THE KANSAS PARMER

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TOPEKA, KANSAS, DECEMBER 14, 1905

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## A QUESTION OF LANDLORD AND TENANT.

EDITOR KANSAS FARMER:—Will you kindly answer the following through the FARMER? A rents a farm of B for one year, with the privilege of five years if both parties are satisfied at the end of one year. Now, after three years, A is served with a 90-days' notice to vacate by the first of March. I would say that the contract has been broken by mutual consent several times. Can a case of this kind be settled in a justice-of-the-peace court?

Linn County. A SUBSCRIBER.

In considering questions like those presented by our correspondent, the editor is obliged to regard the statement of the facts as correct as understood on a reasonable construction of the language used. Such slight variation of statement as might be made by another in telling of the same matter would, in some cases, make a great change in the case and lead to entirely different conclusions.

It is not stated whether the terms of the lease were reduced to writing and signed by A and B or whether the contract was a verbal one. The Kansas Statutes, Chap. 112, Sec. 6, provide that a written instrument is neces-

performance of the contract, and will be valid for the full term of the lease."

While "part performance" of a contract amounts to a confirmation as shown in the above quotation, it should be observed that the holding of the court was not for a longer period than one year from the date of the implied confirmation, so that this decision is not out of harmony with that clause of Sec. 6, Chap. 112, which provides that a verbal agreement is not binding, except as it is to be performed within one year from the making thereof. The fact, then, that the agreement between A and B had been partially observed by the parties for three years would not make it binding for a longer term than the current year, unless in writing. In such case the agreement can be only from year to year, and three months' notice to vacate on the first of March is sufficient. If, however, the agreement is in writing and signed by A and B, the above-mentioned infirmities do not attach to it.

On the assumption that the agreement is in writing, the statement of "Subscriber" that the contract has been broken several times by mutual consent, gives room for some important questions. If the departures from

citations here made may help A and B to adjust their differences equitably and amicably. A fuller and more explicit statement of the facts would have made it possible to arrive at more definite conclusions. Often, however, in such cases the diverse views of the parties as to the facts are so great that only a jury can determine the facts and that after a full hearing.

Will it not be possible in this case for A and B to come together as men and with the law and the facts before them settle the matter in a more equitable manner than could a court and jury?

#### A NEW ORGANIZATION OF FARMERS.

The Kansas Farmer is able to present on another page what appears to be a condensed statement of the organization and purposes of the Farmers' Educational and Cooperative Union, from the pen of Clyde Z. Curlee, secretary-treasurer of the Woodward County, Oklahoma, Union. Mr. Curlee has also favored us with a copy of the official proceedings of the Indiahoma State Union and a paper containing an appeal from the Executive Com-

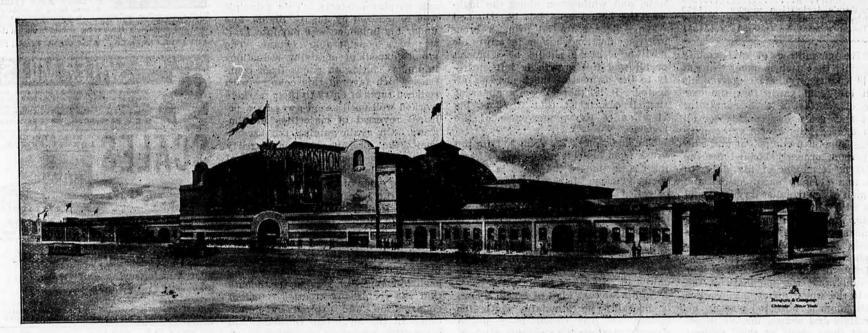
mittee on development made to and adopted by the Indiahoma State Union:

"We, your committee upon the formulation of plans for the distribution of statistics and information, and for devising plans whereby the products of the farm may be marketed profitably and systematically, beg leave to report as follows:

"We recommend that the following plan be adopted by the Local Unions in Indiahoma: Concert in planting, cultivating and gathering, as well as marketing, all staple crops as follows:

"1. That each member shall report to the secretary of his local union the number of acres and condition of all crops planted or to be planted by him during the ensuing year.

