

KANSAS FARMER



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IS THERE A "YELLOW PERIL" FOR THE UNITED STATES?

War in the far East is again strongly suggested by the news from that quarter of the world. The six thousand Americans engaged in Missionary work in China have been reported to be in imminent danger of massacre. Later advices have somewhat relieved the anxiety as to the Americans.

That the adjustment of the differences in the far East effected as a result of the war between Russia and Japan would be permanent has scarcely been expected by thoughtful people. That China would remain dormant after witnessing the inspiring achievements of the valiant Japanese and with the menace of Russia on her long northern boundary was not to be anticipated. It is, therefore, not surprising that Russia has discontinued the homeward movement of her Eastern army pending developments in China.

Persons who have been alarmed about the imminence of the "yellow peril" have hastily suggested that America is about to be involved in a war with China and that the Chinese army will be organized, drilled and commanded by efficient Japanese officers so that they will be formidable adversaries; and that, since China is capable of furnishing practically unlimited numbers of common soldiers while Japan is equally well supplied with the best officers in the world, a prospect of war with this combination is indeed a serious matter.

Let us examine for a moment the probabilities in the case.

For a "yellow" army Japan must, for the present at least, furnish the brains. Japan has a close treaty alliance with England. England is the traditional enemy of Russia as well as the treaty friend of Japan. English influence is therefore very great in Japanese councils. On the other hand, England's relations with Germany and with France are easily strained, while her dependence for friendship among white peoples is steadfastly with the United States. Japan also has maintained a steadfast friendliness for this country, a friendliness which was strengthened by the uniformity with which American sympathy was with the Japanese during their war with Russia. So, too, China has many reasons for friendliness towards the United States. It was on the initiative of this country that the integrity of China was preserved at the time of the "boxer" uprising.

The danger to China is from Russia. Whether the Chinese are able or unable to comprehend the situation there is no doubt about their alert mentors, the Japs. Dissatisfied with the terms of peace at the conclusion of their great war with Russia, they are shrewd enough to avoid antagonism with other nations and to direct the attention of their proteges, the "Celestial Empire," to the menace of Russia.

There appears to be little reason for the Western World to apprehend a "yellow peril" as long as Russia remains the target of the yellow men's antipathy.

A meeting of business men of the Southwest is called to be held at St. Louis April 16 and 17, for the purpose

of discussing plans for the development of this section of the country and making the most effective use of its resources.

SHALL WE SACRIFICE EUROPEAN MARKETS FOR FARM PRODUCTS.

Excessive supplies of cattle in leading markets during the past year have taxed the capacity of stock yards, the

Britain or America if a key to unlock the doors could in any way be found. The common people there are practically without beef at all times! Horse-meat is in frequent evidence. They would feast upon grades and cuts of beef which we are too fastidious to buy. Where we demand a steak or a roast they would be delighted with corned beef or a boiling cut. And as for hams, bacon, sausage, lard, etc., the

beef, pork, etc., have proved unavailing.

The delegates to the National Reciprocity Conference held in Chicago last August representing such bodies as the National Live-Stock Association, the American Stock-Growers' Association, the leading live-stock exchanges, the Chicago and other boards of trade, important mercantile and manufacturing associations, the Shorthorn, Hereford, Aberdeen-Angus and other cattle-growers' associations—in brief, over 200 representative agricultural and commercial organizations, resolved that in their judgment the main trouble was the failure of our Government to carry out the broad statesmanship of Wm. McKinley in the matter of providing vents or outlets for our surplus; and in accordance with the instructions of that important gathering the American Reciprocal Tariff League has been formed for the purpose of presenting that view of the case to Congress and the country; in the hope that through discussion and study of the problem a solution profitable alike to both Europe and America may be reached.

Two interests prevent at this time the accomplishment of this object, the one German the other American; but forces are now in motion on both sides the water that may in time lead to better reciprocal arrangements. The Agrarian landlords in Germany want American farm products kept out. Why? Simply because they are thereby enabled to secure excessive prices for what few sheep, swine, cattle, and grain their soil grudgingly produces. The American "stand-patter" objects to our making any tariff concessions to Germany. Why? Simply because certain highly protected interests here now claim as a vested right a measure of protection which many of them no longer need.

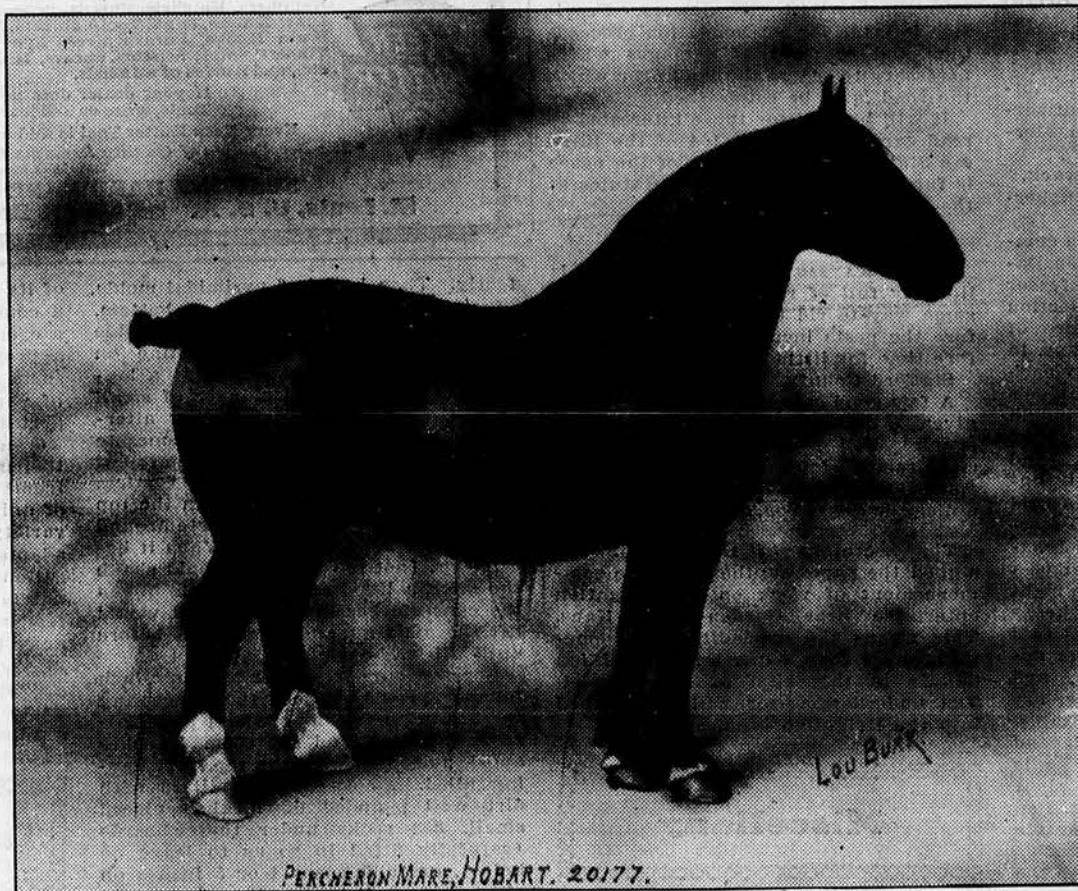
Needless to say, both parties could concede enough to bring about better and friendlier relations, if they would; but will the people of Germany and America insist upon their doing it? That is the whole question in a nutshell. The refusal, thus far of both parties to the controversy, to yield even an inch is driving the two great nations headlong into a commercial war, the results of which none can foresee.

McKinley's dictum that "Commercial wars are unprofitable" commands itself to all conservative business men. Wm. McKinley was an ardent advocate of reciprocity treaties; but as is generally known all his efforts to secure ratification of these were thwarted in the Senate. Twelve separate treaties negotiated under his direction failed of ratification and Section 4 of the Dingley Bill under which he acted has now expired by limitation. Some have proposed a revival of this reciprocity section of the existing law at this session of Congress, but it is said that the Senate is still hostile to the treaty idea. What then can be done?

Write to your member of Congress, write to both Senators from your State and get your neighbors to do the same.

Ask them to take this question up and study it. Suggest that this business should be settled upon a basis of mutual concession; not with clubs.

If a maximum and minimum law is to be passed based upon existing sched-



PERCHERON MARE, HOBART. 20177.

A FOUR-TIME WINNER AT KANSAS FAIRS.

The property of F. H. Schrepel, Ellinwood, Kans.

ingenuity of salesmen, the resources of distributors and the purses of producers. Particularly is this true of the lower and medium grades constituting the great bulk of the supply. The question of markets is one, therefore, having peculiar interest to all parties concerned at the present time. Slaughterers have apparently made every effort to stimulate the home market: the average price received for dressed beef at wholesale during 1905 at Chicago being only about 6 1/2 cents per pound. The shipping and export (English) demand helps to make a clearance of the better grades, but the question of what to do with the flood of grass and short-fed cattle from farm and range becomes more perplexing year by year.

The English market gives us an enormous outlet for the better grades of live-stock; our annual sales of feed-lot products to London, Liverpool and other British cities aggregating nearly \$150,000,000. But for this our Western feeders would indeed be in hard lines, because the surplus of this industry is so stupendous that the home market alone is powerless to absorb it at a price that would admit of the feeding of high-priced corn upon high-priced land, at any profit. Even here, however, we will have to look closely to our laurels, as Argentine is becoming a more dangerous competitor in Great Britain each recurring season.

Continental Europe would afford a vast outlet for the very class of meats most difficult to find a market for in

product of literally millions of corn-fed hogs could be marketed in France, Germany and contiguous countries if a way could be found through the custom house.

None except those who have studied the situation abroad have any adequate conception of what daily commissions in our leading markets from Paris, Hamburg, Bremen, Berlin, Vienna and other great Continental centers of population would mean to the farmers and feeders of agricultural America. And, on the other hand, only those who know personally the comparative scarcity of good bread and meat on the Continent can appreciate fully what a blessing such an American "invasion" would be to the masses of people.

Is there not some way whereby the European consumer and the American producer can be brought in touch? Possibly not; but as our exclusion is a matter of hostile tariffs, the least we can do is to study the question carefully and see if some way can not be figured out of bringing the groaning granaries and glutted cattle-pens of the West within reach of the poorly-fed millions of the old world. It is understood that Germany is in a mood to treat with us with a view towards averting a commercial war, and it is only a few years since France approved of a treaty which would have allowed us to sell her some \$25,000,000 of agricultural products annually; but thus far all efforts to secure these European outlets for our corn, wheat, oats, hogs, cattle, dressed

ules, the present duties should be the maximum and a level at least 20 per cent below established as a minimum. Any further increase in rates is absurd and will only make matters worse.

VARIETIES OF FRUITS.

Editor Kansas Farmer: Can I get a horticultural report that gives a list of apples, cherries and peaches best suited for this part of Kansas? Also we want a treatise on grape culture. We particularly want a list of hardy peaches.

Morris County.

Prof. Albert Dickens, horticulturist of the State Agricultural College, furnishes a list as follows:

Apples:—Early Harvest, Benoni, Cooper, Maiden's Blush, Jewell, Grimes, Jonathan, Winesap, Missouri Pippin, W. W. Permain, Huntsman, York Imperial. Plums:—Burbank, Wildgoose, Weaver, Abundance, Pottawatomie, Wolf, Wayland, Lombard, Robinson, Quaker, Damson.

Currents:—Black—Crandall, Jelly. Red—Red Dutch, Versailles.

Peaches:—Triumph, Champion, Mt. Rose, Mamie Ross, Elberta, Crasly, Family Favorite, Salway, Hilley, Belle of Georgia, Bonanza.

Strawberries:—Aroma, Clyde, Crescent, Excelsior, Gandy, Parker Earl, Senator Dunlap, Warfield, Bubach, Haverland.

Blackberries:—Early Harvest, Snyder, Taylor, Mersereau.

Apricots:—Moorpart, Early Golden.

Pears:—Kieffer, Lincoln, Duchess, Bartlett.

Grapes:—Green Mountain, Moore's Early, Worden, Concord, Woodruff Red, Wyoming Red, Lurie, Catawba, Brighton, Brilliant, Diamond, Elvira, Agawam.

Gooseberries:—Houghton, Downing.

Cherries:—Sweet—Gov. Wood, Doubtful. Sour—Early Richmond, Montmorency, Dyehouse, Wragg, English Morello.

Red Raspberries:—Louden, Thwack. Black Raspberries:—Kansas, Cumberland, Queen of the West.

Some of the old favorites of the commercial orchardist, such as the Ben Davis, will be missed from Professor Dickens' list. A judicious selection would consist of very many more of some varieties than of others. Thus, in apples one would need but few of each variety named in the list until Maiden's Blush is reached. Even here it should be remembered that this is a summer apple. Grimes is an excellent fall and early winter apple. Its quality is unsurpassed. It keeps fairly well in cold storage, but in the absence of cold storage must be used by midwinter. Jonathan is unsurpassed for quality, has a splendid red color, is just the right size for eating out of hand, and keeps perfectly in cold storage. Without cold storage it is a fall and early winter apple. Winesap, Missouri Pippin, and York Imperial do well in Kansas, are good keepers, and generally profitable.

In making selection much will depend upon whether or not cold storage is available. With cold storage plant many Jonathans. Without it let Ben Davis take the place of a considerable portion of the Jonathans.

If our correspondent will write to the Kansas Farmer a statement of the extent of his proposed plantings and whether he will use cold storage we will endeavor to obtain more explicit suggestions as to desirable proportions of the several varieties.

STUDENTS' AGRICULTURAL ASSOCIATION.

The Agricultural Association of the students of the Kansas Agricultural College numbers about 350 members, and is composed of energetic young men who are endeavoring to build up the best agricultural interests of the State. They meet regularly once a week and discuss all the leading topics pertaining to agriculture. They are publishing a paper called "The Agricultural Review," which is ably written and has a large circulation throughout the State. It is hoped that its influence will be felt and that it will lead to the rapid advancement of dairy and agricultural interests.

The following is a report of the last meeting, held February 10:

"At 2.30 we were promptly called to order by our vice-president, Mr. Hull, in the absence of President Snodgrass. After roll call and invocation by Mr. Greenough, the minutes of the previous meeting were read and approved. We were then glad to welcome into membership Messrs. Morris and Shipley, the latter gentleman being initiated. We then had the pleasure of listening to a very interesting talk on 'The Most Profitable Education for the Young Man,' by our elder member, J. J. McCrea. 'The Advantages of Kansas as a Dairy State' was interestingly discussed by J. M. Cook. Professor Mellick then

gave a practical and instructive talk on 'The Dairy Cow and Her Origin, and Some of the Practical Problems of the Kansas Dairyman.' E. W. Cudney rendered a short but interesting declamation, followed by a reading by our 'chore boy,' Ralph Cooley.

"After being criticised for our misdoings and complimented on our good points, we went into a lively business session, and then adjourned."

RURAL ROUTES ON ESTABLISHED ROADS ONLY.

EDITOR KANSAS FARMER:—Will you please answer the following question through the "Old Reliable?"

Do all roads have to be laid out by petition before a rural route can be established over such roads? Please answer as soon as possible as we are anxious.

J. A. B.

Ford County.

The Postoffice Department establishes rural free delivery routes on roads legally laid out, located and opened and on no others.

The laws under which roads are legally laid out, located and opened in Kansas are contained in chapter 154 of the General Statutes. These laws provide for a petition by not less than twelve householders of the county residing in the vicinity where the road is desired. This petition is to be accompanied by a bond of one or more persons guaranteeing to the county the expenses of proceedings in case the road shall not be finally established. The petition and bond are presented to the Board of County Commissioners, who give twenty days' notice and appoint viewers. The county surveyor, on request, meets with the viewers. Provision is made for condemnation proceedings and payment of damages where necessary to secure the land over which the road is to be established.

It will be well for those interested to read carefully chapter 154 of the Kansas Statutes. Each justice of the peace is furnished a copy of these statutes at the expense of the State.

TO DESTROY RATS.

EDITOR KANSAS FARMER:—Our barn is literally full of rats. Can you tell me some way to rid the place of them before the pests increase again; also before time for little chickens? R. O. Stafford County.

A few good cats kept at the barn and given a little milk each morning and evening will be found the most efficient remedy for rats. The prairie-dog poison furnished by the Agricultural College is also good.

The Secretary of the Interior has signed the papers authorizing the commencement of work on the irrigation enterprise near Garden City, Kans. This means the expenditure of something more than a quarter of a million dollars in this kind of development. The underflow water will be pumped into the irrigation ditches.

Miscellany

THE IMPLEMENT BLUE BOOK.

The Midland Publishing Co., of St. Louis, Mo., has just issued the third annual edition of the Implement Blue Book, a complete and accurately compiled directory of agricultural implements and machines, showing in detail the goods of every manufacturer in the United States and Canada, supplemented by a full list of jobbing and branch houses at all the principal distributing points. The Blue Book for 1906 contains 448 pages, 6 by 9 inches, handsomely bound in blue cloth, blue embossed, and was published for the exclusive use and benefit of dealers in agricultural implements with whom it is the standard of the world. The company has on hand a few hundred copies which it is sending out upon receipt of 20 cents to pay for packing and postage.

Defeats the Rats.

EDITOR KANSAS FARMER:—In your issue of February 8, F. H., of Osborn County, makes inquiry about cement foundations, and I observe your comment in regard to the rat problem. I wish to give your readers my plan for barn foundation.

I have the past year built a barn 37 by 41 feet, rat-proof, which holds about 30 tons of hay overhead. I used 6 by 6 posts and wherever I wanted a post I dug a hole about 2½ feet square and 14 to 16 inches deep. In order to save concrete I used flat rock in the bottom of the holes and leveled up with concrete; then used any kind of rough rock, filling in with concrete until I had the desired height, leveling all up per-

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Sectional View of Handle Showing Grellner Wedge.

fectly. Then I made 3 pyramidal molds, 20 inches square at the bottom, tapering to 6 inches at the top (inside measure), set the molds in line on center of pillars, then poured in a layer of cement. I used a layer of small rock (to save concrete), filling alternately with small rock and concrete until within about 4 inches of the top of mold. Then I placed a round stick, about 1½ inches in diameter, in the top of the mold and packed concrete around it until the mold was full. When it became set (not too solid), I would shake the stick a little and lift it out. When the concrete became firmly set I would lift the mold off and proceed as before until all was complete.

For the outside wall I took six-inch fencing boards and cut them, beveling to fit in between these pyramidal-shaped pillars, and set them 4 inches apart, and level with the top, first having filled in between the pillars with dirt well pounded down, then placed small, flat rocks under these boards (carefully fitted in so as to leave no holes), extending out 4 or 5 inches on either side. A layer of cement could be used if flat rock could not be had. I then filled the molds formed with these fence boards the same as the pillars. The object of this projection is to keep the rats from under the foundation. When a rat starts to dig under the foundation, he commences up against the foundation and goes down under, but in this case he will not dig straight out and then down but will turn and go along the wall. He may go clear around the barn but can not get under the foundation if care has been used. If he happens to get inside through some door, he will not get under the foundation.

I used no sills in my barn, but bored holes in the end of the 6 by 6 posts, taking old cultivator arches and cutting dowel-pins 10 inches long and driving them in the ends of the posts, leaving 4 inches out, and set the ends of posts on the pillars with dowel-pins in holes of pillar. I have no cross-walls—just pillars wherever I have a post. The door-posts are fixed the same way, only using smaller posts and smaller pins. My barn is raised 10 to 18 inches above the ground, filled inside and graded outside to top of pillars. I have no sills to hold water on the foundation and rot, as many barns that I have seen have.

Franklin County.

The fight of oleomargarine for a place and a name is not yet ended, as witness the following from a writer in the Delineator: "Oleomargarine has been misrepresented to the public to a greater extent probably, than any other article of food. From the time

of its first appearance in the market as a competitor of butter, there has been a constant attempt to create and foster a prejudice against it as an unwholesome article made from unclean refuse of various kinds, a vehicle for disease germs, and a disseminator of tapeworms and other unwelcome parasites. It has been said to have been made from soap grease, from the carcasses of animals dead of disease and from a variety of other articles equally unsuited to its manufacture. The publication of a great mass of untruth can not fail to have at least its desired effect, not solely on the minds of the ignorant but even on those of persons of more than average intelligence. So a prejudice was created against this valuable food product, but it is becoming gradually less pronounced."

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Agriculture

Farm Experience in Southeast Kansas.

Editor Kansas Farmer:—As I promised a year ago that I would write again of my farm experience, I will do so now. First I had tried to get a stand of *Bromus inermis*, having spent about \$50 for seed at three different times. I got seed from a grower in South Dakota. When I wrote two years ago I thought I had a tolerably fair stand, but had sown some redtop seed on the ground in February. Quite a lot of the *Bromus inermis* headed out, and I moved it, as there were many weeds in it, and thrashed it. I sowed the seed on the same patch—about 14 acres of rather thin land. Last year I expected to have a fair stand as it is claimed to thicken up as it becomes older; but to my surprise, last summer there was scarcely a spear of it, while there was a good stand of redtop. What killed it? I do not know. I had no trouble to start the seed, but it appears to die out when an inch or two high; but the last time I thought sure I had it started. It does not seem to be adapted to Southeastern Kansas. I believe redtop much better for this country on up or low land, as you can sow it on old worn-out pasture without breaking the sod. I had fairly good success with English blue-grass, timothy and clover.

Last spring, March 13, I sowed fourteen acres of oats. I drilled them in fall-plowed land. About the end of April we had a dry spell. The oats looked bad. I took a four-section harrow, weighted it down and harrowed crosswise. Then took an iron roller with light harrow hitched to it and went over it again, covering it almost completely. My neighbors said "You have ruined your oats; you have harrowed them all out of the ground." I told them to wait and see. In a week they had recovered and made a fine growth. They made a little over 40 bushels to the acre. Most of my neighbors' oats only made 20 bushels—some 30, and mine weighed 35 pounds to the bushel.

As soon as I could get the oats out of the field I plowed the stubble, and on July 3 I planted a part of the field in cow-peas, and the balance on July 15. They made a fine growth. I drilled them in about three or four inches deep with a corn-planter, using medium sized plates, and double-rowed them. They nearly covered the ground. That way a bushel will plant nearly four acres. I planted them for the benefit of the soil, not expecting them to get ripe, but they grew about 18 inches high, got well ripe before frost, and were white with pods. I was puzzled to know how to cut them to save them. I hit on the idea of using a self-rake, and found it worked all right, only I did not have the ground quite smooth enough, the big platform sometimes dragging on the ground. The self-rake is just the thing to cut them with when planted this way, but the ground should be rolled and harrowed crossways after planting, and the dead furrows plowed shut, so as to leave the ground as smooth as possible. This must be done soon after planting, as they will be up in three or four days. They require but little moisture.

After they were cut I bunched them the same as flax. I intended to thrash them out of the field, but we had a month of wet weather with rain every few days. When they were dry I could not get on the ground with a team. I turned them two or three times so they would not rot, and was surprised to find that though the rain went through them they were in good shape. In November I tried to thrash, with separator, but this broke them all up, so we stacked them. There were about 18 good loads on the 13-acre patch. I intend to tramp them out with horses, when the weather and ground permit.

I then turned nine calves on the patch—lost three by bloat. I think they did not go to water as they should. One stormy evening when I put them in the barn I saw one was badly bloated. I took a little turpentine and applied at naval, making it wet six inches around. To my surprise the calf was well in the morning. Three weeks ago I turned the milch cows on the field and in two days time their milk increased to double the amount. It looked as though they were grazing on grass—picking up every pod and some stubble. I think they would have made ten to fifteen bushels of peas per acre. I am sure they will raise the fertility of

the soil to produce ten to twenty bushels more per acre. I believe they will make more peas if planted late, as they will ripen evenly if planted that way. If planted early, they run more to vines and blossom and ripen along until frost. Mine were the Whippoorwill variety. Four inches from the ground they spread out, and if the ground is smooth they can be cut that low. If the rows are straight, it will help much in cutting them. It will pay to raise them whether you cut, pasture, or plow them under. You can not raise a better crop for milch cows; there is nothing better to fatten sheep—all stock is fond of them, and they are worth millions in raising the fertility of the soil.

Kansas seed-houses want \$2 per bushel for the seed; but in Southwest Missouri you can get them for less. For the benefit of the Kansas Farmer readers I have asked them to advertise in your paper. We have so much wornout land, that needs to be built up, and cow-peas will do it cheaper than anything else, and without losing any other crop.

J. RUFF.
Neosho County.

Alfalfa Bacteria—Rust Proof Oats.

Please let me know if you have had any experience with alfalfa bacteria and what results. Is there such a thing as rust-proof oats?

EDWARD JONES & CO.
Marion County.

We have made no direct experiments in inoculating alfalfa with the bacteria which grow on the roots of that plant. These bacteria appear to be always present in the soils of the station farm and we do not have to supply them. I enclose article on nitro-culture which may give you some information.

There is no such thing as rust-proof oats, so far as I know. Some varieties of oats do not seem to be so badly affected by rust as others, but I observe that the tendency to rust varies with different varieties in different seasons. A variety of oats which does not produce too rank a growth of straw and which matures early is usually less affected by rust than the ranker growing, later maturing varieties. The Sixty-Day oats and Kherson oats being of the early-maturing class have appeared to be less affected by rust in the experiments at this station than other varieties. Perhaps the Texas Red is also more or less exempt from rust in an average season.

A. M. TENEYCK.

Alfalfa in Western Kansas.

I want to sow alfalfa this spring. Will it do out in this country? The soil is black and a little sandy but not enough to speak of. How must I prepare my ground? I thought I would plow it now and harrow occasionally until spring.

FRANK WINTER.
Pawnee County.

I have requested Prof. J. T. Willard, acting director of this station, to mail you a copy of bulletin 114 giving information regarding seeding and culture of alfalfa.

You ought to be able to grow alfalfa successfully in Pawnee County. It would have been well if you had plowed your land early last fall if you intend to plow it and your plan of frequent cultivation previous to seeding is a good one. It is necessary to put the ground into a fine seed-bed condition in order to insure a catch of alfalfa. Perhaps you have a piece of corn-stubble land or land which grew cultivated crops last year, which has not been plowed. If you have such land—not too weedy—a good seed-bed for alfalfa may be prepared by disking and harrowing. Sow quite early in the spring, as soon as the ground is in fit condition to sprout the seed.

A. M. TENEYCK.

Cow-Pea Questions.

I would like to sow cow-peas this spring. How early should I sow, and how am I to tell when the seed is ripe? Can I take that seed and sow it in the fall as a fertilizer? Would it be best to plow the peas under or let them stand till spring?

WILLIE WIEMERSLAGE.
Lincoln County.

Cow-peas should be sown about the middle of June in a well-prepared seed-bed. It is well to plow ground quite early in the spring and cultivate it several times before planting in order to destroy the weeds and prepare a firm, well-settled seed-bed. If you wish to grow cow-peas for seed, it is best to plant in rows $2\frac{1}{2}$ to $3\frac{1}{2}$ feet apart and cultivate much the same as you would corn. When sown broadcast or in close drills, cow-peas grow more upright and make excellent forage but produce comparatively few pods and peas. Grown in this way the crop may be cut

with the mower and saved for hay; but when grown in rows for seed it is usual to harvest with the bean harvester or pull the peas, since the vines lie so close to the ground that they are not readily lifted and cut with the mower.

Cow-peas ripen very unevenly; you will find ripe pods, green pods and blossoms on the vine at the same date. The peas are not easily shattered and the best plan is to wait until most of the pods are ripe when the crop may be harvested and placed in bunches or left in windrows to cure in the field. This usually requires several weeks, when the peas may be thrashed. The usual method is to use the ordinary grain-separator, but this method of thrashing splits the peas badly, and if your plan is to produce peas for seed rather than for feeding, those which you expect to save for seed had better be thrashed by hand, unless you have a bean thrasher. This is not nearly as difficult an undertaking as many farmers seem to think. A good crop of cow-peas will yield 15 to 20 bushels of seed to the acre and a man may readily fall out an acre or two of peas in a day.

You could not use the seed produced next season for fall planting; usually the peas would not be thrashed before the middle of October. It is necessary, therefore, to save seed from the previous year's crop for late summer or fall planting.

When used as a fertilizer, the peas may be either plowed under as green manure, taken off for forage, pastured off with cattle and other stock, or when used as a catch-crop on wheat-stubble or in corn, the peas may be left as a cover-crop during the winter, furnishing also some fall-pasturage. The greatest benefit may often be secured by plowing the peas under green, provided a suitable crop is planted the next season. Corn follows cow-peas, used as green manure, very well, but it is not advisable to plow under a crop of cow-peas and seed to wheat the same fall, or even to sow small grain the next season because of the loose, open condition of the seed-bed. I have mailed to you a circular letter which gives further information regarding the growing of cow-peas and their use as a fertilizer.

A. M. TENEYCK.

Artichokes—Spelt.

In last week's Kansas Farmer I notice you have seed-corn and other kinds of seeds to sell. Will you kindly mail catalogue and price list of your seeds?

Have you had any experience in growing artichokes for hogs and other stock? If so, what do you think of them? I notice two kinds advertised in the seed books, Large Mammoth White and Jerusalem. Which is the better variety?

Have you had any experience in growing spelt or emmer? Is there much of this grown in Kansas? Does it do well here? So far as you know what is a fair average yield per acre on good land, when the season is reasonably favorable? Is it a good, strong, healthful feed for milch cows, horses, hogs, etc? Have you any good spelt for seed to sell?

I am anxious to find out all I can from reliable sources in regard to artichokes and spelt. It seems to me that both are very valuable to the farmer and stock-grower and ought to be on nearly every farm.

HENRY S. JEFFERIES.
Franklin County.

I have mailed circular giving information regarding seed-corn and other seed grains, with prices. I published an article giving information regarding the culture and feeding of artichokes in the issue of the Kansas Farmer December 14, 1905. I am not acquainted with the Large or Mammoth White variety. I have only grown the Jerusalem artichokes. The latter variety is the one commonly grown and is standard.

I have sent to you a copy of a circular letter giving information regarding spelt or emmer. The acreage of emmer grown in Kansas is not large, although it is grown to some extent throughout the larger portion of the State. Emmer would not succeed so well in your country as it does in Central and Western Kansas, or even at this station. A fair average yield of emmer in this section of the State is 35 bushels (45 pounds per bushel) per acre. The average yield of emmer at this station for the past three seasons has been greater than the average yield of oats or barley.

In composition emmer is similar to barley, although in feeding-value some experiments conducted at the South Dakota Experiment Station indicate that it is hardly equal to barley as a fattening feed. If the grain is ground and mixed with other ground grains, it

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may make a good ration for dairy cows or horses, and for growing hogs.

We have seed of emmer for sale, as stated in the circular which I have mailed you. You can also secure seed of almost any Western seed company.

The article regarding the improving of sweet corn, which you read in the Kansas Farmer was probably written by a member of some other experiment station. However, for answer on this point I shall refer your letter to Prof. Albert Dickens, horticulturist at this station.

A. M. TENEYCK.

Yellow Alfalfa—Seed-Corn.

I own a farm in Kansas near Courtland, Republic County, which I bought eighteen months ago. I have had it rented till now, but intend to make my home on it from now on. It is a good quarter section, but like most land around there has been "corned" to death for twenty-five years. I have seen some of your articles and would like to be on your mailing list when I get home. The reason I write now is to ask a favor of you. Would you kindly give me the address of some reliable man who has a few bushels of soy-beans for sale? I want the beans for seed. I am going to try the crop on about five acres this spring. I intend to sow broadcast and cut for fodder shortly after the plants start to form the first pods. Is that a good way? I am not so particular to get the fodder as to enrich the soil, as I have lots of alfalfa. Please tell me what you think best.

I had my renter put in an additional 10 acres of alfalfa this last spring, in May. The soil was fall-plowed, and he harrowed it and then seeded it, then harrowed it again. It came up in splendid shape, and grew well until it had four leaves, then stopped. We had much rain last summer but the alfalfa turned yellow and just stood that way, not growing any more except a few patches here and there. I took a trip home about August and examined the ground and found that it had been fall-plowed when the weeds were very high, and they formed a regular "mulch" 4 or 5 inches below the surface. When the alfalfa roots reached the mulch they either got heated or for some other cause did not penetrate the subsoil. I have only a very poor stand here. Would it not be all right to sow seed this spring and disk it? I would like to have that particular field in alfalfa for a while. Have you any good seed-corn for sale? I would like to get some from you. Do you know any one that has large, white, seed-corn for sale?

Alaska.

CHAS. ANDREN.

I have requested Prof. J. T. Willard, director of the station, to place your name on our bulletin mailing list and send you some of the recently published bulletins.

I can not give you the address of any farmer who has soy-bean seed for sale, but you can purchase the soy-beans from Western seed dealers, or we can supply you with a limited quantity of the early yellow soy-beans, the variety commonly grown in this State.

I would not recommend to grow soy-beans for fodder. Cow-peas are preferable to soy-beans if you intend to sow broadcast or plant in close drills and harvest the crop for hay or fodder. The Whippoorwill cow-peas are commonly grown in this State, and seed may be secured from seed companies. We have a limited supply of New Era cow-peas which we are selling at \$2.50 per bushel. These peas are a little earlier than the Whippoorwill and may be preferable for seed, but do not make quite so large crops of forage as the Whippoorwill. If you prefer to sow soy-beans for forage, I recommend that you plant some late-maturing variety such as the Southern, late Green, Large Yellow or the Flat Black. I have mailed to you a copy of letter answering questions regarding cow-peas for forage and green manuring.

If the alfalfa is now very thin on the ground, it is possible to thicken the stand by seeding early in the spring and by disking and harrowing to loosen the soil so that the seed may be covered. If you fail to get a renewed stand by spring seeding, it is well to seed immediately after taking off the third cutting, disking and harrowing the alfalfa-field in order to prepare a favorable seed-bed. As a rule, unless it is especially desirable to have a certain field in alfalfa, I would prefer to seed down other land and break up the field which has the poor stand, planting again to corn or other crops. The next time you sow alfalfa you should take care to prepare a proper seed-bed; see that the soil is well settled and firm, and that the furrow slice is well united with the subsoil, so that the soil moisture may come up from the subsoil and the roots of the alfalfa may have a fa-

vorable environment for spreading and growing deep in the soil.

We have some good seed-corn for sale. I have mailed circular giving information regarding seed-corn and other seed grain. We have no very large white corn. Geo. T. Fielding & Sons, Manhattan, grow and sell the Mammoth White Dent corn, a late maturing corn which has large ears and which has produced well in the tests of this Station. McAuley's White Dent corn, seed of which we have for sale, is medium late in maturing and has medium-sized ears. The Boone County White is similar to the McAuley.

A. M. TENEYCK.

Flax with Grass-Seed.

I would like information regarding the sowing of flax with grass-seed, will the grass do well sowed with flax? Neosho County.

S. L.

As a general rule, I would not advise to use flax as a nurse-crop in sowing grass-seed. In certain sections of the State where the moisture supply is abundant this method of seeding down to grass may succeed fairly well, but usually throughout Central Kansas and in a large portion of Eastern Kansas it is safer to sow grass, alfalfa or clover without a nurse-crop. In a test of different nurse-crops for seeding grass and clover at the North Dakota Experiment Station it was found that flax gave about as good results as other spring-sown grains. Thus, where the conditions are favorable to use a nurse-crop in seeding to grass, doubtless the grass will succeed with flax nearly as well as with wheat, oats, or other small grain.

A. M. TENEYCK.

Corn-Stalk Ground for Alfalfa.

I want to sow ten acres of alfalfa this spring. The ground that I want to put the seed on is corn-stalk ground, with some burrs and weeds, but the ground is a mellow loam. Please tell me what preparation I ought to make before sowing and after, and how much seed to put on, and if the last of March is the right time to sow, providing the weather permits.

J. M. WALTERS.

Dickinson County.

I think if you will disk and harrow the land in question that you will be able to prepare a good seed-bed for sowing alfalfa this spring. The cockle-burrs are not necessarily bad weeds in a field of young alfalfa, provided the weeds are mowed occasionally and kept from growing too rank and shading the young alfalfa plants. If the corn-stalks are still on the ground you could break them down, rake them up and burn them, but the stalks may be cut up with a stalk-cutter, and left on the ground. We seeded a field last spring this way and secured good results. The stalks on the ground acted as a cover to break the wind, conserve the soil moisture, and prevent the ground from puddling and baking by heavy rains. The corn-stalks bother some when the alfalfa is cut and raked the first time, but usually there is little growth of alfalfa the first season, and because of the presence of weeds it is not usually saved for hay. But the second year the corn-stalks have largely disappeared.

No treatment needs to be given the land after sowing other than a single harrowing to cover the alfalfa-seed if it is sown broadcast. Twelve to fifteen pounds of good seed per acre is sufficient to sow. Last spring we sowed on March 15 with good results. It depends somewhat upon the season and weather conditions as to what date you should sow. Usually I recommend early seeding, as soon as the soil is in fit condition to sprout the alfalfa seed. There is some danger of late frosts injuring early-seeded alfalfa, but the danger from frost by early seeding is not so great as the danger of damage from heavy rains and hot sun to late-seeded alfalfa.

A. M. TENEYCK.

Kherson Oats—Cow-Peas.

Will you please tell me what you think of Kherson oats. Is it a good variety and where may I secure seed? Can I raise cow-peas for seed here? When should cow-peas be sown and how much will the crop yield per acre? How are the peas harvested? Can they be cut with the grass mower?

JACOB J. HUBERT.

Marion County.

I have mailed circular giving information regarding seed-corn, including varieties of oats tested at this station. You will observe that the Kherson oats have stood second in yield as the average for three years' test. Some twenty different varieties have been grown in these experiments each year. I believe either the Kherson or Sixty-day oats will prove to be better producing oats throughout Central Kansas than almost any other variety unless it be the Tex-

as Red. I would advise that you try the Kherson oats in a small way. Seed may be secured from this station at \$1.25 for a single bushel or six bushels for \$5, with extra charge for sacks. The Kherson oats are also sold by Western seed companies.

Certain varieties of cow-peas may be grown and matured successfully for seed in Marion County. Such varieties as the New Era, Whippoorwill, Black-eye, Lady, Wonderful, and Warner's Early. You can secure seed of one or more of these varieties from Western seed companies. The Whippoorwill is the standard variety sold and grown in this State. We can supply you with a limited quantity of seed of the New Era cow-peas, an early maturing sort and a good producer of grain, price \$2.50 per bushel.

I have mailed circular letter giving information regarding the culture of cow-peas. Briefly answering your questions directly: When sowing for seed, cow-peas had best be planted about the middle of June on a well-prepared seed-bed, in rows 2½ to 3 feet apart, dropping the peas 1 to 2 inches apart in the drill-row. Planted in this way the peas will vine and some of the vines lie on the ground, making it necessary to harvest the peas with a bean harvester; or they may be pulled by hand and put in small bunches, as is practiced in harvesting beans. When the bunches are thoroughly cured the peas may be hauled to the barn and thrashed with a flail if the purpose is to save the grain for seed. For feeding-purposes the peas may be thrashed with an ordinary grain-separator. A thrashing-machine, however, breaks the peas badly and injures them for seed. If the cow-peas are planted in close drills or sown broadcast, the plants grow erect and the crop may be readily cut with a mower, but when grown this way the peas do not seed well and I would only recommend this method when you wish to harvest the crop for hay.

A. M. TENEYCK.

Smut in Wheat.

I live in Brown County, Kansas, but I own a section of land in Sheridan County, which is farmed by a tenant. Last year I furnished enough macaroni to sow 50 acres, and when harvest-time came, fully one-fourth of it had what is called stinking smut in place of sound grains. I have been told that the seed can be treated to prevent that. If you will kindly publish the formula in the KANSAS FARMER, I will appreciate it.

ANTONIO SCALAPINO.

Brown County.

It is true that seed wheat may be successfully treated so as to destroy smut and give practically a clean crop from smutty seed. The best remedy for smut in wheat is to treat the seed with a solution of formaldehyde, using one pound 40 per cent strength of formaldehyde to 45 to 50 gallons of water. Either spray the wheat or dip it in a barrel or tank, taking care that the grain be thoroughly wet, then spread it quite thinly over the floor and allow it to dry from twelve to twenty-four hours, shoveling it over once or twice. The usual method is to treat one day the seed that is to be sown the next day. The wheat will swell, and in order to sow the required amount per acre the drill should be set to sow about 1-5 to 1-4 more than the usual amount.

The purpose of this treatment with formaldehyde is to destroy the smut spores which adhere to the wheat kernels. When smutty wheat is thrashed the smut grains break and the fine smut dust, which is really the seeds of the smut is spread over the sound kernels of wheat. Some of these little smut seeds or spores adhere to the wheat kernels and when such wheat is planted these spores sprout and the fungus plant grows into the wheat plant, the smut plant feeding on the sap and tissues of wheat plant, finally producing the smut in the head of the wheat in place of the wheat kernels. If these smut spores adhering to the wheat grains are destroyed, there is little chance for the smut spores which remain in the soil to come in contact with the wheat kernels or the young growing wheat plants, hence the seed-wheat treated with a solution of formaldehyde produces a crop which is practically free from smut.

There is no danger of injuring the seed by using formaldehyde of the strength of solution described above. In fact, experiments have shown that the treatment actually improves the wheat. As an average for a large number of experiments at the North Dakota Experiment Station, Prof. L. H. Bolley found that treating sound wheat free from smut with the formaldehyde solution, gave increased yields as compared with the untreated seed by over two bushels per acre. Every

Nervous Women

Their Sufferings Are Usually Due to Female Disorders Perhaps Unsuspected

A MEDICINE THAT CURES



Can we dispute the well-known fact that American women are nervous? How often do we hear the expression, "I am so nervous, it seems as if I should fly," or, "Don't speak to me." Little things annoy you and make you irritable; you can't sleep, you are unable to quietly and calmly perform your daily tasks or care for your children.

The relation of the nerves and generative organs in woman is so close that nine-tenths of the nervous prostration, nervous debility, the blues, sleeplessness and nervous irritability arise from some derangement of the organism which makes her a woman. Fits of depression or restlessness and irritability; spirits easily affected, so that one minute she laughs, the next minute weeps; pain in the abdominal region and between the shoulders; loss of voice; nervous dyspepsia; a tendency to cry at the least provocation—all these point to nervous prostration.

Nothing will relieve this distressing condition and prevent months of prostration and suffering so surely as Lydia E. Pinkham's Vegetable Compound.

