10 inch at county seat. Farmers busy in fields taking advantage of much needed moisture. Wheat looking up and grass coming fine. Stock wintered well. Sale season over but high prices for cattle and mules still remain. Milo and corn 45 cents, butter fat 28, eggs 13.—J. L. Hipple, April 26.

Shawnee County—Plenty of moisture and everything looking fine. Wheat making good growth. Oats up and looking well. Some corn planted. Stock will go on grass May 1. Alfalfa has made splendid growth. Apple trees in full bloom but hail knocked buds off pear trees. Hogs \$8.50, corn 50 cents, wheat 75, eggs 16.—J. P. Ross, April 26.

Norton County—Had about 2 inches of rain April 23. Small grain in first class shape. Corn listing started. Ground is in fine condition. Many fruit and evergreen trees set out. Trees coming from the state nursery at Manhattan are first class. Cattle and hogs are bringing the ready cash. Pig crop doing well.—Sam Teaford, April 26.

Johnson County—Fine growing weather. Wheat, oats, meadows and pastures going right ahead. Soil in good condition and a large amount of corn planted this week. Fruit trees are covered with bloom. Had white frosts mornings of April 13 and April 25 but fruit was not hurt. Spring pig crop showing up better than last two years.—L. E. Douglas, April 26.

Decatur County—High winds of Monday and Tuesday ruined hundreds of acres of wheat. Tuesday night and Wednesday we had 2 inches of rain. Early sown wheat on early plowed ground suffered least. Corn planting begun and ground is in excellent condition. Many farmers are going to let up some on wheat and raise more corn, feed, and stock.—G. A. Jern, April 26.

Pottawatomie County—Long looked for rain came April 23. Wheat never looked more promising at this date. Prairie green and stock has been turned out. Abundance of good fodder to carry over. More corn to be planted than usual. Pig crop short. No wheat for sale. Fat hogs \$8.50, corn 55 cents, potatoes 90, cream 32. Common farm hands getting \$30 and board.—W. H. Washburn, April 25.

Stevens County—A 1 1/2-inch rain April 23 put ground in fine shape for farming. Wheat and barley showing up well. Some wheat was blown out. Corn planted and some of it is up nice. Lot of blank listing being done. Pastures greening up. Big barbecue in Hugoton May 5 to celebrate coming of railroad. Live hogs \$8, dressed \$10, cream 28 to 33 cents, eggs 12.—Monroe Traver, April 26.

OKLAHOMA.

Pushmataha County—Good rain last week is showing on crops. Corn is up and some being cultivated. Oats looking well. Season very late. Cotton nearly all planted. Good increase in all young stock.—K. D. Olin, April 28.

Alfalfa County—Good rain April 23 helped wheat and put ground in fine shape for spring crops. Oats look well. Corn planting on. Pastures starting nicely. Horses and mules command a good price. Cattle high and scarce.—J. W. Lyon, April 26.

Pawnee County—Corn is up and looks fine. Some has been cultivated. Good growing weather the last two weeks. Chinch bugs have done some damage to bugs. Wheat about knee high. Corn 60 cents, Kafir 50, eggs 13.—V. Funkhouser, April 25.

Delaware County—Spring was wet up to last two weeks. Ground in good working condition now. Corn planting in full swing. Wheat and oats in fine shape and growing fast. Kafir acreage will be larger than usual. Hogs and cattle high and scarce.—John M. Rock, April 24.

Harmon County—Need rain but it looks as though we would get it today. Some cotton planted. Corn up to a good stand in some places. Some planting still being done. Milo planting in full swing. Stock in good shape. Milo 35 cents, corn 45, eggs 10.—I. E. Grant, April 22.

Dewey County—Spring later than usual. Wheat and oats look good. Occasional showers and pushing things along. One of the best fruit crops in years in prospect. Corn going into ground in fine shape. Will all be planted by May 5. Have had grass for cows since April 20.—Wm. Liston, April 25.

McIntosh County—Nice rain April 23. Light frost the 25th. Wheat and oats at top notch. "Everything lovely." Corn coming to a good stand and some cultivated. Kafir also doing well. Cotton planting in order. Large acreage of melons out. Gardens producing fine "sass."—H. S. Waters, April 25.

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

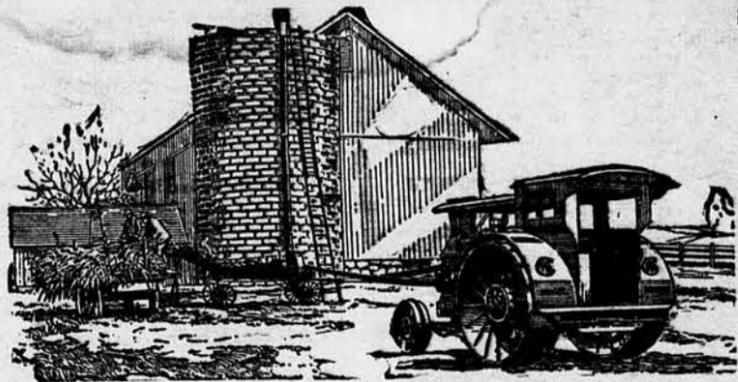
Make Your Work Count

WHEN you start your spring work this season—plowing, harrowing, rolling, seeding, etc.,—you can make your work easier, do it faster and better, and save money besides by putting an I H C tractor on the job. If your farm is small, buy a small tractor, 12, 15, 20, or perhaps 25-horse power; if large you can use a 25, 30, 45, or 60-horse power machine to advantage. An I H C tractor makes your work count. With it you can plow from two to ten times as much ground in the same time as with a horse plow. You can plow, harrow and roll at the same operation; you can draw two to four drills; at harvest time you can use it to draw the binders. It saves time and money in every operation. Make your work count.

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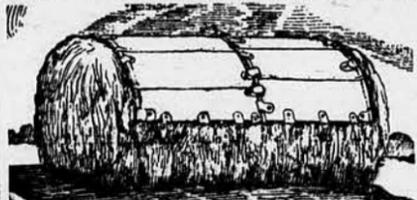
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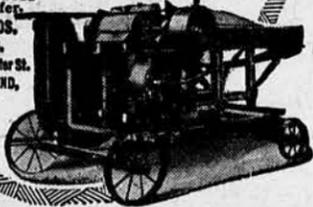
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then you'll know why Experiment Station Officials—and thousands of farmers, as well—unanimously agree that for power, speed and capacity, the

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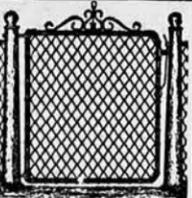
is the most uniformly satisfactory. It's the cutter that is honestly built from truck to stacker. In simplicity, durability, enormous capacity, economical power, absolute safety, the "Silberzahn" has no equal. Send now for new catalog, prices and details of Free Trial Offer.

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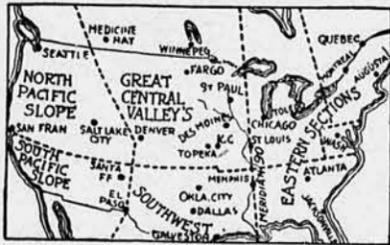


FOSTER'S FORECASTS

(Copyright 1913 by W. T. Foster.)

Washington, D. C., May 3.—Last bulletin gave forecasts of disturbance to cross continent May 3 to 7, warm wave 2 to 6, cool wave 5 to 9. This will cause unusually high temperatures and dry weather but some rains will occur irregularly in various places as the cool wave comes in. Our danger signals will hang out for the great steamship route to Europe from May 8 to 14, beginning near the grand banks, in the vicinity of Newfoundland, not far from May 8.

Next disturbance will reach Pacific coast about May 8, cross Pacific slope by close of 9, great central valleys 10 to 12, eastern sections 13. Warm wave will cross Pacific slope about May 8, great



(For Better Understanding of the Forecasts.)

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

central valleys 10, eastern sections 12. Cool wave will cross Pacific slope about May 11, great central valleys 12, eastern sections 14.

This will be a fierce storm from the Pacific to the Atlantic as the storm crosses the continent from about May 8 to 13. There are indications that it will be at its greatest force on May 12, about the time, or a little before, it reaches meridian 79, a line running north near Pittsburgh, Pa. While this storm is not expected to be so dangerous as some of the recent storms, it should be on the lookout. There may be no tornadoes but it is best to be on the safe side. Much greater storms are expected last part of May.

The rains of this disturbance will not cover large sections but will be concentrated and some heavy downpours may be looked for. It is not possible now to locate such rainfalls. A large part of the country will remain dry and will be robbed of moisture to make up the heavy local rains. The cool wave preceding this disturbance will carry frosts further south than usual but the cool wave following will not bring very low temperatures.

Another disturbance will reach Pacific coast near May 13, cross Pacific slope by close of 14, great central valleys 15 to 17, eastern sections 18. Warm wave will cross Pacific slope about May 13, great central valleys 15, eastern sections 17. Cool wave will cross Pacific slope about May 16, great central valleys 18, eastern sections 20.

Heal Wire Cuts With Lime

Mr. Editor—For wire cuts on horses throw away all your acids, calomel, axle grease, etc., and simply use air-slaked lime. In case of a cut I simply throw thoroughly air-slaked lime on the wound twice a day and never tie or sew up anything. You will find this a very successful way of healing cuts and wounds.

For distemper I have a liniment from a formula given me by Dr. Isgrig, a veterinarian, that has always proven effective. The liniment is made up as follows:

- Oil of cedar..... 2 ounces
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- Oil of hemlock..... 1 ounce
- Gum camphor..... 1 ounce
- Salt-peter..... 1 ounce
- Alcohol..... 1/2 pint

Mix and shake well, then bathe the glands of the throat once a day. Treatment should begin at the first symptom of the disease, for after suppuration it is too late.

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Experimental Farm Notes

Proof That Layers Must Have Exercise

BY REESE V. HICKS
Director of Experiments

A PEN of White Wyandottes, confined in the house, has made the poorest showing of all in the laying contest at the Mail and Breeze Poultry Experimental Farm—a forcible demonstration that layers must have exercise to do their best.

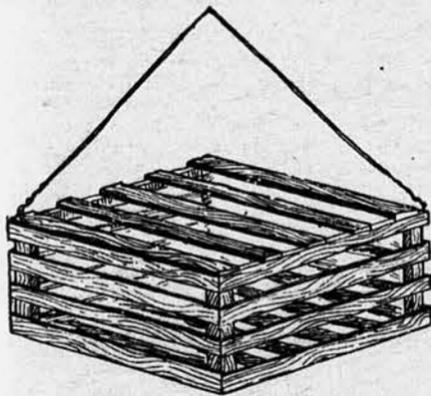


Reese V. Hicks.

The best layers for the two months ending April 15 are five Barred Rock hens. Those in pen 2. They have laid 158 eggs to date. A pen of Rhode Island Reds, pen F, comes next with a total of 143 eggs. This pen is not in the laying contest proper, but is one which is undergoing a special feed and treatment test. More about this later.

Laying Records, Pen 2 Leading.

Following is the laying record of all the pens for the first two months. The numbered pens are in the laying contest, proper, and are being fed alike. The pens designated alphabetically are



Slat coop for broody hens. Suspend it so it will swing easily. This swinging motion creates a current of air which cools the fevered condition of a broody hen.

those participating in the feeding and management test in which each pen is being handled in a different manner:

| Pens. | First month. | Second month. | Total Eggs |
|------------------------|--------------|---------------|------------|
| Pen 1. Buff Orpingtons | 62 | 64 | 126 |
| Pen A. Buff Orpingtons | 70 | 62 | 132 |
| Pen 2. Barred Rocks.. | 63 | 95 | 158 |
| Pen B. Barred Rocks.. | 45 | 86 | 131 |
| Pen 3. Minorcas..... | 10 | 50 | 70 |
| Pen G. Minorcas..... | 17 | 42 | 72 |
| Pen 4. White Leghorns | 40 | 82 | 122 |
| Pen E. White Leghorns | 17 | 64 | 81 |
| Pen 5. W. Wyandottes.. | 34 | 55 | 89 |
| Pen D. W. Wyandottes.. | 18 | 49 | 67 |
| Pen 6. R. I. Reds..... | 61 | 80 | 141 |
| Pen F. R. I. Reds..... | 60 | 83 | 143 |
| Pen 7. B. Langshans.. | 65 | 64 | 129 |
| Pen C. B. Langshans.. | 68 | 65 | 133 |

How Pens Are Handled.

All the foregoing pens have had the rations and care described in former accounts except Pen A, Buff Orpingtons, which was fed corn instead of Kafir.

Pen B, Barred Rocks, has had vegetables instead of alfalfa hay.

Pen G, Minorcas, has received no dry mash but has been given the same weight in extra grain.

Pen E, White Leghorns, has had unlimited range in addition to the regular feed.

Pen D, White Wyandottes, has had the same feed but has been confined in a 5 by 14-foot pen.

Pen F, R. I. Reds, has had whole corn only, but free range.

Pen C, Black Langshans, has received sprouted oats in place of alfalfa hay.

In justice to the Buff Orpingtons it should be said that one of the hens in Pen A died early in March after laying only 8 eggs during the month. Three hens in Pen I went broody and lost several days. In Pen 5, White Wyandottes, two hens lost a week each because of broodiness.

To have at this time of year a good laying hen that wants to sit sometimes worries a poultry raiser. There are many methods of breaking a hen, such as "ducking" her in water, confining in a small dark pen, etc. These will sometimes prove successful and at other times failures. They require more time and are more trouble than the simple method that we are using at the Mail and Breeze Poultry Experimental Farm. Make a slat coop with slats on all sides

as shown in the illustration. It may be any size. A coop 2 feet wide by 3 long is a handy size and will hold a half dozen sitting hens nicely. A smaller coop, such as will hold one hen nicely, may be made out of crates that we get from the grocer, known as onion crates. Suspend it so it will swing easily, having it high enough from the ground that the confined hen can easily be reached and also can see the other hens passing at liberty. It should be given a swinging, if convenient, in passing. This swinging motion helps cure the broodiness, it is said, by reducing or cooling the fevered condition of the broody hen. It usually takes from three to five days. The hen is fed whole corn in a shallow pan and watered three times daily. This method is humane and does the work quickest.

Give Sitters Fattening Feed.

In breaking a broody hen an early beginning is important. After a hen sits a few days she is much harder to break. Also a broody hen loses weight all the time she is sitting and this makes necessary a more fattening feed than the regular laying ration. Whole corn is good. It is generally believed that a fattening feed helps to make a hen quit sitting earlier, although there is no proof of this.

Hens vary in the number of eggs they lay before they get broody. At the Poultry Experimental Farm, Band No. 5 (Buff Orpington) laid 20 eggs before going to sitting, Band No. 14, of the same variety, laid 24 eggs, Band No. 6 (White Wyandotte) laid 30 eggs. Number 6 is one of our best layers. It is asserted by some poultrymen that the indication of the heavy or light-laying quality of a hen may be told by the number of eggs she lays before she goes to sitting each time. That a heavy laying hen will lay a large number of eggs before she becomes broody, while a hen that is a light layer will only lay a few eggs. This is borne out by the three broody hens mentioned above. The White Wyandotte hen proved very resistant to the breaking operation. It was necessary to put her in the coop a second time.

Year's Income From a Few Turkeys.

Mr. Editor—Of all the turkey breeds I like the Bourbon Reds best. They are very gentle and never leave the farm. Last year I had seven hens and raised 81 turkeys that sold for \$125.

Mrs. James Galagan.

St. Paul, Kan.

Jefferson Fisher, Kanorado, Kan., R. 3, sends \$1 and writes: "We like the Mail and Breeze very much. We have taken it for a long time."



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

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

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

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Ducklings need a lot of green food to do well.

If the nest is deep, you may expect broken eggs.

Overfeeding kills more chicks than underfeeding.

The chicks hatched this month will become next fall's layers.

A few onions chopped up fine are good for the health of the young brood.

Inbreeding too closely is one of the causes of dead chicks in the shell.

Put a shovelful of ashes in the bottom of the nest box for the benefit of lice and mites.

Where outside brood coops are used they should be moved to new ground every few days.

Where the incubator stands perfectly level the heat will pass through the flues more evenly.

A kerosene bath for roosts and nest boxes every week or two will simplify the vermin problem through the summer.

Sulphur Fumes Better Than Sprays. [Prize Letter.]

Mr. Editor—We no longer whitewash or spray the inside of the poultry house to keep down vermin. Smudging with sulphur can be done in 15 minutes, is cheap and easy, and will get all the mites, lice and roup, cholera or other germs. I smudge the house on a still day by dampening a bunch of hay to keep it from blazing too much. This is put down in the house and about 1/4 pound of sulphur placed on it. Set it afire and cover with an old pan, then get out and close the house. Let the house get good and full of smoke and you will see no more mites for a long time.

Z. Peffley.
Eldorado, Kan.

Sketch of a Handy Brood Coop. [Prize Suggestion.]

Mr. Editor—After trying several we find the coop shown in the drawing, cheapest and handiest of all. It is easily cleaned, sanitary and rat proof, so far as a wooden coop can be made. Empty boxes from the drug store are best and strongest for the purpose. A sliding door is made on the open side as indicated. By boring several holes in the door it may be raised to any height desired by slipping a spike in above the slat. The rest of the front is covered with a wire netting or screen. When the chicks are too large for the coops, the coops are stored away in a dry place for the next season.

Mrs. R. Henzel.
Bern, Kan.

Protecting New Broods From Lice [Prize Letter.]

Mr. Editor—We hatch chicks under hens. To keep the lice down the hens are dusted three times with lice powder during incubation. As soon as the newly hatched chicks are dry all are herded together and when all are hatched each hen receives 15 or 20 to mother. The tops of the chicks' heads are closely watched. If any lice are noticed these are taken off with lice powder or a bit of grease. When about 24 hours old the chicks are fed cracked Kafir or oat flake, crushed egg shells for grit and some water. In a few days they can

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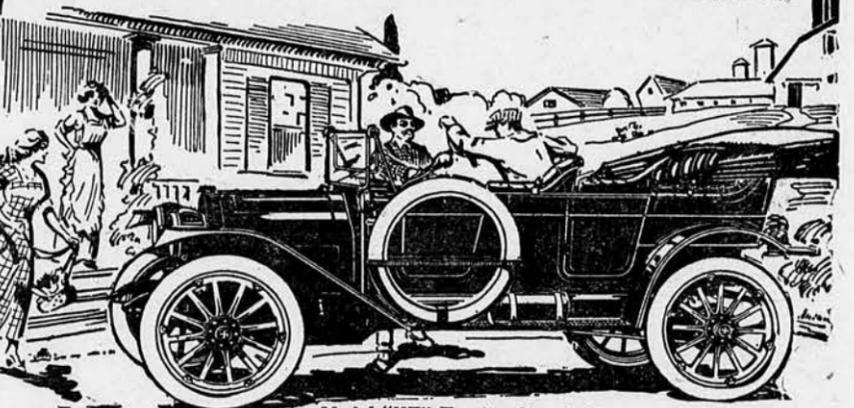
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Write us and we will bring the K-r-it out to your Farm.

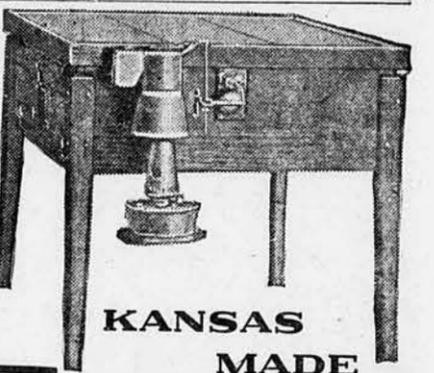


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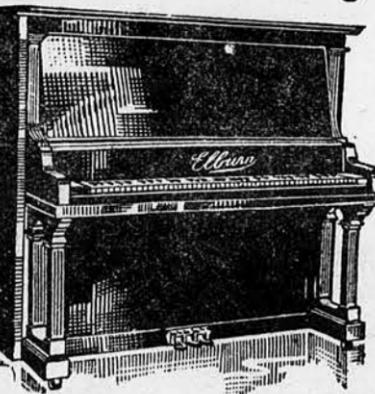
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(Signed) B. M. LITTLE, Supt. Lexington, Mo. Lexington Public Schools.

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

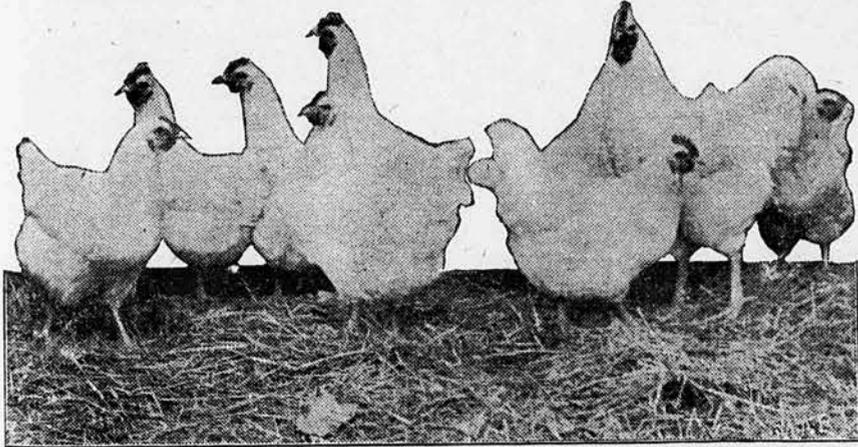
eat whole Kafir and corn chop, and in two weeks I give them some skim milk. As soon as the chicks are strong enough they are turned out with the hens except when the weather is bad. A large dry goods box with part of the south side out makes a nice coop and will hold the chicks until quite large. About every two weeks I grease the chicks on heads and under wings, and spray and clean the coops. This may seem like considerable trouble but is all well paid for. Mrs. Will Kowing, R. 1, Winfield, Kan.

Hatch Goslings During May.
[Prize Letter.]

Mr. Editor—I read the letters on goose raising and can add a bit from my experience. Never set goose eggs too early in the spring, as it is the early hatched goslings which die. The ground is too cold and damp for them and they are easily chilled. Grass and weeds are the best feeds for young goslings, in fact they must have them. They need little more than this until several weeks old. I give them water in a shallow pan at first which is all the water they have access to. Be sure they are in their coop when it rains as they drown as easily as a chick when young. I have the best luck with goslings hatched in May and up to the middle of June. You may think that is rather late to make a good, big goose by holiday time but if they are well fed in the fall they will weigh 10 pounds which is large enough for a good roast. I always put the eggs under a hen when possible. Don't handle the goslings any more than is absolutely necessary and do not take them away from the hen at all, or they will not stay with her when put in the coop. Topeka, Kan. Mrs. M. F. Carls.

Chick Raising on a Large Scale.

Mr. Editor—At the "Yesterlaid" Egg Farm the chicks are kept in flocks of 25 to 30 until all have learned how to eat. They are then placed in flocks of 50 to 60 each. We are careful that the chicks receive their food free from contamination by droppings or floor litter. A constant supply of clean, cool water, regular heat, and fresh air is maintained. During the first three weeks the hover room and feed room of the brooder are scrubbed and cleaned frequently, every other day during the first week.



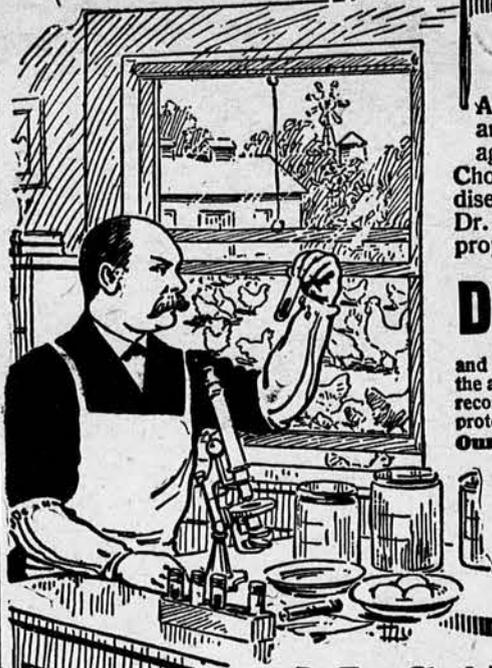
Pen of Nebraska White Rocks raised on a town lot. They are fine specimens of this popular all purpose breed.

The first feed consists of a mixture of boiled eggs, bran, and oat meal. The eggs are thoroughly ground, shells and all, and mixed with the meal and bran in such proportion that when they are rubbed together the moisture of the egg will be taken up by the other ingredients. This mixture is given every two hours the first day of feeding (five feeds.) Only as much of it is placed before the chicks as they will eat up quickly and greedily.

The chicks are not allowed out of doors until they are old enough to be immune to bowel trouble which might

To Prevent White Diarrhoea

Dear Sir: I was losing my young chicks last year by the dozen, when I noticed Walker's Walko Remedy recommended by a lady. I sent (M. O.) for two 50-cent packages to the Walker Remedy Co., L12, Lamoni, Iowa, and can say that it not only cured all the sick ones but checked and stopped the disease, White Diarrhoea; and I had fine luck with my later hatchings—raised practically all of them. Mrs. C. C. Jones, Blackwater, Mo.—Adv.