"2. Local secretary to compile same and make report to county secretary who will compile all local reports and send to State Secretary; State Secretary shall compile said reports and send same to National Secretary; and when said National statistics shall have been compiled, the National Secretary shall report the same back to each State Secretary, who in turn shall report the same back to the coun-



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sary "upon any contract for the sale of lands, tenements or hereditaments, or any interest in or concerning them; or upon any agreement that is not to be performed within the space of one year from the making thereof."

On this statute the Supreme Court held, however, 31 K, 274, that "Where the owner of a piece of land, through his agent and by parole, leases the said land for the term of six years, the lease is void under the act relating to frauds and perjuries [above quoted]; but where the lessee by virtue of the leased property, and continues in possession thereof for over five years, such lease will be taken out of the statute of frauds by virtue of a part

the terms of the contract have been slight, they would not probably imply an abrogation of the agreement. If, on the other hand, the departures have amounted to abandonment of the contract, even though it were in writing, the substitution of other agreements not in writing might change the lease to a year-to-year arrangement, as in all oral or parole agreements. In such case the three months' notice given would be sufficient.

Under Chap. 103, Sec. 99, also under Chap. 121, Sec. 31, justices of the peace are given authority to hear cases of this kind, provided the title to the land be not involved and the amount in dispute is not over \$300.

The editor indulges the hope that the

mittee urging members to sell their their cotton through the Union.

So far as appears, this organization seems to have avoided the features which have been fatal to the usefulness and perpetuity of many farmers' co-operative movements. The business showing made is a good one. It is to be hoped that designing and unscrupulous men may be kept out of all responsible positions.

The fact that a few cooperative enterprises of farmers have been successful through a considerable series of years proves the practicability of such enterprises. Where faithfully and ably managed, their benefits are seen in dollars and cents.

Following is the report of the com-

ty secretaries, and they to the local secretaries.

"3. Said reports to begin at first meeting in January and continue monthly through the year. And we recommend a minimum price of tencents per pound for cotton, one dollar for wheat, forty cents for corn, thirty cents for oats, seventy-five cents for potatoes, — for broom corn.

"4. We are not able, at this time, with the data at hand, to report more fully on prices of other farm products.

"5. We report further that for the current year, in order for uniform action and sale of crop for 1905 for cotton, each county or district shall secure one or more cotton-yards, under the control and management of the

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#### Cable of Contents &

 Feed, artichokes for.
 1247

 Grange department
 1256

 Influenza, treatment of.
 1252

 Kansas, some big things in.
 1257

 Landlerd and tenant, a question of 1243
 Liability on mutual insurance note

 —a hedge question.
 1244

 Little ones, for the.
 1251

 Oid probabilities (poem)
 1250

 Orchard, locating an.
 1246

 Poultry pointers
 1246

executive committee of said county or district; that each member resident of said county or district deliver his cotton into said yard; that the executive committee in each county or disrict may set a day of sale for all cotton offered; the executive committee may appoint a competent and suitable person, properly bonded for the faithful performance of his duty, to weigh and classify such cotton, and to furnish every member owner of said cotton with a list or lists showing the weights, number of bales, and the classification of the same. And we earnestly recommend that no Union man shall offer cotton for sale upon the streets of any town. We further recommend that the members of the Union in the wheat districts and other districts adopt a concerted plan at the proper time and season for the disposition of their crops of their several localities, by the advice of the bureau of statistics and of the executive com mittees of their counties, districts and

"6. And we recommend that the executive committee of each county or district take such immediate action as the occasion demands, to build cotton-sheds, elevators, coal-sheds, and to otherwise prepare for the sale and care of all farm crops and farm supplies.

"7. That a bureau of statistics and information be established by the National organization of the Farmers' Educational and Cooperative Union of America, said bureau of information and statistics to consist of a member or members whose duty it shall be, first, to obtain data in the past of the number of acres planted to cotton, the number of bales produced, and the price paid for same; also to obtain information relative to the wheat and

all other crops of the United States in the past years, basing upon this in-formation a foundation from which correct statistics and information can be compiled for future use, said statistician to report to the State Secretary of each State, as heretofore provided for.

"8. We further recommend that any county or district Union may establish a bank by which they may better protect and otherwise care for any deposits or funds of the Union or any others that may come into their care.

"9. That there have been submitted extensive plans of cooperation, which your committee respectfully asks time to consider, that they may formulate some general plan of cooperation in the near future."