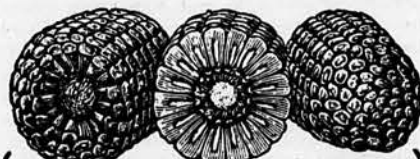
Mrs. M. E. Shotwell, of 103 Flatbush Avenue, Brooklyn, N. Y., writes:

"I cannot express the wonderful relief I have experienced by taking Lydia E. Pinkham's Vegetable Compound. I suffered for a long time with nervous prostration, backache, headache, loss of appetite. I could not sleep and would walk the floor almost every night.

"I had three doctors and got no better, and life was a burden. I was advised to try Lydia E. Pinkham's Vegetable Compound, and it has worked wonders for me.

"I am a well woman, my nervousness is all gone and my friends say I look ten years younger."

Will not the volumes of letters from women made strong by Lydia E. Pinkham's Vegetable Compound convince all women of its virtues? Surely you cannot wish to remain sick, weak and discouraged, exhausted each day, when you can be as easily cured as other women.



SEED CORN

There are many points to be considered in selecting seed corn; some of the most important are outlined in the above cuts; namely, well filled out at butt end with small to medium sized shank; the tip of ear well capped or covered over with fair sized grains; the kernels should be wedge shaped from cap to where it rounds off at point or germ end, and the rows should be close together but still not so tight as to smother the germ and cause mould. The grain must be deep and set on a small cob which is of such texture that it will dry out easily and quickly. These points are all brought the nearest to perfection in the new

GOLDEN WEST

It is the most desirable, large, bright yellow corn ever sent out and it will pay you well to try it. Ask for copy of our large catalogue, illustrating and describing the above and many other varieties of seed corn, oats, wheat and all kinds of farm and garden seeds. Mailed free if you mention this paper.

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To introduce our up-to-date jewelry we will give away, absolutely free, this handsome Perfumed Lucky Charm, the latest novelty. Send your name and address to-day and we will forward it to you at once without expense to you. Wear one and be in luck all the time. Address, MILFORD JEWELRY CO., Dept. 1145 Milford, Conn.

The Farmers Road To Wealth

lies in adopting up-to-date ideas and implements. The 1905 idea in the way of an implement is the



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A money saver. A time saver. A labor saver. Means better harrowing. Less work. More corn. Use or abuse doesn't wear it out. The right cart at the right price. Write us today. IOWA HARROW CART CO., 132 West St., Waterloo, Iowa.

farmer who has smut in his wheat ought to treat the seed. There is no use in growing smutty wheat. The formaldehyde may be purchased from almost any druggist, at least any druggist can secure it for you. Be sure to get the full 40 per cent strength of formaldehyde. A. M. TENEYCK.

Ration for Brood Mares.

EDITOR KANSAS FARMER:—I would like to have the cheapest and most beneficial ration for my brood mares from the following: Corn, 40 cents per bushel; Kafir-corn, 28 cents per bushel; barley, 32 cents per bushel; bran, 75 cents per hundredweight; shorts, 85 cents per hundredweight; cottonseed-meal, \$1.50 per hundredweight. I have a sweep grinder if it may be used to any advantage.

I have enough alfalfa hay to feed one meal per day, plenty of cane and Kafir-corn forage, a little prairie hay. The mares weigh from 1,200 to 1,400 pounds, are in good, healthy condition, and will have their colts in May and June. They are to begin working on sod plowing and putting out spring crops.

What would be a good feed for their colts while running with dam? Would you advise turning out on pasture during the night as soon as grass is good, and feeding alfalfa hay at noon?

C. W. HUMFELD.

Comanche County.

Mares of this size in good healthy condition should be able to perform a reasonable amount of spring work and still raise a good colt, if properly nourished and if proper attention and care are given both colt and mare. Of course, we can not expect brood mares to do quite the work that regular work teams could do and will have to plan the work accordingly.

With the feeds suggested and the prices given, corn will necessarily be the basis of the grain-ration and I would suggest that some Kafir-corn might be used if it can be ground fine. A ration composed of about two-thirds corn, or corn and Kafir-corn mixed, and one-third bran will make a very satisfactory grain-ration. I would not feed either shorts or cottonseed-meal. Alfalfa hay once a day is also an excellent addition to the ration. For the sake of variety would suggest that a feed of cooked barley might be given once a week. Good bright cane and Kafir forage or prairie hay will go well for the balance of the roughage.

After the work season begins you must feed your mares a good grain ration and not too heavy on roughage. Feeding work-horses too much hay is a common fault of the average farmer. The mares should not be compelled to make heavy pulls or work excessively hard beforehand but will do ordinary work almost up to the time of foaling. They should not be deprived of exercise even when taken from work as foaling time approaches. If all goes well with mare and colt, work may begin in about two weeks after foaling. I do not think it is even advisable to allow the colts to run with the dams. A far better plan is to give the colt a good, roomy stall, preferably several colts together, and during the first month bring the mares in to suckle the colts in the middle of the forenoon and again in the middle of the afternoon. If the mares should come from work very much heated, it is better not to allow the colts to suckle at once, as serious results to the colts may follow. The colts should be induced to eat some grain as soon as possible. They will soon do this if allowed to stand by the mother when she is eating. The grain ration for colts should contain a little more bran and it would be well to have some oats to take the place of part of the corn.

I would certainly advise turning out on the pasture during the night although you must not expect work horses to depend upon pasture-grass for any great proportion of the feeding nutrients required. The open air exercise and the small nip of grass will keep them in good condition and is absolutely necessary for the welfare of the colt. I would not feed very much hay to the mares at noon while working, as it is preferable to give the bulk of the hay at night when they have more time to masticate and digest it. Mares of this size will probably require from twelve to fifteen pounds of grain a day to keep them in good condition. G. C. WHEELER.

Farm Notes.

N. J. SHEPHERD, ELDON, MO.

Early-matured stock are raised at a greater profit than those maturing slowly.

A dull, sunken eye shows defective nutritive power and lack of constitution and vigor.

A good appetite, power to digest, and



ARE YOU READY FOR HARVEST

How about it?

Old Mother Earth, the sun and the showers, the dews and the winds are doing and will do their part to produce the wheat and oats and rye and barley that go to make a bountiful harvest.

Are you doing your part?

Are you getting ready to harvest the crop after it is grown?

Do you know how you will cut your grain?

Are you sure you will harvest it to the best advantage—with the least loss of grain, the least waste of time, the least trouble and worry and expense?

These are mighty important questions, for a large share of your profit depends upon them.

It's not too early to begin to think about them.

With high priced land and high priced labor, you need to get every cent from every acre you cultivate.

Help will be scarce and expensive; therefore, you need a harvesting machine that will save you the most labor.

Harvest days are few; therefore, you need a harvesting machine that will save you the most time.

Grain is worth money; therefore, you need a harvesting machine that will save you the most grain.

You can't afford to run risks.

You can't afford to take chances.

And you don't have to.

Take an hour or two, now, before you get too busy and talk to any agent of the International Harvester Company of America, and find out about the International line of harvesting and haying machines for 1906.

You'll be interested whether you buy or not.

Buying a machine of any kind for use on the farm is not as simple a matter as it may seem.

You can "size up" a farm and know pretty accurately how much an acre you can afford to pay for it, but unless you are a mechanical expert you can't judge a machine in the same manner.

You have to take other things into consideration. For example:

You need to know something about the design—the mechanical principles—how the machine works.

You need to know something about the materials used in it.

You need to know something about the skill used in its construction.

You need to know something about the responsibility of the man behind it and about the machine's reputation.

The International Harvester Company line of machines for 1906 will satisfy you on these points—and on every other point that you may bring up.

Bigness is not necessarily a merit in itself.

If you're buying a horse you don't care very much whether the man who raised it, raises one colt a year or 500.

But you know that the man who makes a specialty of horse breeding is more likely to raise a hundred good colts, than is the man who goes at

it in a hit-and-miss, haphazard manner.

It's the same way with farm machines.

You don't care whether a manufacturer makes 1,000 or 100,000 of them, just so the machine satisfies you.

But there's this to take into account:

The first harvesting machine was largely an experiment.

For fifty years inventors and manufacturers continued to experiment, making changes and improvements, adding this and taking away that, until finally a half-dozen harvesters began to stand out head and shoulders above the others.

Why do you suppose that was?

HOW did it happen that the Champion, the Deering, the McCormick, the Milwaukee, the Osborne and the Plano increased in popularity and sales so much more rapidly than the hundred and one other harvesting machines that have been put on the market at various times in the past 50 years?

There is only one reason for it.

They met the demands of the farmer, and satisfied his needs.

In the expressive language of the day, "they made good." They are better today than ever before; they do better work and give greater satisfaction.

And here are the reasons:

1st.—The mechanical principle is right.

The manufacturers of the Champion, the Deering, the McCormick, the Milwaukee, the Osborne and the Plano, by co-operation are able to include in their respective machines every device, every invention, every mechanical principle yet discovered that tends to make a harvesting machine do better work.

By co-operation they are able to maintain such experimental shops as the world has never seen before, making certain that every im-

provement and every device that mechanical genius can contrive will be employed in their line.

2nd.—The materials are right.

By co-operation they are able to own, control and operate their lumber camps, their own saw mills, their own coal and iron mines, their own coke ovens, their own steel mills, relieving them of the necessity of depending upon the uncertain and fluctuating steel markets, coal markets, lumber markets, etc., for their raw materials, and insuring them at all times an abundance of materials which they know to be right. These are added reasons for the superiority of these harvesting machines.

3rd.—The workmanship is right.

The demand for these six leading makes of harvesting machines enables their manufacturers to maintain manufacturing plants of the highest efficiency and to employ workmen of the highest skill—factories and workmen which could not by any possibility be maintained to supply a small demand.

4th.—Their reputation is right.

The fact that so many farmers cannot be persuaded to buy any other,—the fact that so many farmers continue to buy them,—the fact that they are considered the standard wherever grain is grown in every part of the world is sufficient indication of their reputation and their reliability.

You probably need one of these harvesting machines.

You cannot afford to begin harvest with a machine that is liable to break down and cause you several days' delay.

You cannot afford to use a machine that loses a few stalks now and then and a whole sheaf here and there, for a little leak like that eats into your profits at a surprising rate.

Go to the dealer now, and get which ever catalogue you want.

If you don't know an International Dealer—write to us for the name and address of one nearest you.

International Harvester Company of America, (INCORPORATED) Chicago, Illinois.

International Line—Binders, Reapers, Headers, Header-Binders, Corn Binders, Corn Shockers, Corn Pickers, Huskers and Shredders, Corn Shellers, Mowers, Hay Tedders, Hay Rakes, Sweep Rakes, Hay Loaders, Hay Stackers, Hay Balers, Knife Grinders, Gasoline Engines, Pumping Jacks, Manure Spreaders, Weber, Columbus and Bettendorf Wagons, Binder Twine.

ability to assimilate food are the basis of a good feeder.

As long as an animal eats with a good appetite and maintains good thrift the correct quantity is being supplied.

There is a difference between feed for promoting growth and that for making fat. Grow the animal before fattening.

The most successful farmers study every means of increasing the comfort of their stock and lessening the cost of keep.

A variety of feed is best for live stock because they eat it with more relish; besides, in a variety will be found all the elements of nutrition.

Excessive fat is detrimental to breeding stock and the food should consist of those elements that assist in promoting growth rather than fat.

The foundation-stones of good farming are rotation of crops, saving the manure, sheltering the stock, and economy in feeding.

Plan out the season's work so that no available force will go to waste and so that there shall be no expense for maintenance without the direct result in labor.

If a little clearing, a little ditching or draining, a little enriching, or a little picking up is done each year, the farm can be steadily improved. But if

the farm suffers a little neglect each year, it will soon run down.

Selling milk from the farm robs the land to nearly as great an extent as does wheat; but where cream only is sold, and the skim-milk fed, the loss of fertility is very small.

If the fences are always kept in good repair, the stock does not so readily learn to be breachy, and as much depends upon training your stock as on building the fence properly.

Properly managed, a rotation of crops utilizes all of the elements of fertility in the land, and gives that rest and change of diet which are as necessary to land as to stock or man.

Stock Interests

PURE-BRED STOCK SALES.

Dates claimed only for sales which are advertised or are to be advertised in this paper.

Feb. 23-24, 1906—Manhattan, Kans., Percherons. Henry Avery & Son of Wakefield, Kans.

Feb. 24, 1906—Poland-China bred sows, H. E. Lunt, Manager.

Feb. 24, 1906—Poland-Chinas, at Wich a, Kans. by H. E. Lunt, Burden, Kans.

February 28, 1906—Duroc-Jerseys by J. F. Staadt, Ottawa, Kans.

February 28 and March 1, 1906—C. A. Tannard, Guggell & Simpson, Kansas City, Mo. H. H. Gifford.

March 1, 1906—Shorthorns, L. R. Strawn, Valley Falls, Kans.

March 13, 1906—40 Poland-China bred sows, and 45 Shorthorns. C. S. Nevius, Chiles, 1 mi.

March 13, 1906—Shorthorns and Poland-Chinas by C. S. Nevius, Chiles, Kans.

March 20-22, 1906—Combination sales of Shorthorns, Herefords, Aberdeen-Angus and Herefords at Kansas City; R. A. Ford, Manager, Lawson, Mo.

March 23, 1906—Shorthorns by Shawnee Breeders Association at Topeka State Fair Grounds, I. D. Graham, Secretary, Topeka, Kans.

April 2, 1906—James Stock Farm, Willard, Kans., trotting bred horses.

April 13, 1906—Shorthorns by the Southeastern Breeders Association at Fredonia, Kans. H. E. Bachelder, Manager.

April 25, 1906—Shorthorns at Manhattan, Kans. F. M. Gifford, Wakefield, Kans.

May 16, 1906—Geo. Allen, Omaha, Neb., Shorthorns.

Animal Dentistry.

By Dr. T. W. Hadley, Late Professor of Animal Dentistry, Western Veterinary College, Before the Sixteenth Annual Meeting of the Kansas Improved Stock-Breeders' Association.

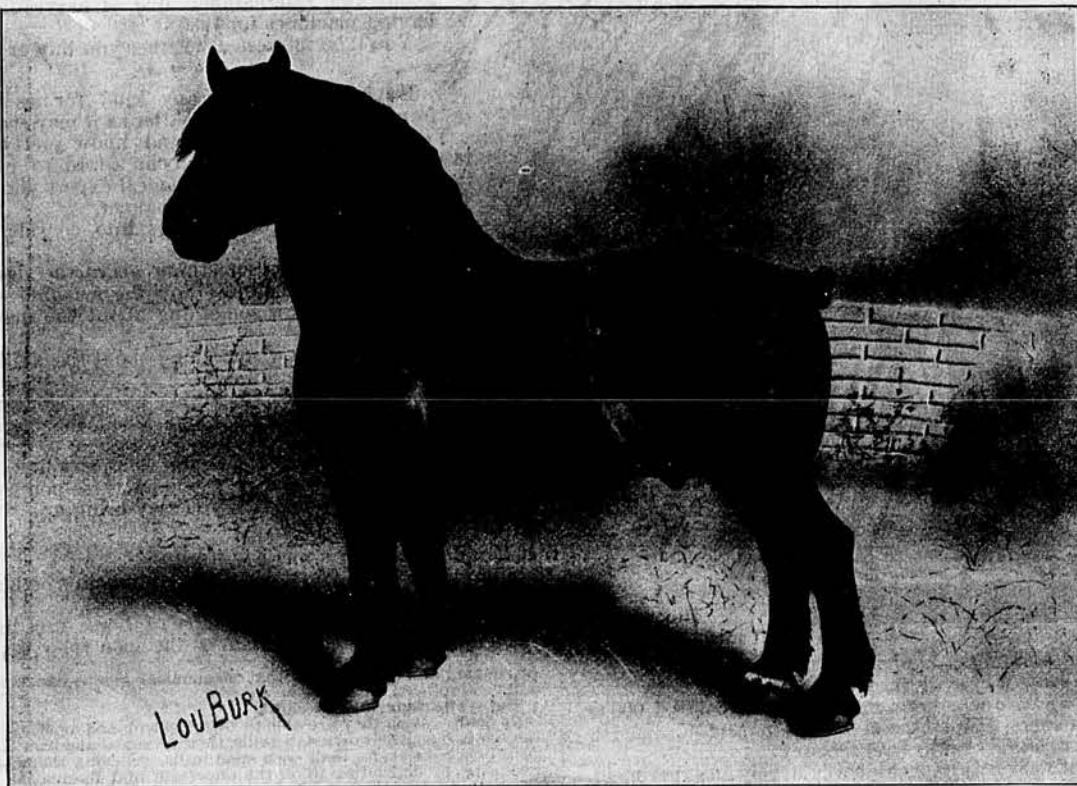
The thrift and health of our domestic animals depend largely on their ability to assimilate or convert their

Venience. But not until about twenty years ago did I find any one who pretended to furnish the relief I felt sure could be furnished. When I saw this man do the work I became an enthusiast on veterinary dentistry, and now they call me a "tooth crank," an accusation to which I plead guilty. Perhaps as good an illustration as I could give you of what has happened and might have been avoided is the case of the once very noted trotting stallion, Ethan Allen, who at his death and for some years before was owned by Sprague & Akers, on a farm near Lawrence, Kansas, just under the hill of the University. The history of his case is that some three years before his death he began to go down in flesh, and was treated by the veterinarian for general debility, but to no avail. He became very emaciated and finally died, and was buried on the farm. Some years after, his bones were dug up, cleaned and mounted, and placed in the Museum of Natural History of the State University. On visiting the museum I saw the skeleton, and being told whose it was, I naturally examined it closely, and there found the cause of his decline and death. It was all from defective teeth. At some time he had lost the fourth lower molar or grinder on the right side. This left nothing to oppose the corresponding, one above so there was no wear on it, and it grew down until it came in contact with the lower jawbone and cut a notch in the bone three-fourths of an inch deep and fully an inch wide at

thoroughly competent; because an incompetent man can do you more damage than good. Never employ one of the traveling fellows styling themselves "veterinary dentists," or "horse dentists," for if they are as proficient as they claim to be, they would not need to travel to get business. Any man who is a good man at the profession can locate himself and do work that will create a demand for his services that will keep him from traveling. Never allow a man to operate on your stock without a mouth speculum, an instrument made for holding the mouth open. There are several patterns in use that are good. There are several reasons for this; for instance, a man can see and know what he is doing; another is, that the animal being operated on without one will shut down on the forceps, and crush or split a tooth and cause trouble and expense.

DISCUSSION.

Mr. Terry: I think that if farmers as a class, stockmen and horsemen especially, will study this subject of veterinary dentistry they will be surprised. I venture to say that not two horses in five will not have defects in their teeth. I expect I have examined a thousand horses for that purpose and I do not believe there is a man here who has not made examination himself that has the least idea how many horses are ruined by diseased teeth. Everything that passes between those teeth causes that horse pain, the same as it would a man or anything else. I



Hector (30020) 2005, a beautiful bay Belgian. Three years old. Imported and owned by the Lincoln Importing Horse Company, Lincoln, Neb.

food into bone and muscle or flesh. In order to obtain proper assimilation, the food must be well digested. The preparation of the food for digestion begins in the mouth by mastication or chewing. During this act of mastication the food is also salivated, which also assists in digestion. If there should, perchance, be some defect in an animal's teeth, he certainly would be unable to properly masticate his food, and as a result digestion would be poor and the animal unthrifty.

Animals that are in this condition are often called "runts," "raw-boned," "rough," etc., when all that ails them is some defect in their teeth. The attendant will say he can not see why they are smaller and thinner than the others, for he knows they consume as much or more than the others in the lot or bunch, which is a fact.

Dentistry in the domestic animals has always appealed to me as a necessary and sensible procedure. I have been placed in close contact with them as far back as I can remember. My father was in the butcher business from the time I was a small boy and until his death, and I naturally learned the butcher's trade. In working at this trade—especially while doing the slaughtering—I had a chance to see a great many dental defects, and while yet a young lad I often wondered if there could not have been some means by which the poor animals could have been relieved of a great deal of suffering and inconvenience. When in later years I quit the butcher business and started handling horses in various ways, I saw more suffering and incon-

the top. Think of the suffering! Think of the relief that might have been given him with a few minutes work at a small expense.

In my practice I find every day some poor animal suffering more or less from some dental trouble; and it covers all the domestic animals from the cat to the horse. While in college I even helped to extract three decayed teeth from a large male lion in Hagenbach's menagerie.

I would like to impress on every member of the State Improved Stock-Breeders' Association the necessity and benefit of looking after his animals' teeth. It will save money in feed-bills, anxiety of mind, and afford much satisfaction.

Among the many symptoms or signs of disordered teeth that will be noticed are unthrift or loss of flesh, rough, staring coat, slobbering, holding the head to one side while eating or drinking, quidding, or chewing hay or fodder into wads and spitting it out, and refusing to feed for days at a time. There are so many things that may go wrong in an animal's mouth that I hardly dare to enumerate them. A tooth may start to decay at the roots and show no sign of it on the outside. There may and often does occur an elongated tooth, as in the case I have already mentioned; teeth often get split by biting on some hard substance taken into the mouth with food, and in many other ways. But any competent veterinarian will find these numerous troubles on examination. When employing a man to do dental work on your animals be sure he is

do not believe two horses in ten but have defect of some kind in their teeth.

A Member: Will you let the hog in?

Professor Harvey: I have extracted decayed teeth from the hog.

Mr. Heath: I would like to ask which class of animals have the greatest trouble with the teeth?

Professor Hadley: Cattle and horses. Do not forget your cattle, gentlemen.

Mr. Coburn: Suppose a horse is found with a split tooth—should that tooth be pulled out?

Professor Hadley: Yes, sir.

Mr. Coburn: (To Mr. Terry) you agree with Professor Hadley that this is the only treatment?

Mr. Terry: Yes, sir.

A Member: You state that sometimes the root of the tooth is ailing. How do you find that?

Professor Hadley: You will find some trouble with his eating in the first place. We use a small mallet and tap the teeth, and when you come to the one which is decayed you will find it out. The horse will tell you.

Armour's Beef Meal.

Will you please give me the composition of Armour's beef meal if you have it and its feeding-value for brood sows and growing pigs, also what you consider it worth per hundred pounds compared with alfalfa hay at \$5 per ton.

P. W. HOLM.
The following analysis of Armour's fine meat meal has been made by Prof. J. T. Willard, director of the Kansas Experiment Station: Crude protein, 66.15; ether extract, 13.26; ash, 7.28. At the prices at which the various meat

More Pounds of Rich Butter

can be made in any given time, from any given herd of any given breed—if the cows regularly receive small doses of Dr. Hess Stock Food, night and morning. Feeding cows to the limit of their digestion, which is so essential, is attended with no bad results, and stock of all kinds put on increased weight when fed.

DR HESS STOCK FOOD

the prescription of Dr. Hess (M.D., D.V.S.). It contains tonics for the digestion, iron for the blood, nitrates to expel poisonous materials from the system, laxatives to regulate the bowels. The ingredients of Dr. Hess Stock Food have the endorsement of the Veterinary Colleges and the Farm Papers. Recognized as a medicinal tonic and laxative by our own Government, and sold on a written guarantee at

5¢ per pound in (Except in Canada 100 lb. sacks, and extreme West and South. 25 lb. pail \$1.60.)

A tablespoonful per day for the average hog. Less than a penny a day for horse, cow or steer.

If your dealer cannot supply you, we will.

DR. HESS & CLARK, Ashland, Ohio.

Also Manufacturers of Dr. Hess Poultry Pan-a-cia and Instant Louie Killer.

Fistula and Poll Evil

Any person, however inexperienced, can readily cure either disease with

Fleming's

Fistula and Poll Evil Cure

—even bad old cases that skilled doctors have abandoned. Easy and simple; no cutting; just a little attention every fifth day—and your money refunded if it ever fails. Cures most cases within thirty days, leaving the horse sound and smooth. All particulars given in

Fleming's Vest-Pocket

Veterinary Adviser

Write us for a free copy. Ninety-six pages, covering more than a hundred veterinary subjects. Durable bound, indexed and illustrated.

FLEMING BROS., Chemists, 212 Union Stock Yards, Chicago, Ill.

PINK EYE CURE FOR HORSES AND CATTLE

Sure relief for Pink Eye, foreign irritating substances, clears the eyes of Horses and Cattle when quite milky. Sent prepaid for the price, \$1.

Address orders to W. O. THURSTON, Elmdale, Kansas.

HOG CHOLERA

Free remedy for 30 days. I am going to prove to the hog raiser of this country that I am offering him the remedy he has been looking for. Send me your name and I will send you a regular \$1.00 package for trial.

W. E. VINCENT, Prop. Elm Lawn Stock Farm, Hutchinson, Kans.

Combination Thief-Proof Whip and Walking Stick

The Greatest Novelty of the age. No buggy is complete without one. Price, \$1; postage paid to any part of U. S. Address

E. T. Davis Co., Tippecanoe City, Ohio. Send your orders quick.

Modern Silage Methods

That is the title of our new 216 page book. It tells everything anybody could possibly want to know about the silage subject. You can't think of a question that it does not fully answer. How to build, from foundation up, all kinds of silos. All about the crops and how to cut and fill. How to feed, with the most complete feeding tables ever published. About 40 illustrations help to make things plain. Used as a text book in many Agricultural Colleges. We have always sold the book for 10 cents, but for a limited time, to any reader who will ask for it, and name this paper, we will send a copy free. Write at once.

SILVER MFG. CO., Salem, Ohio.

meals are sold for feeding-purposes, they certainly supply a very cheap source of protein. The value of tankage or meat meal is being experimented with by a number of Experiment Stations in growing and fattening of swine as a complement to corn and with most favorable results. In every case where hogs have been fattened on corn and tankage the gains have been made more cheaply than upon corn alone. The Kansas Station has just completed a feeding-test of corn and tankage and marketed the hogs at the age of nine months at an average weight of 325 pounds. These hogs have gained during the 112 days of the experiment at the rate of 1.75 pounds per head daily. The gains have cost \$4.07 per hundred-weight with tankage at \$40 per ton and corn at 35c per bushel. A similar lot fed the same period upon corn alone have gained at the average rate of one pound per day and the gains have cost \$4.32 per hundredweight. The tankage-fed hogs also brought a higher price on the market. I do not feel prepared to speak so definitely as to its value for brood sows and growing pigs. An experiment will soon be made at this station to test the value of tankage with younger pigs. For the feeding of brood sows I regard alfalfa hay as being very valuable and would give them all the alfalfa hay they will eat of the best quality obtainable. They will keep in a more healthy and vigorous condition than when they are confined to a ration of corn only. A little tankage may also be of value to the brood sows as a means of supplying protein, so necessary for the development of the young pigs, but I would not feed it to the exclusion of alfalfa.

G. C. WHEELER.

Comparative Feeding-Value of Mangel Wurtzels.

As you are an authority on animals and feeds for the same, can you give me the relative feeding-value of cow beets or mangel wurtzels as compared with bran at \$16 per ton, corn-chop at \$15, alfalfa \$7 to \$8, according to color and stage in which cut or cured, oil-meal, \$1.65 per cwt? What ought to be the price per ton of beets as compared with above?

W. R. STATES.

Owing to the ease with which corn can be grown and its large yields of both grain and forage, the growing of root crops for feeding-purposes is not nearly so common in the United States as with the English and Canadian feeders.

The Ohio Experiment Station reports a yield of sugar beets as high as 16 tons per acre on land which will produce 60 bushels of corn per acre. They estimate that it cost \$2 per ton to raise, harvest and place these in the cellar. The yield in Canada of mangels and carrots is at the rate of 13 1-2 tons per acre; the cost of producing and storing reaching about \$2.50 per ton.

Various experiments in Europe and some in the United States indicate that root-crops will replace grain in the ration at the rate of about ten parts of roots to one of grain, these being the averages of a large number of experiments. With this as a basis and the value for grain-feeds as given, root-crops will be worth at least \$2 per ton for feeding-purposes.

Studies in the carcasses produced by heavy feeding of root-crops show that the dressed weight in cattle, sheep, and hogs show in every case a greater shrinkage than where grain is fed. The carcasses of root-fed animals show less fat and are more watery than those from dry feeds. For young animals and

breeding stock this is a desirable condition. Animals running on pasture likewise show a more watery carcass and also lay on flesh at less cost for feed consumed. The feeding of root crops to this class of animals will tend to keep them in a more healthy and vigorous condition. The firm, hard flesh produced by dry grain feeding is certainly not conducive to vigorous young at birth and I believe that some form of succulent feed is most desirable for feeding breeding animals. Looking at it from this standpoint, roots have undoubtedly a higher feeding-value than would be indicated by the digestible nutrients they contain.

You do not state definitely what class of animals you are feeding, so a more precise answer could not be given; however, you can safely estimate that roots are worth at least \$2 and possibly somewhat more per ton for supplying a little succulence to maintain breeding animals in the best of condition during the winter season.

G. C. WHEELER.

Standard Poland-China Association Meeting.

The Standard Poland-China Record Association held its annual meeting in the Live Stock Exchange building at South St. Joseph. The meeting began with a banquet at the splendid new Transit House on the evening of February 13, where about 50 members of the association met a large number of business men and stockmen. Manager M. B. Irwin, of the St. Joseph Stock Yards, acted as toastmaster and did himself proud. Those who were present all bear testimony to the good things found upon the table and the better things found in the toasts which followed. February 14 was devoted to the business meeting. The report of the Treasurer showed the affairs of the association to be in a very healthful condition. The receipts of the past year amounted to \$9,562.16, and the balance now in the treasury is \$9,175.22.

President Hayzlett, in his annual report said:

"At our last annual meeting 582 shares of stock had been sold. We now have 650 shares of stock sold. I desire to compliment the directors on their wise and judicious management of the association's business during the past year. They have fully sustained the previous record and have been faithful to their trust. The Standard has had a remarkable growth during the past year, doing a business of \$9,416.66, which is marvelous. From an examination of the books at the secretary's office I find receipts disclose a feature of prosperity that is interesting to note which you will please observe from the secretary's report."

With Kansas City and Maryville both extending invitations and offering inducements for the next annual meeting, the Standard Poland-China Record Association voted to hold the next meeting in St. Joseph.

The election of president and board of directors for the ensuing year resulted as follows:

A. B. Garrison, Beattie, Kans., president.

Directors—W. T. Garrett, Maryville, Mo., chairman; B. R. Woodford, Shenandoah, Ia., secretary; E. E. Axline, Oak Grove, Mo.; John Blaine, Pawnee City, Neb.; John McKelvie, Plymouth, Ill.; C. F. Hutchinson, Bellaire, Kans.; W. T. Robertson, Lynd, Minn.

The newly elected directorate held a meeting in Maryville last night for the appointment of a secretary and treasurer and transaction of other business.

Each State in the association has a vice-president as follows: James Johnson, Arizona; W. W. Willson, Illinois; J. T. Paynter, Kansas; C. B. Allen, Mississippi; H. H. Wing, New York; P. W. Peterson, South Dakota; T. M. Horsfall, Arkansas; W. A. Paxton, California; J. W. Jones, Iowa; O. B. Findley, Indiana; James Balingier, Colorado; L. L. Brooks, W. S. Parker, D. B. Garriott, Kentucky; G. W. Gilles, Nebraska; G. E. Hayden, C. C. Williams, Washington; T. B. Gill, Wyoming; J. F. Bishot, Indian Territory; W. L. Davis, Ohio; E. E. Carver, Missouri; G. A. Swanson, Idaho.

Kansas City Hereford Sale.

In again calling attention to the sale to be held in Kansas City, Mo., February 28 and March 1, it is with the hope that intending purchasers of Herefords will not overlook the fact that this will be an opportunity that may not again present itself for a long time to come.

Every one of the sixteen contributors to this sale, is a breeder of high standing and is reliable in every sense of the word, and when such breeders thoroughly guarantee every animal that they sell, the buyer takes no chance whatever, for if any animal proves not to be just as represented or a breeder under reasonably good subsequent treatment, the purchase price is refunded or an animal of equal value is given instead of same.

The cattle that will be sold at this

SLOAN'S LINIMENT

For Your Family and Your Horse
The Best Antiseptic Known.



TRY IT FOR
Rheumatism, Strains,
Sprains, Swellings
and Enlargements.

Price, 25c., 50c. and \$1.00.

Dr. EARL S. SLOAN,
615 Albany St., Boston, Mass.

It Will Pay You To Investigate

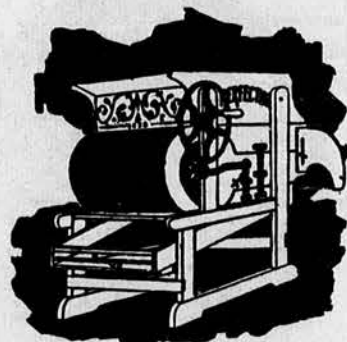
the merits of the

"PERFECTION"

CLEANER,

SEPARATOR,

GRADER.



This will clean, grade and separate all kinds of seed and grain. It will grade your seed so that you can get an even stand. It will take out all undeveloped seed. You should have the machine on your farm. It will save and make you money.

"WRITE NOW"

For prices and seed samples of how the Perfection does its work.

THE LEWIS, TUTTLE MFG. CO., 305 Kansas Avenue, Topeka, Ks.

Real Fence Economy

consists of getting the greatest possible fence value for the money expended. We offer you the best fence value obtainable and here is why we can do it.

We Sell Direct from Factory to the user of the fence. Thus we avoid all unnecessary and expensive handling and storing and cut out all profits and commissions of go-betweens. This makes a large saving. It enables us to spend more for good material and proper construction.

The Continuous Stay is what gives Advance Fence its superior strength. In Advance Fence the stay is never cut but runs continuously up and down across the fence for many rods without an end. Thus we preserve and utilize all the strength of the wire about half of which is wasted in fences with cut stays. Our method of construction costs a little more but it's worth while.

30 Days' Free Trial. Place your order with us for what fence you need and if after examining it you do not like it you can return it at our expense and get your money back. Don't you think this is a fair offer?

We Prepay Freight and guarantee safe delivery.

Write today for our Free Fence Book and wholesale delivered prices.

ADVANCE FENCE CO.
3773 Old Street Peoria, Ill.

ADVANCE



The Best Lister

to buy is the one that will do the most satisfactory work with lightest draft and smallest outlay for repairs, these features are all prominent in

The Tongueless Tricycle

the only lister that can be used without a pole. Bottom hangs almost directly between the wheels, and a square corner can be turned with bottom in the ground. It is frameless and has no complicated parts to break or wear out. Driver sees every kernel of corn as it drops. Actual weight 356 pounds. Write to-day for booklet giving complete description and our proposition to you.

Rock Island Implement Co.,

1310 West 13th Street. KANSAS CITY, MISSOURI

14 INCH DOUBLE SHIN STEEL BEAM PLOW \$8.40
Made of the best Soft Center Steel all over; highly tempered, finely polished. Guaranteed to satisfy you or money refunded. All sizes, from 6-in. to 18-in. Send for big free catalogue of Riding Plows, Disc Harrows, Listers, Cultivators, Wagons, Harness, Steel Ranges, Sewing Machines, and a thousand other things sold to you direct at wholesale prices. Write now and get ready for spring work.

16-inch Only \$8.95 Extra Share \$2
12 in. Hard Steel Castor-Coupler With Plow \$1.25
13 in. " 1.50
HAPGOOD PLOW CO., 77 Front St. Alton, Ill.
The only Plow factory in the United States selling direct to the farmer.

Dollar Package FREE

Man Medicine Free

You can now obtain a large dollar size free package of Man Medicine—free on request.

Man Medicine cures man-weakness. Man Medicine gives you once more the gusto, the joyful satisfaction, the pulse and throb of physical pleasure, the keen sense of man-sensation, the luxury of life, body-power and body-comfort—free. Man Medicine does it.

Man Medicine cures man-weakness, nervous debility, early decay, discouraged manhood, functional failure, vital weakness, brain fag, backache, prostatitis, kidney trouble and nervousness. You can cure yourself at home by Man Medicine, and the full size dollar package will be delivered to you free, plain wrapper, sealed, with full directions how to use it. The full size dollar package free, no payments of any kind, no receipts, no promises, no papers to sign. It is free.

All we want to know is that you are not sending for it out of idle curiosity, but that you want to be well, and become your strong natural self once more. Man Medicine will do what you want it to do; make you a real man, man-like, man-powerful.

Your name and address will bring it; all you have to do is to send and get it. We send it free to every discouraged one of the man sex. Interstate Remedy Co., 1468 Luck Bldg., Detroit, Mich.

time have been carefully selected and buyers will have the opportunity of securing as good blood as there is to be found in the Herd Book; and, as there are going to be about 100 head in this sale it is not the expectation of the contributors that record prices will be received, but on the contrary they rather fear that selling so many, the animals will not bring what they should bring, so it is really believed that there are a number of rich bargains in store for the breeders who attend.

Do not overlook this important sale, but by all means arrange your affairs at home and be on hand.

The sale will be under the management of Secretary C. R. Thomas, Kansas City, Mo., who will be glad to answer any questions relative to the same or furnish catalogue upon application, and should any parties who are unable to attend like to send a bid upon anything in the catalogue, Mr. Thomas will take pleasure in receiving the same and following instructions to the letter.

Leon Calhoun's Poland-China Sale.

The Leon Calhoun sale at Atchison was well attended by breeders and resident farmers. A splendid crowd greeted the auctioneer at the opening of the sale, and it took very few minutes to demonstrate that they were there for business. The principal attractions were there for business. The principal attractions were the good sows and gilts bred to the great bred boar, Prince Darkness. The top was a splendid gilt by The Picket bred to Prince Darkness, going to the good breeder, Frank D. Winn, at Mastin, Kansas, who bred both the sire and the boar to which she was bred. The entire offering went to buyers as follows:

No.	Name	Price.
1.	B. P. Wagner, Atchison, Kansas	\$35.00
2.	H. L. Brewster, Halls, Mo.	36.00
3.	B. P. Wagner	34.00
5.	H. M. Kirkpatrick, Walcott, Kansas	51.00
6.	John Bollin, Leavenworth, Kansas	50.00
7.	Guss Aaron, Leavenworth, Kansas	42.00
8.	H. L. McKelvie, Fairfield, Neb.	50.00
9.	Frank D. Winn, Mastin, Kan.	100.00
10.	J. Volk, Cummings, Kan.	34.00
11.	J. A. Brown, Atchison, Kan.	33.00
12.	Frank Hummel, Everest, Kan.	39.00
13.	Joe Juencke, Farmington, Kansas	36.00
14.	A. J. North, Doniphan, Kan.	36.00
15.	F. E. Mueller, Breckenridge, Missouri	38.00
16.	Guss Aaron	45.00
17.	B. P. Wagner	29.00
18.	B. P. Wagner	40.00
19.	B. P. Wagner	32.00
20.	A. Betram, Bendena, Kan.	67.50
21.	John Bollin	36.00
22.	H. M. Graves, Atchison, Kan.	35.00
23.	J. A. Buttram	25.00
24.	Fred Juencke, Farmington, Kansas	38.00
25.	C. O. Nyhart, Cummings, Kansas	39.00
26.	J. E. Perrin, Huron, Kan.	39.00
27.	J. E. Perrin	37.00
28.	J. A. Brown	37.00
29.	J. J. Braniff, Atchison, Kan.	30.00
30.	H. L. Brewster	40.00
31.	Klaus Brothers, Bendena, Kansas	34.00
32.	C. E. Brenner, Atchison, Kansas	31.00
33.	J. Juencke	26.00
34.	H. M. Graves	34.00
35.	John Bollin	34.00
36.	A. M. Wilson, Halls, Mo.	26.00
37.	M. S. Babcock, Nortonville, Kansas	25.00
38.	H. L. Brewster, Halls, Mo.	26.00
39.	Lewis Nyhart, Cummings, Kansas	26.00
40.	Fred Juencke	36.00
41.	J. H. Eymann, Wetmore, Kan.	34.00
42.	J. E. Perrin	25.00

Dawley's Poland China Sow Sale.

At Osborne, Kansas on February 14, Mr. F. A. Dawley of Waldo, Kan., held the greatest sale of Poland-China sows that has been held in Kansas this year. As will be seen by our report, there were breeders present from wide-

ly scattered points and they were of the best. The sale included 44 head of sows and gilts which brought \$3,313 or an average of \$75.30 per head. Mr. Dawley is a young man only recently graduated from the Kansas Agricultural College, but he has made wonderful strides as a breeder. There is nothing in the Poland-China herd books that is too good for him to get. He does not hesitate to spend money when he is getting what he wants. We take pleasure in publishing the accompanying report somewhat in detail because of the quality of the offering and of the remarkable average made.

The sale is as follows:

Thomas & Swank, Waterville, Kansas.	
Mary Wilks by U. S. Chief Perfection	\$55.00
Artful by Corrector	97.50
On's Rosalie by On and On	147.50
Spring Maid by Second Tecumseh	65.00
Hadley's Victoria by Hadley's Tecumseh	54.00
A. C. Greer, Waldo, Kansas.	
First Choice by Woodbury	100.00
Stewart & Son, Portis, Kansas.	
Ophelia by Grand Chief	251.00
J. Walter Garvey, Thayer, Illinois.	
Shine E. L. by Perfection E. L.	200.00
Pet 4th by Corrector	200.00
Web Davidson, Glasco, Kansas.	
On's Rose by On and On	122.50
Little Porus by Perfection's Likeness	90.00
Howard Reed, Frankfort, Kansas.	
Orlolo by Woodbury	75.00
W. A. Prewett, Asherville, Kansas.	
Hulda's Sister by Stylish Perfection	60.00
Leon Calhoun, Potter, Kans.	
Evangeline by Chief Perfection 2nd	86.00
Henry Shuler, Clifton, Kansas.	
D's Promise by D's Ideal Sunshine	50.00
Keep Me Too by Highroller	40.00
C. E. Toothacre, Hoxie, Kansas.	
Hadley's 2nd by Eclipse Model	42.50
W. T. Hammond, Portis, Kansas.	
Minnie H. by Hadley's Tecumseh	67.50
Honeyman & Milburn, Madison, Kansas.	
Keep On Daisy by Keep On	152.50
Cocquette by Skybo	100.00
O. F. Olson, Brookville, Kansas.	
Woodbury Queen by Woodbury	67.50
Lady Sunlight by G's Perfection	66.00
Miss Quality by Highroller	57.00
Lee Cowger, Osborne, Kansas.	
Salvia by Chief Perfection 2nd	51.00
L. E. Deaver, Esbon, Kansas.	
Miss Parker by Parker	50.00
F. C. Herrick, Osborne, Kansas.	
Sister Sue by Spellbinder	100.00
A. J. Ward & Son, Belleville, Kansas.	
Pansy Blossom by Skybo	85.00
E. A. Kramer, Plainville, Kansas.	
Belle by Perfect Success	60.00
J. E. Hebrew, Stockton, Kansas.	
Winnie by Grand Chief	91.00
J. A. Goff, Simpson, Kansas.	
Springside by Faultless Over Chief	51.00
Grant Crawford, Lincoln, Kansas.	
Miss Topsey by Perfection's Profit	43.00
James Holmes, Densmore, Kansas.	
Lady Gwendoline by Perfection's Profit	43.00
Princess by Prince Henry	40.00
E. A. Wood, Lincoln, Kansas.	
Kansas Sunflower by Sunflower Perfection	50.00
Samantha by Perfection's Profit	35.00
Tom Collins, Barnard, Kansas.	
E. L's Beauty by Perfection E. L.	60.00
B. A. Phillips, Osborne, Kansas.	
Mayflower by G's Perfection	41.00
W. H. Sayles, Simpson, Kansas.	
Sweetheart by Woodbury	42.50
Monroe Dawley, Osborne, Kansas.	
Woodbury's Perfection by Woodbury	58.00
M. W. Adamson, Lincoln, Kansas.	
Little Mischief by Woodbury	42.00
E. E. Leak, Agra, Kansas.	
Magdalene by Choice Chief	30.00
S. T. Kindley, Downs, Kansas.	
Tecumseh J. C. Model by Kansas Chief	36.00
B. B. Tatman, Cawker City, Kansas.	
Lady Edith by Admiral Togo	26.00
One Boar pig by Nonpareil to E. E. Leak, Agra, Kansas, for	32.00
Total	\$3313.00

Strawn's Sale of Shorthorns.