Young Chicks

At this time, when millions and millions of little chicks, turkeys and ducks will be incubated into the world, every available human agency will be employed to combat the deadly influences of Gapes, Cholera, Indigestion, Legweariness and hundreds of other fatal poultry diseases. Success depends upon your ability to conquer these diseases. Dr. Hess (M.D., D.V.S.), just twenty years ago, was puzzling over this same proposition and the prescription shown herewith is his solution. It represents

DR. HESS POULTRY PAN-A-GE-A

and no one can dispute the absolute, positive value of the remedy for the above-named poultry diseases, because the best authority on earth recommends them. Don't lose your flock after it arrives—insure and protect the lives of your little chicks with poultry Pan-a-ge-a. **Our Proposition.** Feed Poultry Pan-a-ge-a all spring and summer. If you are not satisfied beyond a shadow of doubt that it has cured your chicks of gapes, cholera, legweariness and the like, the dealer is required to refund your money. 1 1/2 lbs. 25c. (mail or express prepaid, 40c); 5 lbs. 60c; 12 lbs. \$1.25; 25-lb. pail \$2.50. Except in Canada and the extreme West.

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Dr. Hess Poultry Pan-a-ge-a contains:
Potassium Nitrate. An Eliminator.
Nux Vomica. A Nerve Tonic and Stimulant.
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Iron (Red Oxide). A Blood Builder.
Carbonate of Lime. An Antacid and shell forming.
Sodium Chloride. An Appetizer and Cleanser.
Under the supervision of Dr. Hess (M.D., D.V.S.) the above is carefully compounded and blended with just enough cereal meal to make a perfect mixture.

Dr. Hess Stock Tonic puts horses, cattle, hogs and sheep in the pink of condition. After the long winter on dry feed stock need a tonic. Besides, Dr. Hess Stock Tonic saves feed by increasing digestion. By the old methods of feeding stockmen had to let the hogs follow the steers in order to save some of the grain wasted through non-digestion. It is possible to save a part of this by strengthening the digestive organs. Sold on a liberal money-back guarantee. 100 lbs. \$5.00; 25-lb. pail \$1.60 (except in Canada and extreme West and South). Send 2c for Dr. Hess Stock Book.

FREE. Dr. Hess (M.D., D.V.S.) will at any time prescribe for your ailing animals free of charge if you will send him full details. Mention this paper and send 2c stamp. 96-page Veterinary Book also free.

INSTANT LOUSE KILLER KILLS LICE

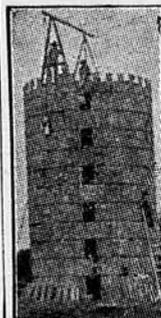
be brought about by exposure to morning dews and the hot sun. They are supplied all the green food they will eat beginning the first week, beets, turnips, onions and lawn clippings, being fed. Pacific, Mo. W. C. Patent.

Keeping Chickens in Town

Chicken keeping on a town lot has grown to such proportions that it has become a big industry in itself. The small space required, little capital needed for a start, and quick profits, appeal to the man in town who needs just some-

Build a Cement Stave Silo

It never blows down—never cracks by cold or heat.



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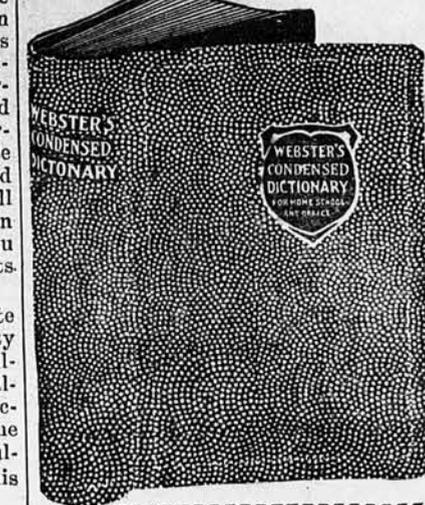
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Dear Sir: I desire to accept your special offer and enclose herewith \$2.00, to pay for 3 years' subscription to Farmers Mail and Breeze, and you are to send me, prepaid, one leather-bound "Webster's 825-Page Dictionary" as per your offer.

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R. F. D.

State

The picture shows a flock of White Rocks belonging to photographer Marty of Wymore, Nebr., who is making poultry keeping in town pay out. The quality of his birds shows that he is succeeding at the business. He has the first and main requisite in making poultry pay out, namely—a fondness for his flock and concern for their comfort.

Reliable Poultry Breeders

ORPINGTONS.

PURE BRED Buff Orpington eggs. \$1.00 for 15. C. O'Roke, Fairview, Kan.

S. C. BLACK ORPINGTON eggs, \$2.00 per 15. J. L. Carmean, Neosho Falls, Kan.

WHITE ORPINGTONS (Kellerstrass strains). Eggs \$1.50 per 15. Dr. Newsome, Iola, Kan.

SINGLE COMB BUFF ORP. eggs \$5 per 100. Or incubator lots. Flora Watson, Altoona, Kan.

SINGLE COMB Black Orpington eggs, \$1 per setting, \$5 per 100. Mrs. Marie Lutz, Netawaka, Kan.

GOLDEN BUFF Orpington Cockerels \$3.00 each. Eggs \$5.00 per 13. Dr. Pierson, Spring Hill, Kan.

BEST OF SEASON, eggs from large White Orpingtons, 15 \$1.00, 100 \$5.00. Mrs. Helen Lill, Mt. Hope, Kan.

KELLERSTRASS White Orpington eggs, 15 \$1.00. Parcel post 100 \$4.00. Mrs. John Jevons, Wakefield, Kan.

S. C. B. ORPINGTONS. Owen strain. Large, good color. Eggs \$1.00 per 16. Mrs. J. Drennan, Liberty, Kan.

SINGLE COMB Golden Buff Orpingtons. Cook's strain. 30 eggs \$1.75, 100 \$4.75. White House Poultry Farm, Salina, Kan.

EGGS from White Orpington pen direct from Kellerstrass, \$2 per 15, balance season. Mrs. Fred Smith, Ogallah, Kan.

FOR SALE—Kellerstrass White Orpington eggs. First pen \$3.00; second \$2.50; third \$1.50. Orpington Yards, Argonia, Kan.

S. C. BUFF ORPINGTONS. Eggs from Cook's best (direct). My usual guarantee. E. L. Bargdoll, specialist, Chillicothe, Mo.

BUFF ORPINGTONS and Rose Comb Brown Leghorns. Stock and eggs. Prices reasonable. Clarence Lehman, Newton, Kan.

HIGH CLASS Buff and Black Orpingtons. Winners K. C. International. Eggs reasonable. Mating list free. C. A. Scoville, Sabetha, Kan.

EGGS FOR HATCHING from heavy laying strain Crystal White Orpingtons. Farm raised. Prices reasonable. Gustaf Nelson, Falun, Kan.

BUFF ORPINGTONS. Prize winners. 12 firsts and two silver cups at two shows. Splendid layers. Catalogue ready. August Petersen, Churdan, Ia.

FOR SALE. Prize winning Single Comb Buff Orpingtons from \$12 and \$20 Cook Orpingtons, \$1 and \$3 per setting. Clara Colwell, Smith Center, Kan.

EGGS FOR HATCHING from heavy laying strain, prize winning, Crystal White Orpingtons, reasonable. Catalog free. P. H. Anderson, Box M-53, Lindsborg, Kan.

SINGLE COMB BUFF ORPINGTONS—Well mated birds; excellent type and color; prize winners; heavy layers; 15 eggs \$1.50, 30 \$2.50. John Tuttle, Princeton, Mo.

GERTRUDE GEE'S Gold Nugget strain S. C. Buff Orpingtons. Winners sixty premiums, two silver cups. Farm range; no pens. Eggs \$1.50 per 15. Winfield, Kan.

COOK STRAIN Single Comb Buff Orpingtons. Extra good layers. Eggs. Special mating \$3 per 15. From farm range flock \$1 per 15, \$6 per 100. Satisfaction guaranteed. Frank Fisher, Wilson, Kan.

DON'T OVERLOOK OVERLOOK FARM. Buff, White, Black Orpingtons. Won 99 premiums at Omaha, Kansas City, Sedalia, Lawrence, Hutchinson and Topeka. Eggs from nine mated pens. Pens No. 1, No. 2 and No. 3 at \$7.50, \$5.00 and \$3 per 15 eggs. Get my big mating list. After May 25th eggs half price. Stock for sale reasonable. Send for prices on pens of choice breeders. Chas. Luengene, Prop., Box B149, Topeka, Kan.

ANCONAS.

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

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

MOTTLED ANCONAS. Eggs \$1.50 per 15 or \$8.00 per 100. Also stock. G. W. Skinner, Baxter Springs, Kan.

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

HAMBURGS.

SILVER SPANGLED Hamburg eggs \$3.00 per 13. Dr. Pierson, Spring Hill, Kansas.

SILVER SPANGLED HAMBURGS. Eggs \$2.00 for 15. Mitchell Shelley, Cordova, Neb.

R. C. SILVER SPANGLED HAMBURG eggs, \$2.00 per 15. J. L. Carmean, Neosho Falls, Kan.

SPANISH.

WHITE FACE BLACK SPANISH eggs for hatching, 15 \$1.00, 30 \$1.80. A. W. Swan, Centralia, Kan.

POLISH.

WHITE CRESTED BLACK POLISH eggs, \$2.00 per 15. J. L. Carmean, Neosho Falls, Kan.

CORNISH.

CORNISH eggs; scored and unscored; mating list ready. D. P. Neher, McCune, Kan.

BABY CHICKS.

BABY CHICKS. 6,500 Red, Orpington, Leghorn, Barred Rocks, eggs set. Only 9 cents each. 4,100 chicks from prize winning stock. Guaranteed. Colwell's Hatchery, Smith Center, Kan.

Reliable Poultry Breeders

WYANDOTTES.

BUFF WYANDOTTE eggs, \$1 setting. Mrs. Chas. Hough, Weston, Ia.

WHITE WYANDOTTES. Eggs \$4 100. Mrs. M. F. Austin, Miltonvale, Kan.

SILVER WYANDOTTE eggs and chicks. Carrie Thompson, Cimarron, Kan.

WHITE WYANDOTTE eggs, 15 \$1.00, 100 \$4.00. A. W. Hargreaves, Abilene, Kan.

GOLDEN WYANDOTTE eggs \$1.00, \$2.00, \$3.00 per 15. Ida Hodge, Phillipsburg, Kan.

SILVER WYANDOTTES, prize winners; 100 eggs \$5.00. Mrs. J. W. Gause, Emporia, Kan.

BUFF WYANDOTTE hens and roosters one dollar each. James Hollister, Quincy, Kansas.

SILVER LACED WYANDOTTE eggs, \$1.00 15, \$5.00 100. Alvin Tennyson, Miltonvale, Kan.

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

WHITE WYANDOTTES exclusively. Eggs, \$4.50, 30 \$1.75. Mrs. Will Beightel, Holton, Kan.

CHOICE White Wyandottes (Keeler-Dustins). Eggs 5c each. Mrs. C. E. Robenstein, Colony, Kan.

SILVER LACED WYANDOTTES. Eggs, \$1.00 15, \$5.00 100. Mrs. W. R. Stump, Blue Rapids, Kan.

WHITE WYANDOTTES. Winners wherever shown. Eggs, 15 \$1, 50 \$2.50. Ira Abbey, Pleasanton, Kan.

COLUMBIAN WYANDOTTES. Select matings. Eggs, \$2.00 per 15. B. F. Martin, Dodge City, Kan.

WHITE WYANDOTTE eggs, 15 75c, 100 \$3.50. More special price. Ideal Poultry Yards, Wayne, Kan.

PURE BRED White Wyandottes. Fishel strain. Eggs \$1.00 15, \$5 100. Alice M. Barnes, Atlanta, Kan.

PURE PARTRIDGE WYANDOTTES. Eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. Mrs. L. M. Ayers, Centralia, Kan.

WHITE WYANDOTTES—Eggs from choice matings, \$1.50 per 15, \$5.00 per 100. Manhattan, Kan. Mrs. L. D. Arnold.

FARM RAISED Silver Wyandottes. Eggs \$1 15, \$5.00 100. Baby chicks \$10 per hundred. Julia Haynes, Baileyville, Kan.

WHITE WYANDOTTE eggs 15, for 75c., \$4.00 per 100. Special price on larger numbers. Mrs. H. G. Stewart, Tampa, Kan.

WHITE WYANDOTTE eggs from large, blocky, farm raised prize winners. 100 \$4, 30 \$1.50. Mrs. J. M. Bullock, Winfield, Kan.

WHITE WYANDOTTES, Houdans, Indian Runner ducks. Eggs for hatching from prize winning stock. Mrs. D. T. Smith & Sons, Burns, Kan.

COLUMBIAN WYANDOTTE eggs \$1.60 per 15 delivered. Safe delivery guaranteed by parcel post. Address Walter Hogue, Fairfield, Neb.

WHITE WYANDOTTE chix and eggs. Infertile eggs replaced, also any loss in chix. 13 years' experience. Mrs. M. E. Johnson, Humboldt, Kan., R. No. 2.

WHITE WYANDOTTES, 219 egg strain. Silver cups Mo., Kan. State Shows; Sedalia. Males scored 95%, females 96%. Eggs \$1.00 15. Whiprecht Bros., Sedalia, Mo.

SILVER LACED Wyandottes exclusively 16 years a breeder, eggs from choice matings \$2.00 per 15. Utility stock \$1.00 per 15. W. A. Hunter, Manhattan, Kan.

SILVER LACED WYANDOTTES—Eggs, 15 \$1.00, 100 eggs \$5.00. I guarantee 60 per cent hatch or will duplicate order at half price. F. W. Bethke, Lebo, Kan.

"PLX" BUFF WYANDOTTES—Prize winners. Breeding stock; baby chicks; eggs for hatching. Prices right. Write for mating list now. Geo. B. Pickering, Olathe, Kan.

SILVER LACED WYANDOTTES—Eggs, 15 \$1.00; 100 eggs \$5.00. I guarantee 60 per cent hatch or will duplicate order at half price. Write for circular or order direct. S. B. Dressler, Lebo, Kan.

FOR SALE—Fine thoroughbred White Wyandotte eggs for hatching, fertility guaranteed. \$1.00 a setting, \$5.00 a hundred. Carefully packed. Mrs. H. S. Tonnemaker, R. F. D. No. 2, Beatrice, Neb.

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

LIGHT BRAHMAS.

MAMMOTH Light Brahmans. Mating list free. Mrs. J. F. O'Daniel, Westmoreland, Kan.

EVERY LIGHT BRAHMA breeder knows my flock needs no better recommendations than their sweeping winnings in every state show. Then send for eggs and raise the same at \$2, \$3, \$5 for 15. Out of 2 and 3 pen \$7 for 100. A few cockerels left yet. Mrs. J. R. Kenworthy, Wichita, Kan.

BUFF COCHINS.

BUFF COCHIN eggs \$2.00 and \$3.00 per 15. Mrs. L. O. Housel, Smith Center, Kan.

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

Reliable Poultry Breeders

LEGHORNS.

FINE S. C. W. LEGHORN eggs, \$5 100. Geo. Patterson, Lyndon, Kan.

PURE BRED S. C. W. Leghorn eggs, \$4.50 per 15. Adolph Berg, McPherson, Kan.

SINGLE COMB BROWN LEGHORNS. Eggs 100 \$4. Mrs. Mattie Story, Cleo, Okla.

PURE Single Comb Brown Leghorns. Eggs, 100 \$3.00. Mrs. H. Wohler, Hillsboro, Kan.

SINGLE COMB BUFF LEGHORN eggs, 15, \$1.00; 100, \$5. Emery Babb, Wakefield, Kan.

SINGLE COMB WHITE LEGHORN eggs, \$5.00 per 100. Mrs. Mary Helm, Topeka, Rt. 5.

EVANS'S SPECIALS S. C. Brown Leghorn eggs, 100 \$4.50. Mrs. D. M. Evans, Edgerton, Kan.

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

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

SINGLE COMB WHITE LEGHORNS exclusively. Eggs, 100 \$5.00. Hattie Roth, Milton, Kan.

SINGLE COMB BROWN LEGHORNS. None better. 100 eggs \$3.50. Mrs. Kenyon, Tyrone, Okla.

EGGS from S. C. Brown Leghorns, \$1.00 for 15, \$4.00 per 100. H. N. Holdeman, Meade, Kan.

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

THOROUGHBRED S. C. Brown Leghorn eggs \$3 per 100. Hulda Kearns, Girard, Kan., Route 2.

S. C. BUFF LEGHORNS, State Show winners. Eggs. Circular free. Hillcrest Farm, Blackwater, Mo.

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

ROSE COMB WHITE LEGHORN eggs \$1.00 setting, \$4.00 per 100. Cora Chittenden, Liberal, Kan.

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

PURE BROWN ROSE COMB LEGHORN eggs 3 1/2 cents each; 100 \$3.50. Laura A. Hazen, Hollis, Kan.

IF YOU want egg producers write for my mating list. S. C. W. Leghorns. A. L. Buchanan, Lincoln, Kan.

ROSE COMB Brown Leghorns. Kulp's strain. Eggs 75 cts. 15, \$3.50 per 100. Otto Borth, Plains, Kan.

S. C. WHITE LEGHORN eggs, \$1.00 per 15. White Orpington, \$1.50. Chas. S. Borden, Circleville, Kan.

S. C. BUFF LEGHORNS. Eggs from choice birds, 30 \$2.00, 100 \$4.50. J. A. Reed, Route 2, Lyons, Kan.

EGGS from choice pure bred Rose Comb Brown Leghorns, 15 \$1.00, 100 \$5.00. J. J. Goetz, Cunningham, Kan.

S. C. WHITE LEGHORNS. Free range; great layers. Eggs, 100 \$3.00, 13 75c. C. B. Wilson, Burlingame, Kan.

SINGLE COMB White Leghorns exclusively. 15 eggs \$1.00; 50, \$3.00; 100, \$5.00. R. E. Davis, Holton, Kans., Route 5.

SINGLE COMB BROWN, of which you will not be ashamed. Hundred eggs \$3.50. Pure bred. Carl Haug, Galena, Kan.

EGGS FROM PURE BRED S. C. White Leghorns. \$3.00 per hundred. Extra fine stock. Harry Givens, Madison, Kan.

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

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

SINGLE COMB BROWN LEGHORNS. Choice stock; farm raised. Eggs \$1.00 per 15, \$5.00 per 100. Mattie Ulm, Kincaid, Kan.

ROSE AND SINGLE COMB Brown Leghorns. Winners. Eggs, 75c per 15, \$4.00 per 100. Mrs. Ida Standiford, Reading, Kan.

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

S. C. BUFF LEGHORNS. Shape and color specials and silver cup won wherever shown. Eggs, 15 \$1.00, 100 \$4.00. Geo. Dorr, Osage City, Kan.

ROSE COMB BROWN LEGHORN range stock. Eggs \$3.00 per hundred, 75c per setting. Safe delivery guaranteed. O. C. Haworth, Fowler, Kan.

FOR SALE—Prize winners, Single Comb White Leghorns, \$5 to \$25 each. Eggs 5c; chicks 10 cents. Guaranteed. Clara Colwell, Smith Center, Kan.

EGGS from pure bred White Leghorns. Both combs. Cut prices. Fine stock. 16 \$1.00, 100 \$4.00. Satisfaction guaranteed. R. J. Edgar, Dodge City, Kan.

DORR'S prize Rose Comb White Leghorns, grand champion silver medal winners. Eggs \$1.00 per 15, \$5.00 per 100. A. G. Dorr, Osage City, Kan., Route No. 5.

ROSE COMB BROWN LEGHORNS, Kulp's 242 egg strain. Winners first pen Hutchinson, 1913. Eggs \$1.00 15; \$5.00 100. Infer-tiles replaced once. (Golden Seabright Bantams.) A. B. Boylan & Co., Laklin, Kan.

Reliable Poultry Breeders

LEGHORNS.

SINGLE COMB BROWN LEGHORN eggs. Henry Ketter, Seneca, Kan.

SINGLE COMB BROWN LEGHORNS. Standard birds. Farm ranged, vigorous, extra heavy layers. Eggs \$4.00 per 100. Mrs. J. A. Jacobs, Manchester, Okla.

S. C. BROWN LEGHORNS. Eggs, 15 \$1, 105 \$5.00. Pure bred; safe delivery; satisfaction guaranteed. A. B. Haug, Centralia, Kan. Ship from Centralia or Seneca.

PRIZE WINNERS. S. C. Buff Leghorns. 100 eggs \$4.00, 15 75 cts. Baby chicks 10c. Indian Runner ducks, light fawn and white, 13 eggs \$1.00. Ella Beatty, Lyndon, Kan.

SINGLE COMB BROWN LEGHORNS exclusively for 10 years. High-scoring, heavy laying strain. None better. Eggs at farmer's prices. J. F. Cradall, Barnes, Kan.

S.C.W. LEGHORNS. My specialty 24 years. Snow white, persistent layers, vigorous, beauties and debt payers. Eggs, \$1.50 for 15; \$5 per 100. Geo. S. Phillips, Tecumseh, Neb.

YOUNG'S STRAIN Single Comb White Leghorn eggs, from large, white birds scoring 94 and above. Four grand matings, \$1 \$2, \$3 and \$4 per 15. Wm. A. Sanford, Manhattan, Kan.

ROSE COMB WHITE LEGHORN eggs for sale. From Pen No. 1 \$3.00 for 15 or \$4.00 for 30; Pen No. 2, \$1.50 for 15 or \$2.00 for 30; Pen No. 3, \$1.00 for 15 or \$1.50 for 30. Mrs. W. E. Masters, Manhattan, Kan.

WHITE RUNNERS and Single Comb White Leghorns. Eggs from trapnested stock cheaper than asked for. Guess-work breeding. Free catalog, pictures of Runners and Leghorns. Send for it. Jas. R. Snyder, Box T, Frazer, Mo.

DUCKS.

WHITE INDIAN BUNNER ducks, 13 eggs \$3.00. B. F. Graff, Erie, Kan.

RUNNERS, Fawn and White. Eggs, \$1.00 per 15. Mae Paup, Carrollton, Mo.

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

INDIAN RUNNER duck eggs \$1 for 15; white eggs. W. T. Maynes, Densmore, Kan.

INDIAN RUNNER ducks. Eggs, twenty for dollar. Munnimaker Poultry Co., Crothersville, Ind.

LARGE PEKIN ducks; fine layers. Eggs \$1.00 per 11. Mrs. S. W. Hellman, Pleasanton, Kan.

INDIAN RUNNERS, Buff Rocks. Standard stock. \$1 and \$2 settings. Geo. Wasson, Anness, Kan.

25 EGGS for \$2. English Indian Runner ducks. Brooks strain. Circular. Paul Grill, Ellsworth, Kan.

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

INDIAN RUNNERS, fawn and white; white eggs, \$1.00 12, \$5.00 100. Mrs. Robt. Whitesell, Clearwater, Kan.

PRIZE WINNING Indian Runner, Fawn and White, ducks. Pure white eggs, 15 for \$1.00. Minnie Miller, Kincaid, Kan.

PURE WHITE MUSCOVY ducks, something fine, \$2.50 per pair. Eggs \$1.50 per setting. S. H. Lenhart, Abilene, Kan.

FAWN AND WHITE Indian Runner duck eggs. English Walton strain. \$1.25 per setting. \$8.00 per 100. Lotta Lisk, Lenexa, Kan.

FAWN INDIAN RUNNERS and Buff Orpington ducks; genuine white egg strains. Circular. Hillcrest Farm, Blackwater, Mo.

WHITE AND FAWN, white egg strain, Indian Runner ducks. Eggs \$1.00 for 13. Mrs. F. W. Bertschinger, Lecompton, Kan.

TRUE LIGHT fawn and white Indian Runners. Circular free. White eggs 15, \$1.50; 50, \$4.00. R. Harrison, Jewell, Kan.

INDIAN RUNNER duck eggs, English strain. Prize winners at American Royal, K. C., Mo., 1911-12. Geo. E. Hobson, Pittsburg, Kan.

INDIAN RUNNERS of quality. American Standard Light Fawn and White. Eggs \$1.50 and \$2.00 per 15. Dr. E. H. Kilian, Manhattan, Kan.

INDIAN RUNNER eggs \$1.00 per 13, \$3 per 50, \$6 per 100. American Standard fawn and white. White eggs. Pearl Wertzeberger, Alma, Kan.

HIGHCLASS INDIAN Runners. White eggers. American Standard and pure English type. Eggs \$1.00 to \$5.00 per 15. Free circular. Lillie Greve, Earlton, Kans.

INDIAN RUNNER ducks, light fawn and white. High scoring, good layers. Absolute white egg strain. Eggs, 13 \$1.50, 26 \$2.50, 50 \$4.00. Olive Baker, Fredonia, Kan.