#### LIABILITY ON MUTUAL INSUR-ANCE NOTE. A HEDGE QUES-TION.

EDITOR KANSAS FARMER:-1. If "A" insures his property in a mutual company and gives his note for \$30 and the company sustains unusual losses, can the company collect more than the note given?

2. B and C have adjoining farms and division fences are hedge. B believes it is to his interest to keep his part trimmed. C believes it to be more profitable to let his hedge grow. Can B compel C to keep his hedge trimmed? If not, can B trim the brush on this side of C's fence?

A SUBSRIBER.

The laws of Kansas, Chap. 74, Sec. 158, provide that "No member [of a mutual fire insurance company] shall ever be liable to such company or to any other person, for more than the whole amount of his deposit [or premium] note." This law has been held to mean what it says.

2. The laws of Kansas are silent on the question of trimming hedges, except those along the public highways. These laws provide very fully for the maintenance of division fences and for ascertaining what each party shall maintain. The Statutes everywhere assume that the purpose of the fence is to restrain stock. While hedges are recognized in the law as being useful for the protection of orchards, and while even along the highway the hedge need not be trimmed when adjacent to the owner's orchard, the question whether in any other position a hedge should be trimmed or allowed full growth is left entirely to the owners of the properties affected. It is, therefore, not apparent that B can insist that C adopt his view as to the proper care of the hedge.

The question of B's right to trim the brush from his side of the hedge forming C's portion of the fence is one of some delicacy. If the fence were one of rails, C would have a right to use so much of B's land as would accommodate half of the fence. But if C should seek to use more of B's land for this purpose than is needful for the kind of fence selected, C would become a trespasser and might be required to reduce the fence to the proper width for that kind of fence. There is probably no standard width for hedges, but the owner of a hedge should not allow it to assume a greater width upon the adjacent property than that needed for the purpose of a hedge fence. Certainly he should not object if his neighbor trims away the surplus brush from his side of the hedge, doing it in such a way as not to impair the efficiency of the

#### REVOLUTION AGAINST ABSOLU-TISM.

Those of us who live in this land of modern civilization are scarcely able to realize that one of the great nations of the world is just now in the throes of revolution against medievalism. Such is the case in Russia. Possibly the Czar's life may not be in danger, but from being the autocrat of all the Russias, absolute ruler of more than one-sixth of the land surface of the globe, he is little more than a prisoner in his castle, utterly unable to quiet

the disturbances in his capital, much less in distant provinces. His soldiers who were sent to fight Japan are reported to be in such state of mutiny that they are killing their officers; a portion of his war ships have been obliged to fight other of his ships to quell insurrection; many of his regiments have fraternized with the revolutionists; the industries of the country are paralyzed by a strike that is almost universal; irresponsible bands are pillaging throughout the country.

Count Witte who was chief plenipotentiary in the negotiations of peace with Japan has been placed in supreme charge of the Czar's government; but, at this writing, he has tendered his resignation. By the time these lines reach the reader he may have become the victim of an assassin's bomb.

The rule of the mob is uncertain rule. During the troubles some months ago a priest named Gapon had great influence with the people of St. Petersburg by reason of his appreciation of their grievances. These he presented to the Government, and so far as could be seen from this side, he was a true and wise friend of the oppressed. His death is said to have been decreed by those who just now are directing the uprising. His offense seems to be that he advised moderation in pressing the demands upon the Government.

Students of history find their minds constantly recurring to the preliminaries of the dreadful French Revolution and instituting comparisons with what is transpiring in Russia. Pity it is that advancement to political liberty should cost so much in human blood and suffering.

Those in this country who would invoke the "iron hand" for the suppression of discontent may well observe the failure of the iron hand after centuries of iron rule in Russia. No governmental measure is so strong as justice. No government, however well provided with the implements of physical power, is so weak as that which permits or commits oppression.

#### RECIPROCITY OR RETALIATION.

Reciprocal trade relations with other countries are essential to the maintenance of the best markets for American surplus products. This principle was recognized by Jas. G. Blaine, and under his influence was put into practice to a considerable extent. The simple expedient of giving reductions in import duties on goods from countries which favored this country with reduced rates of entry to their markets worked well until swept away by a political reversal of majorities in Congress. On again gaining the ascendency, the present dominant party promised the restoration of reciprocal treaties. The tariff, on many schedules, was made higher than ever before so that the rate might be reduced by reciprocal trade relations and still be left ample to meet the views of protectionists. The McKinley administration negotiated reciprocity treaties, but the trusts had found the excessive duties profitable and they were able to bring such influences to bear in the Senate that the reciprocity treaties failed of confirmation, and expired by limitation. In the meantime Germany and some other European customers which have consumed large quantities of American agricultural and live-stock products, enacted "dual" tariff laws. viz., one schedule for nations offering favorable trade relations, and a higher schedule for nations not offering such favors. Under present conditions the United States is not on the favored list. Many of our surplus products are therefore practically excluded from markets heretofore enjoyed.