L. R. Strawn's sale of Shorthorn cattle, which will be held March 1 at his farm near Half Mound, Kansas, offers exceptional opportunities for breeders of this famous breed of cattle to purchase some cows, bulls and heifers of royal blood. Don't fail to attend this sale. His farm can be reached by the L. K. & W. Ry., from points west of Holton, or by a short drive from Valley Falls. Send for his catalogue and arrange to attend the sale. Col. L. R. Burger, the well-known auctioneer at Wellington, Kans., will cry the sale. If you can not attend in person, select what you want from the catalogue and send in your bids to C. E. Shafer, fieldman for the KANSAS FARMER, and he will give them careful attention.

Ward Brothers' Great Sale of Durocs.

Ward Brothers, the well-known hogmen, will hold their annual sale of Durocs on Tuesday, March 6, at their farm three miles south of Republic, Kans. This offering is among the best which has been made this season, and includes ten registered sows which are bred to their great boars, Shakespeare 3d (17919), Model H (57967), Honest John (37383), and King John. These sows are from 3 to 4 years old and consist of Bright Beauty (32966), sired by King Marti; dam Dark Beauty (76120); W. H. Choice (95082), sired by Corrector A; dam Athol Queen; Sunflower P (35228), sired by Ak-Sar-Ben 4th (9423 A); dam Souvenir 3d (23264); Improver's Queen (95084), by Improver 2d; Yellow Gal (86092), by Best of Topnotcher; Ward's Aledos 2d (58400), by Young Acme; and Miss Marti (95086), sired by Marti King. Also, Miss Idol (95086), by Hugh Idol, by Topnotcher; Miss Dial 3d 76122, sired by Young Thorn; June R 2d (83968), by Ak-Sar-Ben; also eighteen spring gilts and fall yearlings, some out of the sows named and others out of their own breeding sows which

Williams' Shaving Soap

Suppose your dealer *does* make a few extra pennies by recommending an inferior shaving soap!

What good does that do you? It is your face that suffers—not the dealer. Insist upon Williams'.

Send 4c. in stamps for a Williams' Shaving Stick, (Trial Size.) (Enough for 50 shaves.)

Williams' Barbers' Bar, Yankee, Mug, Quick & Easy Shaving Soaps and Williams' Shaving Sticks.—Sold everywhere. Address,

THE J. B. WILLIAMS COMPANY,
Dept. A, Glastonbury, Conn.



they will keep in their herd. These gilts are bred to Long Orion by Orion, and Honest John by Young John; also some of them to their great herd boar. Ward Brothers have been in the hog business for many years and have shipped their stuff all over Kansas, and they rank high among the Duroc breeders of the State. Their catalogue is now ready and free for the asking. Mention the KANSAS FARMER and send for one at once. Parties who are unable to attend this sale but desire some of this stock may send bids to C. E. Shafer, the fieldman of the KANSAS FARMER, care of Ward Brothers, Republic, Kans., and they will receive careful attention.

Jones & Son's Sale.

Jones & Son's sale of Durocs at Concordia last Tuesday was very successful considering the difficulty under which it was held, the day being very stormy and cold, so that many buyers were unable to attend. The stuff averaged \$42.20 per head, which, considering the quality of the offering, was very low. Jones' stock is always in demand and with a fair day his average would easily have been \$75 per head. They will shortly remove their famous herd of Durocs from Delphos to Concordia, Kansas, where they have purchased a fine farm and will continue to raise pure-bred hogs.

The Lincoln Importing Horse Co.

Manager A. L. Sullivan of the Lincoln Importing Horse Co., of Lincoln, Neb., makes a change in his advertisement this week and states that business with the big horses is good. Buyers are visiting the \$10,000 barn almost daily and many sales have been made. With the large number of stallions now on hand Mr. Sullivan is able to give customers a wider range of choice than he could later in the season. He has issued a beautiful catalogue of these horses which may be had for the asking.

Gossip About Stock.

Philip Albrecht, proprietor of the West Beaver Valley Stock Farm, at Smith Center, Kans., has a herd of Durocs that is hard to beat. Mr. Albrecht is constantly adding to his herd from the best strains of blood in the country and is rapidly taking a place among the foremost breeders of the State.

It is not often that readers of the KANSAS FARMER have such an opportunity as that advertised by J. W. Babbitt, of Hiawatha, Kans., who offers a nice bunch of Shropshire sheep for sale. This sale will take place at the farm, 2½ miles east of Hiawatha, Kans., on Monday, February 26. The sheep offered are descended from the flocks of Geo. Allen and W. R. Weaver, the great Illinois breeders. Any one unable to attend this sale may send bids to Mr. Babbitt and be sure of fair treatment.

Mr. Henry Shuler, of Clifton, Kans., purchased two sows at the Frank Dawley sale, which was held at Osborne, Kans. They were Keep-Me-To by High Roller by Woodbury; dam Elsie Keep On by Keen On; and D's Promise by D's Ideal Sunshine by Ideal Sunshine, dam, Delightful U. S. 67473. Keep-Me-To is bred to the great boar, Nonpareil, and D's Promise to Admiral Togo. Mr. Shuler is just starting in the pure-bred hog business and makes no mistake by starting his herd with Dawley's great strain of hogs.

At Hope, Kans., on March 6, Mr. Thos. Gribben will disperse his herd of Galloway cattle. This herd numbers 33 head, of which 23 are females ranging from 10 months to 8 years old. None of the bulls are older than 30 months. Among these cattle are some prize-winners. These are mentioned in the advertisement on page 207. This will be a fine opportunity to secure Galloways of choice breeding at your own price. In addition Mr. Gribben will sell about 40 head of high-grade Galloway cattle and 15 mules. It is not often that such a chance presents itself. Read the advertisement carefully and you will want to go.

Among the jacks and jennets that will be sold at Moran, Kans., Friday, March 9, by W. D. Gott, Xenia, Kans., will be Chief Bonbon 962; black jack coming 4 years old, 15½ hands high, standard measure; Black Eagle 944, coming 5 years old, 15½ hands high; Giant 943, 7 years old, 15½ hands high; King Joe 945, 1 year old, 15 hands high, and the jennets that are producing

PUBLIC SALE 25 Shropshire Sheep



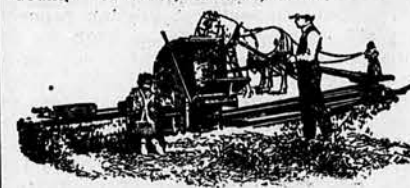
To be held at

Hiawatha, Kansas, Monday Feb. 26.

I will sell at public sale 2½ miles east of Hiawatha, 25 head of Shropshire sheep. These are fine individuals, descendant from flocks of S. M. Allen and W. R. Weaver, of Illinois. The sheep offered are full blood but not registered. For further particulars

J. W. Babbitt, Hiawatha, Kansas

I am well pleased with the Auto-Fedan, but sorry I did not get one sooner. J. J. Schneider, County Treasurer, Abilene, Kans.



Satisfaction guaranteed. Manufactured by the AUTO FEDAN MFG CO., 1064 Jefferson St., Topeka, Kansas

Seed Oats

50c a bushel and up. The cheapest, best yielding Oats are Ratekin's Reliable Grown, pure stock, Ratekin's New Sensation, Early Champion, White Russian and Texas Red Rust proof. Write for big catalogue, gives full descriptions of these oats, and all farm seeds, free. A postal will bring it. Address Ratekin's Seed House, Box 19, Shenandoah, Ia.

13 WEEKS FREE Or 15 months for only \$1 The Kansas Farmer

The "old reliable" KANSAS FARMER, established in 1863, the best genuine agricultural weekly paper in the west. It solves the problems for the busy farmer. It helps and interests every member of the farmer's family. It has 12 regular departments. Its contributors are expert authorities. It contains 24 to 32 pages each week. Sent on trial three months free. Test it. Clip the coupon below.

KANSAS FARMER COMPANY,
Topeka, Kansas.

I accept your trial offer to new subscribers to send me the Kansas Farmer three months free. At the end of the three months I will either send \$1.00 for a full year from that date or write you to stop the paper, and you are to make no charge for the three months' trial.

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THERE'S NO COMPANION LIKE A STEVENS

No boy was ever lonely with a "Stevens" in his hands.

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We issue a catalogue of 140 pages, telling all about the "Stevens" shotguns, rifles and pistols; all about cartridges, targets, sights, weights of rifles, sighting them, etc. It also tells how to pick out a rifle or a gun, and how to take care of them. Send two a-c. stamps and we will mail it to you free. If your dealer can't supply you with a "Stevens," write direct to us.

J. STEVENS ARMS & TOOL CO.
125 High Street
Chicopee Falls, Mass.
U. S. A.

these jacks, some with splendid jack colts by side. Everything goes without a reserve bid, rain or shine. The very best of reference is given, and you will get a square deal. Write at once to W. D. Gott, Xenia, Kans., for catalogue, mentioning the KANSAS FARMER.

E. D. King, of Burlington, Kans., now has what is considered the largest Berkshire breeding establishment in the world. It is estimated that he will have about 1,200 pigs on his farm from the farrow of 1906. His herd boar is the best son of the great Lord Lee who in turn was the best son of the grand champion, Lord Premier 50001. His sows are of the finest breeding and are good individuals. They are beginning to farrow now and the litters are very large and fine. Mr. King makes a change in his advertising card this week to which we direct special attention. When you want Berkshires get good ones. When you want good Berkshires go where they are and take your pick of hundreds.

F. M. Gifford, the well-known Short-horn breeder at Wakefield, Kans., will hold a sale of Shorthorns in the stock pavilion of the Kansas Agricultural College at Manhattan, on April 25. His offering will include 20 bulls and 20 heifers. These heifers are bred to his great herd bulls, Senator Bruce and Cordell Knight. Mr. Gifford needs no introduction to the public. He is one of the oldest and best-known breeders in the West and his sales which have been held in the past at Denver, Col., Chicago, Ill., and Manhattan, Kans., have attracted the well-known breeders of the country. His catalogue will be out in a few days and a postal card will bring it to you. Write him at once.

In this issue of the KANSAS FARMER appears an illustration of one of the prize-winning mares owned by F. H. Schrepel, Ellinwood, Kans., who reports as follows: "I have had a good fall trade, and prospects for 1906 are opening up in good shape. Inquiries were never better than at present. The farmer never had such great demand and such high prices for the high-class draft horse as at the present time, and every farmer in the State of Kansas should put forth an effort to get a few good brood mares and raise some of these high-priced horses, and he will find it more profitable than any other stock. And every farmer can raise good draft horses if he has good draft mares and breeds to a good pure-bred draft stallion. I have on hand fifty head of registered stallions, mares and colts, which are ready for sale at reasonable prices."

Gudgell & Simpson, of Independence, Mo., write: "With regard to our offering in the combination sale at Kansas City, Mo., February 28 and March 1, will say that they are a representative lot of young things from our herd. The bulls are an extra choice lot, any of them fit for a herd-header. Lot 81, Prime Rex 229750, sired by our great show and breeding bull, Dandy Rex 71689, is in every way worthy of his sire. His dam, it will be observed, is a Beau Brummel cow. From this Lamp-lighter-Beau Brummel cross we have produced best results in our present breeding operations. Lot 82, Monarchist 229749, is a son of Beau Dandy, a sire we are using with specially marked success as a getter of good bulls. His dam, Miss Catherine 76703, by Imp. Chesterfield 56697, is one of our best breeding cows and one that has several show animals to her credit. Monarchist is unusually blocky, low to the ground, a great flesh-carrier and extra smooth. Lot 83, Goblin 229748, is a dark-colored, thick-coated fellow, with ideal head and typical, Anxiety-4th conformation. His sire is one of the best breeding sons of Beau Brummel we have in the herd. The dam, Gwendoline 7th 61561, is from one of our best families. Goblin 229748 is good enough to head anybody's herd. The females in the offering are all young, with their entire period of usefulness before them. Two of them, Lots 79 and 80, are daughters of Dandy Rex 71689, and will be offered in calf to Beau Donovan 3d 186831, a good son of Beau Brummel. The other heifers will be held unbred. This sale will undoubtedly furnish an opportunity to secure these good heifers at a figure below their actual worth, from the fact that they will be presented in only fair breeding condition, not having been specially fitted for this sale, yet we will warrant them to be all good individuals, and if carrying more flesh, would, without doubt, bring more money."

The offer of sows to be made by J. R. Young, of Richards, Mo., for his On and On sale on March 7, 1906, is one of the greatest ever gotten together from the standpoint of individual merit as well as breeding. There will be included about 15 head sired by Chief Perfection 2d. Among them is Orange Blossom, one of the 1,645 litter in which were the \$850 pig, Masticator; Hulda's Dream out of the \$535 Hulda's Keep On; Amella Perfection out of Queen View Queen, a \$450 sow; Chiefless another of like breeding and merit. The great sow sire, Perfection E. L., is represented by ten in the sale. Lucile, a daughter of the grand champion, Lucile, of the World's Fair; Fancy E. L. and E. L. Fancy, out of I Am by G's Perfection; Martha E. L. out of a daughter of Margaret, the Iowa State Fair champion. Then there are others such as Lady Foster by Foster's Chief Perfection; Missouri Lady, and three other daughters of Missouri Black Perfection. Two more of the good, mellow Perfection E. L. litter are out of the great Flossie Favorite. This litter was a large one and contained 11 pigs all great ones, namely Tony and a sister of his by Chief Sunshine 2d and two of his half-sisters by old Chief Sunshine; Thicket Girl by Thicket; Hunter's Lady Louise, a full sister to Ed Kleaver's great boar. Provider, that won first prize at the Ohio State Fair last year. Throughout the entire list will be found the same great breeding, size, style and finish that will please the most exacting. The size of the spring gilts of this offering would surprise those who

are breeding the present popular type, because of their wonderful quality and growthiness. Every breeder of the Poland-China will want the catalogue of this sale, and ought to arrange to attend whether he desires to purchase or not. To see On and On is alone worth the trip to Richards, Mo. It is rare that sweepstakes boar will show the true form and mellowness exhibited by On and On 18 months after his honors were won. His great size, good bone, style and finish with his wonderful smoothness can not fail to please. All who have seen his get recognize the type and easy feeding-qualities. A breeder contemplating a sale in the near future could not make it more attractive than by securing an On and On litter. This sale will afford an opportunity to get ready for your sale. If you can not be present at the sale on March 7, send your bid to one of the auctioneers, or to John D. Snyder, KANSAS FARMER representative, and he will handle it to your interest.

The Johnson County Jack Farm, owned by G. A. Fewel, Leeton, Mo., advertised on page 173, is one of the largest pack farms now in existence. It was established in 1850 as a mule farm, and in 1890 was added the choicest lot of breeding stock of Black Mammoth and Caladonian jacks, and Wilkes, Mambrino, and Patchen trotting horses, etc. Mr. Fewel claims to have sold more first-class jacks and jennets in the last ten years than any other farm in the world. They have gone into almost every State in the Union and some have crossed the big waters. They have been shown at many of the leading county and State fairs, and they proved by their winnings to be as good as the best. This present offering is the best ever made, and includes several that were never defeated in a show-ring. Among them is "Fewel's Taxpayer," that defeated the World's Fair jack, Silver Tips, for the best jack any age. During all this time he has never had any litigation or friction over any of his dealings, and has had only one jack returned. He gives as reference the bank of Leeton or either bank of Windsor or Calhoun, or any man or firm in Johnson or Henry Counties, Missouri. Prospective buyers can feel assured that they will find what they want and get it at a bargain, and always be treated right and square at the Johnson County Jack Farm. If they will write him or wire G. A. Fewel when they arrive in Leeton, he will be glad to meet them at the depot, and save them further expense.

The section of the Herefords, selling in the combination sale at Kansas City, Mo., February 28 and March 1, that will attract as much attention as any other, will be the one consigned by Steele Bros., of Richland, Kans. This consignment will include 10 head, 6 cows and heifers and 4 bulls, principally the get of Princeps 66683, the sire of the \$1,750 Princeps 4th, the \$550 Princeps 12th, and most of the other show cattle that have gone out from Belfair for the past few years. The bulls in this offering are all mellow, sappy, thick-meated fellows, the kind the "talent" call "good handlers." One of these, No. 68 in the catalogue, was in the show herd last year, showing as a junior calf. At the Nebraska State Fair he was first in class, and at Topeka, showing against seniors, he was awarded second place. He was got by a son of Princeps, and out of Rosalind, a line-bred Anxiety 4th cow. Every one of these bulls is a prospective herd-header, and will bear the closest inspection. The star attractions of this consignment, however, are the cows. Principal among these is the matronly looking show cow, Princess May 2d by Princeps. She was first prize and sweepstakes cow at Nebraska State Fair last year. This cow is not only matronly looking, but is a proven producer. She is 4 years old, has dropped two calves, and is safely settled to the service of Beau Gondolus. This is probably as valuable a cow as any that have gone through the sale ring at Kansas City. Her first calf, a heifer, one of last year's show herd, winner of first prize in junior yearling heifer class at Lincoln, is included in this sale. She is a beautiful, thick-fleshed, broody looking heifer, and will be one of the eagerly sought attractions of the sale. Princess May 2d's last calf is a bull, and is one of the best of this year's crop. This crop will doubtless have many admirers at the ring side, and the man who buys her will be conscious of the fact that he is adding to his herd one of the gems of the breed. Steele Bros.' herd is not large—about 125 all told—but it is one of the very best in this country, and their stock is developed in such a manner as to retain their usefulness to an advanced age; the bulls siring and the cows producing calves regularly up to 12 and 14 years of age. There will be 100 head of useful cattle sold in these sales. The event is under the management of C. R. Thomas, secretary of the American Hereford Cattle-Breeders' Association, and catalogues may be had by addressing him at Kansas City, Mo.

L. M. Monsees & Sons, Smithton, Mo., will hold their annual jack and jennet sale at Limestone Valley Farm, 6 miles east of Sedalia and 2 miles north of Smithton, Mo., on March 6, 1906. To those who have seen the stock on this farm or have read an account of the World's Fair record of the firm, or even read the reports of the former sales of the firm, no introduction or explanation of the quality and desirability of this offering is necessary. But to the contemplating purchaser of jack and jennet stock, we wish to say that a like offering has never been placed at public appraisal before unless it was one of the former offerings from this farm. They are of the same breeding and merit as the herd shown at the St. Louis World's Fair that won 70 of the best prizes and many more than all other exhibitors combined; and they have been reared and developed in the best possible way to be useful animals and are backed by the firm's guarantee which is as good as a Government bond, which considerations make it the opportunity of the year to secure such stock. In all, about 60 head will be sold. Twenty-seven jacks ready for



STANDARD STOCK FOOD

It Makes Stock Thrive.

Because it flavors the entire ration, stimulates the flow of digestive juices, makes digestion easier and more thorough. It makes the feed you feed go farther.

A pound of it contains more feeds than a pound of any other. It is stronger, purer, contains more valuable ingredients; it looks better, smells better, tastes better and is better. It lasts longer, goes farther and does more good. Compare it with others and see for yourself.

Never Had Cattle Do Better.

Orient, Ia., April 9, 1902.
Three years ago I bought and fed 500 pounds of Standard Food. I then tried 500 pounds of each of other stock foods and have gone back to the Standard again and intend to stay there. I would rather get the Standard and pay for it than feed the other foods at any price.
W. E. PENCE.

Ask Your Dealer. If he will not supply you, send us his name, tell us how much stock you keep and we will send you free our 50c live stock book, 160 pages. Write to-day. Address

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THEY STOP THE WIND AND LESSEN THE WEAR. LATEST, STRONGEST, BEST FACTORY BEATRICE, NEB.

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The "QUEEN" is not an incubator but the Incubator.

THE HIGHEST GRADE INCUBATOR EVER OFFERED TO THE PUBLIC

The advent of these superior machines marks the departure of the hen-set chicks. If you want the best money will buy, get the QUEEN. Write today for free catalogue.

PINKERTON MANUFACTURING CO.
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Great American Desert Seeds

are best for general use, are grown in the very heart of the region once known as the Great American Desert, at an altitude of over two thousand feet above sea level and without irrigation. They are time tried and drouth tested and have proved producers of profitable crops of both grain and forage. Write for list of specialties and prices.

M. G. Blackman, Grower and Dealer, Hoxie, Kans.

use are catalogued and a better lot was never seen by the writer. They are the kind that sire the \$200 mules that buyers are hunting the country over for. A bunch of mules on feed at Limestone Valley Farm, sired by the jacks on the farm, are expected to sell at \$225 per head, \$210 having already been bid for them in only fair flesh. Besides the jacks catalogued there are about 25 jennets, some with colts at side and others bred to the grand champion World's Fair jack, Orphan Boy, or to Limestone Mammoth, two of the greatest breeding jacks, one being the greatest show jack in the history of the business. He has been successfully shown for ten years and was never defeated, and the World's Fair herd nearly all carried his blood either through dam or sire. Those jennets are the dams and sisters in great part to the great jacks the farm has been producing, and are of the style and breeding of the World's Fair winners. The catalogue is illustrated with photographs of several of the individual animals and some groups that are samples of the great offering. If you are at all interested in the jack and jennet business be sure to get the catalogue and be on hand at 10 a. m. March 6, 1906, when the entire lot catalogued will be sold at your price, the

one day of the year this privilege is granted the public by this, the greatest jack breeding firm in the United States, or possibly more correctly speaking, in the world.

Hunter—Trader—Trapper.

To the lover of out-door life the Hunter-Trader-Trapper magazine will bring a deal of satisfaction. It is a large, finely illustrated magazine devoted to those things which are of special interest to the hunter and trapper and the fur trade. It teaches all the tricks of trapping and many a young man has been able to find enjoyment and, at the same time, make good money by trapping skunks, muskrats, mink, etc., in localities where they were previously supposed not to exist, or at least, to be very scarce. The magazine gives the prices of all kinds of furs and pelts and tells how to catch them. It is full of interest and valuable receipts for making scents, setting traps, etc. This magazine costs \$1.00 per year, but we have made arrangements so that any one can get the Hunter-Trader-Trapper and the KANSAS FARMER, each for one year for only \$1.50 for both. Send in your orders at once. You will like it.

The Grange

"For the good of our Order,
our Country and Mankind."

Conducted by George Black, Olathe, Secretary
Kansas State Grange, to whom all correspondence
for this department should be addressed.
News from Kansas Granges is especially solicited.

NATIONAL GRANGE.

Master..... Aaron Jones, South Bend, Ind.
Lecturer..... N. J. Bachelder, Concord, N. H.
Secretary..... C. M. Freeman, Tippecanoe City, Ohio

KANSAS STATE GRANGE.

Master..... E. W. Westgate, Manhattan
Overseer..... A. P. Reardon, McLouth
Lecturer..... Ole Hibner, Olathe
Steward..... R. C. Post, Spring Hill
Assistant Steward..... Frank Wiswell Ochiltree
Chaplain..... Mrs. M. J. Ramage, Arkansas City
Treasurer..... Wm. Henry, Olathe
Secretary..... George Black, Olathe
Gatekeeper..... G. F. Kyner, Newton
Ceres..... Mrs. M. L. Allison, Lyndon
Comona..... Mrs. S. M. Phinney, McLouth
Flora..... Mrs. S. J. Lovett, Larned
L. A. S..... Mrs. Lola Radcliffe, Overbrook

EXECUTIVE COMMITTEE.

Henry Rhoades, Chairman..... Gardner
E. W. Westgate..... Manhattan
George Black, Secretary..... Olathe
J. T. Lincoln..... Madison
O. F. Whitney..... Topeka, Station A

STATE ORGANIZER.

W. B. Obryhim..... Overbrook

Insurance.

At the recent meeting of the Kansas State Grange, held at Madison, Kansas the matter of life insurance was taken up and referred to a special committee, whose duty it is to prepare a detailed system, and submit the same to the subordinate granges for consideration and report each to the lecturer of the State Grange as soon as possible. We also note that at the Delaware State Grange a committee was appointed to plan the organization of an American life insurance company, to be managed solely by the grangers and report at the next session. We also note that in New Hampshire the Grange Mutual Fire Insurance Company still continues to give to the patron's a safe insurance at the lowest possible cost. The company carries risks to the amount of \$7,000,000 on the best farm property and has saved to the members many thousands of dollars during its seventeen years of existence. We also note from the same source that the Grange Life Insurance Association does not seem to receive that encouragement and patronage which it deserves if it proves successful. The old members for the most part are staying with the company and paying the assessments promptly, but more of those who desire life insurance of a safe and honest kind should join the association.

The Grange Bulletin says, "When the proposition to start Grange Fire Insurance Companies was made, the question was, 'Can it be done?' Many said 'No.' Many others were doubtful, a few said, 'Yes.' The regular fire insurance company managers smiled in derision. The few believers went ahead and tried it. The result is a success. The grange insurance on farm property is the best in the country, cheap, safe, reliable, and satisfactory. Now, why can not farmers insure each other's lives? The same direct business methods that make fire insurance the best and cheapest known, would operate to make life insurance just as good and relatively as cheap." The National Grange recommends that the State Granges work out each its own system of life insurance. Some of the State Granges have appointed committees for that purpose, and Kansas is one of them.

"Grange the Hope of the Nation."

"One of the hopeful things for the future of the Nation is the great organization which the farmers of the country are centralizing around the Grange. Within recent years there has been a marvelous growth that has extended to nearly every State and territory in the country, so that when it recently held its National Convention the attention of the whole country was attracted to its actions. It has taken hold of all of the vital questions before the country, and the discussion and action that will be brought to bear upon them are going to exert a mighty influence."—Amesbury (Mass.) News."

At the Massachusetts State Grange, Ex-Governor Bachelder said his policy as "Master of the National Grange will be determined wholly by the policy of the Grange, but that he expects to put forth the greater part of his efforts in the great agricultural States of the Central West, with particular attention to Wisconsin, Minnesota, Iowa, Missouri and Kentucky.

"In these States, Governor Bachelder said, the Grange movement has been slow to grow and the intention is to make it powerful where the farmers

form so large a percentage of the population as they do in the States named. In this connection he pointed out that the Grange is stronger in New England than anywhere else. There are 1,000 subordinate Granges in this group of States, with about 100,000 members."

The Grange stands to-day as the acknowledged leader of the sane, thinking farmers of the country, and each succeeding year more and more demonstrates its right to leadership. The farmers of Kansas have almost recognized the necessity of farmer organizations, but have been very much divided as to choice. But since the Grange is the only one that has stood the test of time, the farmers of Kansas are beginning to realize that the Grange is the leader, which is known by the many letters of inquiry as to the ways and means for becoming members of the great farmers' organization.

What Benefit Is the Grange to the Farmer?

Geo. Black, Secretary of Kansas State Grange, Before the Farmers' Institute at Wellsville, Feb. 9, 1906.

Nothing has stimulated inquiry, nor done more for the education of the human race, than those two little words "what" and "why."

All down the ages, from the time that King David asked the question "What is man that Thou art mindful of him?" until this hour when humanity is everywhere asking, "What are the rights of man?" the words "what" and "why" have awakened every latent energy in statesman and philosopher, in prelate and layman, in all classes and all people; for man loves to be able to give a reason for the faith that is in him and feels that he is untrue to himself and unworthy of the confidence of his fellow man, if he is unable to do this.

The logic of a Gamaliel never has stifled human reason nor checked human inquiry. It may have saved the life of the Apostle Peter, for Peter was preaching a new doctrine and declared that it was heaven-born and heaven-sent; and Gamaliel decided that it was not a matter of human reason and therefore cried out, "Let them alone, for if this work be of man it will come to naught, but if it be of God ye can not overturn it." Yet you would feel that I was evading the question if I should reply to your inquiry as did Gamaliel to the Jewish rabble.

IT WAS NEEDED.

The Grange is but another offspring of the many good institutions that have been born to us through the throes of civil liberty, for it had to bide its time and wait until the world was ready to receive it. It could not have lived a moment in the Roman or Grecian age, nor under any of the absolute monarchies of the old world; nor would the age of Knight-errantry or Feudalism have tolerated a secret order among the peasantry of their time. The submissive, cringing, enslaved tiller of the soil, never once during all those ages even dreamed of a right to organize for mutual improvement. The pioneers of human rights must first fight to the bitter end that long battle of the centuries, and pave the way for freedom of thought and liberty of speech. They paid the price in the dungeon and on the rack and at the stake; and the magnitude of their sufferings and their heroism fairly staggers the historian until he feels more like kneeling at their shrine than writing of their deeds. But God bless their saintly souls; we are reaping where they have sowed and are garnering a full harvest.

So I again declare that the Grange was born in due season, was born of the essential wants and needs of the farmer; and the fundamental principles upon which it was based will not only bless the agricultural class but in blessing them it will also bless all social conditions within reach of its sphere of influence.

Its founders said: "We need an order wherein we can educate ourselves along every line of social, moral, mental, and even physical development. We need an order where the practical knowledge of each member may become the common property of all. We need an order where we can cultivate our social qualities and bring them up to the highest possible standard. We need an order where we can reason together on the best possible modes of cultivating the soil and crops, of harvesting them, and of buying and selling; where we can teach temperance and insist upon economy and practice brotherly love; where we can cooperate to protect ourselves against the greed of capital and the power of corporations; and where we can decide



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Two pair of Mayer School Shoes are equal in wearing quality to three pair of the usual kind. You save one-third. They are the strongest school shoes made and

Wear Like Iron.

Any reliable shoe dealer will supply you. If not, write to us. Look for the Mayer trade-mark on the sole.

We make "Honorbilt" shoes for men and "Western Lady" and "Martha Washington Comfort" shoes for women.

F. Mayer Boot & Shoe Co.
Milwaukee, Wis.



Let Me Quote You a Price on a First-Class Fanning Mill

How many dollars could you save if you owned a genuine Chatham Fanning Mill? Think for a moment what it will do. It will grade grain so you can get a fancy price for the best. It will take weed seed, chaff and withered kernels out of seed grain. It will separate one kind of grain from another. It will remove oats from wheat.

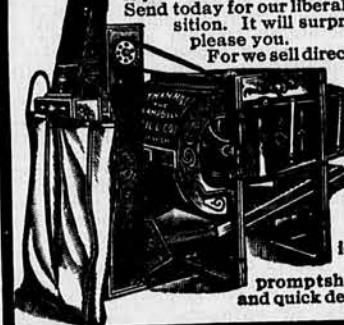
It will clean Corn, Rye, Barley, Wheat, Oats, Timothy, Clover, Millet, Flax, Rice, Peas, Beans, Kaffir Corn, Potatoes, Broom Corn, Alfalfa, Grass Seed, Cotton Seed, Alsike, Blue Grass, Red Top, Buckwheat, Hungarian Orchard Grass, Rape, Rye Grass and everything of this kind. And in any one of these processes a Chatham Fanning Mill will save its entire cost in short order.

For the fanning makes every bushel of grain you raise worth more money. You don't sow weeds if you use a Chatham Fanning Mill.

You don't get "second price" for grain if it has been fanned.

And to prove our claims to you—to convince you that Chatham Fanning Mills are the best made and will do what we say—we are willing to let you try one 30 days FREE, if you wish.

Send today for our liberal proposition. It will surprise and please you. For we sell direct to you and ship from one of our 20 big branch warehouses in leading cities. This means prompt shipments and quick deliveries.



And you get a Fanning Mill made by a factory that makes a specialty of high-grade mills.

You buy at a bargain price. For we make our own mills in one of the biggest factories in the world.

Our ample capital enables us to buy supplies in immense quantities at low prices.

We turn out hundreds of Fanning Mills.

Our workmen are skilled. They have had long experience. They know just what to use and how to use it.

Consequently we are able to give you bigger value for your money than you can get anywhere else.

The Chatham

Name Stands for Quality.

And you can get no such Fanning Mills as ours from ordinary mail order or catalog houses.

You cannot buy mills as good from dealers or at general stores.

Over 200,000 Chatham Mills are in use. We have made them for sixty years. Today they are better than ever—absolutely modern and up-to-date.

Users everywhere will tell you our mills are the best.

But send at once for the rest of the story and our liberal selling terms.

Ask for our little book "How to Make Dollars Out of Wind." It tells how a Chatham Fanning Mill will put dollars in your pocket.

A post-card with your name and address, mailed today, gets it.

The Manson Campbell Co. (Limited)

Makers of Chatham Fanning Mills, Incubators and Brooders
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\$7.82 buys this, the Highest Grade Steel Stubble Plow Made. \$1.69 and upwards for other High Grade Walking Plows. \$24.50 buys the Best High Lift, Foot Lift and Trip Sulky Plow Made. \$39.50 buys the Best High Lift, Foot Lift and Trip Gang Plow Made. 12, 14 and 16-inch Sulky and Gang Plows at \$24.50 to \$39.50, that combine every high grade feature known. Guaranteed the strongest, most durable, lightest draft and best working plows made. WE MAKE A WONDERFUL LIBERAL FREE OFFER ON THESE PLOWS. \$29.35 buys the best Disc Riding Plow made. You will wonder at our FREE OFFER.

Send today for our liberal proposition. It will surprise and please you. For we sell direct to you and ship from one of our 20 big branch warehouses in leading cities. This means prompt shipments and quick deliveries.

OUR OFFER. Cut this advertisement out and send to us, or on a postal card or in a letter to us say: "Send me your Free Plow Offers," and you will receive free, by return mail, postpaid, all our wonderful offers, our free trial proposition, pay after received plan, guarantees; you will get our very latest and most wonderful offer; we will send you our latest new 1906 Agricultural Implement Catalogue, with pictures, full descriptions, astonishingly low prices and wonderful offers on every kind of high grade plows; also pictures, descriptions, prices and all our wonderful offers on everything in Harrows, Disc Harrows, Planters, Cultivators, Seeders, Haying Tools, Grinding Mills, Corn Shellers, Horse Powers, Saw Frames, Cider Mills, Bee Hives, Stump Pullers, Wind Mills, Gasoline Engines, Steam Engines and Boilers, Incubators, Brooders, Hay Presses; everything for farmers. BEST GOODS MADE. ONE-HALF THE PRICE CHARGED BY OTHERS. WONDERFUL FREE OFFERS. WRITE US AND GET OUR GREAT BOOK AND WONDERFUL OFFERS FREE.

TOP BUGGY ABSOLUTELY FREE. If you buy plows or other goods from us, we will send you a handsome top buggy FREE. This great, FREE BUGGY OFFER will go to you and be fully explained if you will cut this advertisement out and send to us, or on a postal card or in a letter to us say: "Send me your FREE PLOW OFFERS." WRITE TODAY, SURE. ADDRESS,

SEARS, ROEBUCK & CO., Chicago, Ill.

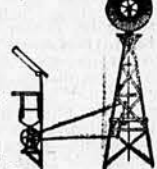
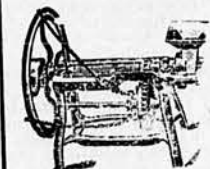
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Then your Pumping Windmill will do your Feed Grinding and run One-Hole Sheller and Churn or Grindstone. We don't give it away, but we ship it to any reliable farmer to use, and after the grinder pays for itself, then you pay us. If it don't work you ship it back without paying anything. You Take No Risk.

Especially recommended for use with 8-ft. Back Geared Star, Goodhue, Samson, Ideal, Fairbanks, Dandy, Dempster, Duplex, Red Cross, Capital and 10-ft. Halladay wood mills. Any good windmill that makes 35 to 50 strokes per minute is sure to run it good. It pays for itself by the time you are to pay us and really costs you nothing. You have **Thirty Days' Trial** to decide if you wish to keep it. You fill up the hopper over grinder and let it grind, without further attention, night or day. You can put the Rotary Grinder in barn or other building as desired, within 150 feet of windmill.

WRITE TO-DAY for our FREE OFFER and testimonials and photo views of outfits now in use.

Goodhue Rotary Grinder Company,
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upon the laws that are just to us and the laws that discriminate against our interests." It was also thought best, that as far as was possible, to serve our best interest, we buy and sell together and cooperate for our mutual good.

These were the reasons given to show the needs of an organization, and these are the fundamental principles and declared purposes upon which the order, known as the Patrons of Husbandry, rests to-day. And it would be hard to make me believe that a single soul in all this universe, who is honest of heart and clear of head, who would find fault with a single item of these principles or with us for organizing upon them.

It is true we have made mistakes, for back in the seventies our young and untrained order ran away with us and broke over the traces and attempted to plunge into the political arena and reform the laws, until they well-nigh wrecked our entire order in this State. But a remnant of the true and faithful held fast to our first principles; and when the storm was over they commenced rebuilding on the old and tried foundation; and now, for a quarter of a century, we have held to the "even tenor of our way," have faithfully clung to the precepts of our order, have kept all partisan politics out of the Grange and have enjoyed a wonderful growth in members and lodges all over our State.

We have tried to be careful not to infringe upon the rights of either individuals or corporations. We have advanced our own interests without detriment to any other person or party; we have increased our own happiness without deducting one iota from the rightful enjoyment of any other living being.

IT IS AN EDUCATOR.

We at least feel sure that the education we have received in our assembly halls has made us better citizens, with broader views and nobler purposes in life; we believe that the discussions of farm questions in our meetings have greatly improved our farming methods in the selecting of tools and machinery, in preparing the soil and planting our crops and in harvesting and marketing them, and in beautifying our homes and making them more attractive. We believe that through the influence of our order we love our homes and our calling more than ever before and that our boys are better satisfied and more willing to stay on the farm.

COOPERATION.

We know that while cooperative business ventures are not among the fundamental principles of the Grange, yet, as an incidental matter to our order, we have made extensive use of such in Kansas in insurance and in cooperative merchandising, and this fact has brought us in conflict, in a business way, with those who follow like callings, and possibly engendered some prejudices and dislikes, just to the extent that we have absorbed trade and commissions that otherwise they would have enjoyed. But should we be blamed for this? Have we not the same right as any other person, class, or people to enter into any legitimate business? And, if the Johnson County Cooperative Association pays back every year to their eight or nine hundred stockholders \$12,000 to \$15,000 in profits that otherwise would have enriched three or four merchants, is it not doing the greatest good to the greatest number, and should you not rather commend us than to condemn us for this? And if our Grange Insurance Company, that is now carrying \$4,000,000 in farm risks, and is caring for the best interests of its patrons at less than half of what it would cost them in old-line companies, and is paying every loss fairly and promptly and keeping this excess of profit at home, in the pockets of our people, to spend it with our own merchants and upon the industries of our own community, rather than to let it go to enrich the East—are we not doing a good deed, or would you condemn us for this? If we are wrong, put your finger on the error and help us get right, but if we are right, encourage and commend us for we want to be right and we want to do good.

ITS AIMS.

The one great aim of our order today is, that through the forum of the Grange, we may become as cultured and as well-informed on all the interesting topics of the hour, and that our judgment and opinions may deserve as much consideration and weight as any other class or calling, so that the merchant, the tradesman, and the professional classes, will commingle and harmonize with us on a common, fraternal,

Soda Crackers

and—

anything you choose—milk for instance or alone.

At every meal or for a munch between meals, when you feel the need of an appetizing bite to fill up a vacant corner, in the morning when you wake hungry, or at night just before going to bed. Soda crackers are so light and easily digested that they make a perfect food at times when you could not think of eating anything else.


But as in all other things, there is a difference in soda crackers, the superlative being

Uneda Biscuit

a soda cracker so scientifically baked that all the nutritive qualities of the wheat are retained and developed—a soda cracker in which all the original goodness is preserved for you.

NATIONAL BISCUIT COMPANY

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I Am the Paint Man

2 Full Gallons Free to Try—6 Months Time to Pay

You Pay No Freight to Try My Paint.

I AM the paint man. I have a new way of manufacturing and selling paints. It's unique—it's better. Before my plan was invented paint was sold in two ways—either ready-mixed or the ingredients were bought and mixed by the painter. Ready-mixed paint settles on the shelves, forming a sediment at the bottom of the can. The mineral in ready-mixed paint, when standing in oil, eats the life out of the oil. The oil is the very life of all paints. Paint made by the painter cannot be properly made on account of lack of the heavy mixing machine. My paint is unlike any other paint in the world. It is ready to use, but not ready-mixed. My paint is made to order after each order is received, packed in hermetically sealed cans with the very day it is made stamped on each can by my factory inspector. I ship my pigment—which is white lead, zinc, drier and coloring matter freshly ground, after order is received—in separate cans, and in another can I ship my Olo, which is pure old process linseed oil, the kind that you used to buy years ago before the paint manufacturers, to cheapen the cost of paint, worked in adulterations. I sell my paint direct from my factory to user at my very low factory price; you pay no dealer or middleman profits. I pay the freight on six gallons or over. My paint is so good that I make this wonderfully fair test offer: When you receive your shipment of paint, you can use two full gallons—that will cover 600 square feet of wall—two coats. If, after you have used that much of my paint, you are not perfectly satisfied with it in every detail, you can return the remainder of your order and the two gallons will not cost you one penny. No other paint manufacturer ever made such a liberal offer. It is because I manufacture the finest paint, put up in the best way, that I can make this offer. I go even further. I sell all of my paint on six months' time, if desired. This gives you an opportunity to paint your buildings when they need it, and pay for the paint at your convenience.