NOW IS THE TIME to get a start with the famous Indian Runners. Light fawn and white and English Pencilled. Eggs 15 for \$1, 100 for \$5. Mrs. Ed Bergmann, Route 9, Paola, Kan.

FAWN AND WHITE RUNNERS. White eggs. Won 3 blue ribbons State Show, 1913. Per 15, \$1.50. Pen 2, \$1.00. Rose Comb Reds, excellent stock, 15 \$1. Julia Little, Conway Springs, Kan.

FAWN AND WHITE Indian Runners, white eggs. Fard A. exhibition quality, \$2.00 per 15; yard B, \$1.25 per 15, \$3.50 per 50, \$6.00 per 100. Pure White Runners, eggs \$3.00 per 12. Free circular. Stover & Myers, Fredonia, Kan.

INDIAN RUNNER ducks, both English and American Standard fawn and white. Eggs \$1.50 per 13. White Holland turkey eggs \$2.50 per 11. R. C. Rhode Island Reds \$1.00 per 15. Mrs. V. A. Stewart, Morganville, Kan.

Reliable Poultry Breeders

RHODE ISLAND REDS.

SINGLE COMB RED eggs, \$3.00 100, W. P. McFall, Pratt, Kan.

ROSE COMB RED eggs, \$4 per hundred. Frank Stettinich, Bremen, Kan.

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

SINGLE COMB REDS, 100 pen eggs \$5.00. Gertrude Haynes, Meriden, Kan.

S. C. RED eggs, 100 \$4.00; pen, 15 \$1.50. Mrs. Allie West, Box 315, Garnett, Kan.

EXTRA FINE Rose Comb Red eggs, \$4.00 per 100. Mrs. Leslie Joss, Pauline, Kan.

ROSE COMB RHODE ISLAND RED eggs, 75c, \$1.50 15. Frank Tuttle, Chanute, Kan.

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

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

S. C. R. I. REDS exclusively. Eggs, \$1.00 per 15, \$5.00 per 100. Mrs. Chas. Jones, Mulhall, Okla.

THOROUGHbred R. C. R. I. Red eggs, \$1.00 per 15 or \$5.00 per 100. W. W. Edson, Kendall, Kan.

ROSE COMB RHODE ISLAND RED eggs \$1.00 per setting. \$5.00 hundred. Lotta Lisk, Lenexa, Kan.

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

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

ROSE COMB R. I. REDS, 75 cts. per 15. \$3.50 per 100. Good utility stock. Adda Walker, White City, Kan.

REDUCTION! Rose Comb Red eggs from entire flock \$4.00 per 100. Chicks 20c. Mrs. Abbie Rientlets, Pratt, Kan.

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

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

ROSE COMB Rhode Island Red eggs from prize winning stock at \$5.00 per hundred. Mrs. A. W. Haug, Onaga, Kan.

F. B. SEVERANCE, Lost Springs, Kan. Breeder of Rose and Single Combed Rhode Island Reds. Free mating list.

PRIZE WINNING Single Comb Reds. Eggs reduced to \$2.00 per 15. Mating list free. Chas. Lentz, Atchison, Kan.

FOR SALE—Pure bred Single Comb Red eggs, 15 for 75c, 100 for \$5.00. Mrs. Clara Helm, R. F. D. No. 8, Topeka, Kan.

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

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

THOROUGHbred Single Comb Reds. Eggs, \$1.00 per 15, \$3.00 per 50, \$5.00 per hundred. Florence Williams, Olivet, Kan.

SINGLE COMB REDS, best blood, first prize winners wherever shown. Cockerels and eggs for sale. J. B. Hunt, Oswego, Kan.

ROSE COMB RED eggs, \$1, \$1.50, \$2.00 per 15; \$4.50 per 100. Half price after May 15. Mrs. Alice Clinkenbeard, Wetmore, Kan.

SINGLE COMB REDS, direct from two of the best strains in America. Eggs \$1.50 and \$3.00 for fifteen. Mrs. I. L. Lafferty, Fredonia, Kan.

SIBLEY'S prize winning strain dark rich red R. C. Reds. Eggs, 15 \$1.25, 30 \$2.00, 50 \$3.00, 100 \$5.00. Nora Luthye, North Topeka, Kan., Rt. No. 6.

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

FOR SALE—World's prize winner Rhode Island Reds, Rose Comb, \$2 to \$25. Eggs 5 cents; chicks 15 cents. Guaranteed. Clara Colwell, Smith Center, Kan.

PURE BRED Rose Comb Rhode Island Reds exclusively. Eggs from range flock \$4.00 for 100, \$1.00 for 15. Pen, \$2.00 for 15. Howard Vail, Marysville, Kan.

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

ROSE COMB REDS, all yearling hens, Miller and New Combs strain. Free range. 45 eggs \$1.50, \$3.00 100. Guaranteed 80 per cent fertile. James A. Harris, Latham, Kan., Box 65.

ROSE COMB RHODE ISLAND REDS exclusively. Carefully mated, line bred six years with proper introduction of new blood. Write for prices on eggs and chicks. Walter R. Meeker, Erie, Kan.

R. C. RED eggs. Pens mated to 4 grand Buschmann-Pierce roosters, sons of Wildfire 2nd, first pen cock Chicago, 1912, he by the \$2,500.00 Wildfire; other pens headed by as well bred roosters. 15 eggs \$1.50; 30, \$2.50; 50, \$4. Range flock, 50 \$2. W. R. Huston, Americus, Kan.

STOVER & MYERS, Rose Comb Reds, choicest quality. Winning 28 ribbons at Oswego, Tulsa, Fredonia and Kansas State Show. Eggs cheapest in West, quality considered; Yard A. & B. \$3.00 per 15; C. & D. \$1.50 per 15; Yard E. \$4.00 per 100. Free circular. Fredonia, Kan.

Reliable Poultry Breeders

PLYMOUTH ROCKS.

BUFF ROCK eggs, 15 \$1, 100 \$5. H. H. Carson, Muncie, Kan.

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

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

WHITE ROCK eggs 7c each. 10 years a breeder. James Jensen, Kinsley, Kan.

BUFF ROCK EGGS \$2.25 per 50; \$1.00 per 15. J. H. Mellenbruch, Morrill, Kan.

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

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

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

BARRED ROCK eggs, 15 \$1.50. Extra fine quality. Write Milton Delhl, Lawrence, Kan.

SINGLE COMB Rhode Island Red eggs, \$1.50 per 15. J. L. Carmean, Neosho Falls, Kan.

BUFF ROCK eggs, \$1.00 for fifteen, \$4.00 per hundred. Mrs. S. H. McNeeley, Cedar Vale, Kan.

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

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

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

BARRED ROCKS. Fine, vigorous farm flock. 50 eggs \$2. Mrs. Ernest Rowe, Jewell, Kan.

BIG BONED, yellow legged Barred Rocks, 15 eggs \$1.00, 100 \$5.00. Mrs. L. A. Poteet, Butler, Mo.

PLYMOUTH ROCK eggs for sale at \$1.00 per setting, \$3.00 per 100. Ernest Peters, Lorraine, Kan.

BAKER'S BARRED ROCK eggs, 15 \$1.00, 100 \$5.00. Dave Baker, R. No. 2, Conway Springs, Kan.

BARRED ROCKS, big boned, fine barred. \$1.00 15, \$4.00 100. Mrs. Wm. Sluyter, Jewell, Kan.

PARTRIDGE ROCKS—16 eggs \$1.25, hens \$1.50 each, chicks 20 cts. Stella Weigle, Winfield, Kan.

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

100 BUFF ROCK eggs \$4.00. From pens \$1.50 and \$3.00 per 15. Mrs. M. E. Stevens, Humboldt, Kan.

WHITE ROCK baby chicks, 12 cts. each. Incubators going now. Mrs. Geo. Woodworth, Route 2, Lebanon, Kan.

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

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

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

WARRENBURG'S Barred Rocks. Eggs, 15 \$3.00, 100 \$12. Quality makes price. O. Warrenburg, Centralia, Kan.

BARRED ROCK eggs. Prize winning stock. \$1.50 for 15, \$7.00 per 100. Star Breeding Farm, Elk City, Kan.

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

WHITE PLUME POULTRY FARM, Bogue, Kan. White Rocks, baby chicks, eggs; White H. turkeys, White Pekin ducks.

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

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

FOR SALE. Thor. White Plymouth Rock settings. 50c a setting or \$3.00 a hundred. Mrs. L. S. Whitney, Fairview, Kan.

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

PURE BRED Barred Rocks exclusively. Eggs 50 cts. per 15, \$2.50 per 100. Mrs. Jessie Seabloom, Stockton, Kan.

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

INIMITABLE White Rocks. Great prize winners. Range eggs selected, hundred \$5.00. Special matings, on application. Win everywhere. Select breeding pens, \$10.00. Sidney Schmidt, Chillicothe, Mo.

BUFF ROCK eggs. Two pens selected hens and pullets. Fine cklis., one direct from Poley. Pen eggs as they come \$2.00 per fifteen. Range flock \$1.00 per fifteen, \$5.00 per hundred. Herbert H. Smith, Smith Center, Kan.

BARRED ROCKS—68 premiums. Topeka, Manhattan, Clay Center, Denver, 24 regulars, 9 firsts, 4 specials in the show season. Eggs, 15 \$3.00, 30 \$5.00. Utility, 12 premiums, 15 \$1.25, 60 \$4.00, 100 \$6.00. Mrs. D. M. Gillespie, Clay Center, Kan.

Reliable Poultry Breeders

PLYMOUTH ROCKS.

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

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

BARRED ROCK eggs; fine exhibition matings; fifteen eggs \$3.00, 30 eggs \$5.00. Frank McCormack, Morrowville, Kan.

WAGNER'S BARRED ROCK prize winners; eggs \$1.50, \$2.00. Write for mating list. Mrs. E. C. Wagner, Holton, Kan.

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

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

WHITE PLYMOUTH ROCK eggs for sale from prize winners. Splendid layers. \$1.00, 15; \$5.00, 100. W. K. Trumbo, Roseland, Kan.

BIG TYPE blue Barred Plymouth Rocks. Fine birds, none better. Eggs, 15 \$1.00, 100 \$5.00. Mrs. T. B. Mitchell, McPherson, Kan., R. No. 5.

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

BARRED ROCK eggs. Cockerels from choice scored stock; red eyes, yellow beaks and legs. Latham strain. Mrs. H. Schmidt, Humboldt, Kan.

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

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

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

BARRED PLYMOUTH ROCKS exclusively—Ringlet strain; good layers, rich color, fine, narrow, regular barring to the skin and good size. \$2 per 15 eggs. L. P. Coblenz, La Harpe, Kan.

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

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

WHITE ROCKS, pure white, big boned, farm raised. Baby chicks 15c a piece by the 50 or 100, 20c a piece by the doz. Eggs \$1.00 for 15, \$2.50 for 50, \$5.00 for a hundred. Good laying strain. Prize winners. B. E. Miller, Newton, Kan.

LANGSHANS.

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

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

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

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

BLACK LANGSHANS. Eggs, 15 \$1.25, \$1.50, by parcel post. Baby chicks 15 cents. Mrs. J. B. Stein, Smith Center, Kan.

BLACK LANGSHANS EXCLUSIVELY. Cockerels from stock scoring 96. Eggs in season. Mrs. D. A. Swank, Blue Mound, Kan.

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

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

BIG BONED, greenish glossy, black eyed Black Langshans, scored 92 to 96; eggs \$3 for 25, guaranteed; cockerels \$3.00 each. H. Osterfoss, Hedrick, Iowa.

EGGS FOR SALE. White Langshan, \$2.00 per 15. Black Langshan, Pen No. 1 headed by second prize cockerel at Kansas City Royal, \$2.50 per 15; Pen No. 2; \$1.50 per 15. Frank A. Vopat, Lucas, Kan.

TURKEYS.

WHITE HOLLAND turkey eggs 20c each. Frank Darst, Fredonia, Kan.

MAMMOTH BRONZE eggs 25 cts. each. Carrie Thompson, Cimarron, Kan.

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

WHITE HOLLAND turkey eggs, \$2.25 per 11. Mrs. Ellen Finney, St. Marys, Kan.

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

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

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

Reliable Poultry Breeders

MINORCAS.

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

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

S. C. WHITE MINORCA EGGS. Eggs from these pure bred everlasting layers at \$2 per 15. Write for information to A. R. Goodwyn, Minneapolis, Kan.

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PEARL WHITE GUINEA eggs, \$2.00 per 15. J. L. Carmean, Neosho Falls, Kan.

SEVERAL VARIETIES.

LIGHT BRAHMA, White Wyandotte, Runner duck, Bronze turkey eggs. Emma Ahlstedt, Roxbury, Kan.

ROSE COMB REDS, Silver Laced Wyandottes. Eggs 17, \$1, 100, \$5. Mrs. Ola Elliott, Delphos, Kan.

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

PURE BRED Buff Rock and Single Comb White Leghorn eggs, 15 for \$1.00, 100 for \$5.00. Gus Freeberg, McPherson, Kan.

S. C. BUFF LEGHORNS, Blue Andalusians. Eggs, \$1.25 to \$5.00 15; \$5.00 100. Circular free. John A. Huber, La Crosse, Kan.

BARRED ROCKS, Pekin ducks, Embden geese, Bronze turkey eggs. Circular on request. Mrs. John Steele & Son, Chillicothe, Mo.

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

BABY CHIX AND EGGS—Rocks, Reds, Buff Orpingtons, White Wyandottes, Light Brahmans. Kansas Poultry Company, Norton, Kansas.

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

STOCK, BABY CHICKS, EGGS! Leading varieties, \$1.50 per 15, \$6.00 per 100. Quality high. Circular free. K. I. Miller, Box B, Lancaster, Mo.

EGGS from White Rocks, White Wyandottes, White Holland turkeys, White Cochins bantams, Pekin ducks. Have some fine Spitz pups. A. T. Garman, Courtland, Kan.

EGGS. White, Buff, Barred and Partridge P. Rocks, Buff Orpington, White Wyandotte, S. C. Rhode Island Reds, Mammoth Bronze turkey. Free catalog. A. D. Murphy & Son, Essex, Iowa.

EGGS—All three kinds of pure Indian Runner ducks; white egg strains. S. C. Black Minorcas, S. C. White Leghorns. Eggs guaranteed. Write for prices. D. M. Christy, Blackwell, Okla.

SILVER LACED WYANDOTTES, Rose Comb, farm raised, well laced, big bone birds. Can ship from Barnes or Hanover. Eggs 75c per 15, \$4.00 per 100. Mrs. Earl Ballard, Hanover, Kan., No. 3.

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

BARRED ROCKS Our birds again demonstrated their high quality at this season's shows. Very best laying strains. Pens mated for the coming season. Send for descriptive circular. Pen eggs \$3 per 15. Utility eggs \$4 per 100. C. C. LINDAMOOD, WALTON, KANSAS.

White Orpington and Indian Runner Ducks

Eggs \$6 per hundred. Turkey and Geese eggs \$1.75 per setting. We breed all leading varieties of Standard Poultry. Plymouth Rocks are our leaders. Stock of highest quality at let live prices. Write for descriptive circular. Address W. F. HOLCOMB, Mgr. Nebraska Poultry Co., Clay Center, Neb.

S. C. Black Minorcas Hatching Eggs \$2.00 per 15

Eggs from my prize-winning pens at greatly reduced prices. R. C. TUTT, Box F, Kirkwood, Mo.

Cook's Barred Rocks

My last exhibit at Topeka in Jan., 1911, I won 1st, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th. CHAS. J. COOK, Box B, Marysville, Kan.

ARE YOU INTERESTED in a remedy that is positively guaranteed to prevent and cure all white diarrhoea in baby chicks? Send four cents in stamps for generous sample and circular; do it now. O. K. Remedy Co., Waynoka, Okla.

DR. PIERSON'S No Cure No Pay Poultry Cholera Remedy. \$1.00 per box. SPRING HILL, KANSAS.

DR. PIERSON'S Poultry Insect Powder. "Does the Work". 75c per box. DR. PIERSON, Spring Hill, Kansas.

The WOMEN

Conducted by



FOLKS

Mabel E. Graves

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

The children are grown up and some of them married, and you feel just a little bit lost? Suppose you take up something new, maybe the thing you wanted to do when you were a girl and never seemed to have time for.

Here's hoping the frost of Thursday night didn't do too much damage. The commercial fruit growers have learned that it is the part of wisdom to keep up a smudge on cool nights. Perhaps the owners of family orchards will find this a part of the solution of the high cost of living—planning to spend a night or two every spring saving the fruit crop.

This editor has just planted a lilac, and a cherry tree and a damson plum, and she's looking forward to the days when purple blossoms shall wave in the breeze and red cherries attract all the birds in the neighborhood. Cherries and bluejays, particularly, seem to have an affinity for each other. And as for plums—memory recalls the fact that turkeys will spend hours up in a tree feasting on Blue Damsons.

Summer Camp for Farm Girls.

A sixteen days' summer camp for farm girls is the latest forward movement in Chautauqua work. The North Dakota farm girls, to the number of 100 or more, are already planning on this delightful outing in July. There will be, in connection with the camp, a special summer school where the girls will study cooking, sewing, butter making, and other practical features of the farm-home life. They will also take up a reading circle course, have lessons in swimming, tennis playing and other out door sports, and will in addition have the privilege of attending the regular Chautauqua meetings. Miss Minnie Jean Neilson, president of the North Dakota Federation of Women's Clubs, is actively interested in this movement. Something of this sort would be an ideal outing for Kansas girls, if someone will only take it in hand.

Provide for Plenty of Flowers.

[Prize Letter.]

When selecting flowers for the home yard I like to choose those varieties that will give me a succession of bloom from early spring until late fall. For flowers

that are beautiful and easily grown I would choose the tulips, sweet peas, asters, dahlias, phlox, chrysanthemums, caladiums, salvia, (or flowering sage), nasturtiums petunias and cosmos. Give each the spot in the yard where it will do best and be seen to its best advantage.

Tulips look well in a bed along a fence or walk. After they have bloomed the tops die down, and other flowers can be planted with them.

Caladiums should be planted where they will get the afternoon shade. Plant in a bed and border the bed with phlox or flowering sage.

Sweet peas and nasturtiums to do well must be planted early. At the foot of an old tree or where one stood is an ideal spot to plant nasturtiums. Dahlias, asters and chrysanthemums are hardy, and grow well.

Plant flowers in the back yard as well as the front. Hollyhocks and cosmos are good to hide an unsightly fence. Cosmos is very satisfactory with its feathery foliage and pink, white and crimson blossoms.

Don't forget a few of our grandmothers' favorites—marigolds, mignonettes, balsam, and zinnias.

The greatest enemy to flowers in the country is the chicken. The yard must be enclosed in a chicken tight fence if success is to be attained.

Mary T. Keenan.

Louisburg, Kan.

[Tulip bulbs must be planted in the fall. We can bear them in mind for next October, for nothing is more beautiful.—Editor.]

Grew the Climbing Nasturtiums.

[Prize Letter.]

One year I had a bed of nasturtiums about 4 feet across, dwarfs around the edge, the tall climbing ones in the middle. When they began to climb I drove down three or four forked sticks around the edge and put an old buggy wheel so it was two feet above the ground; then I helped them to climb by sticking brush down through. After they got through they wanted to climb higher, so we got some brush about as high as our heads and stuck down through. The result was we had a mountain of flowers and foliage all summer and fall. The bed was between the house and the well where we enjoyed it all the time, and since it was shaded after two o'clock we could water it as often as needed.

Mrs. Pearl Peebles.

Pomona, Kan.

If You're Going to Have a Rug.

[Prize Letter.]

Take all-white carpet rags, cut narrow and sew nicely and as for any rag carpet (the strips should be about 1/2 inch wide). I always cut them, as the torn ones have so many ravellings. Allow 1 1/2 pounds of the sewed rags to the yard, and 1 pound of warp will make 4 yards of carpet. Skein both rags and warp and wrap securely with string so tightly that dye cannot penetrate it. Do this at 3-inch intervals around each skein, then dye with some fadeless dye or with indigo blue, adding alum to set the color. When dry remove the strings and your rags and warp will be stained in a clouded effect, "like mother used to make." Have these woven by any carpet weaver into rugs to fit your room. I have one 9 by 12 feet made into three strips 4 yards long and then sewed together. A border of plain blue at the ends improves them. Then I have small ones for dresser and commode rugs to match the large one.

When one uses a rug instead of carpet of course her floor must be oiled or painted around the edge. I will tell you how I treated an old floor so full of cracks and slivers that painting was impossible. I bought white canvas 29 inches wide for 12 cents per yard. This I

sewed and fitted to the room, stretching and tacking very securely. Then with old-olive paint I applied two coats, letting each dry thoroughly, then went over it again with oak japalac. To cover the tacks I bought window molding 3/8-inch wide and nailed onto the floor close to the baseboard, then oiled that. When done I had a durable floor suitable for any chamber or rug and at a cost of about 22 cents per square yard. Of course the canvas was first underlaid with three ply of newspapers.

Mrs. Alice Elliott.

R. 2, Harbor Springs, Mich.

Good Cooks of a Neighborhood

BY MRS. MARY STOREY WHITSITT.

Some time ago our Mutual Helper club had a program on cookery. At roll call each member gave an original recipe, and as these recipes were all so plain and practical we thought they might be of use to others, so we are sending them to the Women Folks of Mail and Breeze. Our little country club has been very prosperous this year, having a large roll call of earnest, loyal workers.

"Mary Ellen" Graham Bread—When you make light bread save out 1 1/2 cups of sponge. Scald 2 pints of sweet milk; just before removing from fire add a lump of butter or lard the size of an egg, let cool to lukewarm and pour over sponge. Add 1/2 cup sorghum, 2 table-spoons sugar and 1 of salt, 1 cup white flour, and enough graham to make a medium stiff sponge. Let rise until light and bubbly. Add 1 cup white flour and enough graham to make a dough that can be kneaded. Let rise until light again. This will make three loaves. Use white flour to dust the hands and board when shaping the loaves. Grease each loaf well, let rise until light and bake from 45 minutes to an hour in a medium oven. Remember graham is stickier than white flour. Make small loaves and do not make large batches, as it dries out quickly. I like to use part of the graham unsifted in order to get the bran.—Mary Storey Whitsitt.

Rhubarb Pie—Two cups pieplant cut fine, 1 cup sugar and 1 tablespoon flour mixed together. Beat 1 egg lightly. Mix all together and flavor with cinnamon and nutmeg to taste. Bake with two crusts. This is enough for one pie.—Alice M. Monnard.

Chicken Salad—Remove skin and bones from boiled chicken and chop the meat. Cut up 2 or 3 heads of celery and add to chicken. Season with salt and pepper and pour over the whole a cold mayonnaise dressing. Mix well.

Potato Salad—Boil 7 or 8 large potatoes with the skins on. When cold peel and slice fine. Cut up 1 onion and 3 hardboiled eggs. Mix 1 cup of rich sweet cream with 2 tablespoons of sugar, season with salt, pepper and vinegar to suit taste, then mix all the ingredients together. Slice 2 hardboiled eggs over the top.—Mrs. Anna Albers.

Swiss Dumplings—Take 3 eggs and enough sweet milk to make a stiff dough out of 3/4 quart of flour. Beat long and hard, until dough is full of bubbles. This is the secret of light dumplings. Drop by spoonful into boiling salted water and cook for a few minutes, then drain. Have ready hot butter, or butter and lard mixed, and fry the drained dumplings a nice brown.—Mrs. Lena Kussman.

Breakfast Puffs—Two eggs beaten lightly, 1/2 cup sweet milk, 1/2 teaspoon salt, 1 teaspoon baking powder, flour to mix rather stiff. Drop by spoonful into hot lard and fry brown. Serve with sugar sirup.—Mahetable Hemphill.

Sunflower Fritters—To each cup of buttermilk add 1/4 teaspoon salt, a small teaspoon soda and 1 egg. Beat well and stir in 1 large mixing spoonful of flour and 3 of cornmeal. Stir well and fry on a hot greased griddle. Stir each time just before taking out to fry.—Mrs. Susie Claunch.

White Cookies—Two cups sugar, 2-3 cup butter, 1 cup sweet milk, whites of 2 eggs, 1 teaspoon baking powder, vanilla flavoring, flour to make a soft dough. Bake in quick oven.—Clara Miller.

Icing for Cake—Take 1/2 cup white sugar, 3 tablespoons hot water and let boil until it hairs. Beat the white of 1 egg stiff and pour the sirup into the

HOME DRESSMAKING

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

The big, comfortable one-piece apron No. 4634 is cut in sizes 32, 36, 40 and 44 inches bust measure. A woman who wears size 36 will require 5 1/2 yards of 27-inch material.

Sack apron No. 2952 for the little folks is cut in six sizes, for girls 2 to



12 years. A girl of 6 years will require 3 1/4 yards of goods 27 inches wide.

The pattern for boys' suit No. 4595 is cut in sizes 2, 4 and 6 years. Age 4 years requires 3 1/4 yards of goods 27 inches wide and 3/4 yard of contrasting material 27 inches wide.

USE THIS COUPON FOR PATTERN ORDERS.