Realizing the seriousness of the loss of these markets, producers affected held a great conference at Chicago last summer. This conference determined to ask Congress to enact "dual" tariff schedules for this country, the lower schedule to prevail only upon the order of the President in exchange for concessions on the part of other Nations. In the opinion of the conference, present schedules are high

(Continued on page 1254.)

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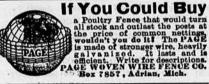
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#### DECENSIONED CONTRACTOR Agriculture

Fertilizing With Clover.

EDITOR KANSAS FARMER:-In last week's issue of the Kansas Farmer I saw an inquiry in regard to increasing the fertility of the soil. I give my experience with red clover during the last two years, hoping to help others. Previous to this time I had always sowed oats on ground sown to fall wheat, sowing broadcast in March or April. I so often failed to get a stand of clover that I determined to try sowing with spring grain. I plowed my ground from 6 to 8 inches deep, harrowed twice, then took a hoe-drill, with a seeder attachment, and sowed 2 bushels of emmer and 6 quarts of clove seed to the acre. On land adjoining this I sowed 21/2 bushels of Texas oats and 6 quarts of cloverseed to the acre, then harrowed the ground sown to emmer, and the oats ground was gone over with four horses hitched to a float 14 feet long. A man stood on the float while going over cloddy places.

The first year I cut 20 bushels of emmer to the acre, and the same fall thrashed 21/4 bushels of clover-seed to the acre. This I cut and stacked as soon as dry enough and after thrashing it made good feed for the cattle. The seed I sold for \$6.25 per bushel. This year I thrashed 31 bushels of emmer to the acre and 401/2 bushels of oats per acre but cut only 4 acres for clover-seed out of 30, which made 1/2 bushel to the acre. I have a fine stand of clover and it is fine pasture in connection with a field of cornstalks. The field sown to clover last year was mowed for hay this year, and made 11/2 tons to the acre. This fall I thrashed 11/4 bushels of clover-seed per acre, and have it plowed to plant in corn next spring. So you see, the first field has brought me in the two years four crops, and the ground is better for corn than it was two years

But I think a better plan is to plow the second crop of clover under when in bloom, just after a good rain, following the plow with a harrow so as to pack the ground and cause a vegetable mould as soon as possible, or pasture the land and plow late in the fall when the ground is in good condition.

Enclosed find check for \$1 to pay my subscription for one year. I think the Kansas Farmer is growing better, and after taking is 18 years, do not want to be without it. I consider it has been worth \$1,000 to me in that length of time. Success to the Kansas FARMER, and to all those who read it. Brown County. Chas. E. THUMA.

#### Preparing Alfalfa Ground for Corn.

I have some ground that has been producing alfalfa for the past ten years. Some of it is getting pretty thick with crab-grass. I thought I would put this ground into corn this spring and would ask your advice as to the best manner of handling the ground. Shall I plow or list it? Also, what kind of seed would you recom-D. R. GORDON.

Dickinson County.

The alfalfa land should be plowed. It would have been better to have plowed it late in the summer or early in the fall. I would plow it even yet this fall if the weather conditions remain favorable. Perhaps, however, it is practicable to depend upon only early spring plowing. Alfalfa sod is difficult to plow well, the plowshare should be kept very sharp and care should be taken to cut all the furrows turned in order not to miss any of the alfalfa roots. I would advise not to break very deep in the spring-probably three or four inches, and the soil should be well pulverized in order to compact it and prepare a proper seed-