NOTE—My 8 Year Guarantee backed by \$50,000 Bond

Back of my paint stands my Eight Year, officially signed Iron-clad Guarantee.

8 YEARS GUARANTEE

This is the longest and most liberal guarantee ever put on a paint. For further particulars regarding my plan of selling, and complete color card of all colors, send a postal to O. K. Chase, St. Louis, Mo. I will send my paint book—the most complete book of its kind ever published—absolutely free. Also my instruction book entitled "This Little Book Tells How to Paint" and copy of my 8 year guarantee.

O.K. Chase The Paint Man.
703 K Olive Street,
St. Louis, Mo.

social plane, that the middle wall of partition in human society, may be rent asunder and broken down forever. We long for the day when we can feel assured that we are making a far brighter history than that which inspired the poem of "The man with the hoe," or moved the pen to write the story of the "Peasant life of past ages."

We are not the sons of Ham. And if we were the mudsills of society for untold centuries, the fault was not in us, but rather in that accursed element of the human race that has ever played the part of the shark to the fish of the sea and of the vulture to the fowls of the air.

We are dreaming of an age of better things for us and trying to work out our own salvation and to redeem agriculture from the slurs and slime of past ages and bring the farm and the farmer back, nearer to that first and beautiful pattern that was given to us by the Holy One in Eden's ancient garden.

Will you help us? Will you lend us a hand? We have chosen the Grange as our shield and our battle-axe to

carve our way onward and upward to that higher plane, and we have taken the name of "Brother" and "Sister" that we might sustain equality and inspire a common interest in this effort to improve our condition. We are determined that agriculture shall never take another backward step, but shall go forward, until the man who holds the plow and the man who guides the State will stand together as brothers, equally worthy of the love and esteem of all the good people of the twentieth century.

Send for Free Sample.

Our readers should not fail to include Congo Roofing in their list when they are sending out inquiries regarding ready roofings.

This roofing comes in four weights adapted for every kind of surface and for every size of pocketbook.

The manufacturers will send a booklet giving complete information about the roofing, together with a set of samples, in response to a postal card.

Address the Buchanan-Foster Company, 724 Drexel Building, Philadelphia, Pa.

All kinds of stock relish a change and variety of feed.

THIS SILO

\$9240



Every stock and dairy farmer needs a Silo. Our Silos are made by expert silo builders, with extraordinary care, from best of materials, and will keep silage in good shape for feeding—in fact, there is no better silo made at any price. Made in sizes to suit. We save the farmer two profits and give him best silo built.

We also have a plan to sell this silo, and all kinds of merchandise, to the farmer at 10 per cent less than list prices—and save him from \$150 to \$200 a year. Write for full particulars about it.

Write for special Silo catalog. Don't buy until you get it. **CO-OPERATIVE SOCIETY OF THE NATIONAL SUPPLY CO., LANSING, MICHIGAN; CHICAGO, ILL.**

PATENTS.
J. A. ROSEN, PATENT ATTORNEY
418 Kansas Avenue, • Topeka, Kansas.

Home Departments

CONDUCTED BY RUTH COWGILL.

Farewell to the Town.

Farewell, ye busy haunts of men,
Ye garish sights of town,
Your motley crowds and grimy streets
A weariness have grown;
To other scenes my fancy strays,
O haste, impatient feet,
And let me see the summer flowers
That bloom in meadows sweet.

Those storied heights of brick and stone,
Which gaze with solemn stare
Upon each other day and night
Across the thoroughfare
Repel me with their frowning face;
I long to stroll at ease,
Through country lanes with hedgerows bound
And avenues with trees.

The busy hum of whirling wheels—
The clatter of the forge—
Those rolling clouds of smoke and steam
Which city works disgorge,
Will never reach my quiet home
As through the shining hours
I listen to the humming bee
Among the clover flowers.

The music of the city's roar
We face for Mammon's sake;
But let me hear the singing birds
That warble in the brake—
The cuckoo's note from distant haunts,
The blackbird piping loud,
And o'er the waving mowing grass
The skylark in the cloud.

Then come away from Mammon Town,
There's wealth in other hives,
And sweep the cobwebs from your brain,
The canker from your lives;
The odors of the city streets
Are charged with mystery,
Come, let us smell the fragrant mold
Along the fallow-lea.

We toss the weary books aside,
And raise the aching neck,
From cash and ledger's figured page,
To clutch the friendly check;
Good-by, proud city, thou hast proved
No friend to me or mine;
And if I see thy face no more,
My heart will not repine.

—J. T. B.

Educated Motherhood.

FLORENCE SHAW KELLOGG.

PART I.

"His father, so they say,
Was famous in his day;
What did his mother do?
His father helped to stump the State
For Grant in eighteen sixty-eight—
What did his mother do?
She merely watched him day and night,
She merely kept him headed right,
And went on praying that he might
Some day be brave and good and great—
That's all his mother did.

"His father, it is said,
Possessed a level head;
What did his mother have?
His father was no common clod,
Intended but to tote a hod,
What was his mother, though?
Oh, she was merely one who taught
Her son that vices must be fought,
That sin is in each evil thought,
That virtue paves the way to God—
That's all his mother was."

PART II.

The subject of educated motherhood is so vital and deep, so many-sided, that no one can do it justice in a short paper, and I can, at best, but hint briefly of the many things that might be said here, and leave you to work out each your own salvation, as a mother, find your own riches and draw your own conclusions. The little poem I have quoted gives a bright, sarcastic contrast between the father's and the mother's work, as it sometimes is in theory, but as a fact we know that if the work be intelligently and rightly done, there can be no sharp line drawn between the father's and the mother's part. We know that though he must go out into the world while she remains more in "the sweet, safe corner of the household fire," though he fights while she prays, yet in deeper truth they stand side by side in the home life and the work they do there for their children, he, as well as she, working and praying to keep them "headed right" and to make them "brave and good and great," in true worth and morality whether or not they be great as the world reckons greatness.

But as it is the mother of whom you wish me to speak, we will presuppose all this, and though I say "mother," you will none of you be unmindful of the fact that in love for and interest in their children, the twain are one; and the necessity for educated fathers—for fathers who are earnest and pure, as well as strong and determined, for fathers whom the mothers hold up as examples for their children, and in whose footsteps they will gladly see them walking—this is just as imperative as for mothers, and they should work together in perfect love and harmony always.

THE MOTHER'S WORK IS ETERNAL.

Ruskin says, "Good women are wash-

erwomen, working to make the world clean and pure." The mother should indeed be a "washerwoman" of this kind, and should strive first of all to make her home clean and pure, her children brave, true, and loyal in body, mind, and soul, after which she may give her surplus time and strength, if such there be, to the purifying and up-building of the life about her. She, most of all, should feel the eternalness of her work, its unending duration and importance, for this will help her, as nothing else can, to keep her spirit above the petty cares and vexations that come in the ceaseless round of daily work with its constant repetitions, and will lift it out of the rut of drudgery and set it in its true place with the great work of the world. Let her realize that her life is a part of the great creative life, and her work extends to the eternal verities—a part of all that is good and true and beautiful—joined to the work of God and the holy angels, and how can she grow weary or disheartened?

HIGHER EDUCATION.

There is much said and written both for and against the higher education of woman; and fear is expressed lest, if this be granted, it will lessen the desire for marriage and motherhood. But is not this desire too deeply impressed upon the heart of woman to be thus easily disturbed. The love of home and children is a part of the deepest life of every true woman—placed there by God Himself, who is the first great Parent. From God, too, comes the reason—the intellect that enables her to acquire an education. Surely he has not given her this ability to have it lie unused—undeveloped. Does it not follow as a logical sequence that a mother can do her work better if her character be full, well-rounded, her mind trained and educated? How much of this special education for motherhood may come from books, is an open question, but it seems to me nothing that helps her as a woman—nothing that adds to the riches of her heart and mind, and makes her stronger and more influential, can hurt her, or lessen her good work as a mother. Dickens says, "How much may depend on the education of daughters and the conduct of mothers, how much of the brightest part of our National character may be perpetuated by their wisdom or frittered away by their folly? how much of it may have been lost already? and how much more is in danger of vanishing every day? are questions deserving of a little serious consideration from all young couples, nevertheless."

The mother should keep a broad view. She, least of all, can afford to be petty in her thoughts of life, but should have a largeness of soul, a clearness of vision that will enable her to keep things in their true proportion and place. She should know the relative importance of each phase of her work and not place undue stress on the outer or material, to the neglect or impoverishment of the more enduring matter. She should recognize the good and beautiful everywhere, and in all things, and bring to her work a loving consecration and tenderness that will make it a true success. She will never forget the man or woman that hides in the little child of to-day, and her work will be deep and progressive.

THE MOTHER LOVE.

"A partnership with God is motherhood. What strength, what purity, what self-control,
What love, what wisdom belongs to her
Who helps God fashion an immortal Soul."

She who feels this, as every devout and worthy mother must feel it, will know the need of the highest and fullest education to help her in her holy work. There is nothing that a woman can do that can compare with this work for beauty and sacredness; none that requires greater preparation or deeper training of heart, mind and hand. Text-books may do much for her, but, after all, the best of the mother's education comes not from books but is a something deeper and better than all this; a something God-given that begins with the little girl's love of her dollie and grows with her growth, strengthens with her strength, up to the time when with the consciousness of the new life beating within her own, God holds her apart and talks to her of love and renunciation, of self-denial and self-sacrifice that shall bring a most holy joy and fulfillment of desire.

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Because: The goods are wound on a hollow stick which constitutes a trade-mark and guarantees that you are getting a LOWELL INGRAIN.

Because: Styles and colorings are up to date, in plain shades and figured patterns; closely resembling high-grade carpeting.

Because: LOWELL INGRAINS are so woven that they can be used on both sides: a feature decidedly advantageous. No one doubts the wisdom of covering a room entirely in a rural home, making it warmer and easier taken care of.

Ask your local dealer for a LOWELL INGRAIN when looking for a new carpet. Look for the hollow stick and be satisfied with none other than a LOWELL INGRAIN.

Manufactured by BIGELOW CARPET CO., New York

While she waits for fulfillment she is in God's school and He is her teacher with love as the theme and the text. It is a holy, holy time that a woman wastes only with great loss to herself and her child. She walks with the Most High in His creative garden and gathers there rich stores of wisdom. She keeps the windows of her soul open on the sunward side and the light shines in clear and strong and vivifying.

Tested Recipes.

Chestnut Patties.—After the nuts have been cooked tender and mashed, add to 1 pint of nuts $\frac{1}{2}$ cup cream, two well-beaten eggs, a quarter cup of sugar, a cup and a half of milk and a salt spoonful of salt. Line patty shells with a good paste, fill with the nut mixture and bake quickly.

Cream of Chestnut Soup.—Take the shells off a pint of chestnuts and cover with boiling water. After five minutes rub off the brown skin. Cook until tender in boiling salted water to cover, then mash through a colander and return to the water in which they were cooked. Add 1 pint of hot milk or veal stock, a tablespoonful of butter and salt and pepper to season. Simmer ten minutes. Take from the fire and stir in a beaten egg and serve at once with croutons. A cup of cream is an addition, and more milk may be added if the puree seems too thick.

Chestnuts as a Vegetable.—After the nuts are peeled and blanched throw into a bowl of cold water. Put 4 tablespoonfuls of butter in a saucepan, with 2 tablespoonfuls of flour and cook until blended. Add 2 cups clear broth and stir until smooth. Salt and pepper to taste. Add the dried nuts, cover and simmer gently until the nuts are tender.

Chestnut Stuffing.—For a plain forcemeat, shell and blanch two quarts of nuts and boil in water to cover until tender. Drain and mash. Add to the nuts 3 tablespoonfuls of butter, a level teaspoonful of salt, a saltspoonful of pepper, a teaspoonful of minced onion, 2 tablespoonfuls breadcrumbs and the yolks of 2 eggs. Mix thoroughly and stuff. This makes enough for a turkey. If a richer forcemeat is desired, add to the above dressing 2 tablespoonfuls minced ham, veal or sausage, a tablespoonful of parsley and a little powdered thyme and grated lemon rind.

Deviled Chestnuts.—Shell and blanch as many chestnuts as are desired. Dry thoroughly. To every cupful of the meat allow a teaspoonful of olive oil. Pour in with the nuts and let them stand in the oil for half an hour. Place in a clean tin or frying pan, dredge with salt mixed with a little cayenne, and let the nuts brown in the oven about fifteen minutes. Stir and shake the pan often, until the nuts are a crisp, delicate brown.

Fried Peanuts for Luncheon.—Shell the nuts, brush off the brown skins, then toss in hot butter or olive oil until crisp and smoking hot.

Peanut Pick-Me-Up.—When you come in tired from a shopping trip, try a glass of milk, hot or cold, thickened with chopped peanuts.

Butternut and Apple Salad.—Cut small round slices from the tops of a half dozen nice, tart, red apples. Hollow them out, making the pieces scooped out as large as possible, but taking care not to spoil the shape of the apple. Cut the pieces into cubes and put into a bowl with an equal quantity of celery hearts of the same size pieces and butternut meats. Add a cup of mayonaisse, mix lightly then add a half cup of whipped cream, toss and fill the apples. Serve on individual plates with a couple of crispy lettuce leaves underneath the apple, or arrange in a low salad bowl.

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We are distributing free to all who write and inclose a stamp, a prescription for the cure of the liquor habit. It can be given secretly in coffee or food. Also a recipe for the cure of the tobacco habit, that can be given secretly. The only request we make is that you do not sell the recipe, but give free copies to your friends.
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AGENTS WANTED Sell \$1 bottle Sarsaparilla for 25¢; best seller; 50¢ per cent profit. Write today for terms. F. R. Greene, 115 Lake St., Chicago

The Young Folks

A Place for You.

There's a niche for you in the world,
my boy,
A corner for you to fill;
And it waits to-day,
Along life's way,
For the boy with a frank, "I will!"
So, lad, be true,
The world wants you
In the corner that you may fill.

There's a niche for you in the world,
my girl,
A corner for you to fill;
For a girl that is kind,
With a pure, sweet mind,
A place that is waiting still.
So, lass, be true,
The world wants you
In the corner that you may fill.

The world has places for you, dears,
Has corners for you to fill,
And a work to do
Which no one but you
In God's great plan can fill.
So, dears, be true,
The world wants you
And your places are waiting still.

—Temperance Banner.

Washburn College to Have a Million Dollar Endowment.

At the anniversary of the founding of Washburn College, at Topeka, President Plass announced that the first \$100,000 of the proposed \$1,000,000 endowment had been raised. This endow-

with the uplifting influences of the best education."

Attention does not need to be called to the fact that it is of immense advantage as a correction of theoretical acquisition to have at closest hand a great, active, civic and social laboratory to give the touch of reality to the book-learning. The capital city and its manifold public life preeminently furnish this.

But Washburn has not had to bank solely on its location to win its widening popularity. In the largeness of its spirit it has been as "catholic" as its life has been cosmopolitan. Built in the spirit that founded Harvard, Yale, Dartmouth, Amherst, Williams, Oberlin and so westward, it is, as they, essentially democratic. It is distinctively and aggressively Christian. On its faculties it has 22 Presbyterians, 11 Episcopalians, 10 Methodists, 6 Baptists, and so on, beside the Congregationalists. Broad-minded people are glad to patronize a school which is hospitable to all faiths, and which emphasizes the vital, essential things of a religious training.

There are ten buildings on the Washburn campus, and three more are in other parts of the city, one owned (the Kansas Medical College), and two leased (the Medical Dispensary, and the School of Law). All visitors, even the State Board of College Examiners, Chancellor Strong, President Nichols, President Wilkinson, and others have



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The quality of these standard dress-goods, unequalled sixty years ago, has steadily improved with the advance of modern ideas and methods. Beautiful patterns. Fast color. Serviceable at any season.

Ask your dealer for Simpson-Eddystone Silver Greys.

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The Eddystone Mfg Co (Sole Makers) Philadelphia



Aunt Kate to Katharine.

Chicago, February 14, 1906.

My Dear Katharine:—I was much amused to learn that you do like "Don'ts," and that you would like a list of mistakes against which to guard at a dinner party.

Well, my dear, I hardly know where to begin. The young girl of whom I wrote you in my last letter, should not have led the conversation, for one thing, as she was many years younger than any of the other ladies present. Her mother was one of the guests, but she was quite overshadowed by her young daughter. Nothing is more attractive

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\$25.00	to San Francisco, Los Angeles, San Diego and many other California points.
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\$20.00	to Butte, Anaconda, Helena, and all intermediate main line points.
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Heart Weakness.

Dr. Miles' Heart Cure has made many hearts well after they have been pronounced hopeless. It has completely cured thousands, and will almost invariably cure or benefit every case of heart disease.

Short breath, pain around heart, palpitation, fluttering, dizzy, fainting and smothering spells should not be neglected. Take Dr. Miles' Heart Cure and see how quick you will be relieved.

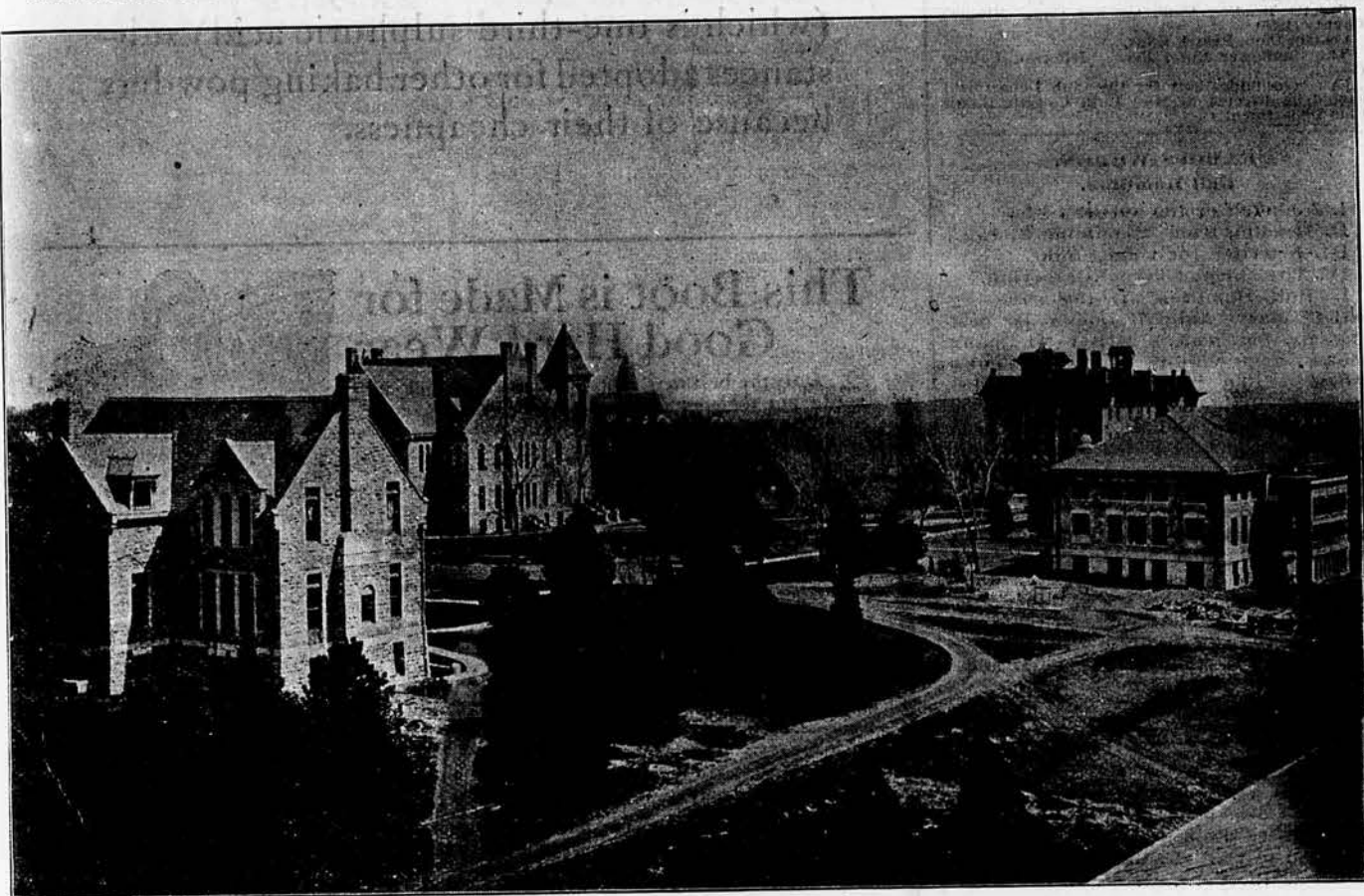
It cannot make a new heart, but will restore a sick one by strengthening the heart nerves and muscles, relieving the unnatural strain, and restoring its vitality.

"I had a very bad case of heart trouble. For six months I could not work. Last July I was plowing corn and feeling bad all day; in the afternoon in plowing one row I had to lay down, or fall down, three times. My heart throbbed as though it would burst through, and I had difficulty in getting my breath. I purchased a bottle of Dr. Miles' Heart Cure, and before I had used half of it I could lay down and sleep all night. Previously I had to get up from five to ten times a night. I have taken several bottles, and my heart is as regular as clock work. I feel like a new man, and can work considerable for an old man, 84 1/2 years old."

H. D. MCGILL, Frost, Ohio.

Dr. Miles' Heart Cure is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails he will refund your money.

Miles Medical Co., Elkhart, Ind



Four of the ten buildings on Washburn College campus, rear view, from the dome of the Astronomical Observatory, looking toward the State Capitol, northeast, showing the Administration Building, MacVicar Chapel, Rice Hall, and the new Carnegie Library.

ment movement was authorized by the trustees less than a year ago. The time set for completing the million is ten years.

The readiness with which the vigorous administration raised the first year's quota of the endowment, and the fact that this is added to the previously provided plant of \$600,000, is ample assurance of the success of the new forward movement.

Modern educational institutions always expend for the benefit of their students far more than the students pay. The excess cost is most surely and easily provided by an income-producing endowment fund. It is not to be doubted that the million proposed for Washburn will be followed by other millions in future decades, the number of these future millions depending somewhat upon the continuance of the vigorous and businesslike administration of President Plass which has now continued for four years.

The college at the Capital has a veritable endowment in one fact alone—the immense advantage of its location at the heart of the State's life and interests. Long-headed parents and their children in increasing numbers have been thinking out these manifest advantages and have wisely availed themselves of them. This commanding fact was clearly recognized in the letter read on Washburn Day from Justice David J. Brewer of the United States Supreme Court, who said: "Washburn is so situated that no other institution can be so fully in touch with the public life of the State, and at the same time reach all places within its limits

just expressed their surprise and gratification at the fullness of the facilities for the best work which the college now offers.

George Washington.

When one reads the life of Washington and traces him along from early boyhood, we cease to wonder that he became so great. The very traits of character he showed and developed, would inevitably lead to something out of the ordinary. He was truthful as we all know, by the story of the little hatchet and other similar incidents. He was honest and industrious when in play or work. He was always a leader, not because he thrust himself there by force on account of superior physical strength alone, but because of the something within that asserts itself which we call strength of character.

He was thorough, and whatever he did was done the best it could be done. When he was sixteen years old he and a young friend were sent out by Lord Fairfax, to survey a large tract of land owned by him. They lived in the wild woods roughing it for six weeks, and when they returned the Governor heard how well they had done the work, and he made George a public surveyor. The lines that he laid down were the ones used by the new States years after his death. He was brave. He was always found at the front in the fiercest battle, and was not afraid to go where he sent his soldiers. He was loved by all who knew him. Even the Indians loved and trusted him. It is truly said of him, "He was first in war, first in peace, and first in the hearts of his countrymen."

than for young people to have a manner of thoughtful deference for those older.

She should not have rested her arms on the table.

She should have been watchful as to the needs of those sitting either side of her. Her voice should have been distinct, but not loud. A friend of mine who has spent some time abroad, told me not long ago, that a French lady once said to her, "Tell me why it is that the American young girl has so fine a face, and so harsh a voice." So one of the things for my niece to cultivate is a sweet and well-modulated voice.

This reminds me of a delightful, old Kentucky gentleman, who was telling me of his first meeting with the lady who became his wife. "You should have heard her voice," he said, "I fell in love with her voice at first sight."

Another thing to guard against is self-consciousness. I suffered so intensely when I was a girl, from the fact that I could not forget myself, that it made me awkward and ill at ease, and spoiled many a pleasant evening for me. Timidity needs to be overcome, as well as too great freedom of manner. Another thing which offended me about this girl of whom I seem to be making an example, was that she referred to her gentleman friends more than once during the meal as, "the fellows." This may have been some sort of new slang which I have not before heard. In any case it sounded rough.

Don't talk too much about the different forks and spoons beside your

plate. This girl did. It's as old as the finger-bowl jokes and as lacking in fun. It is more than likely that you will not always know which one you are expected to use, if it is a dinner of many courses. But you can keep your eyes open and watch your neighbors, and you are not apt to make any alarming mistakes about them.

Don't hurry; eat your food as if to-day and to-morrow were before you. This is another place where we Americans are making a mistake, and both our manners and our digestions are bound to suffer from it. We eat each meal as if the carriage were waiting at the door to take us to the train.

And finally, remember always, that we do not attend a dinner party wholly for the pleasure we may gain ourselves, but quite as much for the pleasure we may help to give others.

Young girls have a wonderful opportunity, Katharine. If they hold high standards themselves, and demand high standards in other people, society must needs feel the uplift.

There is nothing on earth so sweet and attractive, and altogether irresistible as a young girl—a young girl of the right sort.

"Standing with reluctant feet,
Where the brook and river meet
Womanhood and childhood fleet.

"Bear thro' sorrow, wrong and ruth,
On thy brow the smile of truth;
In thy heart the dew of youth."

Your loving and moralizing
AUNT KATE.

The Little Ones

"Things That S'prise You."

There's lots of things that s'prise you
When you're little just like I;
When you bump your head they tell you,
"Oh, you're too big to cry!"
But when there's pie for dinner,
And you want another bite,
The big folks say, "Oh, no, indeed,
You are too little, quite."

Then when there's company, you know,
They wash you up so clean,
And tell you little bits o' folks
Must not be heard, but seen.
But next thing that you know about
You hear 'em say, "Now, dear,
Stand up and say your little piece
For Mrs. Smith to hear."

That's just the way things s'prise you
When you're little just like I,
But I s'pose, you'll understand 'em
When you're older, by and by.
—Exchange.

Little George Washington.

When George Washington was nine years old he wrote a little letter to his best friend, Richard Henry Lee, and here is a copy of the letter:

"Dear Dickey: I thank you very much for the pretty picture-book you gave me. Sam asked me to show him all the pictures, and I showed him all the pictures in it; and I read to him how the tame elephant took care of his master's little boy, and put him on his back, and would not let anybody touch his master's little son.

"I can read three or four pages sometimes without missing a word. Ma says I may go to see you and stay all day with you next week, if it be not rainy. She says I may ride my pony, Hero, if Uncle Ben will go with me and lead him.

"I have a little piece of poetry about the book you gave me, but I must not tell you who wrote the poetry.

"G. W.'s compliments to R. H. L. And likes his book full well. Henceforth will count him as his friend, And hopes many happy days he may spend."

"Your good friend,

GEORGE WASHINGTON.

"I am going to get a whip-top soon, and you may see and whip it."

No Tact.

Mistress—"Why did you leave your last place?"

Domestic—"Th' missus had no tact, mum."

Mistress—"Ah, I see. That is often the case."

Domestic—"Yes, mum. She was always tellin' me to do things, 'stead of askin' me to."

Have you ever had your day suddenly turn sunshiny because of a cheerful word? Have you ever wondered if this could be the same world, because some one had been unexpectedly kind to you? You can make to-day the same for somebody. It is only a question of a little imagination, a little time and trouble. Think now "What can I do to-day to make some one happy?"—Maltbie D. Babcock.

Club Department

OFFICERS OF THE STATE FEDERATION OF WOMEN'S CLUBS.

President.....Mrs. May Belleville Brown, Salina
Vice-President.....Mrs. L. H. Wishard, Iola
Cor. Secretary.....Mrs. N. I. McDowell, Salina
Rec. Secretary.....Mrs. W. D. Atkinson, Parsons
Treasurer.....Mrs. H. B. Asher, Lawrence
Auditor.....Mrs. Grace L. Snyder, Cawker City

Our Club Roll.

Mutual Improvement Club, Carbondale, Osage County (1895).
Give and Get Good Club, Berryton, Shawnee County (1902).
Women's Literary Club, Osborne, Osborne County (1902).
Women's Club, Logan, Phillips County (1902).
Domestic Science Club, Osage, Osage County (1898).
Ladies' Crescent Club, Tully, Rawlins County, (1902).
Ladies' Social Society No. 1, Minneapolis, Ottawa County (1898).
Chaltee Club, Highland Park, Shawnee County (1902).
Cultus Club, Phillipsburg, Phillips County (1902).
Literature Club, Ford, Ford County (1903).
Sabeau Club, Mission Center, Shawnee County Route 2 (1899).
Star Valley Women's Club, Iola, Allen County (1902).
West Side Forestry Club, Topeka, Shawnee County, Route 8 (1903).
Fortnight Club, Grant Township, Reno County, (1903).
Progressive Society, Rosalia, Butler County (1903).
Pleasant Hour Club, Wakarusa Township, Douglas County (1899).
The Lady Farmer's Institute, Marysville, Marshall County (1902).
Women's Country Club, Anthony, Harper County.
Taka Embroidery Club, Madison, Greenwood County (1902).
Mutual Improvement Club, Vermillion, Marshall County (1903).
Prestis Reading Club, Cawker City, Mitchell County (1903).
Cosmos Club, Russel, Kans.
The Sunflower Club, Perry, Jefferson County (1906).
(All communications for the Club Department should be directed to Miss Ruth Cowgill, Editor Club Department.)

FAMOUS WOMEN.

Gail Hamilton.

I. A sketch of the author's life.
II. Reading from "Stumbling Blocks."
III. A writer for young folks.
IV. The story of "Wool Gathering."
I. "Gail Hamilton" is the name by which Mary Abigail Dodge is best known. She was a writer of many books, also editor of "Our Young Folks." She was associated with James G. Blaine's family, being a cousin of his wife, and it is said she was his advisor and he relied greatly upon her judgment. Hers was a very active, a brilliant and an interesting career.
II. Selections from "Stumbling Blocks" or any other of her many books may be read, thus catching a glimpse of her style, and a little insight into her character, besides the pleasure and knowledge to be derived from them.

III. A study of her life will disclose characteristics that show how adequately she was fitted to be a writer for young people. One must be peculiarly endowed to be successful in this line of writing.

"Wool Gathering" was written about thirty-five years ago and it was this book that first brought her into notice. She invested in a sheep farm in the West and lost all she invested, and this book was the outcome.

A Golden Rule for Clubs.

One of the things that the club is doing for women is the elimination of gossip. It gives her something beside personalities to think about, and helps her to be charitable to others. The following resolutions will be helpful in this direction:

"Whereas, we are all human and therefore love gossip, let us resolve:

"That we will cultivate a spirit of love and patience for every other woman in the club, as we wish it cultivated for us;

"That if we hear a word of criticism on another member, her words, actions or dress, we will not repeat it;

"That we will not answer such criticisms, except to say something good of her who is assailed;

"That we will make our club a place where helpfulness and kindness go hand in hand;

"That the Golden Rule is just as good a guide to club life as it is to home life; and that we will adopt it and practice it."

The editor of this department is very anxious to make it helpful to club members, and believing a woman's club to be one of the best uplifts to woman-kind, and a power for good in the home and the community, is desirous that many more such clubs be organized. If in any way this department may be more helpful, suggestions will be gladly received, and any information desired will be given, if possible. The names of clubs, a history of their work and anything that will be of interest to other clubs are requested. Papers that are especially interesting, read at clubs, and suggestions or club programs are very acceptable.

Royal Baking Powder

Absolutely Pure

DISTINCTIVELY A CREAM OF TARTAR BAKING POWDER

It does not contain an atom of phosphatic acid (which is the product of bones digested in sulphuric acid) or of alum (which is one-third sulphuric acid) substances adopted for other baking powders because of their cheapness.

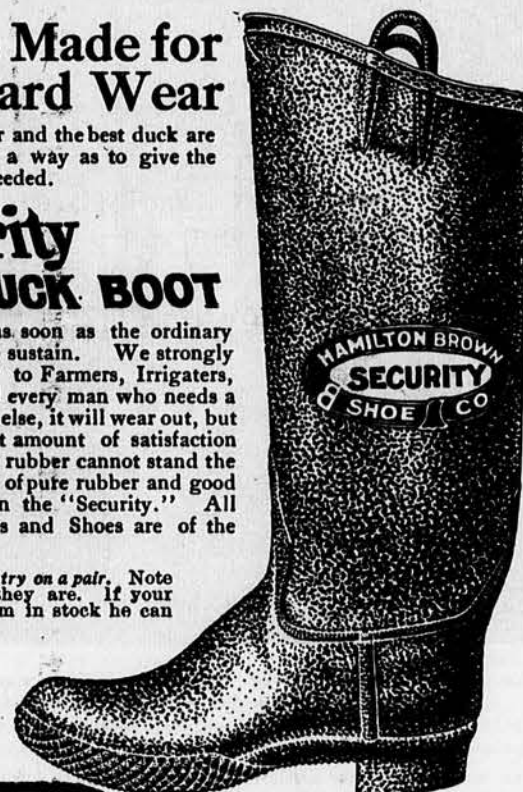
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Only the best new rubber and the best duck are used, put together in such a way as to give the greatest strength where it is needed.

Security LYCOMING DUCK BOOT

can't afford to wear out as soon as the ordinary kind—it's got a reputation to sustain. We strongly recommend "Security Boots" to Farmers, Irrigators, Stockmen, Fruit-growers and every man who needs a good boot. Like everything else, it will wear out, but it is built to give the greatest amount of satisfaction possible. Boots made of old rubber cannot stand the wear—there's a dollar's worth of pure rubber and good duck for every dollar spent in the "Security." All "Lycoming" Rubber Boots and Shoes are of the highest quality only.

Go to your dealer and try on a pair. Note carefully how well made they are. If your dealer does not have them in stock he can easily get them for you.



THINGS WORTH KNOWING

If you are going to buy A MANURE SPREADER

NO machine within his reach is capable of doing so much for the farmer as the modern manure spreader.

But then it must be a machine with features—features of economy and efficiency.

The I. H. C. Manure Spreader has such features.

Any man of experience knows that a spreader only works perfectly when the load is level.

The I. H. C. Spreader is the only spreader with a vibrating rake in front of the beater or cylinder which levels every load and any load of manure.

Any man knows that the apron operates better when power is applied at both sides.

The I. H. C. spreader apron is driven at both sides from both hind wheels.

This saves all torsion, binding, friction and undue strain, and consequently saves breakages and results in lighter draft.

One lever is better than many levers in operating any machine.

The I. H. C. spreader is the only spreader which is controlled and operated entirely with one lever.

It has ten different feeds—can be adjusted

instantly while in motion to spread three to thirty loads per acre.

Large, solid, steel axles front and rear—front wheels cut under—turns very short.

Steel wheels—no rotting or drying out. Broad faced tires with turned in flange to keep out dirt, mud, etc. Lightest and strongest.

Provided with traction lugs on rear wheels—will work perfectly on hard, frozen or wet ground.

Made in various sizes to suit all requirements.

The I. H. C. spreader will distribute perfectly manure of all kinds—wet, dry, mixed, straw, full of stalks, frozen, caked, etc.

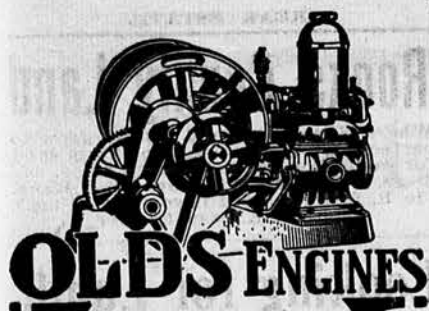
It may be equipped with special features known as lime and drill attachments for distributing broadcast, or in drills, fine manure, commercial fertilizers, lime, ashes, salt, cotton seed hulls, land plaster, etc.

Remember what we have told you—it is the manure spreader with special features which all make for success.

Go to the International Local Agent and look it over, get and read the catalogues or write for further information. It will pay.

International Harvester Company of America,
(Incorporated)
Chicago, Illinois, U. S. A.

WHEN WRITING ADVERTISERS PLEASE MENTION KANSAS FARMER.



OLDS ENGINES

There is no gas engine as simple as the Olds—Compare it with others and this statement is proved. The repairs cost practically nothing.

The Most Economical Engine

for pumping, sawing wood, feed grinding, churning and all farm work. The reason why is interestingly told in our catalog mailed on request. Tell us your requirements and we will help you figure out what you need. Send for our catalog showing Type A (2-8 h. p.), Type G (8-50 h. p.), Types K and N (12-1200 h. p. used with our Gas Producer, it will reduce fuel cost 75 per cent.)

Celebrated Picture Free
For 4c in stamps to pay cost of mailing we will also send you Rosa Bonheur's "Horse Fair," the most celebrated animal picture in the world, size 16 x 20, beautifully colored, suitable for framing.

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EUREKA BOILER

or STEAM FEED COOKER
Saves half your corn or other feed. Saves labor in feeding. It will steam moldy hay or corn perfectly sweet. Makes corn stalks or straw perfectly palatable. Write for information.

John Deere Plow Co.
Denver Kansas City, Mo.

CAMPBELL SYSTEM FARMING ASSOCIATION

Membership \$5.00. Organized to educate farmers to use the Campbell System of soil culture. Dry Farming Magazine, edited by Mr. Campbell, \$1.00 per year, including Campbell's Manual. Send ten cents for sample copy today. Cash discount on Campbell machinery to members only.

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Every citizen should read it. Send two 2-cent postage to

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Special attention given to stock-breeders accounts. Reference furnished on application.

You Will Prosper in the Great Southwest

In Oklahoma, Indian Territory and Texas are vast areas of unimproved land—land not now yielding the crops of which it is capable. The same conditions apply to the towns. Few lines of business are adequately represented. There are openings of all sorts—for mills and factories, for small stores, for banks, newspapers and lumber yards. You have only to get on the ground to prove this. To enable you to do so the Missouri, Kansas & Texas Ry offers

Rates Cheaper Than Ever February 20th and March 6th and 20th

On above dates most lines will sell both one-way and round-trip tickets at exceptionally low rates. If your nearest railroad agent can not give you the rates, write me for particulars.

If you're in any way interested in the Southwest, I'd like to send you my paper "The Coming Country." Address
W. S. ST. GEORGE
General Passenger Agent
580 Wainwright Building, St. Louis, Mo.
Tickets on sale everywhere, via



"SOUTHWEST"

Miscellany

Kansas' Greatest Year.

Agriculturally the year 1905 has been the most fruitful in the State's history, as shown by Secretary Curn's invaluable report, and the worth of its farm products and live stock is the largest ever recorded for Kansas. It is greater by \$41,222,703, or 11.3 per cent than in 1904; is over twenty-eight million dollars more than twice as much as their value in 1896—ten years ago, and is considerably more than their combined values in the first two years of the past quarter century. For the first time the value of Kansas' agricultural productions and live-stock amount to more than four hundred million dollars—the nearest approach to this being in 1903, when the amount aggregated \$387,500,000. As suggestive of the present situation, it may be said that this year's wheat is worth more than that of any other year's crop; with one exception the same is true of corn, and the State is richer in live-stock than ever before.

The year's aggregate value of farm products and live-stock is sufficient, if equally divided among the State's inhabitants, to give each, whether adult or infant, \$264, and this, together with the per capita amount of over \$76 on deposit in Kansas banks, institutions patronized chiefly by farmers, indicates a degree of prosperity most substantial and gratifying.

WHEAT.

The total yield of wheat, winter and spring, of superb quality, was 77,178,177 bushels; this is over 12 million bushels, or 18.4 per cent, more than the output of 1904; sixty-two per cent greater than the annual average for the past twenty years, and is the fourth largest crop produced by Kansas. Its home value is given as \$53,871,624, showing it to be the greatest income-bringing wheat crop ever raised in the State, nearly 4.8 per cent greater in value than the 1904 crop, and \$1,445,269 more than the returns from the crop of 1903, which heretofore held the record for highest aggregate value.

That the Kansas wheat-farmer has been particularly prospered in recent years can well be concluded from the fact that in the past five years, ending with 1905, Kansas raised two wheat crops of over 90 million bushels each, one of over 77 million bushels, one of over 65 million bushels and one of about 55 million bushels, aggregating 381,344,039 bushels in the five years, worth \$237,457,229, or an average annual output of 76,268,808 bushels, worth an average of \$47,491,446.

The most valuable four wheat crops produced by Kansas have been raised in the past five years, as follows:

1901	\$50,610,505
1903	52,426,355
1904	51,409,255
1905	53,871,624

Of this year's crop 1,335,518 bushels is of spring wheat, a considerably larger quantity than is ordinarily produced, and its value is given as \$783,974.

Of winter wheat the area sown, as reported by assessors in March, was 5,835,237 acres. The largest yields per acre this year were in the eastern counties, in fifteen of which they ranged from 20 to 27 bushels, Lyon and Coffey reporting the latter. Thirty-three counties each had one million bushels or more, aggregating 70 per cent of the year's crop. The leading six counties in winter wheat, and their output, named according to rank in yield, are:

	Bushels.
Barton	4,099,335
Reno	2,910,670
Sumner	2,343,654
Pawnee	2,302,924
McPherson	2,232,464
Stafford	2,169,772

Correspondents report that last fall's sowing will aggregate about 5,900,000 acres, an increase from one year ago of 64,763 acres, or 1.1 per cent. Seventy-five counties, located in various portions of the State and more or less noted for their wheat-production report the same or increased areas. Calling

I Save You \$50

How My New Direct from Factory Selling Plan Gives You All Jobbers', Agents' and Dealers' Profits on Knodig Scales.

No Money Down—No Notes to Sign.
30 Days Trial—10 Years Guarantee.

My name is Gumbel, H. C. Gumbel. I am Manager of the National Pitless Scale Co. of Kansas City, Mo.

I make the famous Knodig Pitless Scale, which for many years has been sold to Farmers, Stockmen, Grain Dealers, and others, through Jobbers, Agents and Retailers.

All scales, including the high priced, expensive Pit Scales, are still sold that way. —But I have a new plan which saves the scale buyer all these middlemen's profits.

You now pay for the Knodig Pitless only one small profit, because you can buy it direct from the factory.