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

Name
Postoffice
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R. F. D. or St. No.
BE SURE TO GIVE NUMBER AND SIZE.

egg, beating constantly until stiff enough to spread nicely. Flavor as desired. This is an economical icing for a large cake.—Mrs. S. V. Buck.

Reliable Cake—Cream 1 cup sugar with 1/2 cup butter. Add 3 eggs, one at a time, and beat thoroughly after adding each egg. Add 1 cup sweet milk and 2 teaspoons baking powder mixed with enough flour to make a fairly stiff batter. Flavor to taste. Bake either as loaf or a layer.—Mrs. Eliza Jackson.

Superfine Cookies—Two cups sugar, 1 cup butter, 1 cup sour cream with 1/2 teaspoon soda dissolved in it, 2 eggs, 2 teaspoons baking powder sifted with enough flour to make a soft dough, vanilla flavoring. Roll thin and bake in a quick oven.—Mrs. Rachel Hind. Madison, Kan.

[The names given above are those of the authors of the recipes.—Editor.]

We like the Mail and Breeze very much.—J. C. Clander, Sapulpa, Okla.



This Is the Store

that gives you the best it has for your price—ALWAYS—whether you come to the counter or order by mail—the store that has the greatest varieties of merchandise to select from—every article, every piece of goods, from the least priced upward being strictly HIGH-GRADE—and the prices are right, just as the qualities are.

Our Mail Order Service is conducted for your benefit—we pay parcel post and express in Kansas.

THE MILLS DRY GOODS CO.
Topeka, Kansas

MARKET PROBABILITIES

Present Condition of Cattle Market is Unsettled With Heavy Receipts Responsible For Lowest Prices of the Year—Hogs Down too and Packers Likely to Succeed in Holding Prices Below \$9—Good Farm Horse Demand

(Written Specially for Farmers Mail and Breeze.)

Unexpectedly heavy receipts of cattle on Monday turned prices to new low levels for the season. Chicago received 31,000, and other markets except Kansas City reported increases over a week ago. The bulk of the offerings at all markets was fat steers. Prices were quoted down 10 to 25 cents. Butcher cattle and light weight steers and stockers and feeders were off about 10 to 15 cents. Traders say such runs cannot continue much longer, or the supply in the country has been greatly underestimated.

Unsettled is the most expressive word for the cattle market. Monday of last week there was a moderate advance, but Tuesday and Wednesday followed with declines of 10 to 25 cents except possibly some prime steers both in the weighty and light weight class got by at steady prices. The bulk of the cattle, however, after Tuesday sold late in the day and had been held up by late dealings for full shrinkage. Salesmen lost more in the eliminating process than by the price loss per hundred pounds, but the two combined made a fairly liberal reduction compared with the level of the preceding week. Cattle filled well and some shrinking was necessary but worked overtime. Other factors that aided in the decline were large receipts, 22,000 in Chicago, Wednesday, and an unusually large percent of fat steers that prevailed. The liberal supply of fat steers was caused by feeders getting themselves in a position for uninterrupted farm work. Many countrymen would rather take less money for cattle than to stop teams when the rush of farm work is on. The origin of the supply was well scattered. Iowa, Illinois, and Missouri contributed freely, and the Missouri river market supply came from Nebraska, Kansas, Colorado, Oklahoma and Texas. The cack grassers from south Texas are beginning to move and sales last week ranged from \$6 to \$7.75. There is a feeling in the market that discloses firmness, notwithstanding the recent declines. Its manifestation is that packers are watching the movement close, and when signs of a subsidence occur they will rustle for supplies. A good many traders believe that marketing has been close and when the let up starts it will be an abrupt falling off rather than a gradual decrease. All territory except Texas and Colorado is due to contribute more sparingly in the next few weeks, and the general tightening up in supplies over such a vast territory is sure to cause a big drop in receipts at central markets. The average quality of the cattle marketed in the past ten days was good, though there were comparatively few strictly prime, and few common. Prime steers in Chicago sold up to \$9.20, a few odd head at \$9.25. The best other markets reported was \$8.55, though \$9 is a possible price at any western point. The bulk of the steers sold at \$7.75 to \$8.50 and there was more lethargy in the trade on the kinds above \$8.25, than below that price.

She Stuff at Steady Prices.

Packers are able to whip the steer market into most any old course, but when it comes to butcher cattle they are nearly like a dog after its tail and generally wind up the week about where they started at steady prices. If the packer doesn't want them the shipper does, and he often makes the packer take his leavings. Then the countrymen are willing to spend money for all breeding cattle not too fat. Packers simply cannot have their way on butcher cattle. Last week there were several attempted breaks put on as leads, but the market on such occasions came to rights with late dealings the most active. Cows are quoted at \$4 to \$8, heifers \$5 to \$8.60, bulls \$4.50 to \$7.50, calves \$6 to \$9.50.

Quiet Stocker and Feeder Trade.

Light receipts of thin cattle was responsible for a dull trade in stockers and feeders last week. Prices showed no important change. Quality as a rule was plain, and prices took on a comparatively low range. Sales at \$8 and better were less frequent and \$7.25 to \$7.75 was the prevailing range. Stock cows and heifers were steady, and stock calves 25 to 50 cents lower.

Break in Hog Prices.

Hogs came in for a greater decline than cattle. Prices were down 15 to 25 cents to new low levels. The top price in Chicago and St. Louis was \$8.75, in Kansas City, \$8.60; in Omaha, \$8.40. Wednesday for the first time since March 11, hog quotations were below the 9 cent level. On Thursday the market displayed its yeasty characteristic and Chicago and St. Louis returned the 9 cent price, and Missouri river market moved up a couple of notches from the low point. Wednesday last week prices were 25 to 35 cents under Monday, and 55 cents under the high level of the preceding week. The break occurred on moderate receipts and with shippers out

of the competition. Later shippers were buying again and a moderate rally occurred. Packers will put prices down when the market is in their control, but outside competition causes considerable haste on their part. The bulk of the hogs are still in the heavier classes, and they are selling considerably below the light weight class. According to statements by countrymen receipts in the next few weeks will be moderate, but packers show such antipathy to the \$9 hog that it is doubtful whether prices will go above that level again this season.

Upturn in Sheep Prices.

The sheep market last week showed better form than either cattle or hogs, and advances of 35 to 50 cents occurred. That advance was practically a regaining of the loss of the preceding week. Moderate receipts together with a good demand for mutton caused the upturn. Wool schedules on the tariff counter seem to have no place in present market variations. Later when the new crop of wool is to be marketed, and another crop of lambs is ready for feed lots will be time to think of such things. The movement of fed sheep is on its last leg. Colorado is said to have only 15 per cent of the winter's feeding left and central feed lots have even fewer. Woolled sheep and lambs are scarce, and clipped grades predominate. The movement of Texas clipped grassers is increasing but as yet is not of sufficient volume to be a factor of competition with fed grades. It is claimed that Texas is short on sheep this year.

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 | 32,900 | 48,750 | 30,750 |
| Chicago | 48,600 | 123,000 | 86,000 |
| Omaha | 16,700 | 46,700 | 40,100 |
| St. Louis | 10,900 | 43,500 | 10,100 |
| St. Joseph | 7,400 | 27,700 | 16,500 |
| Total | 116,500 | 289,650 | 183,450 |
| Preceding week | 119,475 | 291,400 | 192,050 |
| Year ago | 106,530 | 337,850 | 178,750 |

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

| | Cattle | Hogs | Sheep |
|-------------|--------|--------|--------|
| Kansas City | 9,000 | 8,000 | 10,000 |
| Chicago | 31,000 | 60,000 | 25,000 |
| Omaha | 4,500 | 7,000 | 13,000 |
| St. Louis | 2,000 | 10,000 | 3,000 |
| St. Joseph | 1,500 | 5,500 | 7,000 |
| Totals | 48,000 | 90,500 | 58,000 |
| A week ago | 37,200 | 69,500 | 49,000 |
| A year ago | 38,200 | 86,400 | 39,200 |

The following table shows a comparison in prices on best offerings of livestock at Kansas City and Chicago for this date and one year ago:

| | Cattle | Hogs | Sheep |
|-------------------|--------|--------|--------|
| Per 100 lbs. 1913 | 1912 | 1912 | 1912 |
| Chicago | \$9.10 | \$8.90 | \$7.80 |
| Kan. City | 8.70 | 8.75 | 7.25 |

Good Demand For Horses.

Demand for horses and mules continues large, and the movement has increased moderately. One point reports about the same class of demand as another, though Chicago and Eastern markets are clamoring for heavy drafters. In the Central West farm requirements keep demand active. The outlet south has been rather small, but it is well along towards the season of the year when their needs are fairly well satisfied.

Seeds.

Kafir corn, No. 2 white, 81c a cwt.; No. 3 white, 80c a cwt.; alfalfa \$9@12 a cwt.; flaxseed \$1.10 a bushel; timothy \$1.50@1.75 a bushel; cane seed 55c@90; millet seed \$1@1.30.

Grain and Hay Markets.

Grain and hay prices continued to move in the limited channels of the preceding week, net changes being small and unimportant. Rains in Missouri, Iowa, Nebraska, Kansas, Oklahoma and the Panhandle increased the already favorable prospect of the growing wheat crop, and large yields seem assured. Receipts of all grain continue light. Straw was quoted up \$1 a ton and hay is quoted steady.

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

| | Kansas City | St. Louis |
|-------------|-----------------|---------------|
| Wheat— | | |
| Hard No. 2 | \$.83 1/2 @ .91 | \$.93 @ .94 |
| Soft No. 2 | 1.00 @ 1.04 | 1.09 @ 1.10 |
| Corn— | | |
| White No. 2 | .56 @ .56 1/2 | .60 @ .60 1/2 |
| Mixed corn | .55 1/2 @ .56 | .58 @ .58 1/2 |
| Oats— | | |
| No. 2 white | .36 1/2 @ .37 | .35 @ .36 |
| No. 2 mixed | .34 1/2 @ .35 | .34 1/2 @ .35 |

The following comparison shows prices on best grades of wheat, corn and oats

at Kansas City and Chicago for this date and one year ago:

| | Wheat | Corn | Oats |
|-----------|--------|--------|-------|
| 1913 | 1912 | 1912 | 1912 |
| Chicago | \$1.07 | \$1.21 | 58 82 |
| Kan. City | 1.08 | 1.15 | 57 83 |

The Broomcorn Market.

A most favorable season for seeding of broomcorn in the Southwest and the general retirement of demand makes a dull trade in broomcorn. Country sales were reported as almost nil, and warehouse men say that their sales have been very small. Broom makers are not buying any ahead figuring on liberal yields of this year's crop to continue low prices. Choice, green, selfworking corn is quoted at \$80 to \$90, fair to good \$45 to \$75 a ton, common to fair \$20 to \$40.

Livestock in Kansas City.

Last week started with cattle prices in a firm position. Weakness appeared Tuesday and Wednesday declines of 10 to 15 cents occurred. Later in the week trade was indifferent and prices remained weak. The top price for steers was \$8.75, both heavy and light weights brought that price. The medium to good steers sold at \$7.75 to \$8.35 and choice kinds at \$8.40 to \$8.60. Demand for butcher cattle was active. Cows sold at \$4 to \$8, and heifers \$6 to \$8.50. Tidy weight heifers were not as plentiful as in previous weeks. Veal calves sold at \$5.50 to \$9.75, bulls \$4.50 to \$7.25, stockers \$7.25 to \$8.25, and feeders \$7.50 to \$8.50.

Hog prices Saturday were the lowest of the week, top \$8.70 and bulk \$8.50 to \$8.65. The market for the week however, should not be judged on Saturday's basis as packers have turned the last day of the week into a farce, so far as actual trade is concerned.

The following table shows the range in prices of hogs last week and in the preceding week:

| | Last week | Preceding wk. |
|-----------|-----------------|-----------------|
| Monday | \$8.70 @ \$8.95 | \$8.90 @ \$9.25 |
| Tuesday | 8.60 @ 8.85 | 8.75 @ 9.12 1/2 |
| Wednesday | 8.50 @ 8.70 | 8.60 @ 8.90 |
| Thursday | 8.55 @ 8.75 | 8.55 @ 8.92 1/2 |
| Friday | 8.45 @ 8.80 | 8.65 @ 9.00 |
| Saturday | 8.50 @ 8.70 | 8.60 @ 8.92 1/2 |

A general improvement was noted in the sheep market. Prices ruled stronger from the start and net advances of 35 to 50 cents occurred. Woolled lambs are quoted at \$8 to \$8.80, clipped lambs \$7 to \$7.75, ewes and wethers \$6.25 to \$7.25 and clipped Texas \$6 to \$6.40.

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1912:

| | 1913 | 1912 | Inc. | Dec. |
|---------|---------|---------|--------|---------|
| Cattle | 499,021 | 454,837 | 44,184 | ... |
| Calves | 26,286 | 27,035 | ... | 799 |
| Hogs | 806,935 | 957,762 | ... | 160,827 |
| Sheep | 623,059 | 709,231 | ... | 86,162 |
| H. & M. | 35,700 | 36,376 | ... | 676 |
| Cars | 34,425 | 35,345 | ... | 920 |

Livestock in St. Louis.

Cattle trade still shows weak spots and last week prices were down 10 to 15 cents, though Friday there was a stronger under current to the trade. Receipts were fairly liberal, and steers predominated the supply. A good many plain southern cattle were offered. Native beef steers are quoted at \$6 to \$9, cows and heifers \$4.50 to \$8.75, calves \$5 to \$9.50, bulls \$5 to \$7, stockers and feeders \$6 to \$7.50, Texas and Indian steers \$6.25 to \$8.50, cows and heifers \$4 to \$7.

The \$9 hog lost its identity last week, and after Wednesday the top price was \$8.95, which fell on Saturday. The net loss for the week was 20 to 25 cents, and the biggest break since early in March.

Advances of 40 to 50 cents last week made the \$9 quotation possible, but late in the week when the market was strongest no choice lambs were offered. Woolled lambs are quoted at \$8 to \$8.90, native muttons \$5 to \$7.25, clipped lambs \$7 to \$8.

The following table shows receipts of cattle, hogs and sheep in St. Louis, thus far this year, compared with the same period in 1912:

| | 1913 | 1912 | Inc. | Dec. |
|---------|---------|---------|--------|--------|
| Cattle | 258,460 | 209,416 | 49,044 | ... |
| Hogs | 847,973 | 927,378 | ... | 79,405 |
| Sheep | 209,908 | 271,966 | ... | 62,058 |
| H. & M. | 58,310 | 72,652 | ... | 14,342 |
| Cars | 22,023 | 22,198 | ... | 170 |

Livestock in St. Joseph.

Dressed beef and butcher steers are quoted at \$7 to \$8.75, few selling below \$7.50 or above \$8.50. The \$7.75 to \$8.35 kind seem to suit killers best. Weights from 5 to 1,150 pounds are preferred. Prices sagged some in the past week but demand was sufficient to care for all the offerings. Strictly prime cows and heifers continue in active demand. Cows are quoted at \$4.50 to \$7.75, heifers \$6 to \$8.50, bulls \$4 to \$7, calves \$5 to \$9.25, stockers \$6.25 to \$7.75, feeders \$6.75 to \$8.

Saturday the top for hogs was \$8.70, and bulk sold at \$8.50 to \$8.65, showing a net loss of about 25 cents for the week. The down turn started Tuesday and was checked temporarily on Thursday and Friday.

A sharp advance occurred in sheep prices. Light receipts and shipping orders stimulated demand. Prices were up 40 to 50 cents, a full recovery of the loss of the preceding week. Lambs are quoted at \$7 to \$8.90, and sheep \$5 to \$7.

The following table shows receipts of livestock in St. Joseph thus far this year compared with the same period in 1912:

| | 1913 | 1912 | Inc. | Dec. |
|---------|---------|---------|------|---------|
| Cattle | 142,643 | 156,746 | ... | 14,103 |
| Hogs | 549,046 | 759,929 | ... | 210,883 |
| Sheep | 277,413 | 265,382 | ... | 12,031 |
| H. & M. | 12,533 | 18,662 | ... | 5,669 |
| Cars | 14,821 | 17,791 | ... | 2,971 |

Butter, Eggs and Poultry.

Elgin, April 28.—Butter this week is firm at 32 cents.
Kansas City, April 28.—Prices this week on produce are:
Eggs—Firsts, new white wood cases included, 17 1/2 @ 18c a doz.; seconds, 14 @ 15c; current receipts, \$5.15 @ \$5.20 a case.
Butter—Creamery, extras, 33 @ 34c a lb.; firsts, 31 @ 32c; seconds, 30c; packing stock, 24c.
Live Poultry—Broilers, 30c a lb.; spring chickens, 15 @ 16c; hens, 14 @ 14 1/2c; roosters, 10c; young turkeys and turkey hens, 17 @ 18c; old toms, 14 @ 15c; cul turkeys, 7 @ 8c.

Produce Prices Now and One Year Ago.

| | (Quotations on Best Stock.) | | |
|-----------|-----------------------------|------|------|
| | Butter | Eggs | Hens |
| | 1913 | 1912 | 1913 |
| Chicago | 30 | 18 | 18 |
| Kan. City | 34 | 13 | 18 |

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Many families have hitherto done without a separator because they did not feel able to pay out at one time all the money necessary to get one of these machines. Realizing this, one of the reliable separator manufacturers, the Albaugh Dover Co., of Chicago, have arranged to sell their famous New Butterfly machines direct from the factory at very low prices and on easy payment terms. Anyone in need of a separator can by simply sending the Albaugh Dover Co. \$2.00 as a first payment obtain any size machine they make. Then, if after 30 days' trial the separator proves satisfactory, you can make a small payment each month until paid for in full. You have a whole year in which to pay and the payments are so small that the extra cream the machine saves you will more than meet all the payments before they are due. In this way you have a chance to get a high grade, lifetime guaranteed separator without really taking any money out of your own pocket. The advertisement of the Albaugh Dover Co. appears on page — of this issue and we recommend that any of our readers who do not have a separator should write to the Albaugh Dover Co., 2275 Marshall Blvd., Chicago, for a copy of their latest cream separator catalog and easy payment offer.

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FOR SALE OR EXCHANGE—2 fine reg. young Poland China boars; also 2 extra good reg. Shropshire bucks; will trade for grade sheep. Otto Borth, Plains, Kan.

FOR SALE OR TRADE—Good threshing outfit a d Model 16 Buick automobile 40 H. P. Also two lots in Dallas, S. D. Address Joseph Plizinger, Hoisington, Kan., Barton Co.

FOR SALE OR EXCHANGE. 80 a. 4 miles Artesia, New Mex. 40 a. orchard, bal. alfalfa. Artesian well, small buildings. want land in Kansas. H. C. Hammond, Altoona, Kan.

FOR TRADE—4 mi. railroad town Scott Co., Kan., level unimproved quarter, deep black soil, 80 feet sheet water. Level 50 a. unimproved tract 1½ mi. Fargo, Okla.; sheet water 30 feet; will grow alfalfa. Owner, F. B. King, Atlanta, Kan.

HELP WANTED.

MEN AND WOMEN wanted for government jobs. Write for free list of positions open. Franklin Institute, Dept' N 53, Rochester, N. Y.

WILL PAY reliable women \$250.00 for distributing 2,000 free packages perfumed soap powder in your town. No money required. O. Ward & Co., 218 Institute Pl., Chicago.

AGENTS—\$173 in two weeks, made by Mr. Williams, Illinois, selling the Automatic Jack, Combination 12 tools in one. Used by auto owners, teamsters, liveries, factories, mills, miners, farmers, etc. Easy sales, big profit. Exclusive county rights if you write quick. Automatic Jack Company, Box 0, Bloomfield, Indiana.

MALE HELP WANTED.

WANTED—Man with small family. Farm work and board hands. R. J. Linscott, Holton, Kan.

PARCELS POST means thousands government jobs open. Write for free list. Franklin Institute, Dept' N 53, Rochester, N. Y.

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

WANTED—Reliable men in every County to sell nursery stock. Liberal terms. Outfit free. Experience unnecessary. Write F. H. Stannard & Co., Ottawa, Kans.

SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas. Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

YOUR opportunity to learn salesmanship quickly. We want ten more good men to act as special representatives in the best territory in Oklahoma and Kansas. Will pay extraordinarily liberal commissions to start. Send one bank reference with application. Address, Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

GOVERNMENT positions open to men and women. \$90.00 month. Annual vacations. Short hours. No "lay offs." Parcels post means thousands of postal appointments. "Full" unnecessary. Farmers eligible. Write immediately for free list of positions open. Franklin Institute, Dept' N 53, Rochester, N. Y.

LIGHTNING RODS.

ROD your own buildings. Any number of feet at wholesale prices. Harvey Kinzie, Hiawatha, Kan.

AGENTS WANTED.

AGENTS: I guarantee to grow hair on baldheads. Was bald myself. Eliminate hair troubles. Make women's crown glorious. For important proposition write A. Spier, Dept. 1, Boulder, Colo.

CAN USE a few old experienced salesmen for Oklahoma and Kansas to act as special representatives in good territory. Write Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

YOUNG or middle aged men or women wanted, desiring agreeable, very profitable district or local employment, with chance of advancement; good references required; state experience. Address N. I. A., care this paper.

BIG MONEY IN ROOF PAINT. Costs 20 cents gallon to manufacture, sells readily \$1.00 gallon. Send 50 cents for complete formula. We guarantee product absolutely satisfactory or refund money. Easy to manufacture. No machinery necessary. Standard Formula Bureau, Dept. F, Salina, Kansas.

YOUNG MAN, would you accept and wear a fine tailor made suit just for showing it to your friends? Or a Slip-on Raincoat Free? Could you use \$5 a day for a little spare time? Perhaps we can offer you a steady job? Write at once and get beautiful samples, styles and this wonderful offer. Banner Tailoring Company, Dept. 321, Chicago.

PATENTS.

SEND FOR FREE BOOKLET, All About Patents and Their Cost. Shepherd & Campbell, Patent Attorneys, 500C Victor Bldg., Washington, D. C.

PATENTS THAT PAY. \$561,530 made by clients. Patent book—"What and How to Invent—Proof of Fortunes in Patents" free. 112-page guide. E. E. Vrooman, Pat. Atty., 885 F St., Wash., D. C.

SALESMEN WANTED.

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

WANTED SALESMEN AND SALESWOMEN—Hundreds of good positions now open paying from \$1,000.00 to \$5,000.00 a year. No former experience required to get one of them. We will teach you to be a high grade Traveling Salesman or Saleswoman by mail in eight weeks and assist you to secure a good position where you can earn good wages while you are learning Practical Salesmanship. Write today for full particulars, and testimonials from hundreds of men and women we have recently placed in good positions, also list of good positions open. Address (nearest office) Dept. 236, National Salesmen's Training Association—Chicago, New York, Kansas City, San Francisco, New Orleans, Toronto.

POST CARDS.

25 BEAUTIFUL high grade souvenir post cards for only 10 cents. The Rehm Co., Weehawken, N. J.

AUTOMOBILE TIRES.

40% TO 75% saved on tires. Printed guarantee for 2,500 miles with every tire. Generally run 3,000 to 6,000 miles. Every tire re-made by hand, free from imperfections and blemishes of all kinds. Our prices, 28x3, \$6.87; 30x3, \$7.35; 30x3½, \$10.46; 32x3½, \$10.96; 34x4, \$14.90. All sizes. All makes. Write for free catalogue and price list. Peerless Tire Co., 1588(C) Broadway, New York.

MISCELLANEOUS.

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

WANTED—150 head of cattle and 25 head of horses for pasture. L. J. Farrell, Nadeau, Kan.

TUITION may be paid out of earnings after course is completed. Dougherty's Business College, Topeka, Kan.

FREE—Poultrymen, stockmen, real estate dealers, request premium offer samples; might get your printing free. Parcel Post Printing Co., Girard, Kan.

BAD DEBTS collected without suit. Everywhere. 24 years exclusively in this work. Bank references given. N. S. Martin & Co., Arkansas City, Kan.

LOUISIANA pure sugar cane syrup. Put up at the mill in sealed pails. No glucose or any sulphur dioxide in our syrup. 12 one gallon pails for \$8.00. We pay all the freight. Mary & Tuma, Washington, Louisiana.

Buy Your Wife a Pair of Good Scissors or Shears or a Sewing Outfit.

You can't work your farm with poor tools—your wife can't do all the sewing, mending and patching for the whole family without good scissors, shears or a sewing outfit. Ask her which she needs in this line and then go ahead and buy her the finest. Keen Kutter scissors, shears and sewing outfits have positively no equal in America. The blades are made of solid steel and are held firmly together at the joints by a patent nut, bolt and screw, making it impossible for any looseners or play between the blades. The handles are shaped for easy work. Keen Kutter scissors

and shears will cut the thickest fabric or snip the finest thread. They are made by the Simmons Hardware Company, who authorize their dealers to say this to you: "Buy these scissors or shears—if you do not find them absolutely perfect, return them and get your money back."

K-r-l-t as Rescuer.