We have always practiced planting with the level planter on alfalfa breaking. However, I believe the lister method of planting preferable, espec-

ially in your section of the State. The difficulty is that the large alfalfa roots interfere with the proper running of the lister, but if the ground is not plowed too deep so that the lister will run in the firm soil, I believe you may successfully list corn on the alfalfa ground. Since you will be obliged to plow the land to get it ready in the spring, you may not be able to plant at the earliest date. In any case I would advise to plant a medium earlymaturing corn, since we have observed that late-maturing corn on alfalfa ground is more apt to be injured by hot dry weather in the latter part of the summer than early-maturing corn. Large crops of corn are often grown after alfalfa, but care should be taken to plow the land the year before and cultivate it some during the fall in order to accumulate moisture and develop a firm texture in the seedbed. New alfalfa breaking is apt to be too loose and mellow, also is lacking in soil moisture, since alfalfa is a great exhauster of the moisture of the soil. The success of the first crop of corn after alfalfa, therefore, depends not only upon the conditions named regarding plowing and preparation of the seed-bed, but also upon the amount of rainfall after plowing. With a reasonably wet spring and favorable summer you may expect to produce a large crop of corn even by early spring breaking, but with little rainfall in the spring and a dry, hot period during the summer, the corn on new alfalfa breaking, as we have found, often fails to withstand the drouth and hot weather as well as corn on old land. The succeeding crops of corn after the first crop are more apt to prove successful than the first crop on alfalfa breaking. A. M. TENEYOK.

Bokahara Clover, Melilot.

We want all the information you can give in regard to Bokahara, or sweet clover. Is this the same clover as melilot, commonly known all over the country as a weed growing by the roadside and in out-of-way places? Is it a perennial or an annual? We write this believing that this will be a great acquisition to the pasturage plants in Western Kansas and other dry climates. We desire to know what you know of the plant and its possible adaptibility in this part of the country as a pasturage or forage plant. I notice in your report for the years 1901 and 1902 that it is a hay product and you rank it in value as equal to the common red clover. I also notice that in your analysis of it as a foodplant you do not rank it as high as alfalfa. Is it not possible that the reason it ranks below alfalfa is largely due to the location where the two are produced, and from which the analysis was taken? Do you not think it would make a much better showing if it had been produced in a dry climate, such as we have in Western Kansas?

I would very much like to have you give me as minute information as you possibly can in regard to it as a pasturage and forage, also a seed-plant. We have the reports of several gentlemen in regard to this plant and have accumulated quite a good deal of information in regard to it that makes it seem to us as being something very desirable for this climate and

Kindly give us all the particulars and if you do not have them within your reach, please cite us to authority where we can get them. If there is any information we can impart to you in regard to this plant, we will gladly J. L. BARTHOLOMEW. do so.

Wichita County.

This is MELILOTUS ALBA; it is the plant growing as a weed in many parts of the country. It is a biennial. Seed sprouting this year makes a certain growth, next year a much larger growth and throws up a seed-stalk, blossoms, fruits and dies. As to its value, farmers differ very much, some looking upon it wholly as a pestiferous weed, while others regard it a valuable plant. As far as I know, there is no difficulty in eradicating it from

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> A. M. FULLER, C. P. A., Topeka, Kans.

WHEN WRITING ADVERTISERS PLEASE MENTION THIS PAPER.



cultivated fields. Cut before the seedstalks are too large, it makes a hay which cattle eat very readily and do well upon. I think for this purpose it might be used much more than it is. As for pasturage, I have less information concerning the experience of others. In my own observation animals do not eat it readily, but in the spring of the year when it is young and before the heavy seed-stalks appear, they will eat it, and possibly by becoming accustomed to it they might eat it more freely. It has a rank taste which is not attractive. It has a feeding-value about equal to a good quality of red clover. I doubt if its inferiority to alfalfa is due to the location, neither do I think that production in a dry climate would make it

Perhaps you know that it is highly esteemed as a honey-plant; in fact, that which we have about here in our roads is said to have originated in seed sown by beekeepers of the town.

I will send your communication to our Professor of Agriculture, A. M. TenEyck, who may be able to give you additional information.

J. T. WILLARD.

There are two species of the melilot, or sweet clover, the yellow melilot and the white melilot. The species differ chiefly in the color of the flowers, although the yellow melilot appears to be a little hardier than the white; at least we find that this is the variety which thrives on the roadsides and in waste places in this locality. For my part, I consider the plant of little value as a forage or pasture crop; it is perhaps no hardier than alfalfa and is certainly much less desirable to grow, since it requires seeding every year, or at least every two years. The plants which start one year bear seed the next and then die. On account of this habit, as well as the fact that the fodder is not relished by stock, the plant is less desirable as a forage crop.