No other scale in the world is sold this way. If you question this statement, just write to any scale manufacturer and see how quickly he will turn you over to some agent or dealer.

But why should you pay more for the privilege of buying scales through a third party? Does it make them any better to pay this extra profit?

Is there a single reason why you should not deal directly with the factory? You buy Stoves, Incubators, Organs, Buggies, and a hundred other things that way—And save money by doing it!

Then, why not—Scales?

I will sell you a brand new 1906 model Knodig Pitless Scale direct from the factory for \$50 less than the price of a Pit Scale. And it will be a better scale, too.

Because the Knodig sets above ground, and all the working parts are inside the eight inch steel frame.

No pit is necessary, which saves you many annoying and expensive features, such as—

—Digging and walling the pit.
—Renewing broken and rotted timbers.
—Dipping water and breaking ice.
—Replacing rusted parts caused by the dampness of a pit?

—Removing platform to get at the trash and dirt that constantly accumulate.

Old style pit scales may be all right for those who can afford them, and don't mind the

trouble and expense of keeping them in repairs.

—But if you can save about half in price and have no pit to dig—no big lumber bills—no expensive carpenter jobs for foundations—

—Why shouldn't you buy a Knodig?

The Knodig Pitless is movable. You can easily take it down and re-set it anywhere on the premises, wherever the work may happen to be.

It is as accurate as any high priced Pit Scale, because it is tested, as they are, according to the U. S. Standard of Weights.

Knodig Pitless Scales are made of black diamond and silver tool steel, proved by experience to be absolutely the best steel for the purpose.

The pivots are ground, gauged and tempered by expert scale makers.

The scales are sealed by an expert sealer. And finally, to prevent any possibility of error, all Knodig Pitless Scales are carefully passed upon by an Inspector of Weights, before shipment.

So, you see, they must be accurate. We guarantee them unreservedly for ten years.

Other scales are guaranteed only on condition that heavy timbers must be kept in good condition, etc., etc.

I am willing to prove that the Knodig Pitless is the scale you want.

I will send a set to you, or to any responsible Farmer, Stockman Elevator Man, or Grain Dealer on a month's free trial.

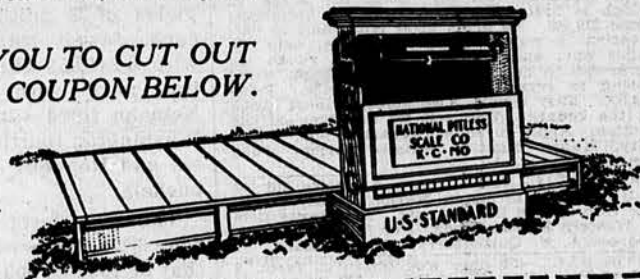
You have nothing to pay until you are satisfied—no deposit, no notes to sign, nothing to do but give the Knodig a fair, honest trial at my risk.

If it doesn't please you, just send it back, and I will pay freight both ways and the expense of setting it up on your place.

Surely this is a fair offer!
Address me personally. H. C. GUMBEL, Manager of the

National Pitless Scale Co., 2017 Wyandotte Street, Kansas City, Mo.

IT WILL PAY YOU TO CUT OUT AND MAIL THE COUPON BELOW.



H. C. Gumbel, Manager

National Pitless Scale Co., Kansas City, Mo.

2017

Please send me, FREE, Catalog, full description, price, etc., of the Knodig Pitless Scale with all details of your New Direct Factory Selling Plan.

Name

Address

Double Manure Value.

EVERY man who has used a manure spreader knows that it doubles the value of the manure pile.

Those who have not had that experience will be convinced with the first trial.

It is not because the manure spreader puts more manure on the land, but because it so tears apart, disintegrates and makes it fine that it all becomes available as plant food.

Of course it takes the right kind of a spreader to do this work perfectly.

The I. H. C. Spreader fits the case exactly.

It is not only an unusually strong, well built machine, thus being durable and continuing long in service, but it has features peculiarly its own.

For instance: It is the only manure spreader having a vibrating rake in

front of the beater or cylinder which levels the load as it passes backward towards the spreading mechanism.

You know, of course, that perfect spreading can only result when the load is level.

This spreader is entirely controlled and regulated in all its working parts by a single lever.

It will spread from three to thirty loads per acre, and the change necessary to produce these desirable results can be made instantly while the machine is in motion.

Power is applied to the apron of the I. H. C. Spreader from both sides—both rear wheels. This insures an even, steady feed and no strain, side draft or breakage.

The I. H. C. Spreader is equipped with broad faced steel wheels which are best, because they are at once the lightest and strongest.

It will spread any and all kinds of manure in any condition, and can be equipped with special attachments for spreading in drills and broadcast lime, compost, ashes, cottonseed hulls, land plaster, etc.

Made in several sizes to suit all classes of work and every section.

Go to the International Local Agent and look it over, get and read the catalogues, or write for further information. It will pay.

INTERNATIONAL HARVESTER CO. OF AMERICA, CHICAGO, U. S. A. (INCORPORATED)



LIGHTNING PORTABLE WAGON SCALE

All above ground. Steel frame, only eight inches high. Octagon levers. Tool steel bearings. Compound beam. Most accurate and durable. Write for catalogue and price.

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REAL ESTATE.

A GREAT BARGAIN.—A fine 240 acres farm in Wabaunsee County, 50 acres in wheat, 45 acres in alfalfa, 50 acres in grass, balance in cultivation, first class corn land. Eight room frame house, corn crib, granary, barn for 8 horses, stone cattle shed 100 feet long and other buildings; well fenced, never failing wells, with windmill, piped to barn and feed yards with hydrant attached, elevated tank; 100 bearing fruit trees. Located on R. F. D., telephone in the house, three miles south of Belvue, Kansas. Can sell on very easy terms. For further particulars write or address J. B. Fields, Real Estate and Loans, Alma, Kans.

TO TRADE for stock, good 160-acre farm in Cherokee County. H. H. High, Faulkner, Kans.

READ, CONSIDER, COME, OR WRITE.—80 acres of good land, with nice, comfortable buildings, \$2,200. 160 acres, 120 cultivated, good land for corn, wheat, and alfalfa, new 4000 barn, good five room house, close to school and town, \$4,200. 240 acres, well improved, all good land, \$6,000. Small payment down, balance to suit. 320 acres, improved, one-half bottom, will grow any farm crop, \$6,000. 480 acres, 15 acres tame grass, fine improvements, \$10,000. 653 acres, bottom and second bottom, fine improvements, one mile from town, timber, alfalfa, orchard, water, hog fence, easy terms, \$25,000. We have a large list of all sizes and kinds. Write for list, at once. Minneapolis, Florence, or Salina, Kans. Garrison & Studebaker.

FOR SALE.—Improved farms, at prices from \$24 to \$50 per acre. Write, stating exactly what you want, and we will send description. The Nordstrom-Heusted Realty Co., Clay Center, Kans.

A BARGAIN.—160 acre farm, 80 in cultivation, balance pasture; 5 room house with cellar, new barn, \$3,500. Also cattle-shed, corn-crib, granary, hen house, and implement-shed, well, windmill, orchard; 1 1/2 miles to school 3/4 miles to Alta Vista in Wabaunsee County. Price \$5,600. A. H. Meseke, Alta Vista, Kans.

KANSAS FARM LANDS for sale in Republic and Washington Counties, 180 miles from Omaha, St. Joe and Kansas City, located in the corn and alfalfa belt, where the farmer has got rich by feeding hogs and cattle and selling out to live a retired life; for prices and description of improved farms, write to J. E. Caswell, Belleville, Kans.

ANOTHER GOOD FARM FOR SALE.—I am offering for a short time the following described farm for sale: 160 acres one-half mile south of Paxico, 145 acres in cultivation, 5 acres in fine orchard with all kinds of fruit, 5 room frame house with fine cellar, also a two-room tenant house, new barn 40x60, windmill and well with everlasting water at the barn, good well at the house, 15 acres hog pasture well fenced, 10 acres timothy, 15 acres blue-grass pasture, 15 acres alfalfa, good feed lot, a small stream running through the feed lot with an abundance of good water. Price \$7,000 to be paid as follows: \$3,000 cash, balance to suit purchaser with interest at 6 per cent per annum. J. B. Fields, Real Estate and Loans, Alma, Kans.

MORRIS COUNTY LAND.—640 acres of fine land—adjoining railroad town, 500 acres of which is first class farm land; no buildings; price \$10,500. 320 acres good land, half in cultivation, 5 room house, new barn only 3/4 miles out; snap, \$7,500. Splendid ranch 480 acres—300 in cultivation—10 room house, barn, spring in corral, steel mill; alfalfa. Price \$13,000. Easy terms, 8,000 acres. Finest ranch in the county. Will sell by quarter, half or section. Apply to John Taggart & Son, White City, Kans. Mention Kansas Farmer when writing.

KANSAS LANDS.—I have a choice lot of well-improved farms in Marion County, varying from \$29 to \$50 per acre. Also large lists of Western Kansas lands. For full particulars, address A. S. Quisenberry, Marion, Kans.

FOR SALE.—320 acre well improved farm, 6 miles from Emporia. Price \$25 per acre. Write Hurley & Jennings, Emporia, Kans.

A 320-ACRE FARM within two miles of good town. Good new house, barn and stables, all bottom land, the best of alfalfa land, two arched wells, one at house and one at barn; good orchard, good for any kind of crop; a good fish pond near the house with plenty of fish. J. B. Bannum, Arlington, Kans.

FOR RENT.—Fine rice and alfalfa farm, near Houston, Texas. Address Dr. F. M. Wiles, Indianapolis, Ind.

BUY FROM OWNER.—This fine alfalfa and sugar-beet farm, near school and town, only 6 to 12 feet to inexhaustible supply of sheet water; a bargain for quick sale. James A. Jackson, Syracuse, Kans.

440-ACRE FARM.—Close to good town, very good buildings, with growing crops, at \$17 per acre. Other bargains in improved farms with crops. Missouri farms for sale. California land for sale. Western Kansas land at \$2.50 to \$20 per acre. Write or come and see what I have in the way of bargains in city property. J. B. Bannum, Arlington, Kans.

FOR SALE.—The Dean Bartlett ranch, consisting of 3,200 acres on the New Topeka and Northwestern railway. Near the town of Emmet, Pottawatomie County. Will sell all or a part. Address Dean Bartlett, St. Marys, Kans.

FOR SALE.—80 acres Arkansas second bottom, 4 miles east of Great Bend. All in cultivation. Fine alfalfa land. Address R. care Kansas Farmer, Topeka, Kans.

FIFTY farms in Southern Kansas, from \$15 to \$70 per acre; can suit you in grain, stock or fruit farms. I have farms in Oklahoma, Missouri and Arkansas for sale or exchange. If you want city property, I have it. Write me. I can fix you out. Wm. Green, P. O. Box 966, Wichita, Kans.

LAND FOR SALE in western part of the great wheat State. H. V. Gilbert, Wallace, Kans.

832 ACRE FARM. McPherson County, 3 1/2 miles from good town, close to school, 210 acres first bottom, remainder second bottom, up-land, meadow and pasture, excellent improvements, including fence, house, barn and out-buildings; fine bearing orchard, alfalfa, excellent water and timber. Price \$23 per acre. C. E. Carlson, Odd Fellows Building, McPherson, Kans.

FOR SALE.—160 acre tract 6 miles N. E. of Council Grove, Morris County, 100 under cultivation, balance mow land, \$3,500. Easy terms. Eastman & Lakin, 115 West 6th Ave., Topeka.

FOR SALE.—Dairy Farm in Loudoun County, Virginia. Between three and four hundred acres. Less than one and one-half hours' ride from Washington. Good railroad facilities. Outbuildings complete in every respect and in first-class condition. Good fencing. Large silo, filled for winter. Two dwellings on place for manager, etc. Good watering facilities with large storage tank. Excellent herd of cattle and well-equipped dairy. Good land and whole farm can be cultivated. Excellent opportunity to purchase first-class, well-equipped dairy farm. M. V. Richards, Land & Industrial Agent, Washington, D. C.

a satisfactory stand and healthy condition 100, the general average of the growing wheat for the State is now 80.4. Five counties in the eastern third of the State have conditions of 100 or over, and in fact the best conditions prevail throughout the section named, most of the counties reporting 90 or better. Soil and weather in some portions of the State were quite favorable for sowing, and since for germination and growth; in others opposite conditions existed, owing to the lack of sufficient moisture. Notably is this the case in about twelve of the prominent wheat producers and to a greater or lesser degree in localities here and there in other counties, for the most part confined to a block of the State's area 150 miles square measuring westward from the eastern border of Republic County, which includes the twelve counties before mentioned. Norton reports the lowest condition, 54, and Trego next with 58. The presence of insects is noted in some fields, but so infrequently as to cause little, if any, apprehension.

CORN.

The corn crop amounts to 190,519,593 bushels, the largest since 1902, and 58,500,000 bushels more than that of 1904; its value is \$68,718,584, which, with one exception, is the most valuable corn crop produced in the State. The corn, by more than one million dollars, outvalues that of the year's wheat, oats, rye, buckwheat, broom-corn, flax, and Irish and sweet potatoes combined. Thirty-two counties, all except three in the eastern third of the State, report yields per acre of 30 or more bushels, the highest being 38 in Wyandotte, followed by Brown, Jefferson, Leavenworth and Miami, each credited with 35 bushels per acre. Forty-three counties show aggregate yields of 2 million or more bushels each, Jewell leading (as last year) with 6,241,952 bushels; Marshall coming next with 6,173,898 bushels; Nemaha third with 5,863,854 bushels; Washington fourth with 5,162,940 bushels and Republic fifth with 5,074,080 bushels.

The area devoted to corn this year was 6,799,755 acres, an increase over that of 1904 of 305,597 acres, or 4.7 per cent. The average yield per acre for the entire State was 28 bushels.

SORGHUMS GRAIN AND FORAGE.

The non-saccharine varieties of sorghums have all increased in acreage, while the sweet sorghums show a decrease; the combined value of these is \$8,107,135.

HAY AND LIVE-STOCK.

Tame and prairie hays yielded well and in quality are probably above the average. The returns indicate a larger supply of hogs than one year ago, and from no quarter is disease reported among live stock.

KANSAS CROPS AND PRODUCTS IN 1905.

The yields and values of the year's crops and products are as follows:

	Number.	Value.
Winter and spring wheat, bushels.....	77,178,177	\$53,871,624
Corn, bushels.....	190,519,593	68,718,584
Oats, bushels.....	9,712,954	2,800,850
Rye, bushels.....	1,114,890	578,981
Barley, bushels.....	9,712,254	2,800,850
Buckwheat, bushels.....	12,730	11,457
Irish and sweet potatoes, bushels.....	7,373,102	3,897,352
Castor beans, bushels.....	2,160	2,700
Cotton, pounds.....	45,900	4,590
Flax, bushels.....	587,169	506,177
Tobacco, pounds.....	12,405	1,241
Broom-corn, pounds.....	9,585,030	300,423
Millet and Hungarian, tons.....	498,816	1,765,434
Sorghum for syrup, gallons.....	1,477,890	591,156
Sorghum, Kaffir-corn, Milo maize and Jerusalem corn for forage.....		8,107,135
Tame hay, tons.....	1,805,776	9,028,880
Prairie hay, tons.....	1,757,367	6,493,242
Wool clip, pounds.....	483,067	101,444
Cheese, butter and milk.....		8,568,350
Poultry and eggs sold.....		8,541,153
Animals slaughtered or sold for slaughter.....		52,617,860
Horticultural and garden products.....		3,500,121
Honey and beeswax, pounds.....	1,823,688	257,309
Wool marketed.....		167,893
Total value.....		\$238,818,666

NUMBERS AND VALUES OF LIVE-STOCK

	Number.	Value.
Horses.....	879,258	\$72,978,414
Mules and asses.....	114,091	10,838,645
Milch cows.....	763,803	19,095,075
Other cattle.....	2,637,222	50,107,218
Sheep.....	158,591	586,787
Swine.....	2,133,555	16,215,018
Total value.....		\$169,821,157
Grand total.....		\$408,639,823
Product of 1904.....		

REAL ESTATE.

Twenty-five Bushels of WHEAT to the Acre

means a productive capacity in dollars of over
\$16 per Acre
This on land, which has cost the farmer nothing, but the price of tilling it, tells its own story. The

Canadian Government

gives absolutely free to every settler 160 acres of such land.

Lands adjoining can be purchased at from \$5 to \$10 per acre from railroads and other corporations.

Already 175,000 farmers from the United States have made their homes in Canada.

For pamphlet "20th Century Canada," and all information apply to Superintendent of Immigration, Ottawa, Canada, or to the following authorized Canadian Government Agent

J. S. CRAWFORD, 125 W. 9th Street, KANSAS CITY, MO.
Mention this paper.

CASH for your real estate or business, no matter where located. If you want your property sold quickly send us description and price. N. B. Johnson & Co., 547 Bank Commerce Bldg., Kansas City, Mo.

FOR SALE.—A good farm of 320 acres in Anderson County, Kansas, main line Missouri Pacific Railway, R. F. D., near school and church. American community, good improvements; \$22 per acre. A bargain. Address O. J. Prentice, 156 Wabash Avenue, Chicago.

FINE STOCK FARM FOR SALE.—640 acres, one-half in cultivation, balance in pasture, mostly seeded to Kentucky blue-grass, well watered, about 40 acres in alfalfa, all fenced and cross fenced, beautiful lawn with shade, large eight-room house, commodious barns for stock and hay, fuel, poultry, and ice houses and other outbuildings, feed yards, corals, stock sheds, one tenant house; convenient to church and school, on Rural route; 1 1/2 miles from station on double track railway, 12 miles east of Topeka, the State capital, 54 miles west of Kansas City, in the midst of a splendid farming country. It is now occupied by the owner, who has lived there for more than thirty years. Price, \$37.50 per acre. Easy terms. Address WILSON & NEISWANGER, 115 W. 6th St. Topeka, Kans.

FOR SALE.—80 acre improved farm 3 1/2 miles N. E. of Harveyville, Wabaunsee Co., 45 in cultivation, balance pasture; 7 room house, barn, crib and out-buildings; \$2,500. Cash \$800. Eastman & Lakin, 115 West 6th Ave., Topeka.

FOR SALE.—640-acre ranch, 4 miles from Stockton, Kans.; big bargain of 320 acres at \$8 per acre. Write STEVENS & RUBY, Stockton, Kans. Mention Kansas Farmer.

KANSAS LAND FOR SALE.

640 acres of fine wheat land, price \$10 per acre, \$1,800 cash, balance in small yearly payments, 6 per cent interest. Niquette Bros., Salina, Kansas.

A CORN AND ALFALFA FARM.

FOR SALE.—One of the richest improved farms on Prairie Dog Creek. Soil is black loam that yields big crops every year. This year an average of 40 bushels of corn, about thirty acres in pasture and timber, 15 acres in alfalfa, balance corn land. Good house and barn and other farm buildings. On account of change of business the owner desires to sell soon. Address

M. E. Beall, Woodruff, Kans.

If you have farms, ranches, or city properties for sale or trade anywhere in the State, we would like to have you list the same with us by sending a thorough description together with lowest prices and best terms. We have a fine list of city properties in Topeka and farms around the city, some for trade.

MOON, CHARLES & MOON,
REAL ESTATE AGENTS,
116 E. Fifth St., Topeka, Kans.

REAL ESTATE.

Rooks County Land

Where Wheat, Corn and Alfalfa grow to perfection. 37,500 acres fine farm land for sale. For list and county maps, address, C. H. DEWEY, Stockton, Kans. (R. R. fare refunded if you buy of me.) Mention Kansas Farmer.

Looking for Land?

Come to Downs, Kans., a thriving city of Kansas, 200 miles west of Atchison, on the Missouri Pacific railway, in the celebrated Solomon Valley, in Osborne County, where we raise corn, wheat, alfalfa and other cereals, successfully.

THE DOWNS REALTY CO.,
Downs, Kansas.

Hurley & Jennings' Land Bargains

For Sale—40 acres improved orchard, 4-room house and stable, 3 miles from College of Emporia, for \$1,200, on terms if sold at once.

HURLEY & JENNINGS,
Emporia, Kansas.

Holton Real Estate and Loan Co.

Holton, Kansas,

Make a specialty of Texas ranch and farm lands. Western Kansas lands in any quantity. Send for descriptive lists.

GEO. M. NOBLE & CO.

Real Estate, Loans, Insurance.

Some Special Farm and City Bargains.

435 ansas Ave., Opposite Postoffice,
Topeka, Kans.

The Wonderful Ozarks

Present safest and best opportunities for investment. Our paper tells all about resources, farming, timber, mineral lands. Copy free.

OZARK COUNTRY,
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H. C. BOWMAN,

SHAWNEE COUNTY FARMS.
TOPEKA RESIDENCE AND MERCANTILE PROPERTY.
VACANT LOTS.

TEXAS RANCH LANDS.
42 Columbian Bldg., Topeka, Kans.

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COLORADO
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A TRIP OVER THE

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We offer to BONA-FIDE SETTLERS their choice of one-hundred
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How \$100,000 Is Being Spent in a Campaign of Enlargement.

The spending of \$100,000 is an interesting event, no matter who spends it or for what aims, but when it is devoted in an almost philanthropic way to the enlargement of those who seek better health, or new pleasure, or perfect rest, it is indeed worthy of remark.

The Sunset Magazine, that marvelous reflex of western life, published in San Francisco, recently contracted with N. W. Ayer & Son, the great advertising house, of Philadelphia, to spend \$100,000 in telling the people of the wonders of that scenic country extending from Los Angeles, California, to Portland, Oregon, now so easily accessible via The Coast Line and Shasta Route of the Southern Pacific Company.

To convey this message in such a graphic manner that every one everywhere would have a true mind-picture of the amazing things to be found in this land of perennial sunshine, required all the resources even of N. W. Ayer & Son, a veritable army of photographers, artists and writers, working hand in hand in preparing pages upon pages of interesting material for the great magazines and periodicals. When it was found that even this great space was too limited to tell a tithe of the story, a beautiful book was published for free distribution, containing rare color prints, fine engravings and most vivid pen pictures. "The Road of a Thousand Wonders" is the title of this book, and it is indeed well worthy of the name, for on its pages are depicted all the veritable wonders of California and Oregon, including the Home of "Ramona," the heroine of Helen Hunt Jackson's famous romance; the old Spanish Missions still used by the sombre-robed monks; the mysterious Cypress Forest on the great Seventeen Mile Drive; the historical town and bay of Monterey; the rose bushes that climb telegraph poles in midwinter; the pyramids of the Santa Lucia Mountains; the nature baths of Paso Robles Hot Springs; the orange and olive groves, the endless sea of blossoms that makes Japan look like a pea-patch; the Big Trees of Santa Cruz, the oldest living things on earth; the glories of the Sacramento Valley; the grandeur of snow-capped Shasta, and the inexhaustible game preserves of Oregon.

All this and so much more is described in this remarkable book—more remarkable when it is considered that

it has no price, and that any one may have one by writing to the distributor, Chas. S. Fee, Passenger Traffic Manager, Southern Pacific Company, 431 California street, San Francisco, California.

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Wheat and Alfalfa Land in Logan and Wallace.

These lands are prime No. 1 land, selected, smooth, well grassed and well watered. Price \$4 to \$6 per acre; part cash, and long time for balance.

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County farms for sale at reasonable
prices. Write me for full information.
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Stand Up for Osborne County

In the great Solomon River Valley, the richest section of the Northwest. The best all-purpose county in the State. The home of Alfalfa, the king of all grasses, where land values are always increasing, where prices now are very low. The most productive soil the sun ever shown upon, ideal climate, abundance of pure water and timber. Prices \$10, \$15, \$20, \$25 and \$35 per acre. These prices will double inside of two years. Write me for full particulars and list of farms.

A. L. BROWN, (the man who sells Osborne County lands),
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We do not deal in extreme Western lands, hot air, hot winds, sand, sage brush and blue sky, but handle Osborne County lands, exclusively. That's what makes our business grow.

Mention Kansas Farmer when you write.

Western Kansas Wheat Farms

Deal with the owner direct. Save commissions. Know you are getting your land at the right figure. We own and control 60,000 acres of the finest wheat and corn lands in central and western Kansas. We have one price for everybody. You can buy a farm on ten years' time with interest at 6 per cent, or you can pay cash and get 5 per cent discount. Our farms are bargains, every one of them, and are in the best counties of Northwestern Kansas; close to schools, railroads, towns and churches, in well settled localities. If you have \$300, you can own a farm and home of your own. No poor land.

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We have every combination to insure your success. Soil is smooth and richest sedimentary deposit. Climate so mild every month can be used for planting and growing crops and fruits.

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Send for our booklet. Write for particulars. It will pay you. Address
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AT KENNEWICK ON THE COLUMBIA.

The ideal climate, winters warm and balmy.
Under the Great Northern Pacific Canal.

The choicest irrigated land in the West.

Own a ten acre fruit ranch and be independent.

Why work for others; be brave and do as thousands have done before you. These men have not made a mistake in coming here, many are independent.

We produce the earliest fruit, berries and grapes grown in the West.

It is all that we claim for it. Write to

KENNEWICK LAND CO., - - KENNEWICK, WASHINGTON.

NAMPA, IDAHO

A railroad center of Southern Idaho, surrounded by 300,000 acres of magnificent farming and fruit lands. Only one-fourth of these lands are under cultivation. The UNITED STATES GOVERNMENT has appropriated \$11,000,000 to develop the water supply and work will begin in February this year. A beet sugar company has secured contracts on 6,000 acres of land and are now erecting a \$1,125,000 factory within the city limits and will handle the crop of 1906. We have just built an alfalfa meal plant to grind up the surplus hay and ship it away in sacks. A brewery company has just secured a site and will put up a \$90,000 plant. This will help the hop industry. A flour mill company is seeking a site and one will soon be located. You can not fail to see that all of these enterprises locating at the same time in a town of about 3,000 people will double and triple its population in the next two or three years. We raise 5 to 8 tons of alfalfa per acre, 300 to 500 bushels of potatoes, two crops of timothy and clover, 30 to 60 bushels of wheat, 60 to 100 bushels of oats, 50 to 70 bushels of barley. All fruits raised to perfection. Write the NAMPA CHAMBER OF COMMERCE.

SNAKES

are not found in the SNAKE RIVER VALLEY, but here is found the most beautiful tract of agricultural land in the United States, and you do your raising, and have no failures of crops, that's irrigation. No Cyclones or Blizzards. This country needs live, wide-awake men, who wish a new home in the rapidly developing west, and offers cheap land, good church and school facilities, and a chance to make money to those who are willing to work. St. Anthony, the County seat of Fremont County, Idaho, is a bright and growing town in the very heart of a rich and growing richer country, and if you wish reliable information in regard to prices, soil, climate and our prospects, write any of the following firms: First National Bank; C. C. Moore Real Estate Co.; Wm. D. Yager Livery Co.; Murphy & Bartlett, Cafe; Commercial National Bank; C. H. Moon, Farmer; Chas. H. Heritage, Riverside Hotel; Miller Bros., Grain Elevator; Skalet & Shell, General Merchandise; Chas. S. Watson, Druggist; Gray & Ross, Townsies; W. W. Youmans, Harness Store.

100,000 ACRES OF IRRIGATED LAND



In Sunny Southern Alberta, Canada

THE LAND OF WINTER WHEAT, ALFALFA AND SUGAR BEETS

These lands are part of the great irrigation project constructed by the Canadian Pacific Ry. in the CALGARY DISTRICT OF SOUTHERN ALBERTA. We now have ready for the farmer one hundred thousand acres of these lands, lying on the northern side of the main line of the CANADIAN PACIFIC RAILWAY at Gleichen, extending back ten miles in a solid block,

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The canals and laterals are to be maintained forever by the Canadian Pacific Ry. at a nominal cost of 50 cents per acre per annum.

NO FLOODS, NO DROUGHTS, EVERY YEAR A HARVEST YEAR

this too on land that will produce 30 to 60 bushels of hard winter wheat, 80 to 100 bushels of alfalfa, sugar beets and all small grains. Remember, oats to the acre, with enormous yields of alfalfa, sugar beets and all small grains. The lands are all adjacent to the main line of the Canadian Pacific Ry., giving easy access to the world's best markets. For further particulars and certificate for low railroad rates, write

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FREE Flower Seeds 1000 sorts, new and old, for a g. bed; also Park's New Floral Guide FREE. T. your friends. Geo. W. Park, LaPark, Pa.

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in price and of the best quality, free from disease and true to name. Complete assortment. Due bill good for 50c and 50 Canned Grape Vines \$1.00. Catalogue free. Freight paid on \$10.00 orders. FAIRBURY NURSERIES, Box 1, Fairbury, Neb.

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MILLIONS OF FRUIT AND FOREST TREES Small Fruits and Evergreens. Russian Mulberry and Black Locust, \$1.00 per 1000. Carefully dug and packed. Freight prepaid on \$10.00 orders. Catalogue free. Fine trees guaranteed. Gage County Nurseries, Box 608, Beatrice, Neb.

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Boone County White, Farmers' Interest, Reid's Yellow Dent, Improved Leaming and Riley's Favorite, best pedigreed and tested seed, grown on my own farms, \$1.50 per bu. Sacks free. Delivered on car for any station in the United States.

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Best quality Good bearing. Low prices. Apple 40; Plum and Cherry 120; Peach 40; all budded; Concord Grapes 20; Forest Trees \$1.00 a 1000. **GERMAN NURSERIES** Carl Sonderger, Prop. Tested seeds very cheap. Freight paid on trees. Catalogue, English or German, free. Write for it today. Address **GERMAN NURSERIES**, Box 9, Beatrice, Neb.

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We grow them by the million. To prove they are healthy and vigorous we offer 12 FREE. Spruce and Fir 2 years old FREE to property owners. Mailing expense 5c, which send on not. A postal will bring them. Catalogue with 48 colored plates of Hardy Plants etc. Free. Write today. The Garden Nursery Company, Box 740, Osage, Ia.

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and Southwestern Iowa produces the best seed corn in the State. Every grain from which our seed is grown is carefully selected by us, and the cultivation of the crop is carried on by a member of our firm. We raise every grain of seed corn we sell, and we make it as perfect as it can be made. Write us for prices. **W. W. VANSANT & SONS**, Box 54, - - - Farragut, Iowa

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is a money-making crop. Room in your garden to grow hundreds of dollars worth annually. Thrives throughout the United States and Canada. We sell roots and seed during spring and fall planting seasons and buy the dried product. You can get started in this profitable business for a small outlay. Send 2c stamp to-day for illustrated literature telling all about it.

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A wonderful big catalog FREE. Full of engravings of every variety, with prices lower than other dealers. The book is worth a dollar to any one who plants seeds. Big Lot of Extra Packages Free to Every Customer. Send yours and neighbors address. **R. H. Shumway, Rockford, Illinois.**

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To Grow Big Crops and best potatoes plant Our Red Rover Grown Stock. They are unsurpassed in quality and early maturity. Our Stock is the largest and prices lowest. Our Big fine illustrated Catalog is FREE; gives pictures and descriptions of every seed that grows. Send for it; a postal card will bring it to your door. Address, **KATEKIN'S SEED HOUSE**, Shenandoah, Iowa. (The largest Seed Corn Growers in the World.)

Try the New Majestic Tomato

The greatest vegetable novelty of the season. By all odds the largest, finest flavored and most productive in existence. Thousands of our customers have written us that it surpassed all other sorts and produced 100 lbs. to 147 lbs. of fruit to the plant. Many reported single tomatoes, weighing 3 lbs. to 6 1/2 lbs. each. Just think what this kind of a crop would mean on an acre of ground. The fruits are not coarse grained and poor like other large sorts, but are smooth, solid, have few seeds, and are unsurpassed in quality. Of fine shape and beautiful color. The first season the seed sold at 40c a packet of 100 seeds, but this season we have reduced price to 15 cents, and in addition to this we are offering **\$100.00 in Cash** prizes this year on them. Our large illustrated catalog describing the above and many other choice novelties will be sent free if you mention this paper. **IOWA SEED CO.**, Des Moines, Iowa.

Horticulture

Trees in Western Kansas.

Within the last two years land in Central and Western Kansas has advanced greatly in price. This is due to three principal causes, namely:

1. The pioneer settlers have learned how to farm that country and what to raise in order to insure a higher degree of success than had been reached in years gone by. During the last three years it seems there has been a more abundant rainfall in Western Kansas than had been common prior to that time. Added to this is the fact that land smuggling, and fencing Government lands into enormous pastures regardless of who owned and lived upon them, has about become a thing of the past. A shortage in rainfall is, however, quite likely and almost certain to prevail to a greater or less extent in the future. To guard against this, the new settler should use all diligence in the matter of setting out trees to serve as windbreaks, shade, and protection to stock and growing field crops. Thirty-two years ago, Rice County, where I have lived during the above-named period, was treeless except a small fringe of dwarfed timber along some of the streams, and that only in short strips. The prevailing winds swept the entire county unobstructed except by the few trees above referred to, and oats or wheat sowed in early spring were often blown out of the ground, especially on sandy bottom-lands. This state of affairs has been very materially changed, until the country is not like the Rice County of thirty years ago. Hundreds of miles of Osage hedges have been planted and cultivated, and many thousands of trees have been set out in the shape of both belts and groves. This has so modified the force of the winds that diversified farming is more uniformly successful and more pleasantly engaged in. These timber belts, groves and hedges afford untold amount of protection. Besides this, thousands of good hedge fenceposts and many cords of excellent fuel are annually obtained from them. What has been done in Rice and many other counties, can and must be done in these Western counties, and the sooner this fact is conceded and acted upon, the better it will be for all concerned. It will be a slow process at first, as all of us who settled in Rice County as pioneers, know; but as groves, belts and hedges grow up, they bring with them the conditions that favor, and they better adapt the country to the natural and healthful growth of timber. On bottom-lands set out cottonwood, walnut and catalpa trees. On upland Osage, honey locust and Russian mulberry. Every red cedar that can be had, should be set out and guarded with jealous care, for this tree will grow on any soil in Kansas, makes a good windbreak and about the home affords a splendid outdoor place for poultry to roost. I have two of these red cedar trees that chickens have roosted on for twenty years. The trees are still perfectly healthy, and fowls prefer them to all other places during the summer and fall months for roosting purposes.

Now is the time to begin to look for trees and tree seeds. If only a few can be set out on each farm each year, give them good cultivation, and water them well until they are well started. These hedges and timber-belts check the speed and force of the winds, thereby retarding the process of evaporation, and thus economizing the moisture afforded by the rainfall we get. While in Rice and many other counties very much good has been accomplished by tree-planting, much more yet remains to be done. Occasionally an unobserving and unthoughtful person is heard condemning tree- and hedge-planting on the ground that they shade the land for a few feet on either side, forgetting the great amount of profit afforded in fuel, protection to crops and stock, aside from economizing moisture. I am of the opinion that it would be wisdom on the part of our State Legislature, to grant a rebate on land tax in all cases where timber-belts and hedges are grown along section and half-section lines, all over our treeless prairies. In time it will be done whether encouraged by legislation or not; but it can be done much sooner if encouraged.

Windmills should be erected and set to pumping water to the surface on every tract of farm land under cultivation, thereby utilizing the enormous underflow of water that is doing no good now. An ordinary pump and ten-foot windmill wheel can be made to pump water sufficient to irrigate from one to three acres of land annually, and be the

means of growing many trees besides a vast amount of garden vegetables. Rice County. G. BOHRER.

Honey Locust—Celery.

EDITOR KANSAS FARMER:—Please answer the following questions in the KANSAS FARMER:

When and how should black locust and honey locust seeds be planted? Will frost injure celery? S. J. Osborne County.

Locust seed if planted in the spring should first be scalded with hot water near the boiling point, but if planted in the fall no such preparation is necessary. Drill the seed in rows three to three and one-half feet apart; firm the soil above the seed by patting with back of hoe, or otherwise as may be convenient, leaving them at the depth of about one-half inch. Select such ground as would grow good corn and have it as free from weed seeds as possible.

Celery will stand a sharp frost, say a temperature of 22°, but should not be handled while frozen. A degree of cold ten to fifteen above zero will destroy it. WALTER WELLHOUSE.

Fox Squirrels—Birds and Fruit.

EDITOR KANSAS FARMER:—We have plenty of what they call fox squirrels here. They are great on sweet corn when in the roasting-ear stage; they also help themselves to corn in the crib and take care of all the walnuts.

We also have many fruit-eating birds. They will not let a cherry or grape get ripe if they can help it. We have a good many rats here. I would rather feed rats on corn than feed birds on fruit. Now, if one is protected by law, why not protect all three? for one is as good as the other as far as usefulness is concerned. Our apples are nearly all wormy in spite of all the birds that are here. Do we not have a right to protect our crops, law or no law? B. REICHERT.

McPherson County.

There are many firms now selling seeds of all kinds, but few of them produce all of the seeds they sell. W. W. Vansant & Sons of Farragut, Ia., is one firm that is an exception to the rule. This firm owns its own farms and produces every grain of seed-corn that it sells. The members of the firm personally oversee the sorting and preparation of all of their seed for shipment. The man who buys seed-corn of W. W. Vansant & Sons may rest assured that he will get the best seed that can be produced and that which has been selected with the utmost care.

Red Cedar.

Editor Kansas Farmer:—I have some evergreen seed (I think they are Arbor Vitae), a sample of which I enclose, and wish to know if they are likely to grow, also the time to plant and if they need to be put in the ground and let freeze. They seem to be hardy here and if I can successfully raise them from seed, they will prove a good thing for this bleak prairie.

Gray County. S. E. BARTON.

The seed sent are from the red cedar. Arbor Vitae would hardly grow successfully in your neighborhood. These seeds, if planted in the spring, would grow, but are slow to germinate. If soaked in a lye of sufficient strength to remove the outer resinous covering, the length of time necessary for sprout-

Buy Your Trees Direct

WHOLESALE and save agents' commission of 40 per cent. **PRICES** We have direct connections with all points in Kansas, Missouri and the Southwest, and deliver all orders promptly and in good condition. Our stock is "True to name" and especially adapted to these localities. Write for wholesale price list. Wichita Nursery, Box B, Wichita, Kansas.

The World's Fair Prize Winning Corn
Just WON FIRST PREMIUM at the Corn Breeders State Show at Manhattan, also first on Farmers Int. White and second on Boone Co. White. Sample and catalog tells how to raise Corn every year FREE. **John D. Ziller, Hawatha, Kansas.** HE RAISES CORN.

World's Premium Seed Corn, HOWARD COUNTY WHITE

Awarded first and third premium at State Corn Show in St. Louis 1904, and gold medal at World's Fair in 1904. Has won all premiums wherever shown for the past six years. Hand nubbed and graded, making all grains uniform in size. For particulars address, **E. T. LONG, Fayette, Missouri.**

VICK'S GARDEN AND FLORAL GUIDE FREE

Contains many new Premium Offers. You should know about Vick's Violet King and Mikado Asters, now offered for the first time. Send ten cents and receive a packet of Vick's Branching Aster in Six Colors, and coupon good for 10 cents on purchase of \$1.00 or over from 1906 Guide. Send for the Catalogue anyway; it's free.

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For years we have sold the purest grass and clover seed to be found in this country. Our free catalogue contains a choice collection of vegetables and flower seed, with clear directions for cultivating each variety. **J. J. H. GREGORY & SON, Marblehead, Mass.**

GREGORY'S SEED CATALOGUE FOR 1906

High-Grade Flower Seeds.

20 Packages 10c. FOR

KINDS.	KINDS.	KINDS.
Bat. Button, 10	Poppy, 18	Portulaca, 20
10-Weeks Stock, 6	Candytuft, 10	Marigold, 15
Eschscholtzia, 6	Aster, 10	Pansy, 10
Sweet Alyssum, 8	Zinnia, 12	Sweet Pea, 10
Sweet William, 8	Balsam, 12	Pink, 10
	Larkspur, 6	Petunia, 10
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All of the above sent to any address, post-paid, for 25c, silver or six two-cent stamps. As a premium and to introduce our seeds into every household, we will also send a collection of fine beautiful bulbs FREE with Catalogue. **Somerville Nursery, Somerville, - MASS.**

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Graded or Grated ON APPROVAL

"Your money's worth or your money back." How would you like to have some Real Seed Corn?—the real pedigree kind?—selected and graded so it will drop 97 per cent correct in the ear crated, on approval and guaranteed to suit you or your money back? I grow it myself, store it in a modern seed house and select it carefully. Besides seed corn I sell all kinds of seed—garden seed, seed potatoes, flower seed, clover seed and they are all tested and guaranteed.

Send for my catalog. It's free, and I will add samples of garden and flower seeds and 10 kinds of seed corn, if you care to put up the postage for them. Write today.

HENRY FIELD, Seedsmen, Box 55, Shenandoah, Ia. "The Ear Seed Corn Man"

St. Jacobs Oil
for many, many years has cured and continues to cure
RHEUMATISM NEURALGIA LUMBAGO BACKACHE SCIATICA SPRAINS BRUISES SORENESS STIFFNESS FROST-BITES
Price, 25c. and 50c.

HEALTHY TREES Honest in quality. Grafted Apples, 40; Budded Cherries, 15c each; good varieties. Concord Grapes, 25 per 100; Black Locust and Red Mulberry, 10 per 100. We pay freight. Complete catalog free. Salisbury Nurseries, Box 32, Fairbury, Neb.

50 BULBS 25 Cents. Will grow in the house or out of doors. Hyacinths, Tulips, Gladioli, Crocuses, Fuchsias, Oxalis, Tuberoses, Begonia, Jonquils, Daffodils, Chinese Lily, Dewey Lily, Gloriosa, Lilies of the Valley—all postpaid, 25c. in stamps or coin. A premium with these Bulbs will send you a big collection of flower seeds—over 200 kinds. **HILLSIDE NURSERY, SOMERVILLE, MASS.**

SEED CORN IT ALWAYS PAYS to plant the BEST. Ratekin's "Fried of Nishna," yellow, "Iowa Silver Mine," and "Imperial," Three Best varieties in the world; Pure bred, thoroughly graded and always grows. Planted by thousands of farmers everywhere for quarter of Century. Earliest big eared corn in existence; won more prizes than all other sorts. It's guaranteed to please you. Change your seed and grow bigger yields: It's the kind that pays to plant. Our big fine illustrated Catalog of all Farm and Garden Seeds is FREE. Write for it today; a postal card will bring it to your door. Address: **RATEKIN'S SEED HOUSE, Shenandoah, Iowa.** (The largest Corn Seed Growers in the World.)