A total of 37 people rescued and more than two tons of provisions carried to those in need of help was the record established by H. F. Apple, of Dayton, O., with a K-r-l-t roadster during the flood time in Ohio. For four days Mr. Apple ran his car continuously, stopping only for gasoline and

oil and in all he carried 37 people out of danger and then drove to Springfield over all but impassable roads and brought back food for the homeless. He was finally forced to abandon his car in the fire zone, but after the waters receded it was rescued by the police and the installation of new batteries and electrical connections was sufficient to put the car in running condition. Mr. Apple is now touring from Dayton to St. Louis in the car.

I would not do without the Mail and Breeze for double the price.—Henry Schaefer, Bremen, Kan.

Of Interest to Ensilage Users.

The new catalog issued by Gehl Bros. of West Bend, Wis., should prove of unusual interest to farmers who grow corn for ensilage. This catalog not only illustrates and describes all styles of the "light running Silberzahn" Ensilage Cutter, but it gives various other information that will prove beneficial, especially to those who have just waked up to the fact that ensilage will do more than anything else to reduce "the high cost of living" for stock. A copy of this interesting catalog will be mailed free upon request to Gehl Bros. Mfg. Co., Dept. 126, West Bend, Wis.

BIG BARGAINS IN REAL ESTATE

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

Special Notice

All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

GOOD farms for sale or ex. in Bourbon Co., eastern Kan. Fred L. Kent, Uniontown, Kan.

160 ACRES Franklin Co., Kan. One mile from town. \$42.50. Other bargains. Send for list. A. E. Clark & Son, Pomona, Kan.

STEVENS county; land on new R.R. in Stevens and Morton Cos. \$8 to \$20 per a. Write or see John A. Firmin, Hugoton, Kan.

FOR SALE. Fine 400 a. Marlon Co. farm near Burns. \$40. 160 a. \$6,000. Both worth \$50. Guss Schimpff, Burns, Marlon Co., Kan.

RESTAURANT business; fixtures, stock and everything that belongs to the business for sale for cash. Good reason for selling. T. E. Gordon, Waterville, Kansas.

WRITE for big printed list of corn and alf. farms in rain belt of Kansas. Biggest list choice farms in state. Kenyon & Holtzman, Concordia, Kan. (Pioneer Kan. farmers.)

MUST SELL to close estate, 9 quarters choice land well located, and new R.R. from Dodge City passes through land. Only 5 mi. west of Santanta. Box 844, Garden City, Kan.

WHEAT and grazing lands \$9 to \$25 per a. Rough, sandy land, \$5 to \$10. Improved land \$18 to \$35. New list free. Some exchanges. L. L. Taylor & Co., Dodge City, Kan.

GREAT Jeff. Co. bargain. 93 a. 3 mi. R.R. high school town. 70 a. cult. Bluegrass past., timber. Owner widow. \$5,000 house; outbldgs. \$65 a. J. A. Decker, Valley Falls, Ks.

118 A., all tillable, 15 a. bluegrass, 2 never failing wells; 5 r. house, barn 30x40, hen house, 3 miles of a good town. Price \$68 per a. Worth \$100. Terms to suit the buyer, Mansfield, Ottawa, Kansas.

SACRIFICE sale; 320 acres, 60 acres pasture and hay, 2 good wells and a spring; 70 acres wheat, bal. in crops. Possession August 1st, 1913. 1/2 of all grain to purchaser; \$14,000. LOCK BOX 285, Wellington, Kan.

160 A. 2 miles town, 1/4 mile school; 7 room house, large barn, 100 a. bottom; 40 a. alfalfa; fine orchard, fine improvements, nice home. Price \$65 per acre. GILE & BONSALL, South Haven, Sumner Co., Kan.

1,250 A., 300 a. alfalfa bottom, running water, up-to-date impr. 900 a. finest blue-stem pasture, fine location. 8 mi. Eldorado. \$40 per a. 1/2 down, as long time as desired on bal. at 6%. Other ranch bargains. V. A. OSBURN, Eldorado, Kansas.

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

ALFALFA AND WHEAT LANDS at \$20 up. Grass lands \$10 up. Crops are good; prices are rapidly advancing—NOW'S the time to buy. List free. A few exchanges considered—they must be gilt edge. WILLIAMS & PICKENS, Meade, Kan.

IN MONTGOMERY COUNTY. 320 acres fine meadow and pasture at \$20 per acre; improved 80 acres at \$2,500. Nice acreage tracts adjoining Independence, easy terms; other bargains. POSTER BROS., Independence, Kan.

Stevens County

Write for prices on R. R. lands. Easy terms. Santa Fe Land Co., Hugoton, Kan.

ALFALFA FARMS Write for list of farms and ranches near the best college town in the state.

CATTLE RANCHES T. B. GODSEY, Emporia, Kan.

Good Quality at Low Cost

235 acres near Garnett, Kansas, most blue-stem meadow, low price. 60 acres, well improved, 3 mi. of town, subject to one year lease. 160 acres, 1/2 mi. of town, well improved. SPOHN BROS., Garnett, Kan.

400 ACRES FOR SALE

Two sets of improvements in fair condition; plenty shade trees. 2 good wells, windmills and concrete water tanks; also creek water at each place. 240 a. of bottom alfalfa land and 160 a. of upland (black soil), 200 a. in wheat, 30 a. alfalfa, 60 a. pasture, bal. corn land, all tillable. 2 mi. town. Phone. Level roads. Will sell part or all. Terms on part. Price \$80 per acre. T. F. JOHNSTON, Garfield, Kan.

Highly Improved 160 A. Farm

One of the most highly improved 160 acre farms in Southeastern Kansas, 5 miles from good county seat town; all valley land; 20 acres native meadow; 30 acres good pasture; 16 acres alfalfa; balance cultivation; six room house; large barn, silo, granaries and cribs; cow barn and four hog sheds; 80 acres under woven hog tight fencing, cross fenced into six different fields; farm especially arranged for hog and livestock; plenty of spring and well water; orchard and good shade; implement and poultry house; wagon scales; all buildings and improvements in first class condition. Price \$60 per acre, 1/2 cash, balance long time. For further particulars write for plat of farm and other particulars. ETCHEN BROS., Coffeyville, Kansas.

FOR absolute bargains in any sized farm find C. D. Kregar, Lincolnville, Kan.

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

AGENTS WANTED, to sell Neosho Valley corn and alfalfa lands, \$40.00 to \$60.00 per a. G. W. Clark Land Co., Chetopa, Kan.

CENTRAL Southern Kan. alfalfa lands. 320 a. valley land, 200 suitable for alfalfa, \$8,000. 160 a. in valley, 120 in cult., \$4,800. For free list write P. H. THORNTON, Coldwater, Kan.

100 IMP. and unimp. farms for sale in Edwards, Ford and Hodgeman Cos., \$1,100 1/2 up. For further information and list call on or address THOS. DARCEY, Offerle, Ka.

A BARGAIN—680 acres, 3 miles from town; 150 acres in wheat, balance in pasture. Price \$15 per acre if sold soon. Write PIONEER REALTY CO., Protection, Comanche Co., Kansas.

672 ACRE farm, 3 sets improvements, near Arkansas City, Kan. 65 in alfalfa. Best of terms. Ask about this good farm. 80, 160, 240, 320, 408, 620, all above farms are good prices from \$30 up to \$56 per a. WM. GODBY, Arkansas City, Kan.

275 A. 3 mi. of good town, 125 a. creek bottom, 20 a. timber, running water on land, 30 a. bluegrass, 12 a. orchard, well and windmill, barn 40x50, hog house, scales, other outbuildings. Loan \$10,000 at 6%. Price \$80 per acre. Owner will trade for a stock of goods. Mansfield, Ottawa, Kansas.

280 A. 2 1/2 mi. from Garfield, Kan. In great Arkansas river valley. About 1/2 bottom land, remainder upland; about 200 a. broke, bal. pasture. Good new 7 room house; other outbuildings in good repair. This is an ideal location for a stock or dairy farm being close to main line of A. T. & S. F. R. R. Priced for quick sale at \$30 an a. Address owner, C. R. MURRAY, Garfield, Kan.

COFFEY COUNTY, EASTERN KANSAS. Good homes and investments. Corn, tame grass and ranch lands, \$30 to \$60 per a. List free. LANE & KENT, Burlington, Kan.

MONEY-MAKERS AND GOOD HOMES. Lands in Oklahoma, Texas and Kansas for sale, no exchanges. City property and stocks of mose. to exchange. List free. JABEZ F. BRADSHAW, Lenexa, Kan.

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

SOUTHWEST KANSAS FARM LANDS. Honest prices. Where wheat leads the world. Corn crop values beat wheat and alfalfa growing leads the continent. LISTON DENNIS, Stafford, Kan.

COMANCHE COUNTY BARGAIN. 480 a. improved, 9 miles from Coldwater. 173 a. fine growing wheat, all goes, for quick sale, price \$27.00 per a. Terms if desired. C. A. HEATON, Larned, Kansas.

LINN AND BURTON CO. FARMS. Best bargains in Kan. Corn, wheat, timothy, clover, bluegrass land \$15-\$30. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illus. folder free. EBY-CADY REALTY CO., Pleasanton and Ft. Scott, Kan.

50 ACRE FARM, A BARGAIN. 50 a. joining town. 7 r. house, shade, 2 barns, calf shed, hog sheds and pasture, 2 hen houses, corn crib, wood house, milk house, 2 cisterns, 2 wells. 1 a. small fruit. 8 a. alfalfa. 15 a. hog tight fence. Bluegrass pasture. 20 a. fine bottom land. F. W. BERTSCHINGER, Leecompton, Kan.

SHARON VALLEY FARM. 160 acres, 3 mi. of Sharon, Kan., good 6 room house, barn 40x80, 2 chicken houses, cave and smoke house, good orchard, 30 acres pasture, 8 acres wheat, 10 acres alfalfa, balance for spring crop; no waste land; a bargain at \$50 per acre. No trade. E. E. FOLEY, Wichita, Kansas.

Early Dawn Stock Farm

320 a. Grant Co., Kan., 5 mi. Co. seat. 160 a. imp., 6 r. house, barn 48x52, poultry, milk and hog houses, jack barn, well and mill, corral, free range. Snap for young man. Sell acct. myrge \$4,800 1/2 cash. bal. to suit. Wm. Bechtelheimer, Bearden, Ark.

Making Money

is no trick if you invest in Plains, Kansas, town lots, where prices are certain to advance. Choicest locations, today's prices \$17.50 to \$50, easy monthly payments. Only a few to be sold at these low prices. ACT QUICK if you want to make a profitable investment. Write for list and literature. JOHN W. BAUGHMAN, Desk G, Plains, Kan.

Along the New Railroad

5 quarters in Haskell, Grant and Stevens counties, near new railroad towns on D. C. & C. V., for \$7 per acre, on easy terms. Can sell single quarters. HAVE GOOD PROPOSITION FOR AGENTS. DON VAN WORMER, Richfield, Kan.

Sedgwick Co. Farm Bargains

80 a. farm only 3 miles of Wichita; best of land, improved, \$110 per a. Terms. 280 bottom land farm; none better for alfalfa, improved, 1 mile R. R. town, snap at \$50; terms to suit. 145 a. farm, house, 2 barns, good land, fine home, \$60 per a. \$2,000 cash, bal. long time. 21 a. farm bottom land, good improvements, in edge of Wichita, \$6,500. Call or write H. E. OSBURN, 815 E. Douglas, Wichita, Kansas.

BARGAIN; 160 a. nicely improved, 1/4 mile out, \$6,000. Send for land list. F. C. LIBBY, Blue Mound, Kan. J. L. Wilson, Salesman.

IF YOU WANT TO BUY LAND in western Kan. for \$6 to \$10 an a., write Geo. M. Lynch, Co. Treas., Tribune, Kan.

4 STOCK FARMS for sale at \$36, \$41.50, \$60 and \$62.50 per a. FRALLE BROS., Bremen, Kansas.

HAY FARM FOR SALE. 160 acres of land 3 miles from Colony, Anderson Co., Kansas. 100 acres in native meadow, 15 acres pasture, 45 cult., improved with house and barn, good water. The hay alone has been making \$500 per year. Am offering this at the low price of \$40 per acre as I have other interests and cannot see to it. For sale only. Address J. F. RESSEL, Owner, Colony, Kansas.

ARKANSAS

CHEAP homes. Send for literature. F. & M. Bank and Trust Co., Horatio, Ark.

ARKANSAS farms for sale. Terms. List free. J. C. Mitchell, Fayetteville, Ark.

OZARK fruit farm. Income \$7,000 in 1912. Heart's delight. H. Hall, Waldron, Ark.

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

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

IF you want to know about Ashley Co., Ark., send 10c in stamps for Hamburg Budget, for 3 mos. Add. Budget, Hamburg, Ark.

348 ACRES Arkansas bottom land, 2 1/2 mi. from Co. seat; 200 acres incult. Rents pay \$2,000 annually. \$60 per acre. No trade. Frank Bates, Waldron, Arkansas.

160 ACRES one mile from Oliver, Ry. town; church, school; partly improved; good timber. In Scott county, Arkansas. Price \$3 per acre, cash. Box 308, Heavener, Okla.

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

ATTENTION. We have selected list of very best bargains in farm, fruit, alfalfa and timber lands in Ark. Get our list of bargains. A. W. Estes Co., Little Rock, Ark.

FOR SALE—80 a., 45 in cultivation, good buildings, 3 acres orchard, fine water; 1 1/2 mile to station; 3/4 mi. from county seat. Big Bargain. \$1,350. F. J. Ray, Little Rock, Ark.

ARKANSAS lands for all staples at reasonable prices, on good terms. Prices are steadily advancing. Now is the time to buy. New list free. HORTON & CO., Hope, Ark.

260 A. rich 2nd bot. land, nearly level; springs, running water. 30 a. high land, red sub-soil, no stone. \$8 a. Terms. Write NOW. F. & M. Bank & Trust Co., DeQueen, Ark.

FOR SALE: I have 80 a. dark sandy loam, 50 a. cult., bal. timber, 5 room residence, barns, fine water. 5 mi. to Cabot and in fine white neighborhood. Price \$18 per a. if sold soon. W. M. Hudson, Cabot, Ark.

OKLAHOMA

INDIAN LANDS eastern Okla. rain belt. Write J. J. Harrison, Pryor, Okla.

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

20 FINE farms, bargains. N. E. Okla. valley. Dennison & Griswold, Claremore, Ok.

KAY COUNTY corn, wheat and alfalfa lands, \$20 to \$75 per acre. New list free. N. E. SAYLOR, Newkirk, Okla.

FOR SALE—An alfalfa farm of 160 acres in Grant county, Oklahoma, 85 acres of which is now seeded to alfalfa. F. L. PATTEN, Kingfisher, Oklahoma.

800 ACRES black land, 2 1/2 miles from railroad. 450 acres in cultivation, 4 sets of improvements. \$30 per acre. E. HOLCOMB, Durant, Oklahoma.

BEST alfalfa farm in Oklahoma. 90 a. growing alfalfa, 25 a. wheat, 25 a. oats; 3 mi. hog tight fence; one-half mile to \$50,000 federal building. The greatest bargain ever offered. One-half mile to this city. C. W. Smith, Kingfisher, Oklahoma.

CADDO COUNTY WINS First on agricultural products at State Fair. Write for information, corn and alfalfa lands. Baldwin & Gibbs Co., Anadarko, Okla.

INDIAN FARMS for sale in rain, corn and oil belt of N. E. Oklahoma at from \$15 to \$35 per acre. Easy terms. A perfect title is guaranteed. For description and prices write the owner, W. C. WOOD, Nowata, Oklahoma.

WRITE US FOR DESCRIPTION OF FARM That pays 10% cash income this year and that we guarantee to pay 9% on cost price next year. Also inquire about pasture land at \$3.50 to \$90 per acre. SOUTHERN REALTY CO., McAlester, Okla.

1192 A. RANCH. 300 acres in cultivation, 60 acres in alfalfa, all fenced and cross fenced, 500 a. of bottom land, two miles running water, 7 room house, good water, 4 miles from R. R. town. Will sell or trade. Write for full information. CHOWNING & OARE, Cherokee, Okla.

MISSOURI

25 OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

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

HOMESEEKERS farm list. Southwestern Land & Imml. Co., Springfield, Mo.

Chicken ranch, \$600. Terms. Other farms. Pictures, maps, free. Box 594, Mt. View, Mo.

FREE, "The Ozark Region." Contains new list cheap lands, and valuable information. Durnell & McKinney, Cabool, Mo.

\$,080 ACRE stock ranch for less than half its value. For information address owner, A. J. Johnston, Merchants Nat'l Bank Bldg., Springfield, Mo.

WRITE for list improved farms in heart of Corn Belt (Northwest part of State). H. J. Hughes, Trenton, Missouri. Seller of Missouri Black Dirt.

\$5 DOWN, \$5 monthly, buys 40 acres; fruit, poultry, grain land near town. Price \$200. \$10 monthly buys 80 acres. Address Box 372-R, Carthage, Mo.

LAND BARGAINS—\$5 down, \$5 monthly buys 40 acres, good timber land, south Missouri; price \$200. Perfect title. Write for list Mo. lands. Fred Jarrell, Mt. Vernon, Ill.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$6 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON REAL ESTATE CO., Anderson, Mo.

I HAVE for sale fine farms from 40 a. to 1,000 acres, at \$5 per a., and up, in one of the best counties in the state of Missouri; new railroad now building. For list and particulars write W. D. Blankenship, Buffalo, Mo.

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

FOR SALE. Your chance! Act! \$5,760 is the benefit or added value of the average 160 acres as reported by the commissioners appointed by the court to find the benefits on the 63,000 acres in our new levee and drainage district. These are as fine corn lands as can be found. As we are selling these lands at \$30 an acre the man who buys now before work begins on these improvements will get the increase in value. Free literature and further information furnished bonafide inquiries. EDWARDS BROS. REALTY CO., New Madrid, Mo.

A SNAP—120 acres Vernon Co., Mo. 10 mi. Eldorado Springs. Valley land; in cultivation; 4 room house. Barn and orchard. J. R. Ford, Agt., Eldorado Springs, Mo.

BATES COUNTY FARMS ranging from 40 to 800 acres; \$40 to \$75; located 60 miles south of Kansas City, Mo. J. D. SAGE, Amsterdam, Mo.

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

MISSOURI AND KANSAS FARMS. We can show you some splendid farm values. We have an excellent farm of 240 acres. SPECIAL PRICES and TERMS! Ask us about it. STIPP & CHAPPELL, Merwin, Mo.

OZARK LANDS FOR SALE. 40 a., all fenced with woven wire, 36 a. in cultivation, bal. pasture, new 5 room house, large barn and other outbuildings, fine water, 1/2 mi. school; mortgage \$500 due 4 yrs. at 5 1/2%. Price \$1,400. List free. JAS. B. WEBB, West Plains, Mo.

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

A Remarkable Bargain

320 A. all level land, 65 a. in cult., 80 a. pasture; bal. saw and tie timber. 180 fenced, wire and rail; 9 room house, good well at house; barn 70x76; good well at barn; smoke house, other outbuildings; phone in house; handy to school and church; 6 mi. to North View on Frisco R. R. 5 mi. to Fairgrove; 8 mi. to Co. seat, Marshfield; price \$17,600. Incumbrance \$5,000, 5 per cent. due 6 years; will exchange for good Kansas farm. Will assume as much as \$9,000. What have you to offer? See or write PURDY & COMPANY, Springfield, Mo.

Ozark Unimproved Farm Bargain

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

CANADA

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

NEW YORK

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

FOR SALE OR EXCHANGE

GROCERIES for land or land for mdse. F. Gass, Joplin, Mo.

OZARK farms and mdse for sale or trade. Noah Atkinson, Marshfield, Mo.

FOR results list your property for sale or exchange with S. H. Rhea Real Estate and Auction Co., Moline, Kan.

960 A. Trego Co.; 200 creek alfalfa land, impr. \$24,000. Would consider good 160 acre farm for part. Stevens & Ruby, Stockton, Kan.

PROPERTY owners, if you want a quick trade list with us. Now preparing new list. Send for listing blank. Buxton Land Co., Utica, Kan.

200 A. stock farm E. Kan., 40 a. alfalfa land, \$45 a. cash. 160 a. Pawnee Co., Kan. 135 a. wheat. Trade for E. Kan. 80. J. W. Watkins, Quenemo, Kan.

HAVE a fine 1,120 acre stock ranch to trade for small place as part pay and give good terms on difference. \$15 a. clear. Write Walter A. Doerschlag, Ransom, Kan.

WHAT have you to trade for Arkansas level cutover land? Close to railroad; no overflow; no negroes; no rocks. Shaeffer Land Co., 640 Reserve Bk. Bldg., Kansas City, Mo.

SNAP—Good flour mill in heart of grain belt. Cash price \$15,000 clear. Would exchange for good land. Full description on request. A. W. BREMEYER & CO., McPherson, Kan.

FREE—Loose Leaf Exchange Book. It will match your trade. Write Desk A. E. P. JOHNSON, Ordway, Colo.

FOR EXCHANGE. 160 a. near Ft. Morgan, Colo., at \$10,000 and 63 a. near Brush, Colo., at \$150 per a. Both farms clear. Walter Hanson, Sabetha, Kansas.

FOR SALE—Choice wheat, corn, and alfalfa lands in Clark, Ford, and Meade Cos. Write for list, traders. NATE NEAL, Real Estate, Minneola, Kan.

CHOICE alfalfa land for sale or exchange; from 40 acres to a section. Also a few extra good bargains for cash. CHAS. D. GORHAM, Garden City, Kan.

640 acres 6 miles from Ingalls, Gray Co., Kan. All tillable, 170 acres in cultivation, 320 acres under fence, good well, house, and barn, \$17.50 per acre. Terms, \$5,200.00 cash, balance time at 6% interest. Will take automobile as part payment. Address James Pizinger, Holsington, Kan.

Grocery Stock Wanted!

In exchange for one or two good quarters of fine land in east end Hodgeman county, Kansas. Land is clear, but want mortgage back on land for one-third value. Don't write about anything else. Don't want buildings. M. W. PETERSON, Hanston, Kan.

TEXAS

FREE. Taylor's Texas Investor (Magazine). A money saver, write now; six months free. H. S. Taylor, Houston, Tex.

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

GERMAN CATHOLIC colonization proposition. 6,000 a. in South Texas, near Co. seat; good church and schools; 9-10 population. German Catholic. \$20 per a. Also smaller tracts. D. W. GRANT, Palacios, Texas.

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

GOOD FARM AND RANCH near station in Montgomery county, Texas. 1/2 black land, 3 residences; 5 tenant houses; 1/2 cultivated, all fenced. 600 acres at \$16 per a. WINSTON McMAHON, 708 Union National Bank Bldg., Houston, Tex.

HALF THE PRICE You pay in the North, or less, will purchase prairie land, 160 acres up. Will yield 40 bushels corn per acre, only \$40 per acre. Plenty rain, fine climate. Have some exchanges. See or write JNO. C. PENN LAND COMPANY, Houston, Tex.

TEXAS LAND FOR SALE. A choice 40 acre tract, within 2 ml. of Imperial, Texas, and 5 ml. of Buena Vista. On the Zimmerman project, water now on. Selling for \$80 an acre; will take \$60 if taken at once. Owner hasn't time to look after it. F. Salter, Girvin via, Rankin, Tex.

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

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.

Mid-Coast Country of Texas

Lands in tracts to suit. Prices are rapidly advancing. NOW is the time to buy. New list and free abstract of information. INFORMATION BUREAU LAND CO., Bay City, Texas.

FLORIDA

FOR SALE BY OWNER: Four very desirable improved pieces of property in Alachua county, Fla. 90, 20, 30 and 30 acre tracts on large lake. Not to be classed with the ordinary Florida lands being offered for sale. Terms to suit customers. T. S. McMANUS, Waldo, Fla.

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

WRITE Fred L. Kent, Uniontown, Bourbon Co., Kan., for honest prices on farms.

TRADES everywhere. Get our large list. Burrow's R. E. Ex., Warm Springs, Ark.

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

WE HAVE a section of unimproved Sherman county land that we can trade for a stock of mdse. or good clear rental property. Kysar Realty Co., Goodland, Kansas.

\$9,000 STOCK of mdse. to trade for land. Exchanges made. Buyers found. Can trade anything. Send for list. H. E. Petty, Neodesha, Kan.

280 A. Ness Co., Kan., well improved; price \$30 per a. Mtg. \$4,000. Wants 5 or 10 a. Write for information. Good time to list now. Owner's Sale & Exchange, Independence, Ks.

FOR SALE AND EXCHANGE. Washington Co. improved farms at \$50 to \$180 a. Write F. E. Beeson, Washington, Ks.

FOR SALE OR EXCHANGE for hardware, (other property considered), 2 quarter sections land, 1 quarter for rent, possession this season. For particulars, address Box 44, Wayne, Kansas.

Buy or Trade with us—Exchange book free. Bersie Agency, Eldorado, Ks.