I would recommend that you try to grow alfalfa rather than sweet clover. You might experiment some by seeding the Turkestan alfalfa. This is a hardy strain of alfalfa which succeeds well in dry climates. A little seed of the Turkestan alfalfa may be secured from the United States Department of Agriculture, Washington, D. C. Another plant far preferable to the melilot is sand lucerne, botanically known

as Medicago media. This a perennial plant resembling alfalfa, and belonging to the same genus. It is a very hardy plant and appears to be especially adapted for light sandy soils in the States farther east, although it has been little grown in the West. You can secure sand lucrene seed from seed firms. The methods of seeding, culture, etc., for Turkestan alfalfa or for sand lucrene are similar to those adapted to the seeding and culture of A. M. TENEYCK. alfalfa.

#### Cow-Peas-Kansas Orange Cane.

I would like to drill some cow-peas for seed, but do not know how much seed should be sown per acre. Is drilling cow-peas with a wheat drill a successful method? I want to engage some cow-pea seed from the farm department after I am informed on the above subject. Do soy-beans compare favorably with cow-peas as a forage plant and soil-enricher and stock food?

I have the Kansas Orange cane, but believe there are other varieties of cane that will outyield it in seed-production. How do the Coleman and Kavanaugh varieties of cane compare with the Kansas Orange variety as stock-feed and seed-yielders?

I believe fall sown cereals will yield better than spring sown cereals in this latitude, therefore I would like to know what is meant by semi-winter barley and winter emmer.

LLOYD D. MARRIOTT.

Butler County.

When cow-peas are planted for seed it is usual to plant in rows about three feet apart, dropping the peas three or four inches apart in the row. Planted in this way it will require from a peck to a half bushel of peas per acre. The peas may be planted with a grain-drill by stopping up part of the seed-cups; setting the drill to sow two bushels of wheat per acre will plant the peas at about the right thickness. One of the best varieties for growing in this part of the State and in Northern Kansas is the New Era. We have a limited quantity of seed of this variety for sale, price \$2.50 per bushel. You can secure Whippoorwill cow-peas from Kansas seedsmen.

Soy-beans will produce as much or more grain per acre than cow-peas, but the varieties which mature well in this State, such as the Early Yellow, Small Green, Early Black, etc., do not make as large a yield of fodder as do cow-peas. The leaves of soy-beans drop very early, making the plant less desirable for fodder than cow-peas. I consider the cow-pea a better crop for the soil, also, especially on lands upon which these legume crops have not been previously grown. It appears that the bacteria which work on the roots of cow-peas are present uniformly on Kansas lands, at least in small numbers, while on new lands the soybean bacteria have to be supplied before the crop succeeds well. Without the bacteria being present, the legume crop does not increase the fertility of soil more than ordinary farm crops.

Coleman cane is an excellent, seedproducing variety and medium early in maturing. The Kavanaugh is a very late-maturing variety and I would not recommend it for growing in preference to the Coleman in your part of the State. The Kansas Orange cane is an excellent fodder-producing variety and is also a good seed-producer. Perhaps the best feeding cane is the Early Amber. This matures earlier than the other varieties named and seeds abundantly, producing a leafy, juicy stalk and this cane contains more sugar than the common fodder sorts. Some farmers prefer it for fodder to the common fodder varieties; it does not produce quite so rank a growth and makes an excellent quality of hay, maturing early. I met a farmer in Southeastern Kansas who harvested two crops of sowed sorghum a season, using the Early Amber variety. It will allow a little earlier planting perhaps than other varieties, and maturing in a shorter season, it will produce two crops where late-

maturing cane will produce only one. Semi-winter harley is the name under which we received this particular variety. It is a winter barley and not a spring barley, and also appears to be a hardy winter sortequally as hardy as the Tennessee Winter, to which it is very similar; in fact, I believe the varieties are the same. "Winter emmer" is a variety of emmer which we are developing at this station. In the fall of 1903 we sowed some spring emmer whichpassed the winter in good conditon, yielding 42.5 bushels of grain per acre last season. We sowed some of this seed last fall and hope to develop a hardy winter variety. There are also winter varieties of emmer. We have sowed a small quantity of two different varieties of winter emmer this

#### Borticulture

A. M. TENEYCK.

Moth Traps in the Orchard.