TREE PROTECTORS 75 cents per 100 85 per 1,000. As valuable in summer against sun-scorch, hot winds, etc., as they are in winter against cold and rabbits. Recommended by all leading Orchardists and Horticultural Societies. Send for samples and testimonials. Do not wait until rabbits and mice ruin your trees. Write us today. Wholesale Nursery Catalogue now ready. Send for copy. Agents wanted everywhere. **HART PIONEER NURSERIES, Box 17, FORT SCOTT, KANS.**

GOLDEN YELLOW CALLA LILY, 5 Bulbs. 50 KINDS FLOWER SEEDS 10c. Asters, Balsam, Canna, Calliopella, Nasturtium, Morning Glory, Pansy, Larkspur, Jobs Tears, Poppy, Golden Glow, Snapdragon, Cosmos, Pink, Zinnia, Verbena, Monkey Plant, Sweet Rocket, Primrose, Ice Plant, Petunia, Castor Oil Beans, Portulaca, Candytuft, Sweet Pea. **5 CHAMPION BULBS.** The Summer Hyacinth, Golden Lily, Humming Bird, Gladioli, Giant Tuberoses, Baby Breath Oxalis, all this beautiful collection of seeds and bulbs only 10c. in silver or 5c. in stamps to pay the cost of packing and postage. Order quick and be sure of this grand offer—only 10 cents. **CHARLESTOWN NURSERY, - CHARLESTOWN, MASS.**

The Children's Garden

Of course the children who read this advertisement are *Flower Lovers*, and wish a beautiful flower bed all their own. For the small sum of **Only 10c** we will send you a complete Flower Garden. 1 pkt. Pansy, over 40 colors and markings. 1 pkt. Pin's, all colors, single and double. 1 pkt. Bachelor Button, double, all colors. 1 pkt. Stocks, 10 weeks, double mixed. 1 pkt. Alyssum, sweet and fragrant. 1 pkt. Mignonette, sweet and fragrant. 1 pkt. Zinnia Elegans, finest double mixed. 7 Full Size Packets, lithographed in natural colors with full cultural directions on each packet. All fresh new crop seeds. This collection has been made up especially so as to secure the best effect for the least money, and will produce a gorgeous show of flowers the entire season.

35c VALUE FOR A GENUINE 10c BARGAIN made to introduce our seed to new customers. Including FREE copy of our Grand New **BOOK of Northern Grown Seeds, Plants, Bulbs, and Fruits**, containing all the good things for the garden and growing at the right prices. All for One Dime, cash or stamps. Satisfaction guaranteed or money back. Send today. **L. L. MAY & CO., St. Paul, Minn.**

PRESIDENT ROOSEVELT SAYS!

"There may be some place in the world equal to Puget Sound, but I don't know where it is." Best year-around climate in the United States. Fertile soil and immensely rich and varied resources.

Send 4c for finely illustrated 64 page free booklet on this wonderful section of the United States.

Chamber of Commerce, Everett, Wash.

ing would be shortened; otherwise some of the seed would not grow until the second year. If the seed be kept until fully dry, they lose their germinating power.

This tree is sometimes propagated from cuttings, taking new shoots growing from old wood. To get the very small trees growing from seed in the natural groves of cedar, plant them in nursery rows and cultivate until large enough to transplant where wanted permanently, would be best.

However raised, the small trees will need protection from the hot sun for at least the first year. Success in transplanting evergreens depends very much on keeping the roots always moist. **WALTER WELLHOUSE.**

The Teneriffe Canary grass is being introduced this year by the Iowa Seed Co., of Des Moines, Iowa, and feeling sure that our readers will be interested in this crop, we have made arrangements with them to mail a small sample of the seed to you free, if you mention this paper in your request, and they will also send with same directions for cultivating, and a copy of their large illustrated catalogue which describes many other choice novelties in farm, vegetable and flower seeds. Do not get this confused with other varieties of Phalaris which produce a similar grain but are inferior in productiveness and quality. If you are going to try it, insist on having the true Teneriffe Canary grass seed.

A Big Tomato.

Last year when Mr. J. R. Lawrence, the noted horticulturist and experimenter of Massachusetts, reported that he had grown one of the Majestic Tomatoes which weighed 5 1/2 pounds, we thought that surely the limit had been reached, as before the introduction of this grand new variety 2 1/2 to 3 pounds was considered the largest weight possible. During the past season \$100 in cash prizes was offered and all of the five prize-winners grew specimens weighing over 6 pounds each. Mrs. Amelia Cronin, of Akron, Iowa, has a



scheme for growing large specimens, which proved very successful and will undoubtedly be of interest to some of our readers. She says: "Enclosed find my report which is signed also by two witnesses who saw the big tomato weighed. I planted the Majestic tomato seed in February in a box of soil in the house, and when about two inches high, transplanted to another box. At proper season I set them out on a very rich piece of ground where a straw pile had been burned and the ashes raked in. The plants were watered every night and when about 18 inches high, I cut the tips off and by allowing only 2 or 3 fruits to ripen on some of the plants, I threw all the strength to these fruits. The largest specimen weighed 7 pounds 7 ounces, and there were several which weighed over 5 pounds each." Some plants of the Majestic tomato have produced 145 to 160 pounds of fruit. Just think what that kind of a crop would mean on an acre of land. They are of such large size and so productive that they are attracting general attention. This new variety is being introduced by the Iowa Seed Company of Des Moines, Iowa, who are again offering \$100 in cash prizes on them and we hope our readers will compete. Better write them to-day for a copy of their large illustrated catalogue of garden and farm seeds, which will be sent free if you mention this paper.

Premium Offer.

J. D. Ziller, Hiawatha, Kans., writes the Kansas Farmer as follows: "I have determined to make it an object for every progressive farmer to plant pure-bred seed-corn. Every purchaser of two bushels or more of any one of my four varieties of pure-bred seed-corn will be entitled to enter the contest, and to the one who has the largest yield of corn from one acre of ground, I will give one new Victor Corn Planter Drill and Check-rower complete, value \$45; ground to be measured and corn to be weighed. All orders for corn and entries must be in before March 1, 1906." Please mention the Kansas Farmer.

Great Rose Offer by One of Our Advertisers.

It is not often that a seed firm makes such a liberal offer as that of the A. A. Berry Seed Co., Clarinda, Iowa, found on page ... of our paper. They are sending to our readers a beautiful rose bush, a packet of vegetable seed and their fine seed book, all for 10 cents, which covers the cost of packing and postage. This firm is one of the big seed firms of the country and handles a very extensive line of field, garden and flower seeds. They are perfectly reliable and will make good. They are seed-growers—Mr. Berry, who has always been a farmer, still lives on a farm—and some of their warehouses are located on their extensive farms. Send to-day for their great offer.

SEED CORN--REID'S YELLOW DENT AND BOONE COUNTY WHITE

This is not elevator corn, but real seed corn. Hand selected, tested and thoroughly graded. Good as you would select yourself. Sent on approval. Sample and catalogue free. **Low Gap Seed Corn Farm, Arbela, Mo.**

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Pure Kansas Grown Seed. Crop of 1905. Also Cane and Millet, Macaroni Wheat and other Field Seeds in carload lots or less. Write for prices. **GARDEN CITY, KANSAS**

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T. LEE ADAMS, 417 Walnut St., Kansas City, Mo.

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FIELD, GARDEN, FLOWER EVERYTHING for the Farmer or Gardener. Planet Jr., Garden Tools, Seed Sowers, Bale Ties, Onion Sets, Large Stock Clover, Timothy Alfalfa, Millet, Cane, Kaffir Corn, Potatoes, Blue Grass, Orchard Grass. Write for FREE catalogue. **MISSOURI SEED CO., 1437 ST. LOUIS AVE., KANSAS CITY, MO.**

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Elegant FREE CATALOG ready NOW. Write for it. Biggest Stock Choice, Fresh, Tested SEEDS, for Farm, Field and Garden. Full line Flower and Tree SEEDS. We are Buyers of all kinds Field and Grass Seeds. Write to **KANSAS SEED HOUSE** Lawrence, Kans., or **COLORADO SEED HOUSE**, Denver, Colo., or **OKLAHOMA SEED HOUSE**, Oklahoma City, Okla.

La France Fruit and Plant Farm

F. W. DIXON, Prop., Holton, Kans.

Strawberry Plants that Pay to Plant: Our new catalogue is now ready to mail. It is a common sense treatise on growing strawberries and other small fruit in the West. We have a very choice lot of plants this season that are grown on new fields and are first class in every respect. Besides strawberry plants we grow large quantities of other small fruit plants. All the well known varieties of raspberry and also best varieties of blackberry plants. Large quantities of asparagus, rhubarb, etc. Write for our common sense catalogue. It is free. Address: **F. W. Dixon, Holton, Kans.**

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Every farmer should grow his own post timber. Get the true catalpa speciosa. We have it. We also offer fruit trees, shade trees, small fruits, grape vines, flowering shrubs, etc. Tell us what you want. We will make the price right. **PETERS & SKINNER, No. Topeka, Kans.**

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Everybody loves a tender, juicy radish. Send to-day and get free, our Great Bargain Seed Book and enough Radish Seed to keep you in luscious radishes all summer long. Or, if you prefer, we will send you sufficient grass seed to grow 5 tons of rich hay grass on your farm this summer and our Bargain Catalog, free for the asking. Our Bargain Catalog is a wonderful book, brim full of rare bargains at bargain prices of all kinds of Onion, Sweet Corn, Cucumber, Radishes, Lettuce, Tomatoes, etc., etc. and also a wonderful array of pedigree farm seeds as Oats, Wheat, Corn, Barley, Potatoes, Timothy, Grasses, Clovers, Alfalfa, etc., etc. Simply send us this notice, sign your name and address and the free package of Radish or Grass Seed as you select, together with this new interesting Bargain Catalog with all of its bargain offers, all of its bargain surprises in flowers, vegetables and farm seeds, all the valuable information showing our wonderfully low prices, all will be sent you by return mail postpaid. If you enclose 4c. we add a package of Cosmos—the most beautiful fashionable annual flower. **JOHN A. SALZER SEED CO., Look Box 56, La Crosse, Wis.**

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BE YOUR OWN DEALER AND GET OUR CATALOG. IT SHOWS YOU HOW TO SAVE MONEY

<p>\$9.98</p> <p>Our Departure is the best Tongueless Cultivator on the market. Direct hitch, spring draft bars. Guaranteed satisfactory. Complete \$9.98</p>	<p>PLOW SHARES</p> <p>\$1.50 Fitted Plow Shares for all the standard makes. Best quality, solid cast and crucible steel, already to bolt on, \$1.50 to \$2.00 each. See Catalog.</p>	<p>"Perfection" Cultivator, high steel arch, perfect adjustment, the best value for the money ever offered, only \$12.10</p>
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POULTRY BREEDERS' DIRECTORY

VANNATTA'S SINGLE COMB WHITE LEGHORNS—Great layers. Won \$100 Cash at World's Fair. Eggs for hatching. Catalogue free. E. E. Vannatta, Vandalla, Mo.

BUFF COCHINS—25 rich colored, heavy feathered cockerels and pullets, half price. Eggs \$2 per 15; \$3.50 per 30. Imperial Pekin drakes \$1 each. H. A. Thomas, Scranton, Kas.

BARRED AND WHITE ROCK EGGS for hatching from choice birds; farm raised. White Rock eggs, 15 for \$1; 30 for \$1.85; 45 for \$2.65. Barred Rock eggs, 15 for 75 cents; 30 for \$1.45; 45 for \$2.10. D. S. Thompson, Welda, Kans.

FOR SALE—White Plymouth Rock cockerels from high-scoring birds, and a few hens and pullets. Eggs for sale at reasonable price. Mrs. M. Luse, Nortonville, Kans.

MY R. I. REDS won seven prizes on eight entries at Kansas City. Circular. H. C. Kellerman, 3516 Swart Ave., Kansas City, Mo.

S. C. B. LEGHORNS—Some choice cockerels for sale, \$1 each. Eggs in season. Mrs. L. C. Peterson, Route 1, Osage City, Kans.

WHITE WYANDOTTE COCKERELS for sale; from prize-winning stock. Orders for eggs taken now. \$1.50 per 15. Mrs. John W. Smith, Lawrence, Kans.

WHITE WYANDOTTE EGGS for sale; \$1.50 per 15. Only breed of birds kept. Mrs. John W. Smith, Lawrence, Kans.

PURE-BRED Barred Plymouth Rocks at reasonable prices. J. A. Sawhill, Edgerton, Kans.

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BLACK LANGSHANS—My entire flock for sale cheap. Prize-winners. Eggs, \$1 per 15. O. S. Allen, 1629 W. 4th, Topeka, Kans.

CHOICE B. P. ROCK cockerels and pullets. Collie pups; send for circular. W. B. Williams, Stella, Neb.

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FOR SALE—Exhibition S. C. Black Minorca cockerels, \$2. I guarantee them. Address George Kern, 817 Osage street, Leavenworth, Kans.

STANDARD BRED SINGLE COMB BUFF LEGHORNS—Bred by first prize pen Chicago show 1905 and took six first prizes and first pen at Newton 1904. Eggs \$2 for 15. S. Perkins, 801 East First Street, Newton, Kans.

S. C. W. Leghorns and Buff Rocks. Winners at State Fairs. Eggs \$1 per sitting. J. W. Cook, Route 2, Hutchinson, Kans.

TO GIVE AWAY—50 Buff Orpingtons and 50 Buff Leghorns to Shawnee county farmers. Will buy the chicks and eggs. Write me. W. H. Maxwell, 921 Topeka Ave., Topeka, Kans.

BARRED AND WHITE PLYMOUTH ROCK eggs, \$2 per 15, \$5 per 45. Hawkins and Bradley strains, scoring 93% to 94%. Mr. and Mrs. Chris Bearman, Ottawa, Kans.

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FOR SALE—S. C. B. Leghorn cockerels, pure-bred, farm raised, "vigorous" from high scoring stock; \$1 each, f. o. b. Address T. D. Marshall, Modoc, Kans.

BARRED ROCKS EXCLUSIVELY—Left of strain. Large, heavy boned, fine, clear; Barry's first-class birds, \$1 to \$5 each. Satisfaction guaranteed. Write for catalog to Lawndale Poultry Yards John D. Ziller, Flawatha, Kans.

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S. C. B. LEGHORNS—Closing out sale of my entire flock of hens, cocks and cockerels. A bargain come quick. J. A. Kauffman, Abilene, Kansas

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WHITE WYANDOTTE COCKERELS, (Stay White) \$1 to \$5 each. Eggs, \$1.50 per 15. S. W. Artz, Larned, Kans.

MAMMOTH Bronze Turkeys, Silver Laced Wyandotte cockerels for sale. Address Francis Long Madison, Kans.

AMERICA'S CENTRAL POULTRY PLANT can furnish strictly pure Black Buff, Black and White Langshans, Buff Orpingtons and Light Brahmas. Write early and get your choice. J. A. Lovette, Prop., Mullinville, Kans.

MAMMOTH BRONZE TURKEYS for sale. Inquire of Mrs. T. M. Fleming, Fontana, Kans.

SINGLE COMB WHITE LEGHORN cockerels \$1 each; two or more 50 cents each. Fine white pure, thoroughbred birds. Also a few Barred Plymouth Rocks, barred to the skin, fine, pure and vigorous; hens, cockerels, cocks and pullets, \$1 each; two or more, 80 cents each. All of our customers are very well pleased. We will make reductions on large lots. Meadow Poultry Farm, Coulterville, Ill.

FOR SALE—150 B. P. R. and W. P. R. cockerels and pullets; strong, vigorous, cockerels, \$2 to \$5; pullets, \$1 to \$2.50. Exhibition cockerels matter of correspondence. Mr. and Mrs. Chris Bearman Ottawa, Kans.

BROWN CHINA GEESE, Indian Runner Ducks also Barred Rock Cockerels. Prize winners at State Poultry Show. O. C. Sechrist, Meriden, Kansas

The Poultry Yard

A Few Figures on Poultry and Eggs.

We give the figures for four years as found in the Year Book of the Department of Agriculture for 1904. Going through these figures and getting an average, we find the average wholesale price for eggs in Chicago, for the year 1900 was 14½ cents; for 1901, 16 cents; for 1902, 20 cents; for 1903, 17 cents; for 1904, 20½ cents. With the single exception of 1903, every year has shown a decided increase in the average price, and 1904 made up for this by showing a better average than any previous year.

Probably the most potent factor in keeping up the price of summer eggs is the increased capacity of cold storage houses, where thousands upon thousands of cases of eggs are stored from March until winter. Competition among speculators keeps prices above what they would otherwise be. It is claimed that cold storage keeps the price of eggs down in winter. This may be true to a certain extent, but as a large portion of the hens of the country do not lay in winter the price of fresh eggs in winter is bound to be high enough always. The cold storage speculators buy when eggs are cheap and when the price would be very low if they were not in the market. They secure to those people who would never get eggs in winter a price at least five cents in excess of the price they would receive under the old order of things. On the whole, cold storage is beneficial and has been the means of making the production of eggs more profitable.

Another reason for increasing prices is that the supply does not keep pace with the demand. There has been no glut in the egg market of late years. A largely increasing population creates a larger demand for eggs. And then, too, the people who live in cities and towns understand that eggs are cheaper than meat, and use them largely in substitute for that commodity. And the people who produce the eggs use more of them. Every condition which has made the price of eggs and poultry as meat high in the past, promises to continue long in the future, making the prospects for poultry and eggs better than ever before.—F. W. Brooke in The Gleaner.

Poultry Notes.

N. J. SHEPHERD, ELDON, MO.

A good layer ought never to be sacrificed as long as she can be used for breeding purposes, and the selection of such hens as breeders would soon result in the improvement of any stock.

Exercise such as a good forage ground affords a flock of poultry is a great health promoter, and the lack of forage ground, causing the feeding of the flock to excess, soon has a tendency to bring on many ailments among the flock.

Ducks often commence to lay when six months old and the eggs from such ducks will hatch; and while it is often the case that good results are obtained from young breeding ducks, yet it is best to use drakes that are one year old with them, allowing one drake to every five or six ducks.

The great trouble in raising young turkeys is in the first few weeks of their lives. As a rule they are overfed while young with food not adapted to them, and not kept warm and dry, but allowed to get wet and chilled. Keep them in a pen or small yard with good shelter convenient so as to be protected from chills; feed regularly, but be careful not to overfeed.

The objection to using corn as an exclusive feed for poultry is that it is deficient in lime, and contains an excess of carbon, which promotes the laying on of fat, which is not favorable to egg-production. Corn can nearly always be fed at night to advantage, and especially during the winter; but one other kind of grain or food should be given in the morning and at noon.

One ounce of crude carbolic acid dissolved in a quart of water is not expensive and can be used freely. A teaspoonful of this solution put in every gallon of the drinking water will prevent many diseases due to contamination of the water and especially so when the sick fowls are compelled to drink from the same source as the others. It is an excellent remedy for roup, and when used in the whitewash or sprinkled in the pens it is a good disinfectant.

It takes a certain amount of food to keep the animal machine running and the profit comes in according to the supply of food permitted over and

POULTRY BREEDERS' DIRECTORY

LOW PRICES on bone-cutters, clover cutters, sardines, grit, mortars and poultry supplies. Free supply catalogue. Address manufacturer, Humphrey, Yale Street, Joliet, Ill.

MAMMOTH BRONZE TURKEYS FOR SALE—Young toms and pullets, healthy and well-bred stock. Inspection and correspondence invited. Address J. E. Miller, Burdette, Kans.

LIGHT BRAHMAS More prizes than any breeder in the state; 10 firsts this season. Eggs, \$1.50. Cockerels, \$2 to \$4. T. F. Weaver. Blue Mound, Kansas

C. W. LEIGHTON Breeder of Black and White Langshans A few more cockerels for sale including winner of 4th prize at State Show Jan. 1906. Eggs, \$1.50 per 15; from 3 high-scoring pens.

Barred Plymouth Rocks Exclusively—"Superior Winter Laying Strain," noted for size and quality. Seventeen years of careful breeding. Eggs, 15 for \$1; 30 for \$1.50. E. J. EVANS, Route 4, Fort Scott, Kans.

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Bred by John Shank, New Cambria, Kansas Stock and eggs for sale. Eggs, \$2 per 15.

R. C. Rhode Island Reds

Winner at the 1906 Kansas State Poultry Show of 1 and 2 prizes on cock, cockerel and pen, 1, 2 and 4 on hen, and 4 on pullet. Twenty-five cockerels for sale; also six choice White Plymouth Rock cockerels. Write for prices. A. D. WILLEMS, Inman, Kans.

Fancy Black Langshans

G. C. MILLER, Breeder. Stock for sale. Fifteen eggs for \$2. Address 546 Missouri St., LAWRENCE, KANS.

AMERICA'S CENTRAL POULTRY PLANT

Can furnish strictly pure-bred Buff, Black and White Langshans, Buff Orpingtons, Buff Leghorns, Bronze turkeys and Toulouse Geese. Write quick. J. A. LOVETT, Prop., Route 1, MULLINVILLE, KANS.

S. C. RHODE ISLAND REDS

Winner at 1906 Kansas State Poultry Show—1, 2, 3, 4, 5 pen; 1, 2, 3, 4, 5 hen; 2, 3, 4, 5 pullet; 2, 4, 5 cockerel. Young cockerels for sale. Eggs, \$1.50 to \$2.50 for 15, from high-scoring pens. R. B. Steele, Sta. B. Topeka, Kans.

FOR SALE.

15 varieties pure-bred chickens, ducks, geese and turkeys. Fowls and eggs at low prices. Write for catalogue. H. H. HINKER, Mankato, Kans., R. R. 4.

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Bronze turkeys. Show Champion, Topeka and St. Joseph, winning ten 1sts, three 2nds, two 3ds prizes; only 7 birds entered. Barred Rocks, 1st, 3d hen, Topeka, 93%, 92%, 5th cock 90%; 4th pen St. Joseph, 2d hen 92%, 3d cock 91, own 2d cockerel, 93%, Eggs, \$3 per 15; \$5 per 30. M. B. Turkey eggs, \$1 each. Cockerels for sale. Pullet breeders specialty. Mrs. W. B. Popham, R. F. D., Chillicothe, Mo.

SAVE YOUR CHICKS.

Use the Itamar Mite and Lice Killer, a mite and lice destroyer. Guaranteed to kill mites and lice if properly used. If not satisfied return bottle and label and money will be refunded.

CHAS. E. MOHR, Glendale Park, Hutchinson, Kans.

At Topeka 1906

Our Buff P. Rocks won all shape and color prizes awarded. Our first prize pullet scored 94 (cut 1 for injured eye). Our winning Houdans, White Plymouth Rocks, and White Plymouth Rocks, and White Wyandottes, are the same quality. We have very fine S. C. B. Leghorns. Judge Helmlich cut our White Rock cock 4 of a point for color of entire bird. Eggs from pens we hatch from \$2 per 15; \$3 per 100. Standard Poultry Yards, Abilene, Kans.

INCUBATOR EGGS

From high grade White Rocks and White Wyandottes.

\$3.00 for 50, \$5.00 per 100 SEND FOR CIRCULAR.

W. L. BATES, Topeka, Kans.

White Plymouth Rocks

EXCLUSIVELY.

Good for Eggs, Good to Eat, and Good to Look at W. P. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 289 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 94 to 96%, and as good as can be found anywhere. Eggs only \$2 per 15; \$5 per 45, and I prepay expressage to any express office in the United States. Yards at residence, adjoining Washburn College. Address THOMAS OWEN, Sta. B. Topeka, Kansas

VESPER'S POULTRY YARDS.

Hedgewood Place. Ind. Phone 6513.

TOPEKA, KANSAS

Breeders of

Barred Plymouth Rocks.

Exhibition stock a specialty. 200 pullets and cockerels for sale. Orders booked for eggs. \$2 per 15 from breeding pens; others \$5 per 100.

Our Yards are Headed by Winners as Follows:

1st cockerel, Topeka poultry show. 3d pullet, Topeka poultry show. 1st pullet, Kansas City poultry show. 1st cockerel, Parsons poultry show. 1st and 5th cock, 1905.

POULTRY BREEDERS' DIRECTORY

Light Brahma Chickens Choice pure bred cockerels for sale. Write or call on Chas. Foster & Son, Eldorado, Kan. Route 4

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WHITE PLYMOUTH ROCK EGGS for sitting—Fine stock; farm raised. Price, \$1 for 15; special price by the hundred. Shipped by express, carefully packed, anywhere. Mrs. O. E. Walker, Route 8, Topeka, Kans.

Buff Orpingtons

and Buff Leghorns

Cockerels for sale. Eggs in season, \$2 per 15, and infertile eggs replaced. Also breeder of squabs. Write for further information and price list to

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Rose and Single Comb White Leghorns and White Wyandottes

IN ALL THEIR PURITY

Unsurpassed in every respect for beauty, utility and winter layers. At State show the largest in the United States, just held at Topeka, Kans., 28 prizes were awarded me. Write for my catalogue, giving prizes on stock and eggs.

W. S. YOUNG, McPherson, Kans. When writing mention this paper.

YOUNG STOCK.

A fine lot of White Plymouth Rock cockerels and pullets and White Wyandotte cockerels from our prize-winning strains for sale at attractive prices.

W. L. BATES, Topeka, Kansas.

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DES MOINES INCUBATOR COMPANY, Des Moines, Iowa.



THE Victor Book

Is FREE for the asking. Drop us a postal today and learn the difference between the ERTL machine and the cheap kind. The Book tells facts you ought to know if you are thinking of an incubator investment. There's money in chicken raising—big profits in ducks—large returns on incubator hatched turkeys. Let us start you right. Don't waste eggs, oil, and time on a poor machine. Get the benefit of our 30 years' experience. Profit by the successful methods of others as described in our book. Write for it today. Geo. Ertel Co., Quincy, Ill.



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Barred Plymouth Rocks, White Plymouth Rocks, Buff

Cochins, Partridge Cochins, Light Brahmas, Black Langshans, Silver Wyandottes, White Wyandottes, Silver Spangled Hamburgs, Brown Leghorns, First-class Standard Stock of Superior Quality. Stock For Sale. Eggs in Season. Write Your Wants. Circular Free.

A. H. DUFF, Larned, Kans.

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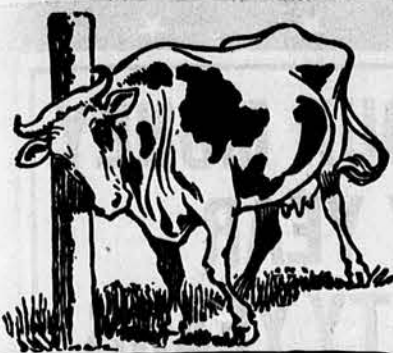
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The Louse Question

When your animals rub incessantly at this season of the year, look out for lice. This is especially true of calves and colts. To meet this condition Dr. Hess (M.D., D.V.S.) formulated the famous Instant Louse Killer, which kills lice on stock and poultry.

INSTANT LOUSE KILLER

Kills ticks on sheep. It being a powder, can be applied in zero weather. Do not wait for warm weather; do not let the tick eat up your profits; kill him on the spot with Instant Louse Killer. Put up in round cans with perforated top, full pound 25 cts. Sold on a positive written guarantee. Be sure of the word "Instant" on the can; there are 25 imitations.

1 lb. 25c { Except in Canada
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We want to send you the "Old Trusty" Book. You ought to read it before buying an incubator, because it has more every-day "chicken sense" in it than any catalog you have ever seen. 300 good pictures. It tells why "Old Trusty" does such good work—why it hatches so many and so good chicks—why it is so easy to operate—why it is so economical. It's sold on 40, 60 or 90 days trial, freight prepaid. Write to us.
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When well cared for and well fed, is because they need waking up to start egg production. This comes naturally in the spring—the natural mating season. In winter you have to give something to stimulate them. Without this they are stupid, lazy and dull. Mix **SECURITY POULTRY FOOD** in their rations. It will give them life and activity and shortly your hens will be laying. Don't wonder why they don't lay, but get Security Poultry Food from our dealer in your town and feed it.

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SECURITY STOCK FOOD CO., Minneapolis, Minn.

above the amount necessary to keep them in good condition. On the other hand, there is a point where the right kind of food may be fed unprofitably and an overplus of fat produced; fowls so fed become inactive, and the eggs will not hatch well, neither will chicks come out with sufficient vigor to make them easily brought up.

Poultry Show Notes.

W. H. Maxwell of Topeka had a very fine exhibit of Buff Orpingtons and Buff Leghorns at the show. The birds were among the best and he was awarded many premiums. Mr. Maxwell is also an extensive breeder of squabs.

The display of Brown China Geese by O. C. Sechrist of Meriden, Kansas, was one of the interesting features of the State Poultry Show. "When we commenced raising them," said Mr. Sechrist, "we, like most farmers, were afraid we would not like them, but we soon found that they had been slandered. They are not vicious or quarrelsome with other poultry. They are easy to raise and lay more eggs than any other variety. Their flesh is not oily or soft, but is firm and gamey in flavor. In my opinion no other goose is as handsome in the show room."

The White Holland turkeys exhibited by Miss Lillian Schaal of Lexington, Mo., attracted a large crowd of spectators at all times during the show. Several of her birds exhibited were prize-winners at the St. Louis World's Fair.

B. F. Young, of McPherson, is one of those pleasant gentlemen who help always to make the poultry show a successful as well as an enjoyable event. He is a breeder of White Leghorns and had the largest individual poultry exhibit at the meeting. He always succeeds in carrying away his share of ribbons.

Mrs. W. P. Popham of Chillicothe, Mo., carried away many prizes during the show. Her exhibit of Acme strain of Bronze turkeys was very fine, and she impresses every one whom she meets with the fact that she understands the poultry business thoroughly.

A Free Book Worth Having.

There is a free book called "How to Save One Half" sent out by the H. M. Sheer Co., Quincy, Ill., that tells exactly how to construct high-grade incubators and brooders from the very first mark of the pencil up to the adjusting of the regulator preparatory to setting the eggs. Every detail of construction is shown clearly in a series of over eighty half-tone photos arranged in the order of each consecutive operation.

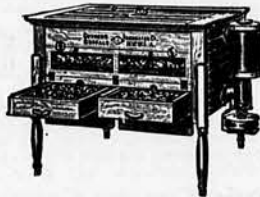


This book is especially valuable to "Beginners" and tells them how to avoid mistakes and failures in hatching eggs artificially by selecting reliable apparatus. It is a condensed encyclopedia for every poultryman, big, little, amateur, or the "old hand."

This book also explains the life-work of Mr. Sheer, the well known incubator specialist, inventor of the Acme Automatic Lamps, and Acme Automatic Regulators and Thermostat. He has spent eighteen years in perfecting these and other incubator and brooder appliances, until he is now a recognized authority in this country and abroad.

Incubator users, provoked by the cranky actions of their regulators on lamps, should not consign their machines to the scrap heap. Write for this catalogue and see how many a man has saved his incubator and got big hatches by following Mr. Sheer's advice.

At the Louisiana Purchase Exposition the jury of awards, in giving the highest honors to the Cyphers Incubator, called it a "perfect incubator." Even before this jury had an opportunity to pass upon its merits the Cyphers was considered the standard after which



others might pattern. With such a reputation in the minds of the people its future seemed assured without any effort on the part of the manufacturers toward improvement. Much surprise was felt and a great deal of curiosity aroused when the manufacturers announced that, as the result of their past experience and their inventive genius, the Cyphers Incubator for 1906 would contain no less than 18 distinct points of improvement over that of 1905. These have all been kept secret until the manufacturers were ready to place the 1906 model on the market. Now they are all explained in the new catalogue which is a book of 222 pages and every one of them of value. Your local dealer can show you these 18 points of improvement but it is better to have the catalogue also. It is free to readers of the Kansas Farmer.

DON'T SEND EAST for your Single Comb Brown Leghorns. In four shows this season I have won 15 out of 19 blue ribbons competed for, and in three of these shows have had highest scoring bird in the show. Scores as high as 95% by Owen and Atherton and 94% by Rhodes. Stock for sale. Eggs \$1 for 13; \$6 for 100.
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Belle City Incubator Company, Box 18, Racine, Wisconsin.

A Remarkable

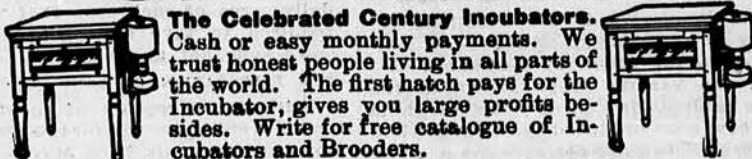
Incubator Book

A man who has devoted 24 years to perfecting incubators has written a book. It tells all that he learned by hundreds of tests with different incubators in his hatchery. It tells in a fascinating way just the facts you should know before buying. We send the book free because the man who writes it is the man who has made the Racine Incubators and Brooders. He shows them as they are today, and tells why you should have one. No one can read this book without wanting this man's machine. Write today. We Pay the Freight.

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It contains facts worth money to every poultry raiser. The information it includes will put dollars in your pocket. It tells the best ways to hatch, feed, raise and market poultry. Its 100 pages are filled with illustrations, Poultry House plans, and figures that mean a lot to you. A post card with your name and address brings it. Remember, no ordinary mail order house can offer you an incubator like the Sure Hatch at any price. And no dealer can sell you anything as good, no matter how much he charges. Write us today.

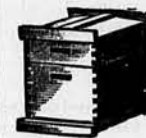
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MACHINE OIL \$3.50 A BARREL

You will find it a better machine oil than anything you have been buying for 35 cents to 45 cents per gallon. Premium Oil is a natural oil, greenish black in color. There is no made oil that is superior to Premium Oil for engines, shafting, shops, elevators, thrashing machines and farm machinery. It will not GUM, has good body, is not affected by hot and cold weather as most oils are. If a farmer, you say you won't need as much as a barrel. Get your neighbor to take half of it. But remember \$3.50 for a 50-gallon barrel, and the empty barrel is worth at least one dollar; gives you oil at less than 6 cents per gallon at your railroad station. If within 300 miles in Kansas freight will not be over 75 cents per barrel. Sample sent on request.

T. C. DAVIS, Benedict, Kans.

Benedict, Kans., August 26, 1905. I have this day sold my interest in K. C. Dailey & Co. to T. C. Davis, who will hereafter conduct the business in his name. Signed, **K. C. DAILEY.**

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Sharples TUBULAR CREAM SEPARATORS

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Tubulars are regular crowbars—get right under the trouble. Get the cream—raise the quantity of butter—start a fortune for the owner. Write for catalog U-165

THE SHARPLES SEPARATOR CO.
WEST CHESTER, PA.
TORONTO, CAN. CHICAGO, ILL.

Dairy Interests

Alfalfa and Other Soiling Crops.

The Pennsylvania State College reports on experiments with several soiling crops the following summary:

Of the various crops grown in the tests made during three years, sorghum and cow-peas produced the largest yield of green substance per acre. As a green forage, this crop was most satisfactory; the cows ate it well and, everything considered, it proved a most satisfactory soiling crop, particularly, as it can be grown after a crop of rye or of oats and peas has been removed.

Alfalfa produced the greatest weight of air-dry substance per acre. As a green forage, this crop was entirely satisfactory, and is recommended wherever alfalfa can be grown successfully.

Alfalfa produced the largest weight of protein per acre of any crop, even larger than the combined crops of red ripper cow-peas and peas and oats, which were grown on one plot during the season.

Corn, as a single crop, ranks second in the production of air-dry matter per acre. If, however, sorghum, cow-peas and rye are combined, as these two were grown on the same land during the same season, they would rank first; alfalfa, second; corn, third.

Sorghum and cow-peas, as a single crop, was entirely satisfactory. This combination gave a large yield of nitrogenous food which the cows consumed with much relish. From a feeder's standpoint, few objections could be made to this crop.

Canada field-peas and oats make most satisfactory soiling crops. They are among the earliest crops to ripen and are consumed by cattle with relish. If larger amounts are grown than are required in soiling, this crop may be readily cured into a fine quality of hay which will make a good substitute for, and in many instances will equal, prime clover hay. A satisfactory crop of cow-peas may be grown on the same land after this crop has been removed.

While flat peas produce large yields of nitrogenous soiling crops, yet they are not recommended; first, on account of the difficulty in establishing the crop; second, the crop is not relished by cattle; third, there appears to be

cost of a ration might be reduced to a minimum by producing on the farm a considerable proportion of the protein required, thus diminishing the expenditure for protein in the form of concentrates.

This test includes not only the production of the various crops, both as to quantity and quality, but the feeding of them to dairy cattle and their effect on milk and butter production as well. This test may be considered a continuation of similar tests that were made during the seasons of 1902 and 1903. The results of the former tests have already been published, that of 1902 being described in Bulletin No. 65, and that of 1903 in the Annual Report for 1903-1904. The test described in these pages was made with the following crops, which were fed to five cows:

Flat peas; peas and oats (three sowings); peas and barley; clover silage; cow-peas and milo maize; black cow-peas; red ripper cow-peas.

Some of the objects in making these tests were to determine, as far as possible:

Yield of green forage per acre of the different crops; yield of dry matter per acre; yield of protein per acre; length of time from sowing to feeding; amount of forage produced per acre during the season; effect of the different crops upon the milk-production; amount of various crops the cows would consume daily; area of each crop that would be required to give a stated number of cows sufficient green forage.

THE PREPARATION OF LAND AND SEEDING.

With the exception of the flat peas and clover silage, the forage crops were sown at intervals from May 5 to June 25. These crops were sown on comparatively small plots, but with an ordinary field grain drill. The land in all cases was plowed and harrowed sufficiently to make a good seed-bed. Such preparation was given as would have been considered good preparation for ordinary spring grain. In brief, the crops were sown under what would have been called good field condition.

May 5: A plot was sowed to Canada field peas and oats. The peas were sown first and drilled in at the rate of seven pecks per acre. When sowing the peas the drill was set as deep as possible. After sowing the peas the oats were sown with the same drill, the drill being set to sow more shallow. The oats were sown shallow enough so that very few of the peas were disturbed when sowing the oats. In order to secure good germination it is desirable to sow the peas deep, unless the seeding can be made early in the spring.

May 16: A second sowing of peas and oats was made in the same manner as described under date of May 5.

May 21: The last seeding of peas and oats was made as were the former seedings, and peas and barley were sown in the same manner as peas and oats described under date of May 5.

June 11: A plot was sown to cow-peas and milo maize. Two sowings were made. When sowing the milo maize the drill was set to sow four pecks of wheat per acre, and when sowing the cow-peas the drill was set to sow seven pecks per acre.

June 25: A plot was sown to black cow-peas at the rate of two bushels per acre.

TOTAL YIELDS.

Table I gives the date of sowing, the date of harvesting and yield per acre of both green substance and air-dry matter of the different soiling crops tested in 1904.

TABLE I—YIELDS OF SOILING CROPS.

Crop	Date of Sowing	Date of Harvesting	Yield per acre.	
			Green Substance Pounds.	Air-Dry Substance Pounds.
Flat peas.....	May 5	June 17—June 28	10,004	1861
Peas and oats.....	May 16	June 29—July 11	27,671	3929
Peas and oats.....	May 21	July 12—July 22	18,137	2938
Peas and oats.....	May 21	July 22—July 25	22,773	3120
Peas and barley.....	May 21	July 26—Aug. 2	19,415	3436
Flat peas.....	Aug. 3—Aug. 12	Aug. 3—Aug. 12	11,782	2344
Clover silage.....				
Cow-peas and milo maize.....	June 11-29	Aug. 29—Sept. 6	18,083	3707
Black cow-peas.....	June 25	Sept. 7—Sept. 22	18,251	3705
Red ripper cow-peas.....	June 25	Sept. 22—Sept. 25	11,117	2590

danger of tainting the milk. In some instances, however, this seems to have been entirely avoided.

Rape is not recommended as a soiling crop. While it may produce a large quantity of succulent forage, yet cattle do not eat it well and it may impart an objectionable flavor to the milk.

From the trials made, cow-peas are to be preferred to soy-beans.

During the season of 1904, a test was made of various soiling crops for the purpose of determining a practical succession of crops that could be used satisfactorily for soiling purposes. Considerable stress was laid on the production of leguminous forage crops, in order that in the economy of feeding the

From this table it will be readily seen that peas and oats give the largest yield of green substance and also of air-dry matter. While it is true that the two cuttings of flat peas produced a considerably greater yield of air-dry matter than either of the other crops, yet it should be remembered that the cow-peas followed the peas and oats, and the combined yield of these two would represent the yield per acre during the season, as in the case in the two cuttings of the flat peas. This subject, however, is given fuller discussion in another paragraph.

Peas and oats gave the largest production of a single cutting, this being nearly two tons (2,880 lbs.) of air-dry

100% ON YOUR MONEY EVERY YEAR FOR TWENTY YEARS

This is the marvelously good investment that more than 700,000 users have actually found the DE LAVAL CREAM SEPARATOR to be.

With the average number of cows a DE LAVAL machine saves and earns its whole cost the first year, which it continues to do yearly for its established life of fully twenty years more to come.

There surely isn't another such investment, either on the farm or off it, open to any one having cream to separate. Why delay making it?

As for the first cost, if you have the ready cash of course there is a fair discount for it, but if not any reputable buyer may secure a DE LAVAL machine on such liberal terms that the machine is actually free of cost for it will earn its cost and more while you are paying for it.

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Under this banner we have established an enormous business.

Through a continuation of this policy, we expect to increase our business each month.

A cordial welcome awaits every enterprising milk-producer, who appreciates having his product handled economically so as to get the greatest returns and that in Cash.

It's a pleasure to answer letters. Will be glad to hear from you.

Very respectfully,

BLUE VALLEY CREAMERY CO.,
ST. JOSEPH, MISSOURI.

Save 20% to 50% By buying a DAVIS Separator

It comes direct from the factory

Factory prices. No middlemen's profits. Investigate our fair selling plan.

It's the low-down separator (just belt high) that has a three-piece bowl that can never get out of balance. In all the separator world there is nothing to equal the Davis for convenience, for nice, close skimming, for easy running and easy cleaning. Don't buy without having our money-saving Catalog No. 125. It's free. Write for it to-day.

Davis Cream Separator Co., 54-0 North Clinton Street, CHICAGO, ILLINOIS.

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The school that educates you for business success and that always gets you a good position. Students enroll at any time. Work for board if you wish while attending school. Competent persons always in demand at good salaries. 104-page catalogue free—mention this paper.