For Sale or Exchange Land in the great corn belt of Missouri, Kansas and Nebraska. Also Ranches. If you wish to make an exchange address M. E. NOBLE & SON, 507 Corby-Forshee Bldg., St. Joseph, Mo.

For Sale or Trade \$4,200.00 first mortgage due in less than two yrs. at 6% on 313 acres of land in St. Clair Co., Mo. near Appleton City. Want merchandise of equal value or about, hardware preferred. 160 acre well improved farm within 4 ml. Valley Falls, Kansas. Want 80, 200 or 240 acres in Missouri within 60 miles of St. Joseph. Price \$100.00 per acre and worth it. Inc. \$2,000.00. W. L. BOWMAN REALTY CO., King City, Mo.

COLORADO

EASTERN COLORADO—The new homestead law. Bargains in relinquishments. Farm land. You can buy it, if you try it; come and see it and you will do it. Lock Box 713, Garden City, Kan.

GOLDEN opportunities for a home and investments—NOW. Fine farms, ranches, \$8 to \$10 per a. A few relinquishments. Did you see "bleeding, arms-receiving Kansas" become the wealthiest state per capita? Only a few hours' west of Salina, no finer soil on earth; 50 schools, 4 banks, churches, best of Colorado. Now. Pamphlet. R. T. CLINE, Towner, Colo.

THE INTERNATIONAL REALTY & INV. CO. 618-20 Gas and Electric Bldg., DENVER, COLORADO. Write us for highly improved irrigated and dry farms, choice Fruit Tracts in Colorado, and City Property in Denver.

ARIZONA

ARIZONA for good government land. Climate healthy, summers cool, winters mild, soil fertile. Grain, fruit and dairy. 200 mile auto ride through valleys. ELGIN COMPANY, 723 Finance Bldg., Kansas City, Mo.

CALIFORNIA

CALIFORNIA alfalfa and fruit lands. Only \$50 to \$110 per acre including water right. Terms, one-fourth cash, bal. 8 payments commencing second year. Send for booklet 161. Agents wanted. The Cal-Tex Inv. Co., 908 Security Bldg., Los Angeles, Cal.

LOUISIANA

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

"The Building of the Silo." "To build a better silo, a stronger silo, one that is rigid and immovable, a silo that is different from the common stave silo, has been our ambition and end to which we have worked." That is the statement which accompanies one of the most complete and attractive silo books we have ever seen. The book is called "The Building of the Silo" and is published by the McClure Company, Saginaw, Mich. It describes in detail the construction of the Saginaw silo with its all steel door frame, its inner anchor, the angle steel rib, and other special features which have made the Saginaw so successful. In addition to this the book contains a series of valuable articles on silage with a discussion of its feeding value for different kinds of stock, the selection and culture of silage crops and other matter of interest to the farmer. While the book is evidently an expensive one the McClure Company will be glad to send a copy to Farmers Mail and Breeze readers.

WHAT BREEDERS ARE DOING

FRANK HOWARD, Manager Livestock Department.

FIELDMEN.

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

PUREBRED STOCK SALES.

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

Percherons.

May 21—J. C. Robison, Towanda, Kan.

Poland China Hogs.

May 7—C. L. Branic, Hiawatha, Kan.
May 27—H. C. Graner, Lancaster, Kan.
Sept. 6—J. C. Stalter, Jasper, Mo.
Oct. 21—H. B. Walter, Effingham, Kan.
Oct. 15—R. B. Davis, Hiawatha, Kan.
Oct. 17—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
Oct. 25—H. C. Graner, Lancaster, Kan.
Oct. 25—J. W. Leeper, Norton, Kan.
Oct. 28—W. R. Webb, Bendena, Kan.
Oct. 29—Walter Hildwein, Fairview, Kan.
Oct. 30—Harry Wales, Peculiar, Mo.
Oct. 30—Merton Williams, Valley Falls, Ks.
Nov. 5—R. B. Davis, Hiawatha, Kan.
Feb. 10—H. B. Walter, Effingham, Kan.
Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
Feb. 13—J. E. Willis, Prairie View, Kan.
Feb. 14—J. E. Foley, Orinogue, Kan.
Feb. 17—L. E. Klein, Zeandale, Kan.
Feb. 18—J. H. Harter, Westmoreland, Kan.
Feb. 19—J. L. Griffiths, Riley, Kan.

Duroc-Jersey Hogs.

May 5—S. W. Alfred & Sons, Enid, Okla.
Oct. 17—Moser & Fitzwater, Goff, Kan.
Oct. 25—J. W. Leeper, Norton, Kan.
Oct. 26—J. W. Leeper, Norton, Kan.
Oct. 31—A. M. Rinehart & Son, Smith Center, Kan.
Nov. 1—N. B. Price, Mankato, Kan.
Nov. 5—W. E. Monasmith, Formoso, Kan.
Jan. 28—W. E. Monasmith, Formoso, Kan.
Jan. 29—N. B. Price, Mankato, Kan.
Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.
Feb. 9—E. A. Trump, Formoso, Kan.
Feb. 10—Agricultural College, Manhattan, Kan.
Feb. 11—Thompson Bros., Garrison, Kan.

Hereford Cattle.

May 6-7—Breeders' sale of Herefords, Kansas City, Mo. R. T. Thornton, Mgr., 1317 E. 15th St.

Shorthorn Cattle.

April 22—George Allen & Sons, Lexington, Neb., at South Omaha.
June 4—John M. Bay, Aledo, Ill.
June 6—C. S. Nevius, Chiles, Kan.
June 10—Beilows Bros., Maryville, Mo.
June 11—H. Rees & Son, Omaha, Neb.
June 12—Owens Bros., Williamsburg, Ia.
June 13—Whittsit Bros., Preemption, Ill.

Aberdeen Angus Cattle.

May 27—P. J. Donahoe, Williamsburg, Ia.
Oct. 22—W. F. Eckles, Green City, Mo.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

Have you bought your jack yet? The one that will command the patronage of the men who are raising the very best mules and who will patronize only the best breeding jacks. If not you better get in touch with J. C. Kerr, Wichita, Kan. Please mention this paper.

Stith's Durocs.

Chas. Stith, Eureka, Kan., has had success with his spring crop of pigs. They are the best lot of spring pigs Mr. Stith ever had. The one thing that most impressed the writer on a recent visit to this herd is the wonderful breeding quality of Mr. Stith's herd boar, Model Duroc. His pigs have unusual bone and size and exceptional style and quality. His litters are large and uniform with a picture of himself stamped on every pig. Even the commoner sows farrow fancy litters. Model Duroc is by Dandy Duke, reserve champion at the American Royal. His half brother, Beauty's Babe, was grand champion at Hutchinson, 1911, and his half sister was grand champion at Topeka the same year. If you want a sow or gilt bred to this good sire or a young boar or a few gilts by him write your wants today, mentioning this paper.

The Casino May Sale.

We are glad to announce to our readers that J. C. Robison of Towanda, Kan., will sell at his Whitewater Falls Stock Farm on May 21, a draft of his Percherons including both imported and home bred animals. There will be 25 imported yearling stallions and fillies, blacks and dark greys, all acclimated; five American bred stallions and fillies, yearlings; some of these are sired by Casino; 10 young stallions old enough for service; one yearling filly sired by Imprecation, champion at Chicago, 1911 and 1912, probably the only filly sired by Imprecation in America that is for sale; one yearling filly by Intitule, selected to represent the Percheron breed at the Olympic in London last year and the highest priced Percheron stallion imported from France to America last year; yearling stallions and fillies by sons of Eteudant and Fler A Bras. There will be offered in this sale mares weighing a ton or more with

colt at side and bred again to Casino; imported mares with colts at side and bred to Casino. Practically all the mares old enough are well broken to harness. Mr. Robison thinks this is the cleanest and most valuable offering that he has ever made. The sale will be held at the farm. Special trains from Wichita morning of the sale. Free conveyance to the farm from Towanda.

Duroc Sale at Enid, Okla.

S. W. Alfred & Sons, Enid, Okla., will sell Monday, May 5, an unusually good draft of Duroc breeding stock. Please look up their display ad in this issue and you will note they claim this is the best offering they ever put through a sale ring. Alfred & Sons, in years past, have demonstrated, by their prizes won at state fairs, that their herd not only contained the blood that wins but that they were breeders as well. The writer recently visited this herd and viewed the offering to be sold May 5 and will say he never knew Alfred & Sons to show so good an offering. Those who come to find the good kind will not be disappointed. Think of it; 43 handsome bred gilts and 12 fall and summer boars, rich in the blood of Ohio Chief, Col., Commodore, Kelley's Pilot Wonder and other noted sires. You will say when you come to the sale it is one of the best offerings you ever saw sold in the state of Oklahoma.

Duroc Herd Boars.

W. R. Huston, Americus, Kan., is making attractive prices on fall boars, the kind that will make good. He has also decided to part with two of his herd boars as he must have change of blood lines to continue supplying his neighbors. Mr. Braeder, if you are on the lookout for a real herd header, here is your chance. They are good ones. One is by Superba by Professor and out of a good daughter of King's Col. He was bred by Harry Browning who showed his sire, Superba, winning second in class at the Illinois State Fair, 1910. He will suit some man with a good herd who needs new blood. The other is an outstanding young sire of splendid show yard quality with size, bone, style and everything required to suit the man who is looking for a real good hog to head his herd. He is Golden Model 33d by Golden Model 3d. His sire is more than a half brother to the famous Iowa state champion, Golden Model 2d, whose son after him won the same honors. Golden Model blood has been a strong winner at all the leading northern shows the last few seasons. Golden Model 33d is the kind you need, if you are looking for one of the best. He is a young hog just now a year old, and will put the man who buys him in the hog business and a long way towards the top at that. Write Mr. Huston today for full description, mentioning Farmers Mail and Breeze.

N. W. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Write A. L. Albright for prices on the 40 summer and winter boars and gilts he is offering for sale. They will be guaranteed as represented and are well grown, and in fine condition to go ahead and develop. They are of the best of big smooth type. Poland China breeding and you can't miss it by asking him for further descriptions and prices.

Agricultural College Swine.

Prof. W. A. Cochal and Prof. T. R. H. Wright, of the department of animal husbandry at the Agricultural college, Manhattan, Kan., have claimed Feb. 10 as the date for their annual bred sow sale. Prof. Cochal is the head of the department of animal husbandry while Prof. Wright is at the head of the swine department. Both attended many pure bred sales last winter and both are popular with both farmers and breeders. Seventy-three Duroc pigs and 37 Berkshires make up the spring crop at the college. They will not make a boar sale but will have boars for sale this fall at private treaty.

A Few Bred Sows.

J. G. Burt, Solomon, Kan., breeds Poland Chinas. We visited his herd last Monday and found Mr. Burt to be a very much interested breeder of Polands. His herd is not so large as some but it is good and is

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—J. W. Shope of Frankfort, has purchased a purebred bull, 15 months old, of Glenwood breeding. B. J. Stevenson of Thayer, a 2-year-old bull. W. G. Chrissman of Burlington, an 18-months-old bull. B. F. Manger of Newton, a 5-months-old bull calf, and Chas. Beemer, Burlington, a 15-months-old animal. R. D. Lahman of Bartlesville, Okla., a 10-months bull. All of these were sold as the result of an ad placed in October issues of Farmers Mail and Breeze. R. C. KRUEGER, Breeder of Guernseys, Burlington, Kan.

Farmers Mail and Breeze, Topeka, Kan. I want to thank you for the way that you have treated me and will say that I never in all the advertising that I have done, received as many replies as I did from the ad in your paper. Again thanking you, I am Yours very truly,

S. M. BRADEN, Real Estate Dealer, Sparta, Ill., October 5, 1912.

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

being cared for in good shape. His herd boar in use this season is a yearling bought of Joe Schneider of Nortonville, Kan., and is a very promising young boar. The herd is largely of Expansion breeding. Mr. Burt will hold no fall sale but will have some good boars for sale this fall. His advertisement appears regularly in Farmers Mail and Breeze. Look it up and write him. He is offering at present a few tried sows bred for summer and fall farrow.

Poland China Fall Boars.

L. E. Klein of Zeandale, Kan., has one of the good herds of strictly big type Poland Chinas to be found in the West. He has five or six fall boars for sale and is reserving his fall gilts for his bred sow sale February 17. His herd sows are as good as will be found anywhere and his herd boar, Chief Price, a 2-year-old Iowa bred boar, has the size and quality that it takes to make the profitable kind. He has 50 spring pigs by this great boar. The fall boars he is offering are by this boar and will be priced right to move them quick. He is pleased with the satisfied tone of all the letters he gets from those who have bought of him on mail order. He is a good buyer always and has never been known to buy an inferior animal because it was cheap. We are glad to see him succeed because he is deserving. His bred sow sale should be one of the best of next winter's sales if the fall gilts are early spring gilts he has on hand now are any indication. The whole herd is immune. Write him about a fall boar. He will price him low.

Top Herds Represented.

N. B. Price, Mankato, Kan., is the popular young breeder of Duroc-Jerseys. Last winter he was a liberal buyer of top sows and made many friends at the different sales where he was always a booster and a good buyer. He topped the Monasmith, Myers and Miner sales and has R. J. Harding's word of Macedonia, Iowa, that he bought the best gilt sold in Iowa last season. She was sired by Chief Protection, of Ohio Chief, and her dam was Harding's Model 5th, by Harding's King of Coles. He also bought a top sow in the Leon Carter sale. The herd boars in use in his herd at the present time are Bonney K., one of the best known boars in the state, and Overland Col., by Muncie Col., by Wave-land Col. Mr. Price has had fine luck with his spring crop of pigs and has at the present time 124 pigs. His average of pigs farrowed was 11 with an average of eight saved. He has pigs by 12 different sires all bred close to the top and many of them noted sires. Mr. Price's advertisement will be found in Farmers Mail and Breeze regularly. The date of his boar sale is November 1. The date of his bred sow sale is January 29.

Wills's Poland China Herd.

J. E. Wills, Prairie View, Kan., is a Poland China breeder that has been engaged in the business for a number of years. He is well and favorably known as a breeder of big type Poland China hogs. His spring crop of pigs this season numbers about 100 head. They were sired by his herd boars, Cap Jansen, a grandson of old Mogal's Monarch, and a yearling, by L's Exception and out of a dam by old Sampson. A few of the pigs were sired by Bob Logan, by Chief Logan. Mr. Wills considers Chief Logan one of the best herd boars he ever owned. He was a Peter Mow bred boar and had lots of scale and quality with it. Mr. Wills owns 10 sows, sired by him, that he would not like to part with. The dam of this great boar was sired by Bright Look, probably the first Poland China herd boar from Kansas that ever won first at the Nebraska state fair. A number of the herd sows are granddaughters of old Mogal. There are a few by Blue Valley Blue. Mr. Wills says that this spring is very favorable for all kinds of crops. Wheat is looking fine and the ground is in fine shape for corn planting which will start soon. He is claiming Feb. 13 as the date of his bred sow sale.

Duroc-Jersey Breeding Stock.

E. A. Trump, Formoso, Kan., a breeder of Duroc-Jerseys, is starting his advertisement in this issue of Farmers Mail and Breeze. Mr. Trump is not a new breeder by any means but has been breeding Duroc-Jerseys for several years. He has been a good buyer from leading herds and his foundation stock carries the blood of some of the most noted sires and dams known to the breed. He has at the head of his herd this season yearling boar sired by B. & C's Col. and out of Chief's Gem, by Belle's Chief, of Ohio Chief. He is a very promising yearling and is sure to prove a sire that will add prestige to Mr. Trump's herd. He is the sire of three litters in Mr. Trump's spring crop of pigs and they are among his best litters. The herd sows represent such boars as W. L. A.'s Choice Goods, Buddy K. 4th Wide Awake, and other noted boars. One of the additions to his herd this winter was a fine tried sow sired by Hebron Wonder and for which Mr. Trump paid \$100. She farrowed 10 pigs and saved six of them. They are the finest litter we have seen this spring. The date of Mr. Trump's bred sow sale is February 9. He will not hold a boar sale but the best of his crop of boars will go at private sale.

Griffith's A Wonder Again.

J. L. Griffith, Riley, Kan., is a well known big type Poland China breeder. A year ago last February he made one of the best bred sow sales of the season and everyone was full of praise for the great brood sows they found in the herd. Again last February he made one of the best sales of the season. The great sows in this herd that have caused so much favorable comment among breeders that have visited the herd have mostly come from Iowa herds and many of them at good long prices. Mr. Griffith confided to his friends last season his intention of buying an outstanding herd boar to mate with the great matrons in his herd. Mr. A. J. Swingle of Leonardville, Kan., is a Poland China breeder and a close student of Poland Chinas and a good judge. While on a trip to Iowa visiting prominent herds of that state he found what he considered the great boar his son-in-law, Mr. Griffith, was looking for and the result was that he was purchased by Mr. Griffith and brought to Kansas to head his popular herd. A Wonder Again was sired by Big Prospect, a noted Iowa

boar, and the dam was old Mollie B., a noted sow sired by A Wonder. He is sure to make a great cross on the sows in Mr. Griffith's herd. Mr. Griffith has 90 spring pigs and a nice lot of fall gilts. The date of his next winter bred sow sale is February 19.

Best Duroc-Jersey Breeding.

Samuelson Bros., Cleburne, Kan., are breeders of Duroc-Jerseys, who make annual bred sow sales but no fall sales. The tops from their spring and fall gilts are selected for the entire crop of pigs for this sale and the boars, the best of them, are sold at private sale. The balance are put on the market. When we were there recently we were shown a very fine lot of barrows, of last fall farrow, almost ready for the market. They keep abreast of the times by buying up to date breeding stock. Their herd has steadily grown in quality and popularity. It is one of the recognized good herds. They enjoy a good local trade and last season shipped out a nice lot of boars. They have for sale a few fall boars. They have about 40 fall gilts and will reserve the tops for their bred sow sale. Their crop of spring pigs numbers 165 head. Chief Martial is their leading herd boar. He is a grandson of Belle's Chief, out of The Girl in Red. Worthy Chief is another good sire, by Belle's Chief 2d, and out of a dam by Field Martial. They have a good litter by Sunkist Chief, H. B. Miner's herd boar. If you need a good fall boar at a very reasonable price let them describe what they have. Remember they will hold no fall sale but sell the best at private sale.

Size With Lots of Quality.

J. F. Foley, Orinque, Kan., is a Poland China breeder who is steadily going ahead in the business. His herd numbers 100 head. Last winter he attended the J. O. James sale at Braddyville, Iowa, and was greatly pleased with the James herd. He also attended the Pfander and Fessenmyer sales. He bought some new breeding and added it to his herd with evident good judgment. He has 50 spring pigs and 12 fall gilts and two July boars. Most of the pigs are by King Hercules and a few by Blue Valley Look, a Thos. F. Walker bred boar. John Foley has been breeding Poland Chinas for a long time and has been very successful. He has always bought good ones and has bought from good Poland China families. He is a believer in size but wants lots of quality with it. He has claimed February 14 as the date of his

nual bred sow sale is January 28. Both of these sales will be advertised in Farmers Mail and Breeze as usual. Two herd boars are responsible for this spring's crop of pigs. Kansas Special, one of the great sires of the breed, sired by Valley Chief and out of a Hanley dam is now three years old. He has proven his worth as a sire and is a good individual. Col. Gene, by B. & C's Col. is a young fellow with a bright future. He has a number of choice litters to his credit. Mr. Monasmith, as usual, was one of the best buyers last winter in bred sow sales. He topped the A. M. Rinehart & Son sale, at Smith Center, paying \$132.50 for a daughter of old King of Kant. Be Beat. At the Leon Carter sale he bought five head, all of them close around the top. He has 50 spring pigs.

Jewell Co. Breeders Meet.

On the evening of May 31st the breeders of Jewell county will gather at Mankato for the purpose of forming an organization which will be known as the Jewell County Breeders' association. A banquet is being arranged and a program will be prepared that will be both interesting and profitable. Jewell county is the home of more individual breeders of registered stock than any other county in the state. It has been called the banner corn county of the state and Coburn's figures show it to have more acres of alfalfa than any other county in the state. The principal towns are Mankato, Jewell City, Formoso, Ebron, Burr Oak and Ionia. There are over 50 breeders of purebred stock in the county. Some of them prominent over the state and all of them well to do farmers. Some of this number are not extensive breeders, but growing. The object of this organization is the building up of the purebred stock industry in Jewell county. Everyone interested in better farm animals, and better farming for that matter, will be welcomed as members and are very urgently requested to attend the banquet. The banquet will be prepared by the ladies of some church in Mankato, and the arrangements are being looked after by Dr. W. W. Spencer of Mankato, who would be pleased to hear from everyone interested. Breeders from a distance will be welcome but should notify Dr. Spencer of their intentions to attend at once.

Leeper's Big Type Polands.

J. W. Leeper, Norton, Kan., is a breeder of strictly big type Poland Chinas, but he believes in lots of quality as well. His herd

Watonga, Okla., April 10, 1913.

Mr. Frank Howard, With The Mail and Breeze,
Dear Friend—I am enclosing you check for four hundred and twenty dollars (\$420.00) as per your statement.

I feel that your paper has done me more good than I ever anticipated. I am having a great demand. Sales of my high priced young helters and bulls are very satisfactory. Selling most of the higher priced ones to men in Iowa, Kansas and Missouri.

I sold E. P. Flanagan of Chapman, Kan., five head; Lenora's Searchlight \$350.00, Lavender Queen 5th \$250.00, Rumie's Princess \$125.00, Janette's Princess \$125.00 and Andrie's Princess \$125.00. Five for one thousand dollars.

Mr. Frank Boiler of Mountain View, Mo., four head cows for nine hundred dollars, Bertha Daybreak 2nd \$250.00, Christmas Queen \$250.00, Bell Goods \$200.00, Missie's Lou Ellen \$200.00.

I would be pleased to hear from you at any time and anything I can do to help the good cause along will be cheerfully done. I love the Short-horn business, and can see a brighter future to it than any other business in the world.

William Simon and C. I. Renner of Cunningham, Kan., both bought bulls recently. Yours,

(Signed) H. C. LOOKABAUGH.

bred sow sale and it will be advertised in Farmers Mail and Breeze. He will not make a boar sale but will sell his choice boars at private sale. He is starting his advertisement in this issue and is offering for sale some choice bred fall gilts and tried sows. He will book boars of March and early April farrow any time. Just the tops for sale and they at reasonable prices. His bred sow sale is arranged so it will follow the J. E. Wills sale at Prairie View on the 13th.

Thompson Bros.' Show Herd.

Thompson Bros. of Garrison, Kan., are well known breeders of Duroc-Jerseys. At the Kansas state fair, at Topeka last season they were prominent exhibitors, winning a liberal share of the premiums on their show herd. At the Hutchinson fair they were equally successful. They will go out again this fall and will make the same fair and will likely take in the Nebraska state fair which is the recognized battle ground for Duroc-Jerseys. They have 60 spring pigs and as usual a splendid lot of fall gilts. The tops of the 40 fall gilts and the tops of their spring crop will be reserved for their annual bred sow sale Feb. 11, which will follow the sale at the Agricultural college. The 40 fall gilts are by Golden Chief, a splendid two-year-old boar, that will be seen at the state fairs this fall. The spring pigs are by the same boar and Col. Harris, that won last season and that was first in class and heads the first prize aged herd at Hutchinson. Col. Harris was sired by Ohio Col. by King of Coles and his dam was by Tat's Orion, by Tatarax. He is two years old this spring. Golden Chief was sired by Chief Wonder, by Ohio Chief and his dam was by Pearl's Golden Rule. He is three years old this spring. Thompson Bros.' bred sow sale Feb. 11 will be advertised in Farmers Mail and Breeze.

Monasmith's Duroc-Jerseys.

W. E. Monasmith, Formoso, Kan., is well known to Farmers Mail and Breeze readers as a breeder of Duroc-Jerseys who holds annual sales of both boars and bred sows. We were at his farm two miles out from Formoso, one day last week. His herd is stronger and better than ever. The breeder who strengthens his herd each year is gaining not only in prestige but is getting in position where it is much easier to offer worthy offerings two or three times a year. The date of Mr. Monasmith's annual boar sale this year is November 5, and the date of his an-

numbers about 100 head, 70 are pigs of early spring farrow. There are eight fall gilts by L's Exception. The spring pigs are mostly by Revenue Chief, by Blue Valley Exception. There are three good litters by H. B. Walter's boar Referendum. Tec. Hadley, a 4-year-old sow, weighs right at 800 pounds this minute, and is not fat either. She is as smooth as a ribbon and on the best of feet and legs. She is without doubt the greatest sow in the West. Mr. Leeper showed her two years ago at Lincoln and won first in class and at least half of those who saw her thought she should have had sweepstakes. Most of the herd sows are related to this great sow and Mr. Leeper's herd of sows as a whole is considered one of the best collections of big type sows in the country. Mr. Leeper is undecided about showing this fall but if he should decide to show will be at Topeka with a string of good ones. He has claimed October 25 as the date of his sale and in this sale will put an offering of picked spring boars and gilts and a few very choice fall gilts. He will make a big sale, selling probably 65 head. He expects to raise a lot of fall pigs and is not going to hold a bred sow sale, preferring to sell his choice fall and spring gilts open and let the buyer breed them to suit himself. It will be a superb offering of tops, both boars and gilts. Mr. Leeper expects to buy some new blood this coming winter and wants to be free to attend a lot of bred sow sales during the winter. Not holding a bred sow sale will give him this opportunity.