EDITOR KANSAS FARMER:-Will you kindly submit the following inquiry to the many readers of the FARMER who have had experience in the matter. I wish to learn the merits or efficiency in a lamp or light placed in orchards at night at the season of apple-blooming to attract and destroy the moths, for the destruction of which spraying is the usual remedy? I have had no experience in either. I find on inquiry of several orchardists, considerable doubt expressed as to the efficiency of spraying, and find some recommending the meth lamps or lights as being better and cheaper. If the latter are equally as effective in saving the fruit, I would certainly favor the use of lamps as against the more laborious trouble and expense of JOHN DEWAR. spraying.

Dickinson County.

Locating An Orchard.

G. B. BRACKETT, POMOLOGIST OF THE UNITED STATES DEPARTMENT OF AGRICULTURE.

The selection of an orchard site is not governed by any arbitrary rule. All farms do not afford the best soils and exposures for orchards. The owners of such as do not are unfortunate, yet they should not feel discouraged to the extent of not planting trees and caring for them afterwards.

Some kinds of soils and surface presentations are preferable to others, as they are better adapted to this fruit and require less expense in preparation and in the after care and treatment of the orchard. The most intelligent and experienced orchardists often differ as to the best location and exposure of an orchard, some preferring a northern slope, others an eastern, and yet other recommend a southern or even a western as best. We think, however, that the advantages proponderate in favor of a gentle eastern or northeastern slope, as orchards located on such sites suffer less in both soil and tree from the effects of heat and drouth. An orchard with such an exposure will - maintain its vigor and longevity better than if inclined to the west or southwest. This is especially true in States south of the New England group, where the summers are long, hot and dry, and where it is probable that the greatest injury to trees results from these causes. But, as stated above, all farms do not afford these most favorable sites, especially near the home, which is the most desirable location for the family orchard. Thus the planter will often be forced to forego such a location and take his chances where the natural conditions are not so favorable. If possible, the site should be elevated above its immediate surroundings, thus giving a free circulation of air; and it will also be of great aid in guarding against late spring frosts, so fatal to young fruit trees at the blooming season.

Apple-trees will thrive and do well on almost any soil well prepared, but

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the different kinds of soil may require different treatment and after care.

A loamy soil is naturally rich in plant-foot, hence will need little, if any, manuring in its preparation. But it should be deeply stirred and thoroughly broken up by subsoiling. This loamy soil is what may be termed free soil, as it seldom becomes compacted, even by abusive treatment.

A clay soil is the most difficult to prepare, and often requires manuring as well as thorough plowing, replowing and subsoiling. It should be also frequently stirred during the summer months, and especially as soon after each rainfall as is practicable to prevent it from baking and becoming compacted. This becomes even more important in seasons of long and continued drouths.

Sandy soils are generally lacking in necessary plant-food. They also have the objection of losing such fertilizers as may be added by the leaching of

the rainfall. The wood growth of loamy soils will be strong and vigorous, but may not be sufficiently mature to withstand the freezing of the most rigorous winters. Clay beds are not so apt to produce such vigorous growth, and orchard trees on such land will be hardier as to winter-killing than are most other soils. With a free subsoil underlying it, a loamy clay soil will probably yield the best results, especially if it be well prepared by thorough culture and subsoiling before planting the trees. Timber lands or lands on which forests have formerly grown, if having the proper exposure and drainage, are preferable for orchard sites. Such lands contain all the elements of plant-food necessary to insure a good and sufficient wood growth and fruitfulness. Fruit grown on such lands will rank first-class in size, quality and appearance

All orchard lands should be thoroughly surface drained and subdrained. No orchard can endure for a great length of time with stagnant water either on the surface or within the soil. All surplus water from excessive rainfall or from other causes should be promptly removed by either surface or subdrainage.

If the natural formation of the land does not afford such prompt drainage it must be provided artificially. Surface ditches or furrows between the rows of trees may afford temporary drainage, but they are objectionable on other accounts that will be apparent; for an orchard thus drained will be bad to get over in its necessary care and in gathering and handling the fruit. Subdrainage is far better on these accounts; besides, it is much more thorough, especially if supplied with well-laid tile.

A thorough breaking up of the subsoil will afford temporary drainage in a stiff clay soil, but in a few years the soil will again become compacted, when it will require restirring. But in all cases the planter should be the judge of the special requirements of his soil and location as to drainage, etc.