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substance per acre. While the flat peas produced relatively a larger amount of air-dry substance than the total weight of green substance than the other crops, yet, for various reasons, this crop is not so desirable as a forage crop as some of the leguminous annuals. As the flat pea is a perennial, it required more or less cultivation each year to keep the land free from grass and weeds. It is also inclined to grow in broad rows or to occupy a large part of the land, and, consequently, cultivation is difficult. These, together with the difficulty of securing good germination, are sufficient objections to make this crop unpopular with many farmers. While the flat pea as a protein-producing crop has much to recommend it, yet the reasons just stated and the fact that it is not particularly relished by dairy cattle are sufficient to at least place this crop among the questionable forage crops for soiling purposes.

The following table (Table 2) gives the weight of green substance, the weight of air-dry substance and the weight of protein per acre produced by the various crops for the three years during which these tests were made. When tests for more than one year have been made, averages only are given:

TABLE 2—YIELDS OF SOILING CROPS.

Crop.	Number of Years	Weight per Acre—Pounds		
		Green Substance	Air-Dry Substance	Protein
Alfalfa.....	1	25,436	6555	1145.30
Clover.....	1	9,072	2676
Clover and timothy.....	1	6,878	2319	260.89
Corn.....	1	22,360	5456	405.79
Cow-peas (Whippoorwill).....	2	17,554	3402	447.98
Cow-peas (black).....	1	18,251	3705	467.00
Cow-peas (red ripper).....	1	11,117	2590	474.00
Cow-peas and milo maize.....	1	18,083	3701	451.90
Flat peas.....	2	17,700	2862	310.86
Peas and oats (8 trials).....	3	18,623	3436	530.00
Peas and barley.....	1	19,415	4071	509.55
Rape.....	2	29,055	3406	272.00
Rye.....	1	11,930	2505	317.36
Soy-beans.....	2	11,723	4337	360.51
Sorghum.....	1	27,279	5439	397.39
Sorghum and cow-peas.....	2	31,018

From the above table it will be seen that alfalfa produced the greatest yield of air-dry substance per acre and also the largest yield of protein. When we consider, however, that cow-peas grew on the same land that produced the peas and oats and peas and barley, we see that about the same yield of green substance was produced per acre by the two crops that was produced by the three cuttings of alfalfa, and that the two crops produced almost as much protein.

Who Stole the Butter?

A farmer owned a herd of milch cows that yielded him an average of 400 pounds (about 200 quarts) of milk per day. It was average milk, being 4 per cent butter-fat. In other words, the 400 pounds of milk his cows gave him daily contained 16 pounds of butter-fat. This farmer had had his milk tested, and knew it contained that amount of butter-fat. He churned every three days and knew the cream from three days' milk should yield 48 pounds of unsalted butter. But it didn't. Instead of getting 48 pounds, he rarely got more than 25 or 26.

Who was getting that cream?

His wife thought that somebody might be stealing it, so he put a lock on the milk-house door. That didn't help matters any.

He was puzzled.

He had a first-class milk-house, used the best system of deep setting, and couldn't see where that cream went. He let his milk stand until almost sour before he skimmed it, thinking it might cream better. But that didn't mend matters any—simply spoiled the skimmed milk for calf feed. Up to that time he had thought he had a perfect system of skimming. But he knew that 48 pounds of butter-fat was there, because he had had his milk tested; but he could not make as much butter as he should.

He grew suspicious of his cans.

It seemed to him that something was wrong with his cans. He asked his hardware dealer about it. This was the answer he got: "Look down your calves' throats." He asked the hardware man what he meant. The hardware man replied: "You have been robbing yourself—been feeding about half your butter-fat in your skimmed milk. Your cans are good enough, as cans go—but cans don't do the business. They depend altogether on the force of gravity to do the skimming, and gravity is not strong enough. Half of the butter-fat remains tangled up in the skimmed milk, and it takes a force a whole lot stronger than gravity to get it out."

"What will do it?" the farmer asked. "Centrifugal force, as applied in the Sharpless Tubular Cream Separator," was the reply.

This hardware dealer was an agent for the Sharpless Tubular Cream Separator, and loaned this farmer a Tubular for a free trial. The farmer took the Tubular home, used it three days, churned 47½ pounds of unsalted butter from the cream it extracted out of three days' milk and sent a check to the hardware dealer in payment for the machine. He had been robbing himself, and did not know it. He had been making six-cent veal out of butter-fat the Tubular would have enabled him to get 25 to 35 cents a pound for, when he could have made just as good veal out of oil-meal costing but two cents a pound. The kindness of the Tu-

bular agent in lending him a Tubular for a free trial enabled him to find the loss and stop it—making a gain for him of about 8 pounds of butter per day.

All Tubular agents are just as accommodating. Any one of them will lend you a Tubular for a free trial. If you do not know of any Tubular agent near you, we suggest that you write to The Sharpless Separator Co., of West Chester, Pa. If you will ask for catalog No. 165 they will not only send you the catalog, but refer you to their nearest local agent. The Tubular Cream Separator is a machine we can, and are glad to, heartily recommend.

Mexico-St. Louis Special.

The United States and Mexico, North America's sister republics, destined in the estimation of all to be closely allied in the stupendous accomplishments of the future, have now been brought within intimate touch by the installation of a semi-weekly fast train service, giving a sixty-hour schedule between St. Louis and the City of Mexico. Each Tuesday and Friday, at 9 a. m., a through vestibuled train leaves the St. Louis Union Station over the Iron Mountain Route, and at 8.30 p. m. two days later will land its passengers in the ancient capital of the Montezumas—the present metropolis and seat of government of modern Mexico. Unquestionably this new departure means much for both Nations concerned. It is a shortening of the links in the chain of fraternal amity, born of a better understanding of their mutual interests, and will bring about a still closer social and commercial relationship. Credit is due the several through lines

which have cooperated in this laudable enterprise—the Iron Mountain Route, the Texas & Pacific and the International & Great Northern (all Gould roads) on this side of the Rio Grande, and the National Lines of Mexico beyond Laredo—though beyond a shadow of doubt they will reap a rich harvest from the rush of tourists and commercial interests to profit by this opportunity of speedy and comfortable travel, a delightful change from the customary slow time, frequent changes at junction points, and the tedious layovers that formerly robbed travel of its pleasure. The train will comprise through compartment, observation and standard drawing-room sleeping cars and dining car, affording every comfort and luxury of modern railway service.

American Wire Fence.

There are many kinds of wire fence, but the requisites are first, that it shall be strong to hold up against and withstand all extreme strains, and then flexibility, to take all ordinary shocks, give and come back to its original shape, so as not to stay sagged or bent. These two very important qualities are found in the superlative degree in fence made by the American Steel & Wire Co. Their fences are not only constructed from extra long fibre steel wire, strong and flexible, but this is galvanized heavily to protect it from the weather and prevent rusting out.

This concern operates thirty big plants and all make every known kind of wire, from the stiffest, required in piano manufacture, to the finest—almost silky—fibre which is woven into wire cloth. With such extensive facilities, and opportunity to observe their products under all sorts of conditions, it is not surprising that they should be able to produce wire surpassing in quality all other kinds.

And the enormous quantity they make enables them to reduce the cost to a point where they can sell the very best wire at prices very much lower than other concerns have to ask.

Steel is the very best material for fences because it is the strongest substance made.

And American fence—fence made by the American Steel & Wire Co.—is so constructed that you can adjust it to any unevenness in your ground and maintain uniformity throughout. It's lateral wires are big, continuous pieces, very tough and durable; while the upright, or stay wires, are hinged upon the lateral wires so that there can be no giving way. This makes a perfect square mesh fence.

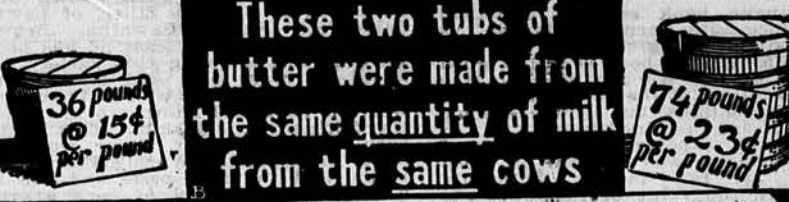
American fence wire is annealed as it is drawn, which makes it stronger than ordinary fence wire. American fence is sold through dealers to give buyers the benefit of personal attention; but if your dealer does not keep it, put off buying until you can write the makers and get a catalogue. That will enable them to see that your interests are properly looked after.

Address the American Steel & Wire Co. at any of their branch headquarters—Chicago, New York, Denver or San Francisco.

Farm Scales a Necessity.

There has been a good deal written lately about scales on the farm. The question is asked, are they a necessity? Is a farmer justified in owning a scale of his own rather than depending on the public scale in town? To our mind there is no more profitable investment a farmer could make than to buy a small platform scale for his own use, or join with other farmers in buying one for neighborhood use.

The day of guessing on farm deals is



These two tubs of butter were made from the same quantity of milk from the same cows

How was it done? Here's the story in the words of a plain, honest, hard-working farmer and his wife.

RAYMOND, NEBR., JUNE 6, 1905.

We had a water separator, and from twelve cows we made 36 lbs. of butter. The next week we used a No. 6 U. S. Separator and made 74 lbs. from the same cows in the same pasture without any extra feed. We made \$10.45 the first week after using the machine. We are very much pleased with it, and could not do without it now.

JOHN NEYLON,
MRS. NEYLON.

Are you using any gravity method to skim your milk? If you are, a

U. S. Cream Separator

will do for you what it did for the Neylons. Think what that means—a considerable daily saving in the time and work of handling your milk—from 15 to 25 more butter than you are now getting, and better butter, too, that brings a higher price. You can't afford to put off looking into this matter another day—write us now for a free catalogue, which explains just what you want to know.

VERMONT FARM MACHINE CO.
Bellows Falls, Vt.

Eighteen Centrally Located Distributing Warehouses throughout the United States and Canada 427

fast passing. What a farmer produces and sells from his farm in his whole stock in trade. Unless he is content to be constantly at the mercy of people with whom he deals, he must have the same means of protecting himself that the grocer, the livery man, or the hardware man has. The grocer does not guess at the sugar he sells the farmer and he does the weighing himself. The hardware man sells the farmer wire, nails, etc., by weight. If a farmer happens to be out of hay and drives up to the livery man or feed-store and takes home a few bales he is charged for so many pounds. On the other hand, when a farmer brings in a load of hay, he guesses it off or takes the other man's weights for it. Are not the chances in favor of his being the loser in the great majority of cases? The farmer needs a scale in his dealings with others, in his sales of cattle, hogs, grain, potatoes, etc. He needs them to verify weights on articles he buys, as seed, coal, feed, live-stock, etc. He needs them in his own operations. Many times it is desirable to know the amount of hay or other feed being used. It is important to know the advancement in weight in stock being fattened; to know which is the more profitable of different kinds of grains, potatoes, etc., raised on the farm. The fact is, there is hardly a day in the year but that a small platform scale will serve some useful purpose.

A most excellent platform scale, weighing from 4 to 6 tons, such as those advertised in this paper, may be had for from \$75 to \$125. A little figuring will show that it is not only a good investment but that such a scale will actually pay for itself in a year or two, to say nothing of the convenience and satisfaction of having it on the farm, always ready to use. This is always to be remembered: Exact dealing avoids misunderstandings and makes good neighbors.

A farm scale will maintain better relations between farmers and merchants and produce dealers, between landlords and tenants, and will give the farmer equally with the man who trades in his commodities an opportunity to know and demand his own.

Get More Milk Money.

Every owner of milch cows is urged to send for our booklet "More Milk Money." It tells how to make your cows yield you a bigger profit, and answers hundreds of dairy questions. Do you know that there are no two trillion globules of butter-fat in a quart of milk?

Do you know how to care for separator cream before taking it to the station?

How to make best butter from separator cream?

What makes "white specks" in butter?

How to wash butter for best results?

How to keep milk from souring without using preservatives?

How to score butter? How to keep odors from milk?

At what age a cow is most productive? How to get the most profit from skim-milk? How many times butter should be washed?

What cream separator will give you the best results? These and a hundred other questions are all answered in our new booklet "More Milk Money." It's free to you if you tell us how many cows you keep, give the address of a neighbor who keeps cows and mention this paper. Address Omega Separator Co., Lansing, Mich.

A Good Little Poultry Book.

We take pleasure in directing the attention of our readers to a little book before us, entitled, "Proper Care and Feeding of Chickens, Ducks, Geese and Turkeys." It is published by the Des Moines Incubator Company, Des Moines, Iowa, and is sold for 10 cents a copy. No reader will begrudge the small price to get accurate, specific information which this little book contains. It is in neat compact form, and gives directions and pointers in a way that they will be applied every day by the poultry-raiser. The different classes of fowls are treated separately. Particular attention is given to right starting, the foods that are adapted and those not adapted to the new-born fledgeling. It is an especially valuable book for beginners. Old poultry-raisers will get many valuable suggestions from it. A copy may be procured by sending the 10c direct to the publishers.

Cleveland Cream Separator

Direct to You
30 Days Approval Test

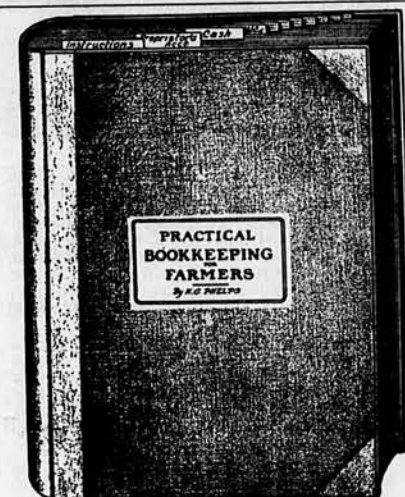
Easy Running: In the Cleveland Separator this isn't an empty claim. The whole thing is summed up in an honest, easy to prove reason. The Cleveland is the only ball-bearing separator made.

Easy Cleaning: The Cleveland has fewest parts and skimming device is made of aluminum. Investigate. You will find this metal is non-corrosive, non-poisonous, milk cannot stick to it and there is no coating to wear off. We prove these things.

Long Life: The Cleveland has the fewest parts of any separator made and gets results at the slowest speed. Parts can't wear out that are not there. The Cleveland is a guaranteed perfect skimmer.

How We Sell: To you from our own factory. The only manufacturers making a high grade separator and selling it at a fair, square price and a fair, square plan. No money in advance. No note to sign. No fuss of any kind. The catalog tells you. Write for it.

THE CLEVELAND CREAM SEPARATOR CO.
Dept. B, 34 Michigan Ave., N. W.
Cleveland, Ohio.



The farmer's guide to success in farming. 200 pages 10x13 inches. 20 pages of instructions and illustrations. A full set of farm accounts worked out. The remainder of the book for use in keeping accounts. The results of a whole year's business are shown on one page which will show the farmer the cause of success or failure. Will last the average farmer three years. Price \$3.00. For a short introductory period the price will be \$2.00 delivered. Descriptive circular and testimonials free. Send us ten 2-cent stamps and we will mail you our latest book—a 50-page book on Business Writing and Lettering; or we will send you both books for \$2.15, regular price \$4.00. Address H. G. Phelps & Co., Boxman, Mont.

SKUNK

Mink, Muskrat and all other furs bought at top market prices. Quick cash returns. TRAPPER'S GUIDE FREE to those who ship and mention this ad.

McMillan Fur & Wool Co.
MINNEAPOLIS, MINN.

WRITE FOR CIRCULARS.

Use a Manure-Spreader.

A 48-page book entitled "Practical Experience with Barnyard Manure," is now available. It gives some excellent ideas. In fact, the book is full of good common sense. We can not take the space to tell all of the good things that the book contains, but here are some facts that are contained in it.

Series of experiments show that where manure was spread on corn ground as the farmer ordinarily spreads it, the value of the crop was \$20 per acre. Another experiment was made using the same amount of manure spread by the new, up-to-date method, and the value of the crop was \$24.80 per acre, a gain of \$4 per acre. Another experiment was made on a clover-field, and the gain was \$4.50 per acre. Another gain of \$8 per acre is reported on a clover- and timothy-field.

The book explains the new method fully. It tells why such a large gain is made. It explains the matter so explicitly that the reader will see the point at once. It contains articles from those who have made a study of this subject for eighteen years.

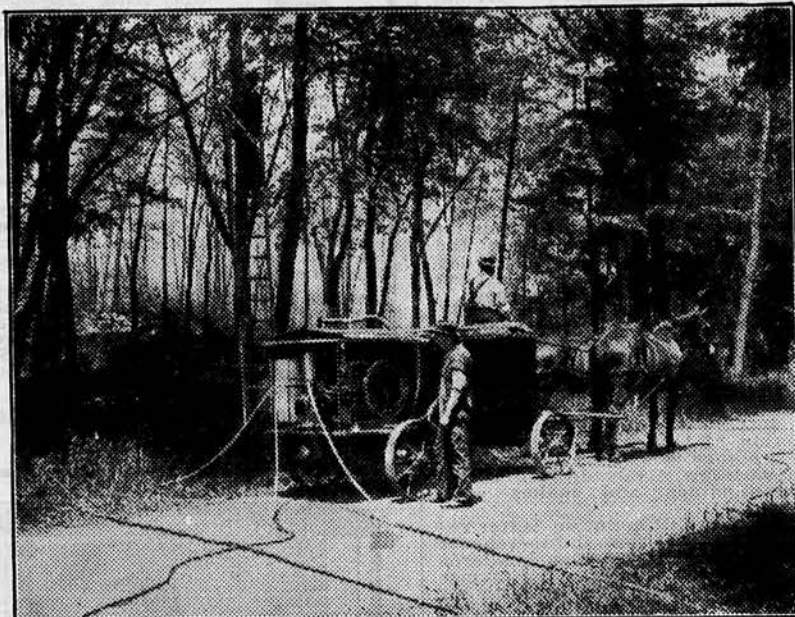
The book does not contain an advertisement of any kind. It is printed on good book paper and is a valuable publication. It should be in the hands of every reader of this paper. We consider the book of such value to our readers that we have made arrangements with the publishers to mail a copy to the readers of the KANSAS FARMER, providing they will write at once, and mention this paper in their letter. Send four cents to pay postage. Address the Smith Manufacturing Co., 158 East Harrison St., Chicago, Ill., and ask for a copy of the book entitled "Practical Experience with Barnyard Manures."

Gypsy and Brown Tail Moths.

The pest of Gypsy and Brown Tail Moths has caused much annoyance in New England and has made it necessary to adopt strenuous measures to combat it.

The spraying outfit shown in the cut is made especially to meet the demand for a sure means of killing the moth and is put out by the Olds Gasoline Engine Works of Lansing, Mich.

They started out with the theory that the practical and correct way to dispose of the Gypsy and Brown Tail Moth is by spraying, and they believe in a mist instead of a solid stream. From the experience which they had in Northern New York a few years ago,



they have come to the conclusion that the finer the spray the more readily it adheres to the leaf, and also that the pump must carry at least 125 pounds pressure to obtain the best results from spraying. In this way this outfit uses a very small amount of liquid, but the air is full of it like a fog, and it adheres to both sides of the leaves and makes a thorough job of it.

Five main lines of hose can be connected with these sprayers and then tributaries from these, so that it is possible to use fifteen nozzles. In this way a large territory is covered and a very small amount of the poison used.

One of these outfits was sold to General Lawrence of Medford, Mass. He has been using it for several weeks and reports that it is the best thing he has ever seen for the purpose. A few days ago he bought a second outfit and he says he prefers it to all others. He has put out more money probably, trying to suppress the ravages of the Gypsy and Brown Tail Moth than any other man in the State.

Superintendent A. H. Kirkland of Boston was sufficiently interested in this spraying outfit to go to Medford to see it in operation and states he is greatly pleased with the way it works. He saw it in operation with six lines of hose and sixteen nozzles and it did thorough and practical work.

The outfit is a compact affair and weighs comparatively little. With the pump operating at normal speed there is sufficient liquid in the tank to supply twelve nozzles for one hour or one nozzle for twelve hours.

It is adapted for use in orchards as well as in parks and has prospects of being very widely used by fruit men throughout the United States.

A Good Kansas Corn.

For many years it has been the opinion of thinking men that what Kansas needed more than any other seed was a good, well acclimated corn. Not good seed-corn merely; that is easily obtained, but a distinctively-Kansas corn that would be in every way suited to our conditions and that would, at the same time, be a good yielder. This very desirable state of things seems now in a fair way to be realized in the Hia-

watha Yellow Dent corn grown and developed by John D. Ziller, of Lawn-dale Seed Farm, Hiawatha, Brown County, Kansas. At least he has been growing and showing this variety for about 20 years past and has a long string of first prizes, won at important western fairs and shows, to show for the faith there is in him. This is the corn with which Mr. Ziller won the silver medal at the World's Fair at St. Louis, and the first prize and \$20 in gold for best bushel of corn at the same place. Mr. Ziller will be glad to send you his seed catalogue, which contains mention of many other varieties, if you will drop him a line and say you saw this in the KANSAS FARMER.

Wealth Producers.

To the man or woman studying over ways and means of earning money on small capital, poultry-raising offers greater attractions than almost any other field.

It takes the merest fraction of an hour each day if one has a reliable incubator, and the cost of the standard machine, "The Sure Hatch," made by the Sure Hatch Incubator Company, of Clay Center, Nebraska, is very reasonable.

They sell their 100-egg machine (which by the way has an actual capacity of 120 eggs) for \$10.00, in most localities, and not only prepay the freight on it but they will ship it on sixty days trial. We have carried the advertising of the Sure Hatch Incubator Company for a number of years and hundreds of our readers have purchased their machines.

The 1906 Incubator has been greatly improved. It has a patent Safety Lamp that is entirely free from the drawbacks of ordinary incubator lamps. The burner is made with a special flame slot that does not spread the flame, while the one-piece large flue is a decided advantage over the ordinary kind that often opens at the seams and cause serious trouble.

Being surrounded by a water jacket, every bit of the lamp's heat is utilized, making the Sure Hatch Safety Lamp a great oil-saver.

Both the tank and pipes of the hot-water heating system are made of heavy copper and there are 138 square inches of heating surface.

Important improvements have been made in the ventilation system, which keeps the eggs constantly in warm, fresh air, the foul air escaping through vents at the bottom of the egg-chamber.

Our readers will be interested in the new Sure Hatch Catalogue and Poultry Manual which can be obtained by addressing a postal card to the Sure Hatch Incubator Co., Clay Center, Neb., or East Washington St., Indianapolis, Ind. Those wishing to engage in poultry raising for profit will find it a safe guide.

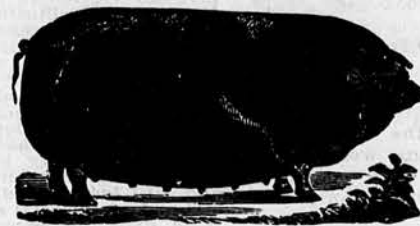
A Free Book on Soil Cultivation.

There are few subjects upon which the farmers of America have been given as little information as on the proper cultivation of the soil.

For this reason, we are particularly glad to call the attention of our readers to a book that has been issued by the Fuller & Johnson Mfg. Co., the well-known farm-implement makers, located at Madison, Wisconsin.

This company has been making plows, harrows, cultivators and a general line of implements for over a quarter of a century and now, they have set forth in a clear, practical, understandable way, the valuable information they have accumulated in all these years. For instance, let us put a few questions to our readers, which this book answers intelligently:

What is the best time to turn under a grass manure crop? What are the advantages of early spring plowing? Under what circumstances should fall plowing be done? What is the best method of treating a field which is overrun with weeds and insects? When should a light, sandy soil be plowed? When should a heavy, soggy soil be plowed? How should sod-land be plowed? What style of plows are best for the different soils? When should sub-soiling be practiced? Why is deep harrowing necessary after plowing? When should a disk harrow be used? Under what conditions may listing be practiced with profit? What degree of temperature should the soil be to insure good germination? What is the best depth at which to plant corn? Why should the crop be cultivated after a rain? How many tons of water will a 60 bushel crop of corn need? How many tons of water will a 25 bushel crop of wheat need? As a rule, which is best, deep or shallow cultivation? Why must the soil be in better tilth when transplanting than when planting seeds? What are the most essential

James R. Young's**ON and ON BROOD SOW SALE****Richards, Missouri, March, 7, '06****50 Head of the very Elite 50**

Fifteen by the Old King Chief Perfection 2, 10 by Perfection E. L., the great sow sire; 4 by the lamented Mo. Black Perfection; 2 by the sweepstakes winner, Chief Sunshine 2d; 2 by Chief Sunshine, half sister to Chief Perfection 2d; 3 by Sunshine of Maple Grove; 3 by Black Sunshine, and others by Kemp's Perfection, Perfect Trouble, etc., all bred to On & On the great.

Three extra boar pigs will be sold. The catalogue gives details. You want it, and a postal card will bring it.

John D. Snyder or the other auctioneers will carefully handle orders for those who can not attend. A cordial invitation is extended to all to attend whether contemplating purchases or not. Free entertainment at Richards Hotels.

James R. Young, Richards, Mo.

Auctioneers: W. D. Ross, H. C. Correll, D. P. McCracken, John D. Snyder, Jas. W. Sparks, Lufe Burger.

**DISPERSION SALE
—OF HORSES—****AT SOUTH OMAHA ON
MONDAY, FEB. 26, '06**

The Maple Grove Stud of Percheron
and French Coach Horses

50 — HEAD — 50

25
Stallions
25



25
Mares
25

All coming 3 and 4 years old. These are the colts and fillies that were under 2 years old at my last sale in 1904. They are mostly all black, strong-boned, stylish colts, one of the choicest lot of Percherons ever offered to the public at auction in this country.

MARK M. COAD,
Fremont, Nebraska.

Catalogues may be had of John S. Cooper, South Omaha, or Mark M. Coad, Fremont, Nebraska.

elements of tobacco land? How many feet of nursery must one plan for each acre to be set to tobacco? How much cabbage seed is needed to grow enough plants for an acre? What is the best method of planting sweet potatoes? It is given away absolutely free. We advise everyone to write for a copy promptly, as the books are in great demand already. The Fuller & Johnson factory is at Madison, Wis.

Growth of a Great Horse Remedy.

No better illustration can be given of great things coming from small beginnings than Kendall's Spavin Cure. It was compounded and used in a small way about 35 years ago by a veterinarian named B. J. Kendall in the then obscure village of Knosburg Falls, Vt. Since then the name of Dr. Kendall and "Kendall's Spavin Cure" have gone to all parts of the world. The merits, and the merits alone, of the remedy have done it.

While Dr. Kendall was practicing as a veterinarian he wrote a little book entitled "A Treatise on the Horse and His Diseases." It is safe to say that no more popular work on this subject has ever been produced down to the present day. It was used originally by the doctor in his practice and handed out to the horsemen with whom he came in personal contact. It is said that now upwards of 12,000,000 of these little books have been published and gratuitously distributed.

The cures of spavin, curb, ringbone, splint, wire-cuts, sores, etc., and the expense and labor saved to horse-owners by Kendall's Spavin Cure are beyond comprehension. For the greater part of these 35 years Kendall's Spavin Cure has been the chief, and with thousands of horsemen the only, remedy used. It must be remembered that it is not confined to this country. It is decidedly a world remedy. With the little book mentioned above to guide, and with Kendall's Spavin Cure at hand to treat promptly any case of sprain, wound, lameness, incipient bone growth, etc., the ordinary horse-owner is well fortified against all the common ailments to which horse flesh is liable. We believe it to be unquestionably a more efficient remedy and adapted to the cure of more of the ailments to which the horse is liable than any other now on the market.

Bargains in Seeds.

The immense harvest of 1905 has enabled the John A. Salzer Seed Company of La Crosse, Wis., to offer unheard-of bargains in seeds. After supplying the usual channels of trade, they have enough seeds of all kinds remaining to supply thousands of farmers with their entire season's supply at a remarkable saving.

The "Salzer Bargain Seed Book" contains a complete list of these seeds and is sent free of cost to any one on request. The list includes not only all varieties of vegetable and flower seeds, but barley, clover, flax, spelt, timothy, new wheats and grasses of all kinds. They are all of the famous "Northern Grown Pedigree Seeds" that made Salzer famous throughout the world, and have a record for immense yields. Those desirous of obtaining the best in seeds, and the greatest number of seeds for the least expenditure, should not delay writing for the "Bargain Book"—a line to the John A. Salzer Seed Co., Lock Box 56, La Crosse, Wis., will bring it by return mail.

Selecting the Seed Potatoes.

It is not too early to begin to think about seed potatoes. Even though you do not order now, it is a good plan to have cast around and made up your mind where your seed is to come from. To those of our readers who are not already regular patrons of the house, we suggest the Griswold Seed Co., of Lincoln, Neb. It is unquestionably one of the best concerns in the country from which to buy seed potatoes. A large part of their stock is grown for them in the Red River Valley, North Dakota, a region famed for its potatoes and which gives the hardness which insures a wonderful development in less rigorous climates. While doing a general seed business, they might be called seed potato specialists. Kherson oats, alfalfa, seed corn, brome grass, millet, sorghum, and garden seeds are a few other things specially in their line. They publish a large, well illustrated catalogue, which they send free to any one writing them for it. We think it a good seed catalogue to have.

The McMillan Fur & Wool Co., of Minneapolis, have mailed us their new circular, which we have on file for reference. This house has been established some twenty-eight years and on account of their extensive business, which minimizes the proportion of fixed expenses, are in a position to pay high prices. They make a specialty of receiving goods through shipments, and shippers find returns very satisfactory. Mention the KANSAS FARMER and write them for free catalogue and price list.

The seed house of L. L. May & Co., St. Paul, Minn., are sending out a very fine catalogue for 1906. It is very complete and nicely illustrated. Those of our readers who desire to secure Northern-grown seeds of all kinds would do well to address this firm. They also list garden tools, sprayers, dusters, incubators and brooders in addition to fruit-trees, shrubs, and all kinds of garden-, field- and flower-seeds.

THE MARKETS.

Kansas City Live Stock Market.

Stock Yards, Kansas City, Mo., Monday, February 19, 1906. Cattle prices reached the high notch of the winter the middle of last week, but prices eased off after that on account of a heavy run Thursday and closed the week with practically no change from close of previous week. Buyers were erratic most of last week, their orders showing that packers feared a drop in receipts, but after they had gotten stocked up pretty well on Wednesday they settled down to their usual indifference, when they do not need cattle very bad. Their early activity, however, showed that the



THE MOST IMPORTANT PUBLIC SALE OF REGISTERED HEREFORD CATTLE

THAT WILL BE HELD THIS YEAR TAKES PLACE AT THE
LIVE STOCK SALE PAVILION

Kansas City, Mo., Wednesday, Feb. 28 and Thursday, March 1, 1906

BEGINNING EACH DAY AT 1:00 O'CLOCK SHARP.

THE SALE IS BEING MADE BY THE FOLLOWING WELL-KNOWN HEREFORD BREEDERS:

C. A. STANNARD, Emporia, Kans.
C. B. STOW, Hamburg, Iowa.
MISS LOU GOODWIN, Blue Rapids, Kans.
JAS. A. GIBSON, Odessa, Mo.
T. C. SAWYER, Lexington, Mo.
D. D. AKIN, Sterling, Kans.
J. A. YARSON, Everest, Kans.
GEO. B. BAKER, Maryville, Mo.

GUDGELL & SIMPSON, Independence, Mo.
J. W. LENOX, Independence, Mo.
CLARENCE DEAN, New Market, Mo.
R. C. WILSON, Belton, Mo.
STEELE BROS., Richland, Kans.
W. J. BONEY & SON, Cairo, Mo.
MRS. K. W. CROSS, Emporia, Kans.
JAS. WREN, Keytesville, Mo.



100 HEAD will be sold, about equally divided between bulls and cows. This will be the ranchman's opportunity as well as the breeder's and farmer's. Every animal is thoroughly guaranteed.

If you would like to have a catalogue giving the breeding of each animal to be sold, write

SECRETARY C. R. THOMAS, 225 West 12th Street, Kansas City, Mo.

under whose management the sale will be conducted.



meat trade is in good shape, and that they are able to dispose of large quantities of product.

The cattle supply to-day is 12,000 head, prices steady to 10c lower. Steer prices are about steady with last Monday, but considerable below the high time of the week, Wednesday. Cows and heifers are 15@25c higher than last Monday, stockers and feeders about steady, veals higher. The best steers sold last week at the high point at \$5.60@5.85, odd head at \$6, bulk of steers \$4.75@5.40, prices 10@20c below these figures to-day, with a top of \$5.50. Top heifers bring around \$5, cows \$4.40, bulk of she stuff \$3.25@4.25, medium and common cows \$2.25@3, bulls \$2.75@4, veals \$6@7.50, feeders \$4@4.85, extra choice ones \$4.90@5.20, stockers \$3.35@4.50. Country buyers are taking hold in a hesitating way, influenced by the uncertain movements of the fat-steer market, but show an inclination to buy.

Hogs gained a quarter last week, closing at about the best point, but the market had a few downs along with the ups. Supply is moderate to-day, 8,000 head, prices strong to 5c higher, top \$6.25 for two loads, bulk of sales \$6.05@6.15. Present prices are around \$1.30 higher than a year ago, and at that time the market was declining. Receipts are moderate, 52,000 last week, slightly more than at this time last February.

Mutton prices held firm last week, lambs declined 10@20c. Run to-day is 10,000 head, prices strong on sheep, lambs week. There are signs of smaller receipts, and some traders believe lambs will sell better shortly. Top lambs barely bring \$7 now, good ones selling at \$6.55@6.80, yearlings \$5.70@6.10, wethers \$5.50@5.80, ewes \$4.25@5.25. Some thin lambs have gone to the country lately at \$5.85@6.25.

J. A. RICKART.

South St. Joseph Live Stock Market.

February 19, 1906.

There was a slight increase in the number of cattle in sight at the five points to-day as compared with last Monday and there was an easier feeling to the trade in consequence. The local market was well supplied with good styles of export and dressed beef steers and the market did not show any particular change, demand being strong for all classes and prices about steady with the close of last week. Cows and heifers were only in nominal supply considering the number of cattle on sale and the market was steady to strong. Bulls and veals were unchanged and good stock and feeding steers were in active demand and steady. Following are current quotations: Native steers \$4@6.10; Texas and Westerns, \$3.75@5.50; cows and heifers \$1.65@4.80; bulls and stags, \$2@4.75; veals, \$3.50@7.50; yearlings and calves, \$2.75@3.90; stockers and feeders, \$3@4.60.

There was further shrinkage in the number of hogs in sight at principal markets and values responded by advancing sharply, but some of the gain was lost before the close. The general trade, however, ruled 5@10c higher than average trade of Saturday, prices ranging from \$5.90@6.20, with the bulk selling at \$6.07½@6.15. These figures have only been exceeded once since May, 1903, and general conditions continue to be favorable to the country. Good hogs are scarce and offerings are pretty much on the mixed order that tail down to an unfinished light end, which indicates shortage of supplies in the country. However, conservative dealers are not following advances too closely and thereby enlarge their profits on all advances. Demand here is very strong at the higher range and packers could use many more than are coming.

The trade in sheep and lambs to-day held about steady, receipts being rather small and quality fair to good. Lambs are quotable at \$6.60@7.15, yearlings, \$5.75@6.50; wethers, \$5.50@6.10, and ewes at \$4.75@5.25.

WARRICK.

The Right Road

from Kansas City to Chicago, St. Paul, Minneapolis, Dubuque and Des Moines is the Chicago Great Western Railway. Three well equipped trains daily. Best of service. For further information apply to Geo. W. Lincoln, T. P. A., 7 W. 9th St., Kansas City, Mo.



Public Sale Cattle and Horses

On February 26, 1906, 14 miles southeast of Great Bend and 9 miles north of Hudson, Kansas, Stafford Co., 25 head of work horses, and everything required to run a 1600-acre wheat and corn farm; also 45 head of registered Hereford cattle, consisting of cows, heifers and calves. Also 1

three-year-old bull. Cattle a little thin in flesh and no doubt will go at a bargain.

Pearl I. Gill, Great Bend, Kansas



PUBLIC SALE Jacks, Jennets and Mules

Second Annual to be held in

Savannah, Missouri, March 8, 1906

22 large Black Jacks with white points, the kind that has built my annual breeding trade to over 600 mares and jennets at one barn and that has made Missouri famous as a mule State. As a class they possess the essential points for good breeders, size, heavy bone, good width, length, heads, ears, style, substance, and of the best breeding known. Four large Black Jennets in foal of same character. 22 extra good coming 3-year-old mules, the good boned, wide out kind. Some of them will mature in mules to weigh 1400 to 1500 pounds; and 4 good young harness horses. Write for illustrated catalog.

G. M. SCOTT, Route 2, Rea, Missouri.

St. Joseph Stock Yards Co.

South St. Joseph, Missouri

A Short Story to the Point—Ship Your Live Stock to St. Joseph and return home well pleased.

Jno. Donovan L. D. W. VanVleet M. B. Irwin

Vice-President and General Manager

Assistant General Manager

Traffic Manager

Closing out Sale

OF

Jacks and Jennets

From the Osage Valley Farm at Moran, Kans., 28 miles west of Fort Scott.

Friday, March 9, 1906

Fourteen fine jacks 4 months to 7 years old; 18 jennets. Stock will be guaranteed as represented. The best of references. Send for catalogue.

W. D. Gott, Xenia, Kan.

Auctioneers, Jas. W. Sparks, Lufe Burger, and others.

WHEN WRITING ADVERTISERS PLEASE MENTION KANSAS FARMER.

The Preparation of Smoked Meat.

Smoked meat is either a table delicacy or a coarse article of food according to the method of its preparation.

A hickory wood fire used to be considered the only method of curing hams, shoulders and bacon. But since the introduction of Wright's Condensed Smoke made from the best hickory wood, the process of curing all kinds of smoked meat has been simplified and the work made much safer and easier.

Wright's Condensed Smoke is considered by all who have used it one of the grandest inventions of the times, and many can not praise it enough.

Wright's is the original condensed smoke and is put up in sealed bottles with metal caps—never in bulk. The manufacturers, the E. H. Wright Co., Ltd., Kansas City, Mo., send out a readable little book, "The New Way," which treats further on this subject and will prove very interesting as well as instructive to all who put by smoked meats for winter use. A postal card addressed to them will secure it.

The Stromberg-Carlson Telephone Manufacturing Co., of Rochester, N. Y., and Chicago, Ill., who make a specialty of farm telephones, have just issued a series of handsome pamphlets that



are of great value to the farmer for whom they are especially prepared. These pamphlets are handsomely illustrated and show complete plans for building and operating private lines. "How the Telephone Helps the Farmer," "How Successful Telephone Systems Have Been Organized," "Telephone Construction Material and Supplies," and "How to Build a Rural Telephone Line" are the names of these little books, the latter of which costs 10 cents per copy. Write the nearest office of this company for any one or all of these books and then build your line.

Profitable Stock Feeding.

Letters concerning the new book on "Profitable Stock Feeding" are being received daily from prominent men from various parts of the country. Director B. C. Butum of the Wyoming Experiment Station writes, "I have read this book with some interest and consider it a valuable addition to literature, which will be useful to farmers and stockmen. The chapters seem to be brief, to the point, clear and complete statements of the latest science of practical feeding. I will order copy for our Station library and recommend its use by students."

Secretary F. B. Coburn of the Kansas Board of Agriculture says: "I have looked through your book on 'Profitable Stock Feeding' and am much pleased with its nature and make-up. I shall hope to see it in the hands of stockmen everywhere and if they will make proper use of the vast fund of fact and experience it contains, the work will be greatly to their benefit."

Prof. James E. Rice of Cornell University, among other things says, "It strikes me as being intensely practical and should prove of great value." Professor S. S. Shaw of the Michigan Agricultural College writes, "Your text book covers the ground concerning stock-feeding principles very fully and in an extremely practical manner, so that it should be of great value for the purpose for which it is intended." Note the advertisement.

COLIC CURE.

Testimonial Received by Dr. Earl S. Sloan, Boston, Mass.

Mr. G. H. H. Rowe, Sparta, Ill., writes: "While serving an officer on the Steamship Montezuma, which carried horses and mules to South Africa, I saw your Colic Cure used on the horses and never saw a case of colic prove too much for it. We had 1250 horses on board for over a month, so that we had a good opportunity to test the remedy thoroughly. The veterinary used your liniment also for sore shoulders and sprains, and the horses were landed in a particularly fine condition."

"I do not go to sea now, as I am farming, but have taken great pains to recommend your medicines, and always keep a stock on hand. I know of another case in Sparta, Ill. where your Colic Cure saved a \$170 mare after the veterinary failed to cure her."

Twentieth century ideas applied to an eighteenth century farm—that is the gist of the article, "A New Boy on an Old Farm," which is printed in The Youth's Companion for February 15. It is a contribution by Prof. L. H. Bailey of the College of Agriculture, Cornell University. Full of interest for those who may know nothing of farming, the article is of value and importance to those who have made a life-work of agriculture. To the farmer's son, weary of the limitations of his life, the article offers suggestions which may give him a freer and more hopeful view of his situation.

KANSAS FARMER.

Established in 1883.

Published every Thursday by the
Kansas Farmer Co.,
Topeka, Kansas

SUBSCRIPTION PRICE: \$1.00 A YEAR

Entered at the Topeka, Kansas, postoffice as second-class matter.

ADVERTISING RATES.

Display advertising, 20 cents per line, agate (fourteen lines to the inch). Continuous orders, run for the paper, \$1.82 per inch per week.
Special reading notices, 20 cents per line.
Special rates for breeders of pure-bred stock.
Special Want Column advertisements, 10 cents per line of seven words per week. Cash with the order.
Electrotype must have metal base.

Objectionable advertisements or orders from unreliable advertisers, when such is known to be the case, will not be accepted at any price.
To insure prompt publication of an advertisement, send cash with the order; however, monthly or quarterly payments may be arranged by parties who are well known to the publishers, or when acceptable references are given.

All new advertising orders intended for the current week should reach this office not later than Monday.
Change of copy for regular advertisement should reach this office not later than Saturday previous to publication.

Every advertiser will receive a copy of the paper free, during the publication of the advertisement.

Address all communications to
KANSAS FARMER CO.,
116 West Sixth Ave., Topeka, Kans.

Special Want Column

"Wanted," "For Sale," "For Exchange," and small want or special advertisements for short time will be inserted in this column without display for 10 cents per line of seven words or less per week. Initials or a number counted as one word. No order accepted for less than \$1.00.

CATTLE.

RED SHORTHORN BULL for sale. A. C. Rait, R. R. 4, Junction City, Kans.

FIVE REGISTERED HEREFORD BULLS for sale. All good individuals. Eight months, 9 months, 1 year, 20 months, and 4 years are their respective ages. Cooper Monroe, Lyons, Kans., R. F. D. 6.