R. & S. Duroc-Jersey Hogs.

Rinehart & Son, Smith Center, Kan., are proprietors of R. & S. Farm of Duroc-Jerseys. Their farm, which is only two miles out, is a model hog farm in every respect. Their big hog house has 28 stalls and is today housing 23 Duroc-Jersey mothers and their little families. The entire farm is in alfalfa and the hay and seed crop from this farm is very profitable. Our visit to R. & S. Farm last Friday evening extended into the night and was enjoyable. The Rineharts are the best of entertainers but "red hogs" is the paramount issue at the Rinehart home at the present time. There are 160 pigs of spring farrow and all of them except those bought in public sales the past winter were sired by the herd boars owned by them. Rambler's Wonder is a two-year-old boar, bred in Iowa that has proven a most valuable sire and is the sire of part of this spring's crop of pigs. Model Hero is a two-year old boar, sired by

LIVESTOCK AUCTIONEERS.

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

Wm. H. Harper, LIVESTOCK Auctioneer, GLASCO, KANSAS. Phone for Dates.

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

COL. HOMER BOLES, Randolph, Kan. Livestock and General Auctioneer.

Col. D. F. Perkins, Concordia, Kan.
Up-to-date methods in the Auction business. Purebred stock sales and big sales generally. Write for dates.

L. R. BRADY LIVESTOCK AUCTIONEER
Manhattan, Kan. Write or wire for dates.

COL. S. B. YOUNG, Osborne, Kan. Livestock Auctioneer. Write for dates.

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

C. G. DENNEY GUIDE ROCK, Neb. Livestock Auctioneer. Pure bred stock sales and big farm sales. Write or phone.

Will Myers, Livestock Auctioneer Beloit, Kansas. Write or phone for dates. I am located right to give good service.

Col. J. R. LLOYD, ATHOL, KANSAS LIVESTOCK AUCTIONEER. Write for terms and dates, and reference

W. B. Carpenter, Live Stock and Real Estate Auctioneer. Also President Missouri Auction School. 14th and Grand Ave., Kansas City, Mo.

John D. Snyder HUTCHINSON, KANSAS LIVE STOCK AUCTIONEER
Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

Learn Auctioneering
at World's Greatest School and be independent. Write today for free catalog. Jones National School of Auctioneering, Washington Blvd., Chicago, Ill. Carey M. Jones, Pres

MULE FOOT HOGS.
The coming hogs of America hardy; resist disease; the best rustlers known; pigs ten to sixteen weeks old, \$30 pair. Circular free.
DR. W. J. CONNER, LABETTE KANSAS.

Mule Foot Hogs Bred gilts for spring farrows all old. Some choice boars for sale. Am now booking orders for pigs of February and March farrow in pairs not related.
ZENE G. HADLEY, Box D, Wilmington, Ohio

HAMPSHIRE.
WRITE J. F. PRICE, Medora, Kans. For prices on Pedigreed Hampshire Hogs

Pedigreed Hampshires of various ages. Boars at weaning time only. Every hog properly vaccinated. C. E. Lowry, Oxford, Kas
Write Dr. E. G. L. HARBOUR, Baldwin, Kas. for prices on pedigreed Hampshire Poland China and Duroc-Jersey Hogs, all cholera immune.

PURE BRED HAMPSHIRE
Breeding stock all sold. Booking orders for spring pigs.
ALVIN LONG, Lyons, Kansas

SUNNY SLOPE HAMPSHIRE HOGS
Orders booked for early delivery of pairs or trios; also a few bred sows. What you buy of Sunny Slope Stock Farm must be as represented or we will refund your money.
FRANK H. PARKS, Olathe, Kansas. Get off at Lenexa.

CLOVERDALE HAMPSHIRE!
A few gilts open or bred to order for fall litters. Booking orders for spring pigs in pairs or trios not akin sired by my four great boars.
T. W. LAVEROCK, PRINCETON, KANSAS.

DUROC-JERSEYS.
Perfection Stock Farm!
Fall boars and gilts, also orders booked for choice spring pigs by State Fair Champions. Pairs and trios not related. Prices right.
CLASEN BROS., UNION CITY, OKLA.

FALL BOARS BY DREXEL'S PRIDE
the sire of my show hogs. Spring pigs by him and Queen's Wonder 112317, a sensational Crimson Wonder Again yearling. All choice and priced right.
W. T. HUTCHISON, CLEVELAND, MO.

DUROC-JERSEY BOARS
10 head of well bred Duroc-Jersey boar pigs, healthy, with good backs, feet, head and ears, dark cherry color, of popular breeding and priced reasonable, F. O. B. your station if wanted.
ARTHUR A. PATTERSON, Ellsworth, Kan.

TATARRAX HERD DUROCS
Some good fall boars and gilts by the grand champion Tatarax and G.M.'s Tat Col. In good condition and priced right. Write today for further particulars.
Hammond & Buskirk, Newton, Kan.

DUROC-JERSEYS.
Duroc March Pigs \$9.00 and up, by Model Again, Long Lad and Tatarax Boy. R. W. Baidwin, Conway, Kan.

A Fine Offering Fall Boars and Gilts
 Booking orders for spring pigs. Best of breeding.
 R. C. WATSON, ALTOONA, KANSAS.

DUROC - JERSEYS 10 head of well-bred boars and gilts for sale.
 J. R. JACKSON, KANOPOLIS, KANSAS.

White Rock Duroc-Jerseys
 Tried sows and gilts for sale and some choice fall boars. Write
 N. B. PRICE, MANKATO, KANSAS.

E. A. TRUMP, Formoso, Kan.
 Breeder of fashionable Duroc-Jerseys
 Stock for sale at all times. Write for prices and descriptions.

Big Type Durocs
 Sold out of bred sows and gilts. Plenty of fall gilts open. Fall boars with all kinds of quality. Fall sale Oct. 17.
 MOSER & FITZWATER, Goff, Kansas

BRED GILTS I have an exceptionally fine lot of Duroc gilts bred to my prize winning boars for sale, bred right and fed right. Write for prices and description.
 CHAS. L. TAYLOR, OLEAN, MISSOURI

Royal Scion Farm Durocs
 Fashionably bred Durocs. Spring and Fall boars and gilts by the great Graduate Col. 28479 and Col. Scion 100471. Out of choice dams. G. C. NORMAN, Route 10, WINFIELD, KAN.

Deep Creek Herd Durocs!
 Orders taken now for early spring pigs, dams either state fair prize winners or sired by prize winners. Write for low prices.
 C. O. ANDERSON, MANHATTAN, KAN.

Good E. Nuff Again King 35203
 Heads our great herd. Sale average: March 11, sows, \$77.50, and gilts, \$52.00. Write for prices.
 W. W. OTEY & SONS, Winfield, Kansas

Duroc Boars For Sale
 Zeke Col. by B. & C. Col., my great herd boar, also a few of his fall boars, price \$20. Good bone and thrifty. S.C. Buff Leghorn eggs \$1 per 15, \$4 per 100.
 JOHN FERRENUD, HUMBOLDT, KAN.

Stith's DUROCS
 Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions. His sire was a champion. Write today.
 CHAS. STITH, Eureka, Kansas

Dreamland Colonel
 Summer and fall boars and gilts for sale. Everything immune. Nothing but desirable animals offered. Prices reasonable.
 LEON CAETER, Asherville, Kan.

Quivera Place Durocs
 A few, choice summer boars and gilts, sired by Quivera 106611.
 E. G. MUNSELL, Herington, Kansas.

Hillside Herd
 Summer boar pigs, 150 to 200 pounds, at prices to move them. One yearling. Plenty of size, bone and quality. W. A. Wood & Son, Elmdale, Kan.

Bancroft's Durocs!
 We hold no public sales. Nothing but the best offered as breeding stock. 12 choice September boars. September gilts open or bred to order for fall litters. 90 March pigs. Pairs or trios not akin. Prices right. Customers in 8 states satisfied. Describe what you want, we have it.
 D. O. BANCROFT, OSBORNE, KANSAS.

Bonnie View Farm Duroc-Jerseys: Fall and spring pigs. Plymouth Rocks: Eggs in season.
 Searle & Cottle, Berryton, Ks.

\$40 Bred Gilts \$27.50
 833 Boars \$22.50; Fall Pigs, either sex, \$7.50. Write for special introductory offering of Draper's big boned, long, healthy, pure bred, guaranteed Durocs; raised in spring watered, sanitary, filtered air, pure, on pastures and sired. Latest herd of pedigreed Durocs in N. W. Arkansas, shipped from my Ozark White River stock ranch. Address
 W. R. Draper, 10th & Baltimore, N. C., Mo.



POLAND CHINAS.
NEBRASKA TYPE POLANDS Choice summer and fall boars and gilts, by Haden's Big Hadley 2nd, Pan Wonder, and Nebr. Chief. C. C. INGRAM, Bloomington, Neb.

Sunny Side Poland Chinas Sows bred for summer and fall farrow. Stock priced right. Satisfaction guaranteed.
 J. G. BURT, SOLOMON, KANSAS.

Poland China tried sows and fall gilts, bred or open. Big type boars and big mature dams.
 J. F. FOLEY, Oronoque (Norton Co.), Kan.

GREEN LAWN STOCK FARM
 100 spring pigs and 20 fall gilts for sale, representing the leading prize winning, big type Poland China blood lines. J. T. ELLIS, Adrian, Mo.
 Successor to A. J. Erhart & Sons

Harry Hoak's Poland Chinas
 Spring boars and gilts, pairs and trios unrelated. Fashionable big type blood lines. The finest lot of pigs we ever raised. Call or write today. HARRY HOAK, Attica, Kan.

Golden Model, one of the most noted sires of Iowa. Model Hero is a half brother to Golden Model 2nd that sired most of the winning Durocs in Iowa last season. Another herd boar of which they are justly proud is R. & S. Crimson Wonder, a yearling bred by H. S. Allen, of Russell, Iowa and sired by Crimson Wonder Again, out of a Valley King dam. He is one of the best yearling boars we have seen in a long time. Among the good buys they made at public sales this winter was a splendid sow, Muncie's Dream which was sired by Muncie's Chief and out of a dam, by Fitch's Kant. They paid \$100 for her and are mighty proud of her and her seven pigs. She is a great sow and has a great litter. In the John Higgins' sale he bought three head and topped the sale when he paid \$100 for Golden Lady, by Golden Model 11th that was bred to Cherry Col. The other two sows bought were bred to Good Enough Model. Their 160 pigs of March and early April farrow are certainly a fine sight. The Rineharts are students of their business, which is raising the best Durocs they possibly can. They have demonstrated their ability to successfully mate and handle their herd to the best possible advantage. They will hold their boar sale October 31 and their bred sow sale January 31. Both sales will be advertised in Farmers Mail and Breeze as usual.

N. E. Kansas and N. Missouri
 BY C. H. WALKER.

E. E. Wall of Leeton, Mo., is consigning 15 head of Hereford bulls to the breeders' sale at Kansas City, Mo., May 6 and 7. This consignment will include bulls that will appeal to breeders wanting herd headers, farmers wanting useful stock bulls and range men wanting to buy in carload lots. These bulls are about 18 months old.

Ganzdale Holsteins.
 Casper A. Gantz of King City, Mo., is offering in his ad in this issue, a choice lot of young Holstein bulls; either weanlings or bulls old enough for service. These bulls are the produce of dams that are noted for their milk production and combine the blood of three world champions. Mr. Gantz is making extraordinarily low prices to move these bulls quickly. If you need a bull now or will need one soon write about these at once.

Bargain Prices in O. I. C. Pigs.
 Harry W. Haynes of Meriden, Kan., is offering purebred O. I. C. pigs at \$25 a pair, \$35 for a trio or \$45 for a young herd consisting of four animals. These pigs are sired by Brigham 34175 and White Sox Chief 35438. White Sox Chief was sired by Highland Teddy and out of Sunny Queen 2d, the same breeding as sweepstakes boar which weighed 1,250 pounds. Mr. Haynes has 50 fine spring pigs from which to make selection. Write him for further particulars, mentioning Farmers Mail and Breeze.

Branic's Poland Dispersion.
 Breeders and farmers who have lamented and regretted that they were unable to secure enough bred sows will have an opportunity to complete their buying in the dispersion of the Branic herd of Poland Chinas to be held at Hiawatha, Kan., next Wednesday, May 7. And what an opportunity it should be. Forced through illness in the family to give up a work that he has so well started and at a time when he has built it up to a point where the selling is easy, Mr. Branic will be the loser and the buyers the ones to gain. The entire herd, bred sows, fall and spring pigs and the great herd boar, O. K. Lad—all go in this sale and without reservation. Mr. Branic will be at the mercy of the buyers sale day. But if the breeders will buy in the same proportion that they really need such breeding stock, the sale should be a most successful one. Detailed account of the offering appeared in last week's issue. For further information write Mr. Branic for a catalog. But the main thing is—be there sale day.

Expansive Boars Head Many Herds.
 H. B. Walter's herd of big type Poland Chinas, located at Effingham, Kan., has often been called the headquarters for herd boar material. The following list of breeders who have been and are using at the head of their herds boars bred by Mr. Walter and secured from him, bears out this statement. They are: W. E. Williams, Silex, Mo.; M. T. Williams, Valley Falls, Kan.; Herman Groninger & Sons, Bendena, Kan.; W. R. Webb, Bendena, Kan.; T. E. Durbin, King City, Mo.; Joe Schneider, Nortonville, Kan.; S. W. Tilley, Irving, Kan.; L. H. Grote, Morganville, Kan.; John Kemmer, Mankato, Kan.; L. E. Gladson, Bollivar, Mo.; W. E. Long, Meriden, Kan.; F. A. Tripp, Meriden, Kan.; R. B. Davis, Hiawatha, Kan.; and The Henley Ranch, Green Castle, Mo. This is only a partial list as we call them to mind, but it goes to show that the Walter herd has supplied a great many of the most prominent herds with herd heading material. It must be a great source of satisfaction to a breeder like Mr. Walter to know that his efforts have been appreciated and his judgment and ability to breed good stock, is backed up by so many of our best breeders. For the most part these have been Expansive boars, which in itself is sufficient proof that they go out and make good.

Big Hereford Sale May 6-7.
 Much interest has been manifested in the big two days sale of Hereford cattle to be held at Kansas City, next week, Tuesday and Wednesday, May 6 and 7. This interest is justified. At no time in the past eight or 10 years have Hereford cattle been better property nor the demand for them so keen as today. On top of that this offering will be one of the biggest and best of the season. It is one of the last sales to be held before fall and the farmers and breeders realize that this is a glorious opportunity—and about the last one to select in numbers for their pastures this summer and they are anxious to take advantage of this time to lay in a few good females or to get a new herd bull. Over 100 head have been listed for this sale which is made up of consignments from several of the leading herds of the west. Consignments from breeders whose names

POLAND CHINAS.
100 SPRING PIGS Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; orders booked for May and June delivery. W. Z. BAKER, Rich Hill, Mo.

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

LARGE WITH PLENTY OF QUALITY!
 Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers Satisfaction guaranteed on all breeding stock.
 OLIVIER & SONS, DANVILLE, KANSAS.

Schneider's Poland Chinas
 Can furnish choice summer and fall pigs, pairs or trios, not akin, by Guy's Expansion and Goldust Hadley. All of breeding age and priced to sell.
 JOE SCHNEIDER, Nortonville, Kansas.

HOWARD R. AMES, MAPLE HILL, KANSAS
 No sales March pigs sired by big type boars and out of big sows for \$10 each to July 1st. Both sexes. Certificate with each pig. Address as above. Satisfaction guaranteed.

NEBRASKA BIG TYPE BOARS
 Some outstanding September boars by Referendum 56923 and out of Whiteface Queen. Real Herd Header material priced low to make room.
 A. N. WAECHE & SON, Riverton, Nebr.

Big Type Poland!
 Young boars ready for service and open gilts ready to breed. They are strong in the blood of Big Hadley and A Wonder. The big smooth kind. Every description guaranteed. Call or write.
 A. R. ENOS, RAMONA, KANSAS.

45 BRED SOWS AND GILTS
 Poland Chinas, in public sale, Thursday, April 3rd. Also a few choice fall boars in same sale or at private sale. Hogs of a higher order but priced within the reach of all.
 ROY JOHNSTON, South Mound, Kansas

COLUMBUS
 The 1050-lb. Grand Champion, 1912, Nebraska, Kansas, Missouri and American Royal, heads my herd
Big Type Poland Chinas
 R. B. BAIRD, Central City, Nebraska

EXPANSIVE CHIEF FOR SALE!
 One of the greatest breeding sons of the great Expansive. A 2-year-old and a proven sire. Also a few extra toppy fall boars—herd headers—by Expansive Chief and Long King's Best. All are immune from cholera. I have just the boar you want.
 H. B. WALTER, EFFINGHAM, KANSAS

Robinson's Mammoth Poland Chinas!
 My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and I return your money.
 F. P. ROBINSON, Maryville, Mo.

BIG TYPE UNPAMPERED BERKSHIRES
 200 sows bred to Fair Rival 10th, King's 4th Masterpiece, Trusttype, King's Trusttype, and the great show boar King's 10th Masterpiece. All long large and heavy boned. Sows farrow all through April, May and June. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth.
 E. D. KING, Burlington, Kansas

EX B. by EXPANSIVE one of the greatest breeding boars of the day heads my herd of over 250 head. Two extra good boars by him, August farrow, for sale. Also choice line of fall gilts, open. Booking orders for spring pigs. Write or call.
 W. R. WEBB, BENDENA, KANSAS.

Pleasant Valley Stock Farm!
Big Boned Poland Chinas
 H. C. LOOKABAUGH, Prop.
 We are now offering a few choice fall boars at choice prices. They are the kind that make good. Satisfaction guaranteed. Address
 L. W. CUTRIGHT, Mgr., Watonga, Okla.

Two Extra Good Herd Boars for Sale
 Golden Model 33rd 131273 and Superba 2nd 126117, also a few good fall boars. We are making the price right on these boars. Call or write today. W. R. HUSTON, Americus, Kan.

55 Head of DUROCS
 Sell from the ENID DUROC FARM
Enid, Ok., Monday, May 5
 43 Bred Females, 12 Fall and Summer Boars

Four of the Greatest Boars of the Breed and Most Fashionable and Valuable blood known, Combined with the best of individuals head our herd, namely: Alfred's Col., Dew Drop Chief, Pilot Chief's Col. and Tattletale's Volunteer.

This offering is sired by Alfred's Col., Dew Drop Chief and Pilot's Col., and bred to the four boars referred to above. The dams of this offering are by such boars as B. F.'s Ohio Chief, Top Commodore, Pilot Wonder's Chief, I Am Advance, Red Wonder and G. C.'s Col. Every hog in this sale is at least either a granddaughter or a grandson of a champion. They are all in good flesh and in splendid breeding condition. This is our 13th sale and is the best offering, all considered we ever put through a sale ring either in Iowa, Kansas or Oklahoma. We also offer three registered Shorthorn bull calves, coming yearlings, of high quality. Sale held in tent, rain or shine. Send for catalog today. Address

S. W. ALFRED & SONS, Enid, Okla.
 Auctioneer—Fred Reppert. Fieldman—A. B. Hunter.

BERKSHIRES.

LEON A. WAIT'S Berkshires

A good herd at Winfield, Kan., headed by Lord Duke 3d, 192902.

Hazlewood's Berkshires! Choice spring boars and gilts priced to sell. Write today. W. O. Hazlewood, R. 8, Wichita, Kansas

O. I. C. SWINE.

O. I. C. Pigs Pair, \$25.00. Harry Haynes, Meriden, Kansas

BOOKIN'S O. I. C. HOGS. Booking orders for spring pigs by five different boars, out of sows not skin. Priced to sell. F. C. BOOKIN, RUSSELL, KANSAS.

CHESTER WHITE HOGS Good quality, either sex, the short nose kind. Write for prices. FRANK PROCHASKA, Glasco, Kans.

Grand View Stock Farm Choice O. I. C. fall gilts, bred or open. White Wyandotte chickens. Eggs for sale now. Stock in season. Write for prices. ANDREW KOSAR, GLASCO, KANSAS.

O. I. Cs., Oxford Down Sheep, BARRED ROCKS 2 good boar pigs, large enough for service of the big bonded, growthy kind. Also a few extra good gilts, bred to Commodore and out of Climax, one of "The kind that" W. W. WALTIRE & SONS, Peculiar, Missouri

Neef's Cholera Immune O. I. C's. Pure bred seeds and S. C. R. I. Reds. Hogs all ages for sale at reasonable prices. Booking orders for spring pigs—boars and gilts. Have choice lot Reid's Yellow Dent, Boone Co. White and Cartner's seed corn at \$2.00 per bu. shelled and \$3.00 in ear. Recleaned Texas Red Rust Proof seed oats and seed rye. Some fancy S. C. R. I. Red cockerels at \$1.00 and \$2.00 each. Eggs for setting \$1.00 per 15, \$4.00 per 100. Riverside Farms, J. H. NEEF, Boonville, Mo.

HOLSTEINS.

Registered Holstein Bulls!

Only 5 ready for service, and seven 8 to 12 months old left. Sired by King of the Butter Kings, \$10,000 Milk and Butter King, and King Segis Hengerveld, nearly all out of A. R. O. dams. Prices \$85 to \$125. No females.

ROCK BROOK FARM Station B. Omaha, Nebraska.

SHORTHORNS.

SHORTHORNS A bargain in a year-old bull. This bull is right in every respect. Also some young bulls. L. M. Noffsinger, Osborne, Kan.

SHORTHORN CATTLE POLAND CHINA SWINE and CLEVELAND BAY HORSES. All stock pedigreed. Prices reasonable. Thos. B. Murphy & Sons, Corbin, Kan.

Shorthorn Bulls

20 yearling bulls. Grades and pure bred. Good proposition for ranchman! Bred Berkshire sows. Daughters of Artful Champion 229065 bred to Jardy. Daughters of Danesfield Duke 10th 130879 bred to Robinhood Premier 2d 140430. These hogs are immune. W. J. GRIST, OZAWKIE, KANSAS.

Glenwood Farms Announce

Shorthorn Sale, bulls and cows, June 6, 1913. Can spare no more bred sows. Have a few choice boars left. Plenty of Shorthorns, always. We build the most complete concrete silo yet offered the public. Have several on our place. They are a success. Write for particulars. Address, C. S. NEVIUS, CHILES, KAN.

Pearl Herd of Shorthorns

Young bulls up to 13 months of age, either Scotch or Scotch-Topped breeding. Well grown and in good growing condition. Can ship via C. R. I & P., A. T. & S. F., U. P., and Mo. Pac. Address

C. W. TAYLOR

ABILENE : : KANSAS

DAIRY CATTLE.

OAK HILL HOLSTEINS

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

Register of Merit Bull—Jersey

Year old. Solid fawn. Son of Flora's Golden Fern, 4 in R. of M. Dam Sultan's Beauty, 52 lbs., 1 year, when 23 months old. \$150.00. Bargain cannot be equalled. R. J. LINSOTT, Holton, Kansas

HOLSTEINS

FOR SALE: Thirty head extra selected high-grade Holstein cows and heifers. Two registered bulls, "yearlings". ARNOLD & BRADY, MANHATTAN, KAN.

insure buyers of the best. Their reputation in the Hereford business is a guarantee. The catalogs give a full and complete description of the cattle to be sold and will be mailed upon request to R. T. Thornton, sale manager, 1317 East 15th St., Kansas City. But don't stay away if you fail to get a catalog. The offering justifies the patronage of any man who is in the market for top breeding stock of this popular breed.

Cholera Immune O. I. C's.

One of the big breeding establishments of Missouri is the Riverside Farms herd of O. I. C's owned by J. H. Neef, of Boonville. Not only is it one of the largest O. I. C. herds in the state, but Mr. Neef has built up a reputation for square dealing and good stock that has in turn built up a trade of large proportions. The best boars obtainable are used in this herd. These boars mated to the best individual and producing sows—get results. They get results that are pleasing to Mr. Neef's customers and to Mr. Neef. The bred sows that have been advertised are all sold and Mr. Neef is now booking orders for spring pigs, boars and gilts. The custom of shipping pairs or trios not related is one of the features of this herd and orders come to Mr. Neef from all parts of the country. Write if interested for further information and prices of the stock for sale.

S. E. Kansas and S. Missouri

BY ED. R. DORSEY.

John Perrenoud, of Humboldt, Kan., breeder of Guernsey cattle, Duroc-Jersey hogs and Buff Leghorn chickens, is changing his ad this week from the dairy cattle column to the Duroc-Jersey column. Mr. Perrenoud is offering his herd boar Zeke Col., by B. & C's Col.; also a few fall boars sired by him. There is no better blood in the Duroc-Jersey breed than is represented in this herd boar. Mr. Perrenoud is also offering eggs from his flock of S. C. Buff Leghorns. For prices see the ad in this issue.

Cloverdale Hampshire Hogs.

T. W. Lavelock of Princeton, Kansas, sends in change of copy for his Hampshire hog ad. He is now offering gilts open, or bred for fall litters, and spring pigs in pairs or trios not related. The gilts will be bred to either of the four herd boars and the spring pigs are sired by these boars. Mr. Lavelock has one of the largest herds of Hampshires in Kansas. He was the first man to make a public sale of these hogs west of the Missouri river. He has had a splendid trade on his hogs and they have universally given satisfaction. Mr. Lavelock says that his spring pigs are nicely marked. Write him for prices.

Draper's Ozark Durocs.

Arkansas has been for some time coming to the front ranks of high class hog producing. The razor back is now taking to tall timber. It is a well established fact among stockmen there is no healthier and better place to mature stock, quickly, than in the Ozarks of northwest Arkansas. With purebred Durocs from some of the best herds of the country, W. E. Draper, a Kansas City man, went into Washington county, Arkansas, some time ago, bought one of the best stock ranches near Springdale, obtained the services of a German stock raiser, and began purebred hog raising. How well he has succeeded is best known in his district, where it is conceded he has the finest hog herd. Draper's Durocs are scientifically managed from the time they are born. The production of bone and muscle being the main object. The Draper pastures are so managed that the hogs are always grazing, either on nuts, herbs, peanuts, cowpeas, clover, or some healthful nutrient. These hogs will surely infuse health and strength into your herd. Read the advertisement now running regularly in Mail and Breeze, and then send him an order. Satisfaction is guaranteed.

W. Iowa and N. Nebraska

BY GEO. W. BERRY.

Always Buy the Best.

J. T. Ellis of Adrian, Mo., recently bought the Green Lawn Stock Farm and the prize winning Poland China herd of A. J. Erhart for \$54,000, and will continue the fine stock business where Mr. Erhart left off. This is one of the best herds in the United States. Mr. Ellis came from Ness City, Kan., where he owned a large ranch of 3,000 acres but was formerly from Cooper county, Missouri. He was raised in the stock business. Green Lawn is nicely located and is by far the best improved farm owned by any breeder of Poland Chinas we have ever seen. It is an ideal place for a home as well as for business. At the head of the herd is Young Hadley 57562 by Belle 126243, by McDani. He is assisted by Big Spot, 47595, by Pawnee Blain 47589, out of Miss Tip Top 114926, by Tip Top Dude. This is the hog that was used in the H. L. Faulkner herd for so long and afterwards in Green Lawn Stock Farm herd. We mention a few of the many good sows now owned at Green Lawn stock farm. Butler Maid 158538, by Dan Hadley; White Face Queen 3d 158536, by Major B. Hadley (Gr. Champion); Josie L. 5th 14785, by Grand Look; Miss King 145338, by Long King 45837; Green Lawn Lady 145535, by Big Spot; Lilly Wonder 148878, by John Wonder; Josephine 3d 158537, by Young Hadley; Louis Hadley 155137, by Major B. Hadley; Giantess 10th 134532, by Matchless Perfection; Kansas Queen 7th 127061, by Expansion John; Miss Rose 126234, by King Blain; Cloverdale Maid 3d, by Longfellow and Big Dame 14750, by Big Bone Mow.

Allens' Shorthorns Average \$321.

The sale of Shorthorns held by George Allen & Sons of Lexington, Nebr., at South Omaha on April 22, attracted a large attendance from Nebraska and surrounding states. While many farmers participated in the auction, and the names of several new buyers appear in the sale list, the presence of prominent breeders, who were among the most active buyers, is a high testimonial to the character of the offering. The cattle sold on this occasion comprised a choice selection from

DAIRY CATTLE.

Holstein-Friesian Bulls

Prices right. H. N. HOLDEMAN, Meade, Kan.

FOR SALE 35 head of choice young dairy cows, fresh and springing. Special price on herd. Jack Hammel, 215 Adams St., Topeka, Kan.

HOLSTEINS FOR SALE 80 head registered heifers and large bulls. 38 head milking and coming fresh grade heifers and cows. M. F. KNUDSEN, Concordia, Kansas

HOLSTEINS —CHOICE BULL CALVES H. B. COWLES, TOPEKA, KANSAS.

DAIRY CATTLE.

BANKS' FARM JERSEYS

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

BONNIE BRAE Holsteins For Sale

75 head high grade Holsteins, consisting of coming 2-year-olds and about 50 head of heavy springers, from 2 1/2 to 5 years old. All first class dairy cattle. Also registered bulls. IRA ROMIG, Sta. B, TOPEKA, KANSAS.

Oldenburg German Coach Horses

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



60-Bergner & Sons' Coach Horses-60

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

14 Head of Kentucky Mammoth Jacks

from 3 to 6 years old, from 15 1/2 to 16 hands high with 9 and 10-inch bone; priced to sell quick. Write today for prices and description. Five Percheron stallions left for sale cheap. Farm and sale barn on 21st Street, one mile east of Wichita Union Stock Yards.



J. C. KERR, WICHITA, KAN.

Registered GALLOWAY CATTLE

We Breed Market Toppers." JAS. & W. R. CLELLAND, New Hampton, Mo.

Pure Bred Holsteins

Prices Reduced—To Move Quick

The Ganzdale Herd. Tuberculin Tested "Quality Above Quantity"

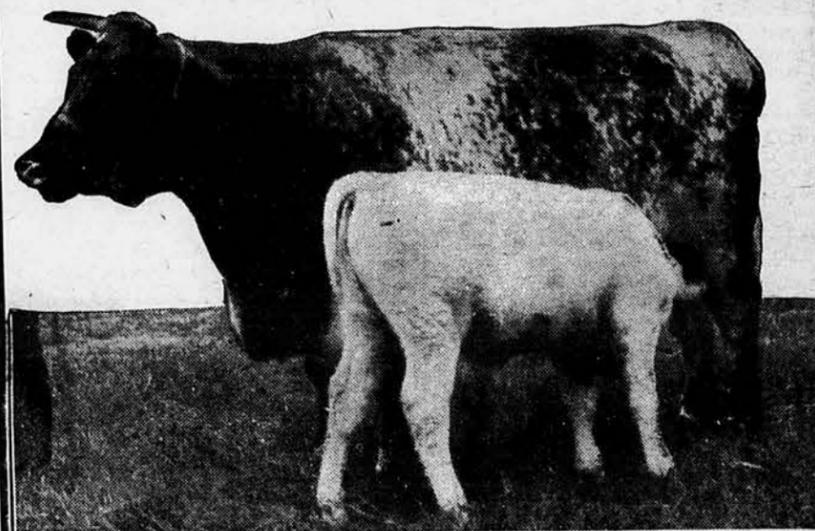
We offer you young bulls or bulls old enough for service from big producing dams, that combine the blood of several world champions at prices extraordinarily low to move the surplus quickly. We welcome all enquiries and answer the day received. Don't put off buying your bull until you need him. Remember, purebred Holstein cattle, nothing else.

CASPAR A. GANTZ, Prop., King City, Mo.

Lookabaugh's Shorthorns

Sold on Time at Private Treaty

Six or nine months if desired. What we want is your trial order. Young Heifers and Bulls at \$50, \$75, \$100 and up. Two Heifers and a Bull, not related, \$200 for the three—Others higher.



Over 200 Head From Which to Select

A great variety of prize winners and prize winning blood. If you want breeding stock don't miss this opportunity. As many good Shorthorns cannot be seen on any other farm in the whole Southwest.

COWS WITH CALF AT FOOT AND RE-BRED. RICHLY BRED YOUNG THINGS, SHOW PROSPECTS. HANDSOME YOUNG BULLS, HERD HEADER MATERIAL. RUGGED YOUNG BULLS, THE FARMER AND STOCKMAN KIND. In fact a splendid array of foundation Shorthorns, that carry the blood of the best families and the most noted sires of the breed. Don't wait, but come and get your first pick. Visitors always welcome at Pleasant Valley Stock Farm. Write your wants today. Address H. C. LOOKABAUGH, Watonga, Blaine Co., Okla.

ABERDEEN-ANGUS.

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

ANGUS CATTLE

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

GALLOWAYS.

G. E. CLARK, W. W. DUNHAM.
CAPITAL VIEW GALLOWAYS.
12 Miles West of Topeka.
Can furnish car of good bulls ranging in ages from calves to 2-yr.-olds. Can suit your wants. Write
CAPITAL VIEW RANCH, Silver Lake, Kan.

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.

RED POLLED CATTLE.

RED POLLED CATTLE.

Cows and heifers for sale. No bulls over six months. Poland China big type registered fall boars. Write
CHAS. MORRISON & SON, Phillipsburg, Ka.

Foster's Red Polls

Write for prices on breeding stock.
C. E. FOSTER, R. R. 4, Eldorado, Kansas.

HEREFORDS.

KLAUS BROS.' HEREFORDS

A few choice young bulls and heifers for sale, sired by Fulfiller 3rd, Fulfiller 35th and Beau Onward. Our calf crop is the best we ever had.
KLAUS BROTHERS, BENDENA, KANSAS.

STAR BREEDING FARM

HEREFORDS AND DUROCS.

We are offering (40) two year old bulls, (25) bulls from twelve to fifteen months old. They are right, bred right. Sold singly or in carload lots.
SAM'L DRYBREAD, ELK CITY, KANSAS.

JACKS AND JENNETS.

Jacks and Jennets 5 head of Jacks and 10 Jennets for sale. Quitting business. Write for prices.
E. M. HICKMAN, Okmulgee, Oklahoma

50 Registered, big-boned, black

JACKS AND JENNETS

from colts to 16 hands high; fine body and style, best breeding. A certificate with each animal sold. Jacks, prices and terms right. Nothing better for Oklahoma and Texas as they are acclimated here.
KINGFISHER VALLEY STOCK FARM,
J. H. Smith, Proprietor, Route 3, Box 17, Kingfisher, Oklahoma.

PUREBRED HORSES.

The Best Imported Horses One thousand each. Home bred registered draft stallions—\$250 to \$650 at my stable doors.
A. LATIMER WILSON, CRESTON, IOWA.

37 MARES, 15 GELDINGS, 14 MULES

1 registered Percheron stallion, weight 2100 will be sold by me, May 14, 1913, public sale, Richfield, Kan. Kentucky Gold Dust mares crossed with registered Percheron stallions, no bronco, no western stuff. 14 section stock ranch, fenced, well watered, for lease. Richfield reached via Syracuse, Kan., Santa Fe R.R., thence daily auto. Particulars. Write G. Porter Craddock, Owner, Richfield, Kan.

Truman's Pioneer Stud Farm

America's Largest Importers

Shire, Percheron and Belgian Horses

Write for Illustrated Catalogue.

TRUMAN'S, Box E, BUSHNELL, ILLINOIS

Percherons--Red Polls

I will sell several choice Percheron stallions, Blacks and grays, of serviceable age (3 to 6 years), weighing from 1800 to 2300 lbs. and broke to service. Also a fine bunch of choice

RED POLLED BULLS

16 to 36 months old, good ones, all fully guaranteed and priced low for next 30 days. Address

CEO. W. SCHWAB, Clay Center, Neb.

FOR SALE AT

Riverside Stock Farm
10 Head of Young STALLIONS
Registered

4 head of Percherons coming 3 years old, weighing from 1650 to 1800 lbs. Any one will make a ton horse. 4 head coming 2 years old; all black, weighing from 1500 to 1600; when matured will weigh from 2000 to 2200. They are the big bone kind. 2 black, registered, 4-year-old Percheron mares. 2 standard bred stallions that weigh 1250 to 1280. 1 Imp. Ger. Coach stallion, Mikus 4861 (153108), brown, 16-4, weighs 1550 lbs., 7 years old and sound. 4 head of young Mammoth bred black jacks from 15 to 15 1/2, good, heavy boned and well broke. All these animals will be sold cheap for the quality. Pedigrees and breeding quality guaranteed.

O. L. Thister & Sons, Chapman, Kan.

150 miles west from Kansas City, Mo., on the main line of the Union Pacific R. R.

the great herd of Shorthorns, and the farm, representing the life work of the late George Allen as a breeder of improved stock, demonstrating the rich heritage he left to posterity and, broadly, his devotion and his worth to improved agriculture in this country. Pedigrees of the Shorthorns from the Allen farm admit no criticism and the cattle on this occasion were brought into the sale ring in the most desirable working apparel and useful condition, though perhaps some would have appeared more attractive from a show yard view had they carried more flesh. Only three sold at less than \$200, and with the top at \$505, the range of prices was not extreme. Among the breeders of Kansas in attendance and buyers were: T. J. Sands, Robinson; G. D. Nutter, Morrowville, and G. F. Hart, Summerfield; from Missouri, Barber & Son, Skidmore; J. O. Stanley, Sheridan; Sni-A-Bar Farm, Grain Valley; and Bellows Bros., Maryville. Buyers residing in Nebraska were H. Rees & Sons, Pilger; K. F. Dietsch, Orleans; Fred Wordeman, Wisner; C. O. Timpe, Fontanelle; Owen Kane, Wisner; L. R. White, Lexington; Yates & Mains, Albion; A. L. Mead, Cairo; Parks Bros., Hooper; S. A. Nelson & Son, Malcolm; and Ratzlaff Bros., Bennett. Representative breeders and buyers were present also from Wisconsin, Iowa, South Dakota and Illinois. The auctioneers were Cols. H. S. Duncan and E. C. Callahan, Col. Duncan in the opening address ably sustained his well earned reputation as a most fluent, logical and eloquent speaker, and held the undivided attention of the large audience by references from breed history and the convincing argument on the influence and value of improved stock to advanced agriculture. The good average, \$321, received for the 53 head is a gratifying record to all parties interested in the sale, and the result marks an epoch in the cattle breeding business with bright promise of prosperity awaiting all breeders of beef cattle. The sale:

SUMMARY:

8 bulls.....\$ 2,530; average.....\$316
45 cows.....14,475; average.....\$322
53 head.....17,005; average.....\$321

BULLS.

A. O. Stanley, Sheridan, Mo., Barmpton Sulton 3d, \$330.
K. F. Dietsch, Orleans, Neb., Count Victor, \$325.
L. R. White, Lexington, Neb., Count Lavender 3d, \$505.
F. J. Doyle, Palo, Iowa, Chieftain 4th, \$255.
W. A. Wells, David City, Neb., Blossom Lad, \$410.
H. Oelrich, Columbus, Neb., Missie's Sulton 2d, \$240.
A. Douthet, Fullerton, Neb., Clinker, \$300.
E. A. Rombry, Scribner, Neb., Diamond 2nd, \$165.

COWS.

H. Rees & Sons, Pilger, Neb., Butterfly Lady 9th, \$300; Lady Secret, \$340.
Bellows Bros., Maryville Mo., Lady Missie 10th, \$505; Golden Lady 2d, \$765; Lavender Princess 7th, \$360; Moss Rose 7th, \$275.
Fred Wordeman, Wisner, Neb., Raspberry of Anoka, \$325; Golden Venus 6th, \$375.
Mr. Ahenhoits, Defiance, Iowa, Lady Clipper 3d, \$495.
Sni-A-Bar Farm, Grain Valley, Mo., Sulton's Blossom 2d, \$245; Village Maid 3d, \$395.
Wm. Harrison, Exeter, Neb., Sun Beam Violet 5th, \$305.
Thomas Stanton, Wheaton, Ill., Clara A., \$320; Butterfly Lady 5th, \$295.
F. W. Harding, Waukesha, Wis., Fusilier Queen, \$295; Lady Cindarella 3d, \$680.
Mr. Dudhe, Hamburg, Iowa, Spicy Bell, \$320.
C. O. Timpe, Fontanelle, Neb., Lady Geraldine 4th, \$300; Butterfly Bell 2d, \$300.
O. A. Strahn, Malvern, Iowa, Nonparell Lady 10th, \$310; Orange Lady 2d, \$255.
Owen Kane, Wisner, Neb., Caroline, \$510; Lady Missie 2nd, \$250.
N. J. Fitzgibbon, Missouri Valley, Iowa, Missie of Browndale, \$260; Anoka Blossom, \$240.
G. F. Hart, Summerfield, Kan., Lady Spicy 2d, \$240.
F. O. Brown, Carthage, S. D., Allen's Missie, \$290; Scottish Lady 6th, \$200.
J. D. Nutter, Morrowville, Kan., Roan Rosemary 2d, \$255.
J. W. McCune, Cummings, Iowa, Missie V., \$205; Acanthus Lady 16th, \$355; Lady Victor 3rd, \$200.
White & Smith, Saint Cloud, Minn., Lady Missie 20th, \$245.
Barber & Son, Skidmore, Mo., Greengill Flora, \$425.
L. R. White, Lexington, Neb., Nonparell Lovely, \$300.
Diets & Mains, Albion, Neb., Nonparell Lady 17th, \$245; Orange Gem 2d, \$205.
A. L. Mead, Cairo, Neb., Acanthus Lady 12th, \$595.
Parks Bros., Hooper, Neb., Bonnie Lady 3rd, \$175.
S. A. Nelson & Son, Malcolm, Neb., Diamond 36th, \$235; Lady B., \$350.
T. J. Sands, Robinson, Kan., Lancaster Lady 3rd, \$200.
Ratzlaff Bros., Bennett, Neb., Duchess of Gloster 4th, \$235.

Editorial News Notes.

Many who are using the Wesley Kouns hay rakes and stacker, made at Salina, Kan., are giving Mr. Kouns credit for manufacturing what are among the most practical, durable, easily operated and money-saving implements of the kind ever offered on the market. Neighbors of Mr. Kouns are enthusiastic in their praise of his products. Mr. Kouns is always pleased to send description of his rakes and stackers to all who write him.

Stacking hay is hard work—but you needn't break your back if you let your horses do it with the Sunflower hay stacker. The Sunflower is guaranteed by the makers to lift a bigger load and to run lighter than any other stacker built. It is guided by a rudder so that you can place the load wherever you wish and you don't have to back the team in order to lower the fork. Users of the Sunflower all through the West are most enthusiastic over its good points. If you raise alfalfa or hay it will pay you to get prices and testimonials from the Sunflower Mfg. Co., Manhattan, Kan.

Percheron Sale!

Whitewater Falls Stock Farm

J. C. ROBISON, Prop.

Towanda, Kan., Wed., May 21, '13



Greatest chance ever offered in America to secure young imported and American-bred Percheron stallions and fillies.

Thirty yearlings of both sexes, imported especially for this sale. All are acclimated and in good condition. Sired by the most noted sires of the breed, including "IMPRECATION" CHAMPION at the International Live Stock Exposition at Chicago in 1911 and 1912. Also by INTITULE, a winner at Chicago and costing more money than any other stallion imported to America in 1912.

Ten mares with colt by side and bred again to CASINO.
IMPORTED mares with colt by side and bred to CASINO.
Young stallions just ready for service.

Do not miss this, the greatest opportunity ever offered to secure the blood of the CHAMPIONS. Stock loaded on cars free of charge. Free conveyance to farm from Towanda. Send for catalogue to

J. C. ROBISON, Towanda, Kan.

Auctioneers—R. L. Harriman, J. D. Snyder, W. M. Arnold.

Four of J. H. SMITH'S Big Boned Jacks!



J. H. Smith of Kingfisher, Okla., is offering 50 Jacks and jennets from colts to 16 hands high. These Jacks are of the best of breeding, all registered and fine individuals. They are big bodied Jacks, with big bone, big heads, big ears, big feet, lots of quality and plenty of inches. They are the sort of Jacks that sire the high priced sugar mules, the sort that draws custom from the "other fellow's" territory, the sort that makes money for the owners and their patrons. These Jacks are hard headers, anywhere. Write Mr. Smith about these Jacks and mention Farmers Mail and Breeze.

Percherons and Royal Belgians



We have decided to offer all of our state fair prize winners, 22 stallions and mares for sale. Every one of these horses has been shown and has been a prize winner at the shows of 1912. These stallions and mares will be sold at exceedingly low prices, quality considered.
We are showing some other good stallions and mares, which we offer at prices that defy competition.
We earnestly request you to look over our stallions and mares, before buying.
True photos from life on application. Address
WOLF BROS., Albion, Boone Co., Neb.
IMPORTERS and BREEDERS

ST. JOSEPH STOCK YARDS

ST. JOSEPH, MO.



Capital and Surplus
\$200 000



Live Stock Com. Co.
ALL MARKETS

NATIONAL
LIVE STOCK COM. CO.
SOUTH ST. JOSEPH, MO.

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P. S. Shipping live stock to a good firm is like making love to a widow—you can't over-do it.

DAVIS & SON
Live Stock Commission Merchants
So. St. Joseph, Mo.



We have seen the St. Joseph market grow from its infancy, having been here 25 years. We count our patrons by the thousands because we have their confidence. We have their confidence because we have done their business right. Write us, wire us and ship us.

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| CATTLEMEN | OFFICE | HOGMEN |
| L. A. Kent | A. H. Baker Vera Dunn | A. H. Baker |
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30 Years in Business All Phones, 245 South
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Receivers and Shippers of
**GRAIN, HAY AND
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821 to 823 South Seventh Street
ST. JOSEPH, MO.

Excello Feed Milling Co.
St. Joseph, Mo.

Manufacturers of Excello Brands of Molasses Grain feeds. A balanced ration feed for all kinds of draft and driving horses. Excello Dairy feed that shows results. Send for prices and testimonials.

EXCELLO

What It Means When You Sell Your Stock on the St. Joseph Market:

During the past 15 years the St. Joseph Live Stock Market has paid more than 640 million dollars into the pockets of the farmers and stockmen of this territory.

The distribution of this vast sum has helped to make \$75 and \$200 land out of the \$25 and \$50 land of recent years.

It has helped to make single counties in St. Joseph's trade territory worth four times as much as Thomas Jefferson paid for the whole Louisiana Purchase.

The St. Joseph Market has caused Live Stock Values to be equal with Eastern Live Stock Values. Its yards are the most modern, and your stock receives Proper Care.

YOU GO HOME FROM ST. JOSEPH WITH A BIGGER DRAFT IN YOUR POCKET.



WHILE THE STOCK IS FATTENING YOU DO THE THINKING



A. G. Proy, Pres. C. G. Dixon, 2nd V. Pres. R. L. Austin, Treas
L. E. Cooper, 1st V. Pres. H. B. Hamill, Secy.

QUERBROS & COOPER
LIVE STOCK COMMISSION CO.
LIVE STOCK EXCHANGE BUILDING
SOUTH ST. JOSEPH, MO.
TWELVE YEARS OF SUCCESSFUL BUSINESS

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Leading Commission Firm
South St. Joseph, Mo.

WE SELL SHEEP AND LAMBS ONLY

THE KNOLLIN SHEEP COM. CO.
Stock Yards
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Office: 179 South Bell
Office: 179 South Home
H. B. BLACK, Salesman and Manager
C. M. PURNELL, Asst Salesman



Some Saddle Right Price
Weight 35 lbs., 17-in. bulge
\$32.50

Features of this saddle: The weight, 35 pounds; 17-in. swell bulge; the price, \$32.50. Order now—the price is right—don't delay. This saddle sent C. O. D., freight prepaid for examination. If saddle is not as represented return at our expense.

H. & M. HARNESS SHOP,
Stock Yards, St. Joseph, Mo.

Transit House

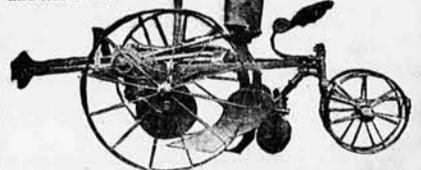


Finest, Best equipped Hotel connected with any stock market in the West. Sixty rooms, hot and cold water, baths, elevator and all modern conveniences.

Unexcelled Cafe. Best service; moderate prices. When you come to St. Joseph, try the Transit.
A. W. MACDOUGALL, Manager.

SWANSON NEW COMER
4-WHEEL RIDING LISTER.

Screw shaft regulates suction, whether lister runs deep or shallow. Requires only 3 horses. For prices and terms write
SWANSON-ST. JOSEPH PLOW CO.
ST. JOSEPH, MO.



How many, many times has this big, generous, helpful Book of Ward's been your companion in a pleasant hour of shopping like this—under some friendly old tree or in a sequestered shady nook.

Off in the big city miles and miles away, over the smoky railroad, a maddening crowd is rushing helter-skelter through stuffy stores of over-priced goods and bewildering assortments. But here how *free* you are to choose, how comfortable, how at your best to do your best.

Doesn't it seem a beautiful, natural, wonderful thing that millions shop from Ward's in just this way every day and that to farm, home and countless firesides, the bounty of the world is given with an honesty that bespeaks the highest economy.

Enter this delightful shopping scene—come and sit under this sheltering, friendly tree by sending today for the big 1913 catalog of Ward's *free* for the asking Address Dept. V.16.

MONTGOMERY WARD & COMPANY
Chicago Kansas City Fort Worth, Tex.



Shopping Under the Apple Blossoms