FOR SALE—One registered double-standard Polled Durham bull, 2 years old in March, 1906, color dark red. Will consider trade for females of the same class of stock. Address Jacob J. Yoder, Haven, Kans., R. R. 2.

FOR SALE—The great show and breeding bull, 188 Duke of Wildwood 148143, that took 4th place at the Kansas City Royal in 1904; also 20 cows and heifers all choice individuals, some show stuff. Geo. Manville, Fawcette, Mo.

GALLOWAY BULLS—4 head, 16 to 18 months old, suitable for service. All registered. Address, C. A. Kline, R. F. D., Tecumseh, Kans.

FOR SALE—Hereford bulls, choice and blocky, aged 8 months to 2 years. J. W. Tolman, Hope, Kans.

ABERDEEN-ANGUS CATTLE and Percheron horses. Stock for sale. Garret Hurst, breeder, Peck, Sedgwick County, Kans.

FOR SALE—Registered Galloways. Bulls, cows and heifers, singly or in car lots. Dean Bartlett, St. Marys, Kans.

HOLSTEINS—Bull calves, 3 to 8 months old, one yearling, extra choice. H. B. Cowles, Topeka, Kans.

PEDIGREED SHORTHORN BULL—3 years old; sire Magenta, who cost \$1,100 at 8 months. Cheap. S. J. Rantz, Leavenworth, Kans.

CHOICE REGISTERED Shorthorn bulls and heifers, cheap. M. C. Hemenway, Hope, Kans.

FOR SALE—The pure Cruickshank bull, Violet Prince No. 145447. Has been at the head of our herd as long as we can use him. An extra animal. H. W. McAfee, Topeka, Kans. (2 miles west of Kansas Ave. on 6th Street road.)

WANTED—Man to milk 25 cows and separate cream. Will pay \$25 per month, steady job to the right man. Miller Bros., The 101 Ranch, Bliss, O. T.

FOR SALE—One straight Cruickshank bull, 14 months old, dark red, extra good animal. H. W. McAfee, Topeka, Kans.

REGISTERED GUERNSEY BULLS—Ready for service. Also pure-bred Scotch Collie puppies. Dr. J. W. Perkins, 422 Altman Bld., Kansas City, Mo.

FOR SALE—Registered Jersey cattle. Two yearling bulls, 3 Sires. A son of Bessie Lewis, 32 lbs. butter 7 days, and "Financial Count" (Imported), grandam held Island butter record 3 years. Sire's dam holds public milk record of 58 pounds daily, and his dam and Island winner in class for 2 years. Her 4 dams 20 to 26 quart cows, and all winners. Sayda Polo Jersey Farm, Parsons, Kans.

SWINE.

FOR SALE—25 Duroc-Jersey boars, large enough for service and 60 gilts, open or bred. Pigs strong boned and best of color. Prices low. A. G. Dorris, Route 5, Osage City, Kans.

FOR SALE—Bred O. I. C. gilts and some good boars. All good stock. A. W. Thoes, Inman, Kans.

FOR SALE—20 good, strong spring and yearling Berkshire boars that are just what the farmers want. Prices right. Address E. W. Melville, Eudora, Kans.

FORTY HEAD of pedigreed Duroc fall pigs; good color, well built. Write to Chas. Dorris, Route 6, Osage City, Kans.

HORSES AND MULES.

AN IMPORTED registered Percheron stallion, No. 1 (45599) 24512, 8 years old, sound, color black. First class horse in every respect. Call or write J. H. French, 718 Kansas Ave., Topeka, Kans.

FOR SALE—Seal brown Percheron, Brilliant Junior 24583. His breeding and colts second to none in Kansas. Good reasons for selling. \$500 gets him if sold by March 1. Sound and guaranteed every way. L. Cox, Concordia, Kans.

HAVERHORTH COUNTY Jack Farm, 10 head of jacks and jennets for sale. Corson Brothers, Potter, Kans.

FOR SALE—At reasonable prices, Black Imported Percheron stallions. E. N. Woodbury, Cawker City, Kans.

FOR SALE OR TRADE—Three fine draft stallions, one Shetland stallion, two good jacks. G. J. Price, Richmond, Kans.

HORSES AND MULES.

FOR SALE CHEAP—One gray registered Percheron stallion, sound and all right. A. W. Thoes, Inman, Kans.

IF YOU WANT a Percheron, Belgian or Saddle stallion, write to Chas. Giffin, Rydal, Kan.

FOR SALE—Registered French draft and Percheron stallions, mares and colts; bays, browns and blacks. One gray stallion, 13 years old, sound and sure. Jake Howard, Hoyt, Kans.

FOR SALE—The black imported Percheron stallion Bonneval 23072, 8 years old, weight 2,000. Come and see him and his get, ranging from 6 months to 3 years of age. Munden Percheron Horse Co., Munden, Kans.

LOST OR STRAYED—Brown mare, weight 1,100 pounds, white spot in forehead, barb wire cut on side, somewhat awaybacked. Suitable reward for return. J. W. Gillard, 836 Highland Ave., Topeka, Kans.

POULTRY.

ONE DOLLAR buys 15 eggs of either Rose Comb R. I. Reds or Barred Rocks from prize-winning stock at the college show. Mrs. A. J. Nicholson, Manhattan, Kans.

FOR SALE—All kinds of fancy pigeons, also Toulouse, Rock, and other breeds. Barred eggs, 10 for \$1. Turkeys, peacocks, Bantams, Rhode Island Reds, Orpingtons, White, Buff and Silver Game, Golden Game, Golden Seabirds, Bantams, Pearl and White guineas, hunting dogs, Poultry eggs, 15 for \$1. Write D. L. Bruen, Platte Center, Neb.

WHITE PLYMOUTH ROCKS—the lay all winter kind. Bred to high score, large egg record cockerels. 100 for \$1. Eggs, 5 cents each. \$4 per 100. J. L. Moore, Eureka, Kans.

WHITE PLYMOUTH ROCKS—12 years breeder of the choicest birds. Eggs \$1.50 per 15. Member American White P. R. Club. J. E. Shinkle, Lakin, Kans.

BARRED ROCKS—40 cockerels, \$2 will buy a good one; 50 pullets, \$1 each, sired by a pure Bradley cock. I have an orchard flock of 50 pullets mated with large, standard males, eggs \$1 per 15; \$4 per 100. A. C. Rait, R. R. 4, Junction City, Kans.

BARRED ROCK EGGS—Pen. No. 1, \$1.50 per 15; pen No. 2, \$1 for 15. Mrs. W. A. Shreier, Argonia, Kans.

PURE Single Comb Brown Leghorn eggs; 30 for \$1; 100 for \$3. F. P. Flower, Wakefield, Kans.

WANTED—Two hen peafowls. S. S. Hatch, Peru, Kans.

BLACK LANGSHANS—Hens scoring 93 and upwards—headed by 2d and 4th prize cockerels from Kansas City 1906 show. Eggs \$2 for fifteen; \$3.50 for thirty; special price by hundred. Can fill orders for sample. Mrs. C. S. Cross, Fair Acres Farm, Emporia, Kans.

BUFF PLYMOUTH ROCK eggs for sitting, \$1.50 for 15. Jay S. Buck, Okaloosa, Kans.

FOR SALE—4 pair of White China geese; also 3 Bronze turkey toms. Mrs. W. J. Grist, Ozarkie, Kans.

SEEDS AND PLANTS.

ONE DOLLAR will buy enough of McCauley's white seed corn to plant seven acres if you send to A. J. Nicholson, Manhattan, Kans.

SELECTED SEED CORN, Hildreth's Yellow Dent, grown in Summer County, \$3 per bu. Send orders to W. A. Shreier, Argonia, Kans.

SMALL FRUIT PLANTS—For price list, which also contains a full description of the prize strawberry, Cardinal, send to Wm. Brown & Sons, Route 9, Lawrence, Kans.

PEDIGREED SEED CORN—Raised from Funk Bros.' high-bred Boone County ("Special") White. The seed from which this corn is grown cost me \$5 per bu. It is now acclimated to Kansas. Select ears for sale at \$2 per bu. Address Edwin Taylor, Edwardsville, Kans.

FRUIT TREES half price, best quality. Catalogue free. Baldwin, Seneca, Kans.

PLANTS—Bulbs, shrubs, evergreens, roses, etc. Strawberry plants per 100, 35c; 1,000, \$2.25. Raspberry, 100, 70c; 1,000, \$6. Blackberries, 100, 70c; 1,000, \$5. Grapes, 2 year, 5c. Currants and gooseberries, per 100, 50c. Asparagus, 100, 40c; 1,000, \$2.25. Rhubarb, 10, 30c; 100, \$2.25. Gladiolus bulbs per 100, 10c; 100, 75c. Dahlias, each, 10c; 100, 45c. Hardy herbaceous plants, greenhouse plants, etc. Price list on application. Bonner Springs Nurseries, Bonner Springs, Kans.

FOR SALE—Speltz, 50 cents; Macaroni wheat \$1 per bu. f. o. b. Wheeler & Baldwin, Delphos, Kans.

FOR SALE—Spring of 1906 seed sweet potatoes, six kinds. Prices on application; also a fine lot of eating sweet potatoes. I. P. Myers, Haysville, Kans.

SEED CORN—"Hildreth yellow dent easily ranks first as the best producing variety."—Burlin 123. Won three first premiums at Topeka and Hutchinson State Fair 1905. At the Kansas State corn-breeders' contest 1906, won 1st and 2d prize for the most productive acre—103 and 78½ bushels. Write to C. E. Hildreth, corn-breeder and grower, Altamont, Kans.

ANNOUNCEMENTS.

GEO. A. HURON is a candidate for the office of Probate Judge of Shawnee County, subject to the Republican primaries.

BY WRITTEN REQUEST of many voters of the Thirty-seventh Representative district, I hereby announce my candidacy as representative from Shawnee County, subject to the primaries of March 10, 1906.
A. E. DICKINSON.

I HEREBY announce myself as a candidate for the office of County Treasurer of Shawnee County, subject to the Republican primaries.
G. W. VEALE.

YOUR BALLOT solicited for Register of Deeds at the Republican primaries.
ROSCOE C. SQUIER.

SUBJECT to the Republican primaries to be held March 10, 1906, I am a candidate for reelection to the Legislature from the Thirty-ninth district, which comprises the Sixth precinct and of additions to the Second ward, all of the Fifth and Sixth wards of Topeka, and all of the country south of the river.
ROBERT STONE.

HELP WANTED.

WANTED—Married man to work on dairy farm. Good, permanent place for right man. R. J. Linscott, Holton, Kans.

WANTED—Farm hand, married man, to work by the year; house furnished, cow, wood for fuel, garden plot, privilege to keep chickens, and good wages. T. P. Jones, Olpe, Lyon County, Kans.

WANTED—Man and wife to work on farm; or will rent to right parties. Sarah F. Harris, Leocompton, Kans.

MISCELLANEOUS.

"THE LAND," a monthly journal for the homemaker and landowner. 25 cents per year to new subscribers. Address The Land, Cottonwood Falls, Kans.

WANTED—Men to learn barber trade. Don't miss this chance; special offer for limited number. Just opened branch of the well-known Moler System of Colleges, our fourteenth school. All modern facilities. Few weeks completes. Wages paid in finishing dept. Positions waiting our graduates. Catalogue mailed free. Moler Barber College, 6th and Delaware Sts., Kansas City, Mo.

SPECIAL ADVERTISING OFFER—Send your photo, any style, bust, or full figure, alone or in group, with 70 cents in stamps or money order and receive fifteen dainty miniature cabinet photos mounted on pretty, new style folder cards, size about 3½x5 inches, copied separately in bust form from your picture. Original photo returned and copies guaranteed perfect reproductions. Don't miss this special offer. Hit of the season. If more than 15 wanted add 4 cents for each additional print. Cash must accompany order. Address E. R. Gregg, Gregg's Studio, Emporia, Kans.

STRAYED OR STOLEN from my farm, 2 bay horses, weight about 14 or 15 hundred pounds, one with blaze face, glass eyes, feet white; other, one hind foot white, patch of hair off of right jaw. Suitable reward for return. Allen Fleisch, Route 1, Garfield, Pawnee County, Kans.

WANTED—At once, sound young men for firemen and brakemen on railroads; high wages; promotion; experience unnecessary; instructions by mail at your home; hundreds of good positions now open. Write National Railway Training Association, 620 Paxton Block, Omaha, Neb.

EARN FROM \$37.50 to as high as \$155.50 per month. Wanted—400 young men and sound men of good habits to become brakemen and firemen. Big demand in Wyoming, Nebraska, Kansas, Colorado, and Missouri. Instructions sent by mail; stamp for reply. Northern Railway Correspondence School, Room 202 Skyles Block, Minneapolis, Minn.

LADIES—To do piece work at their homes. We furnish all material and pay from \$7 to \$12 weekly. Experience unnecessary. Send stamped envelope to Royal Co., Desk 49, 34 Monroe St., Chicago, Ill.

WANTED—Your apples to grind. I do custom work every Saturday at my mill on West Sixth St. H. W. McAfee, Topeka, Kans.

WANTED—Men to learn telegraphy. Write J. F. Fliche, care Santa Fe Ry., Arkansas City, Kans.

"THE CEMENT WORKER'S HAND BOOK" tells you how to do all kinds of cement work successfully—walls, floors, walks, tanks, troughs, cisterns, fence posts, building blocks, etc., etc. Second edition. Cloth bound. Sold in all English-speaking countries. Sent to any address for 50 cents. Address W. H. Baker, Seville, Ohio.

WANTED—Lady Agents \$3 to \$6 per day, introducing into every household our brand new style hat pins. Exclusive territory, success certain. Send 25 cents for sample. W. M. Judy Co., 211 W. 9th St., Cincinnati, O.

Stray List

Week Ending February 8.

Harvey County—B. O. Hagen, Clerk. COW—Taken up by H. C. Hoerman, Newton, Tp., Nov. 25, 1905, 1 dark red cow, dehorned, with white tip on tail, about 5 years of age; valued at \$24.

Week Ending February 15.

Montgomery County—Samuel McMurtry, Clerk. PONY—Taken up by J. F. Shipley, in Parker, Tp., December, 1905, one sorrel pony mare, about 6 years old, white stripe in forehead; valued at \$30.

Week Ending February 22.

Chautauque County—L. G. Wells, Clerk. COLT—Taken up by D. D. Scott, Peru, Kans., November 23, 1905, 1 dark mare colt, 1 years old, branded L on left shoulder; valued at \$15.

Publication Notice.

The Chicago-Topeka, Light, Heat and Power Company, William Brace, Trustee, and the Northern Trust Company, will each take notice that they have been sued in the district court of Shawnee County, State of Kansas, as defendants, by N. J. McBryer, as plaintiff; that plaintiff's petition is now on file in the office of the clerk of said court, alleging that you and each of you claim some right, title or interest in and to certain real estate in Shawnee County, Kansas, described as follows, to-wit: Lots 310, 312, and 314, Kellam Avenue in Jenkin W. Morse Addition to the City of Topeka, under two certain deeds of trust, which instruments said petition alleges were without consideration, and are void.

Now, unless you answer said petition on or before the 3rd day of March, 1906, said petition will be taken as true, and judgment rendered against you, and declaring said instruments null and void.

P. H. FORBES,

Attorney for the Plaintiff.

Attest I. S. CURTIS,
Clerk of the District Court.
(Seal)

FARMERS Cut out this ad and return to us with one dollar and we will ship you at once a 25-pound keg of the Best Axle Grease ever made. Will wear well, not gum, contains no rosin and is good for hoofs and sores on cattle and prevents rust on iron.

PROVIDENCE OIL WORKS,
Providence, R. I.

Riverside Stock Farm

Imported and home bred Percheron stallions and mares. Standard bred animals of both sex. Also Shorthorn Cattle. Twenty choice stallions for sale.

When writing mention Kansas Farmer.

O. L. Thisler, Chapman, Kans.

Send Your Hides to

HIDES TANNED FOR ROBES

Horse and Cattle Hides tanned by our process make the finest of Coats and Robes. All work guaranteed. FREE booklet on hides, also shipping tags and price list. Write today.

IOWA TANNING CO.
Des Moines Ia.

Farm Threshing Outfits.

Two years ago the State agent of a Wisconsin company that makes a specialty of farm threshing machines visited me in the interests of his firm. He came at the right time to make a sale. My grain-stacks were putting on a garish green. The thrashers never came. Their heavy outfits burrowed in the mire of barnyards and swales, slid off the slippery highways into soft ditches, and went through bridges weakened by floods. They were busier with trouble than bundles. I was readily convinced of the advantage of having a thrasher all my own. I showed the agent my six-horse gasoline engine and asked him if that would do for the power. He said it would. I agreed to buy a Belle City machine with a 24-inch cylinder on the condition that it would do business. It came in a few days and filled the warranty. The way it disposed of damp, clinging straw surprised even those who were just going by and came in to be facetious. I thrashed my grain that fall with the ordinary farm help and one or two extra men. The ground was soft, but a good pair of horses put the machine just where it was wanted, likewise the portable gasoline engine. We could set them both and get to work while the heavy rigs would have been preparing to move. When we finished thrashing that year I told the boys that the future held no place for a grain stack on Old Oaks farm.

The next year and this fall we thrashed from the shock. There is much of economy in this and the method is one for which the little separator is especially adapted. Five men and two teams are required to make much of a show for a day's work in stacking grain. One more man and a third team are a fair thrashing crew for my outfit, although it is handier to have one team for the grain wagons. I use two double-box wagons. The grain is delivered to the wagon by a swinging spout on either side of the machine and requires very little attention until the box is nearly filled. All the men who have hauled my grain say it is easier to shovel it into the bins than to handle filled bags. The one who hauls to granary can attend to oiling the separator. The gasoline engine takes care of itself. There are then left three men to use three basket racks in hauling from the field, a man to feed and a man for the straw stack. It is handy to have a twelve- or fifteen-year-old boy to cut bands, but the feeder can get along pretty comfortably without him. So it is by this manner of thrashing, and with about the same crew that would be required for stacking, the grain is put under a roof—secure from the elements; the double action of stacking and thrashing eliminated and no further worry about a persistent canopy of clouds—and mist and rain.

I am sometimes asked how many bushels I can thrash in a day. I have not kept a particular record in this respect. I have been content to jog along satisfied with the thrashing faster than I could stack. In thrashing beardless barley last fall, short of straw and perfectly dry, it came from the grain-spout at a rate of at least a thousand bushels an ordinary day's run. My six-horse engine does not drive the separator to its full capacity. Careful feeding is required, the power being pressed to its maximum. I am satisfied with my investment. When the last bundle passed the cylinder last month I figured that after three seasons' use the machine did not owe me enough to worry about, and it is good for years and years yet. If I were to advise any one on the purchase of a new rig I would suggest a self-feeder, with, of course, more power than I have; an eight-horse engine would do—ten would be better. I would then say, "Have a good canvas cover for your separator, also for your machine; the battery-box, especially, must be kept dry. Thrash 'any old time' that your grain is fit to stack. If it rains, throw on your canvases and get busy at something else. When you see your best neighboring farmers building stacks go to thrashing again. And if you have three men of your own the ladies of the household, as they set the table for one extra at thrashing time, instead of sixteen, will say, 'You're an old darling.'"

City Ways in the Country.

Rural delivery, interurban trolley systems, and the telephone are bringing to the farmer much that has hitherto been enjoyed exclusively by city folks, with none of the noise, hurry, and worry of crowded streets badly ventilated homes and unsanitary conditions which are so frequently found in the city.

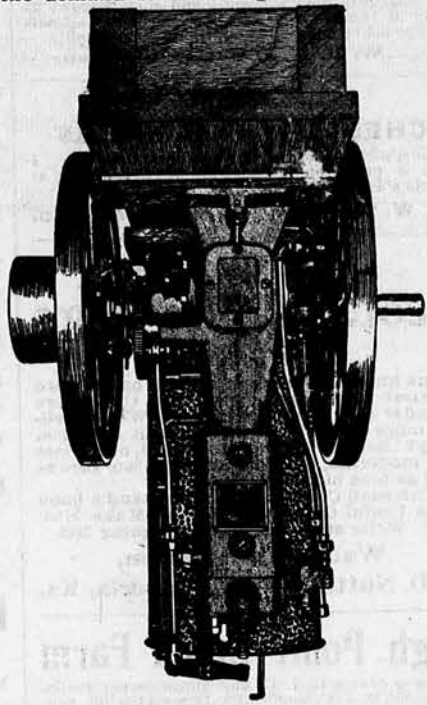
The farmer now has mail deliveries, communicates at will with neighbors and transacts his business by phone, keeping in close touch with the markets, to his great advantage, and all without the necessity of breaking into his work at a busy time. If need be, the trolley takes him to town in a jiffy. The result of this close touch with the world is that the country home is taking on more and more of the city's ways and comforts. In the matter of carpets, however, the sensible country housewife will stick to the good in-rain carpet, which covers the whole floor, in place of the city fashion of rugs and highly polished floors, which are not nearly so warm and require much more work to care for.

In this connection we call our readers' attention to the Lowell Ingrain carpet advertisement in this issue, telling of stylish Ingrain carpets which have been famous for fully seventy years.

We call attention to the advertisement of the Rock Island Implement Co. of Kansas City, Mo. This shows the Rock Island riding lister which has won popularity among farmers for the following reasons: It has no tongue, and can therefore be driven much closer to fences than any other riding lister. The bottom hangs almost directly between the wheels and it can therefore be turned around without lifting the bottom out of the ground. It is simple, and therefore much lighter than others, but on account of its pecu-

liar construction it is positively the strongest lister made. The driver sits immediately back of the seed box, and sees every kernel of corn as it drops, and again as it is being deposited in the ground. This is a fine farm tool and you will be pleased with it. Write for description and price.

For some time the Dempster Mill Mfg. Company have been manufacturing a two-horsepower four-cycle vertical engine, which has been so successful and is giving such splendid satisfaction, that they are putting in new machinery to assist them in meeting the demand for this engine. They are



now considerably behind in filling orders for their engines, and from indications will be obliged to work at their full capacity for some time to meet the demand for them.

The farmers and ranchmen of the West have been wanting an engine for pumping and other light work that would be so simple that a mechanic or gasoline engine expert would not be required to run it. The number of this class of engines they have bought of the Dempster Mill Mfg. Company would indicate that they have found it. For the construction of their gasoline engines, the Dempster Mill Mfg. Company employ a corps of skilled mechanics who have been specially trained in gasoline engine work. Every part is made by an expert on that particular piece, and after the parts are assembled into the whole engine, it is tested while running, by men who see that each part is perfect and all working parts are accurately adjusted.

Nothing but the best obtainable material is used in the construction of all their engines and every effort is made to see that each engine is as nearly mechanically perfect as first-class machinery and skilled mechanics can make it.

The Dempster Mill Mfg. Company is one of the very few firms making both the four-cycle and two-cycle type of gasoline engines and making a success of both.

At present, they are making two-, four-, and six-horsepower vertical gasoline engines of the four-cycle type. They will continue to build the horizontal two-cycle engine in all the sizes they have been making and expect them to find as ready sale as formerly. Their two-cycle engines are noted for simplicity, durability and steady, even power.

The gasoline engine is fast becoming a necessity on the farm. The Dempster Mill Mfg. Company were not slow to recognize this and are putting forth their utmost endeavor to supply their customers with a first-class, high-grade engine. Mention the Kansas Farmer and write them at Beatrice, Neb., or Kansas City, Mo., for details.

An Immense New Factory.

Another huge factory has recently been completed by the Ohio Carriage Manufacturing Company of Cincinnati, Ohio. It is a most wonderful collection of buildings and equipment but, by all odds the most wonderful thing about it is that the whole plant is devoted exclusively to the manufacture of one single kind of vehicle—the Split Hickory Special Buggy, which these people sell complete, for only fifty dollars.

This immense new factory is the only one in the world given entirely to the making of one style of buggy. Not another bit of work of any kind is handled in it. Not a part of any other vehicle of any sort or description is made here. All the men in this factory do is make Split Hickory Special Buggies.

The enormous demand for these buggies which has made necessary the building of this big factory, has been created through a new plan the Ohio Carriage Manufacturing Company have of selling direct to you. They let you use one of their \$50 Split Hickory Specials, with which they give a two year, legally binding guarantee, a month FREE to prove it is all they claim.

If you don't find it so, you can send it back. The entire policy of this concern is to sell direct and save all the expense of go-betweens and unnecessary handling for you.

In their other big factories, the Ohio Carriage Manufacturing Company make Spring Wagons, Surreys, Carriages, Stanhopes, Phaetons, Carts, Driving Wagons and a full line of Harness. All are sold direct to you and all are fully described and priced in the new 180 page Vehicle Book these people have just gotten out. They send a copy FREE to every one thinking of buying. A simple request brings it by return mail. Address The Ohio Carriage Manufacturing Company, H. C. Phelps, President, Station 251, Cincinnati, Ohio.

\$25 Kansas City to Portland, Tacoma, Seattle, Victoria, Vancouver and hundreds of Northwest points.

\$5⁷⁵ Cost of double berth from Kansas City in Tourist Sleeping Car leaving Union Depot 9.50 a. m., 6.05 p. m. daily.

This economical combination will be available any day from

February 15th to April 7th

Send me a postal to-day for particulars.

**Burlington
Route**

E. A. ABBOTT, Southwestern Passenger Agent,
823 Main St., Kansas City, Mo.

1962

Protected by Block Signals

Block signals are especially important during the winter months. The first railway in America to adopt the absolute block signal in the operation of all trains was the

Chicago, Milwaukee & St. Paul Railway

This railway today has more miles of road operated under block signal rule than any other line.

The Southwest Limited leaves Union Station, Kansas City, 5.55 p. m.; Grand Avenue, 6.07 p. m. Arrives Union Station, 8.20 a. m.

G. L. COBB

Southwestern Passenger Agent

Tickets, 907 Main Street
KANSAS CITY



IN GEORGIA & ALABAMA, as well as the most prosperous dairyman, the most thriving breeder of horses, mules, sheep, cattle and hogs, the most expert fruit-grower or trucker, is usually the Northern or Western farmer, who has located in those States in recent years and applied proper methods of culture. Thousands of others are coming this year and next.

WHY NOT YOU OR YOUR BOYS. No blizzards. No droughts. Average temperature forty-five in winter and eighty-five in summer. Rain-fall fifty inches, evenly distributed. Tax rates low. No hard winters to feed against. Open sheds. Ten months pasture. These are but few of the many advantages.

NOW IS YOUR OPPORTUNITY to duplicate the success of these men down South, through the extension of our main line from Atlanta, Georgia, to Birmingham, Alabama, in and between which cities two million people consume farm products. The highlands are intersected with wide grassy valleys, an inter-penetrated with streams of purest water. The alluvial soil of the valleys produce the heaviest possible yields of clover, all grasses, corn, alfalfa, etc., and furnish luxuriant pasture. The highlands are ideal for peaches, apples and other fruits, and the mountain lands afford good range for sheep and goats. Lands can be purchased at from \$2.50 to \$35.00 per acre, near town, and good schools. Terms easy. For handsomely illustrated literature and full lists of properties available throughout the South, address, mentioning this paper,

J. W. White, G.I.A., Portsmouth, Virginia, or H. B. Bigham, A.G.I.A., Atlanta, Georgia.
SEABOARD AIR LINE RAILWAY.

DUROC-JERSEYS.

D. M. TROTT Abilene, Kans., famous Duroc Jerseys and Poland-Chinas.

Write us for description on June. July and August pigs. Prices \$8 to \$10 each. Eight choice herd sows, guaranteed. Prices right if taken at once. **NEWTON BROS., Whiting, Kans.** Breeders of Registered Duroc-Jerseys.

COUNTY SEAT HERD DUROC-JERSEY SWINE
Geo. Briggs & Son, Clay Center, Neb.
Young stock for sale.

DUROC-JERSEYS—Large-boned and long-bodied kind. A fine lot of bred gilts for sale. Prices reasonable.
E. S. COWEE, R. F. D. 2, Scranton, Kans.

MAPLE AVENUE HERD **J. U. HOWE,**
Duroc-Jerseys **Wichita, Kansas**
Farm two miles west of city on Maple Avenue

Orchard Hill Herd of Duroc-Jerseys.
Please write for private sale catalogue of young boars and bred gilts and sows. **R. F. NORTON & SON, Clay Center, Kans.**

Fairview Herds, Duroc and Red Polled
A few spring boars and Red Polled Bull Calves for sale.

J. B. DAVIS, Fairview, Brown Co., Kans.

Sabetha Herd of Duroc-Jerseys
Geo. Kerr, Sabetha, Kans.
Specialty of bred sows and gilts. Two of the best boars in the country at the head of herd. Write for prices or call. Phone at farm.

GOLDEN RULE STOCK FARM
LEON CARTER, Men., Asherville, Kans.
Gilt-edged Duroc-Jersey Swine.

ROCKDALE'S DUROCS
I am offering my entire crop of spring gilts, fall yearlings, and six tried sows. All bred and safe in pig to Chandler's Wonder Paulina, Improve 3d, and Chief Perfection. Write your wants or come and see. Satisfaction guaranteed.

J. F. CHANDLER,
Frankfort, Kansas.

Highland Herd of Duroc-Jersey Swine

Sows by such noted boars as Improver II 13365, Eclipse 15439, Hunt's Model and Afton by Oom Paul 2d. Plenty of spring pigs sired by Cole's Duroc 15131, Hunt's Model 20177, Chapin's Duroc and Joe Folk by Belle Chief 2d. 20 boars for sale. When writing mention Kansas Farmer.

Grant Chapin, - Green, Kansas

CRIMSON HERD OF DUROCS

Our herd is headed by first Price Boar Crimson Wonder, 38755, jr., by Crimson Wonder, 26355, the great Boar Winner of many firsts, assisted by Kerr's Champion, 34469, this fine boar is now for sale, also some fine young boar gilts for sale, also some August and September pigs. Mr. and Mrs. Henry Shrader, Wauweta, Kans.

Duroc-Jersey Herd Headers

I have for sale a number of select and growthy males sired by Kansas King, he by Can't Be Beat; dam, Ruby Roy by Keene Gold Coin, high class top-notchers bred by R. C. Watts. Satisfaction guaranteed or no sale.

A. L. BURTON, Wichita, Kans.

Egypt Valley Durocs

Herd headed by Egypt Lad 34023. Stock always for sale. Choice fall boars and gilts, reasonable. Also six fine gilts bred to Lora's Lad to farrow in April; will also sell some tried sows. Write for prices and particulars. **H. W. STEINMEYER, Volland, Kas.**

THE FAMOUS FANCY HERD,
Duroc-Jersey,
BRED SOW SALE.

At Concordia, Kansas, February 13, 1906. Write for catalogue now.

POLAND-CHINAS.

Elm Grove Stock Farm Poland-Chinas.
Bred Sod Sale February 14, 1906.
At Osborne, Kans.

F. A. DAWLEY, Waldo, Kans.

DIRIGO BREEDING FARM.

Poland-Chinas for sale of the most fashionable strains. Herd boar R's Grand Chief by Grand Chief and out of Kemps Choice, Perfect Boy and Lucy Choice. 160 head in herd. Write me your wants. Satisfaction or no sale. **J. R. Roberts, Deer Creek, Okla.**

SNYDER BROS.

Winfield, Kans.

Breed and have for sale Percheron stallions, Polled-Durham cattle, and choicest strains of Poland-China hogs. Correspondence and inspection invited.

POLAND-CHINAS.

FOR SALE Poland-China Hogs, Helstein-Friesian Cattle, either sex. Best strains represented. **H. N. HOLDEMAN, R. R. No. 2, Girard, Kans**

A. AND P. SCHMITZ, ALMA, KANSAS,
Breeders of Poland China Hogs.
We have for sale at reasonable prices 10 gilts bred to Challenger 38349; also a boar pig by Comromise 88208. Write us for prices and full description.

Kansas Herd of Poland-Chinas has bred gilts and W. R. C. Leghorn cockerels. F. P. MAGUIRE, Hutchinson, Kans.

Look out for the date of **MAINS' GREAT ROLLER TRUST BROOD SOW SALE**
James Mains, Oskaloosa, Kans.

Oak Grove Stock Farm

POLAND-CHINAS

Best strains, good individuals. Choice fall pigs, both sexes, for sale at reasonable prices.

E. E. AXLINE **Oak Grove**
Missouri
30 miles East of Kansas City on the C. & A.
"The Only Way."
Long Distance Phone at farm, Jackson Co., Mo.

ROME PARK POLAND-CHINAS and BERKSHIRE BOARS

A few yearling and winter, and spring boars in special offer. Write at once. Also sows, gilts and pigs of either sex. Would take pleasure in showing them to you.

T. A. HUBBARD, (County Treasurer Office), Wellington, Kans.

Main's Herd of Poland-Chinas

A grand lot of spring and last fall pigs, sired by the great show hog, Empire Chief 30376, out of number one sows. They take on the large size and heavy bone of their sire. Sows including Empire Chief gilts, bred for fall litters to Roller Trust, he by High Roller, the Ohio champion. 240 in herd. Fed for breeders. Priced reasonable. Annual sale October 25.

James Mains, Oskaloosa, Jefferson Co., Kan

Maple Valley Stock Farm

The grand breeder Mo. Chip 2d is at the head of my Poland-China herd. My foundation stock is the best that money can buy and I guarantee my stock. Have a few more sows and gilts bred for spring farrow at reasonable prices. Correspondence solicited and visitors always welcome.

C. P. BROWN, R. 2, Whiting, Kans.

GUS AARON'S POLAND-CHINAS

Route 5, Leavenworth, Kans.

Choice young boars of April and May farrow sired by Beauty's Extension, for sale. Also bred sows and gilts, all with good colors, bone, fancy head and ears. The herd boar, Beauty's Extension 27966, for sale. Some snaps here. Visitors welcome. Mention Kansas Farmer and write for prices.

Elmont Herd of Poland-Chinas

FOR SALE—25 gilts, sired by Faultless Jr., sweepstakes winner at Hutchinson State Fair 1903 and 1904. These gilts are bred to Onward Perfection by Ware's Perfection, out of a dam by Missouri's Black Perfection. Quality and best breeding. Write to

JOHN D. MARSHALL, Walton, Kas

Spring Creek Herd of POLAND-CHINA SWINE

D's Ideal Sunshine and Chief On and On herd breeder. Sows and gilts of choicest breeding bred, for sale, to either Address

G. M. Hebbard,
Route 2, - Peck, Kansas

HIGHLAND FARM HERD OF PEDIGREED POLAND-CHINAS

Twenty serviceable boars at special prices for next 30 days, sired by Black Perfection 37182, Slick Perfection 32804, Perfection Now 32580, and Ideal Perfection. They are lengthy and good-boned pigs, with plenty of finish. Write me description of what you want and I will guarantee satisfaction.

JOHN BOLLIN, Route 5, Leavenworth, Kans.

200 HEAD POLAND-CHINAS

Kleever's Perfection 32855, sire of my show herd 1904. For Sale—My best sows are by him. He is near akin to Thick Set, and Keep On, royally bred and a great sire; also have spring boars and gilts sired by or bred to a son of Mischief Maker or of Corrector for sale.

W. R. PEACOCK
1-2 Mile Sedgwick, Kansas

J. F. STAADT,
Ottawa, Kans.
Sells Choice Duroc-Jersey Hogs
Feb. 28, 1906
WRITE FOR CATALOGUE

CHESTER WHITES.

O. I. C. SWINE

Choice young stock of both sexes for sale at very low prices.

S. W. ARTZ, Larned, Kans.

SUNNY SIDE HERD O. I. C.

I have three boars large enough for service, this includes my best herd boar Pomona Chief 8614, also ten good gilts bred for April and May farrow; 25 head of summer and fall pigs of both sex. I will sell the above hogs cheap considering the quality.

W. H. LYNCH, Reading, Kans.

World's Fair
CHESTER-WHITE HOGS
Shorthorn cattle, Oxford sheep and Peafowls. I won 13 prizes on 14 head of Chester-Whites at World's Fair, 1904. Four herd boars in use.
W. W. WALTIRE, Peoullar, Mo.

O. I. C. Hogs

Scotch Collie Dogs

B. P. Rocks

One hundred grand pups sired by the two greatest stud dogs in the west, Cragmere Wonder and Brandane Noble. We are selling more Collies than any firm in America. Why? Because we have the blood, our prices are moderate, and our dogs are workers as well as blue blooded.

With each Collie sold by us we send a book "The Useful Collie and How to Make Him So." Write at once for they are going fast.

Walnut Grove Farm,

H. D. Nutting, Prop., Emporia, Ks.

High Point Stock Farm

I have choice O. I. C. and Duroc-Jersey males. Also bred O. I. C. and Duroc-Jersey gilts for sale. S. P. Rock cockerels and eggs in season. Write or come and see

J. R. EBERT,
Route 3, Hunnewell, Kas.

PRIZE WINNING O. I. C. SWINE

Sows and gilts bred to Kerr Dick, sire to World's Fair Junior Champion, or by Kerr Dick and bred to other equally good sires. Also fine crop of spring pigs from such sows as Big Mary, grand champion at St. Louis, Kerr Una, Silver Mina and others. Headquarters for Boars and Gilts. Write me.

O. L. KERR, Independence, Mo.

O. I. C. THE WORLD'S BEST SWINE

200 head all sizes, both sexes, singly, pairs, trios or small herds. A large number by Norway Chief 12363 grand first and sweepstakes boar Nebraska State Fair, 1904. Top quality. Rock bottom prices. Write to-day for prices to

FISHER LIVE STOCK CO.,
Hastings, Nebraska

BERKSHIRES.

BERKSHIRES

From the best breeding that can be had, for sale at all times. Male and female, bred and open. Prices and breeding that will suit you.

J. P. SANDS & SON, WALTON, KANSAS

CEDAR LAWN BERKSHIRES My sows are sired by Elma's Prime 46778, and Berryton Duke 72946. Boar at head of herd, Jourist topper 75277.
Wm. McAdam, Netawaka, Kans.

Ridgeview Berkshires

Seven yearlings for sale, by Forest King 72668. Boars April and May farrow; good ones at reasonable prices. Order quick and get first choice.

MANWARING BROS.,
Route 1, Lawrence, Kans.

SUTTON'S BERKSHIRES

Imported Blood

30 extra choice Boars, 100 to 150 pounds.
40 extra choice Gilts, 100 to 150 pounds.
Fancy heads, strong bone and all-around good ones. Bargains at \$15 to \$25 to close quick.

Chas. E. Sutton, Russell, Kansas

BERKSHIRES

My Berkshires are fresh blood of the most popular families, as good as money can buy. In size and quality the herd has no competitor in the State and we make pork of the kind others "sell at pork prices."

E. D. KING, Burlington, Kansas

KNOLLWOOD BERKSHIRES

Pacific Duke 56691, the 1,000 pound champion show and breeding boar from herd of S. B. Wright, Santa Rosa, Cal., bred by N. H. Gentry; Model Princess 60124, by Halle 60125, sweepstakes Pan-American sow; Stumpy Lady 58409 by Combination 58028, sweepstakes Kansas City and Chicago 1902. Lee's Model Princess 62514, the 1180 daughter of Governor Lee 47971; Lady Lee 99th 65035, the 1180 daughter of Lord Premier 50001, and other "Blue-Bloods." Sows bred to 3 grand boars and young stock for sale.

E. W. MELVILLE, Eudora, Kans

BERKSHIRES.

EAST RENO BERKSHIRES.

For Sale—One March gilt and choice young boars ready for service; also choice fall pigs, both sexes. All of the famous Bl. Robinhood, Berryton Duke and L. Premier strains. **A. D. Willems, Inman, Kans.**

ABERDEEN-ANGUS.

THE SUNFLOWER HERD PURE-BRED

Angus Cattle

Herd headed by HALE LAD 30645. Herd numbers 250 head, the largest herd bred by owner in America. Stock for sale Address **PARRISH & MILLER,**
Hudson, Route 1, Stafford Co., Kan.

RED POLLS.

ENGLISH RED POLLED CATTLE—Pure-bred Young Stock for Sale. Your orders solicited. Address L. K. Haseltine, Route 7, Springfield, Mo. Mention this paper when writing.

COBURN HERD OF RED POLLED CATTLE
Herd now numbers 115 head. Young bulls for sale.
GEO. GROENMILLER & SON,
ROUTE 1, POMONA, KANSAS

RED POLLED CATTLE AND POLAND-CHINA SWINE.

Best of breeding. Write or come and see **CHAS. MORRISON & SON, Route 2, Phillipsburg, Kans.**

BEULAH LAND HERD

World's Fair Winning Red Polled Cattle
Young Stock for sale.
WILKIE BLAIR, - Girard, Kansas

RED POLLED CATTLE

Of the choicest strains and good individuals. Young animals, either sex, for sale. Also breeders of Percheron Horses and Plymouth Rock Chickens.
Address S. C. BARTLETT,
Route 5, - - - Wellington, Kansas

HALCYON HOME STOCK FARM

Polled Durhams

Offer some fine blooky bulls about one year old.

C. J. WOODS,

Chiles, Miami County, Kansas

HEREFORDS.

Registered Herefords

Individual merit and choicest breeding. Dale Duplicate 2d at head of herd. Correspondence solicited. **A. JOHNSON, Clearwater, Kans.**

Vermilion Hereford Co., VERMILION, KANSAS.

Boatman 56011 and Lord Albert 131557 head of herd. Choice young stock of both sexes for sale.

E. E. Woodman, - Vermilion, Kansas

Modern Herefords

Herd bulls, Protocol 2d 91715—Beau Beauty 192235, and Printer 66684, the best living son of the great Beau Brummel. Young bulls, cows and heifers for sale.

Robt. H. Hazlett, El Dorado, Kans

Blue Valley Herefords and Poland Chinas

A fine lot of young bulls and heifers for sale cheap. Bulls from six months to two years old. Also a grand lot of Black Langshan, Buff Cochins and Barred Plymouth Rock Cockerels for sale.

COTTRELL BROS., Irving, Kans.

GALLOWAYS.

A choice lot of young bulls and heifers for sale. Come and see them.

O. E. MATSON,
Farley, Kans.
Breeder of Galloway cattle.

Farmer's Account Book and Ledger

Saves time and labor—a few minutes each day will keep it; systematizes farm accounts in every department; shows in the simplest manner how to increase profits and decrease losses; endorsed by farmers everywhere. We stand ready to refund the purchase price on every book not found satisfactory. We deliver this book postpaid, including the Kansas Farmer one year, both for only \$2.50. Address,

KANSAS FARMER CO.,
Topeka, Kans.