"The Settlement of Disputes" is the subject of an article written by Justice D. J. Brewer of the United States Supreme Court for The Youth's Companion's new volume Senator Henry Cabot Lodge will contribute to the same periodical a clear and concise article, historical and unpartizan, on the relations between the United States and other nations.

#### Very Low Excursion Rates for Christmas Holidays

to all points on the Nickel Plate Road between Chicago and Buffalo. Dates of sale, December 23, 24, 25, 30 and 31, 1905, and January 1, 1906, with limit returning January 3, 1906. Rate one and a third fare for the round-trip. Individual Club Meals, ranging in price from 35c to \$1.00 and Mid-day Luncheon 50c, served in Nickel Plate dining cars; also service a la carte. No ex-cess fare. Chicago city ticket offices, 111 Adams street and Auditorium Annex. Depot, La Salle and Van Buren streets, the only depot in Chicago on elevated loop. No. 40.

### The Stock Interest

THOROUGHBRED STOCK SALES

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

20, 1905-J. R. Young, Richards, Mo., Poland-Chines.
December 21, 1905—Poland-Chinas. A. P. Wright,
Valley Center, Kans.
Dec. 20, 1905—J. R. Yeung, Richards, Me., Poland-

Valley Center, Kans.
Dec. 20, 1905—J. R. Yeung, Richards, Me., Poland-Chinas.
December 21, 1905—American Aberdeen-Angus Breeders' Association, Aberdeen-Angus, Chicago, Ill., W. C. McGavock, Manager.
Dec. 28, 1905—American Galloway Breeders' Association sale, Chicago, Ill.
Jan. 5, 1906—S. A. Converse, South Omaha, Neb., Red Polled Cattle.
Jan. 11 and 12, 1906—Oklahoms Improved Stock Breeders Association, Stillwater, Okla.
Jan. 17, 1908—Poland-China bred sows, H. E. Lunt Burden, Kans.
Jan. 18, 1908—Poland-China bred sows, Marshall Bros., Burden Kans.
Jan. 19, 1908—Duroo-Jersey bred sows, Marshall Bros., Burden Kans.
February 18, 1906—Jno. W. Jones & Son, Duroo-Jersey bred sow sale at Concordia, Kans.
February 18, 1906—Third Annual Sale of the Improved Stock Breeders Association of the Wheat Belt at Caldwell, Kans., Chas., M. Johnston, Sedy., Feb. 20, 1905—M. S. Baboock, Nortonville, Kans., February 21-22, 1906—Percherons, Shorthorns, Herefords at Wichita, Kans. J. C. Robison, Manager, Towanda, Kans.
Feb. 24, 1906—Percherons, Shorthorns, February 28 and March 1, 1908—C. A. Stannard, Gudgell & Simpson, Kansas City, Mo., Herefords.

#### Artichokes for Feed.

I would like information regarding the culture and feeding of artichokes. J. O.REA. Marion County.

The Jerusalem artichoke (Helianthus tuberosis), is grown in this country principally for stock food, particularly for hogs. The plant is propagated like the potato, by means of tubers, which may be planted early in the spring, as soon as the frost is out of the ground. It is usual to plant in hills three feet apart each way. Give about the same cultivation as required by potatoes; however, the crop will thrive with much less cultivation than is usually given to potatoes.

The tubers mature in about five months, and may be harvested like potatoes or left in the ground over winter. If grown for hogs, the usual method is to allow the hogs to root out the tubers, those remaining in the ground, as a rule, will start the next spring, thus renewing the crop. In the more northern climates, however, and even in Kansas, it is usually safer to replant artichokes each spring. The tubers may be readily kept by burying them in a pit, or they may be stored in a cellar. A good method of keeping them is to cover them with sand and soil in tight boxes or barrels.

The crop will thrive in almost any well-drained soil; it will thrive well on light, sandy or on gravelly soils which are too poor in fertility to produce profitable crops of corn and small grain. In wet land, however, the tubers will rot, and in preserving them through the winter it is necessary to keep them dry, although not exposed to the air, since when exposed too freely they wilt and dry out.

The yield of artichokes is usually greater than that of potatoes, an average crop on good soil and with good cultivation is three to six hundred bushels per acre. Artichokes have about the same food-value as potatoes, and from their composition appear to have about twice as much feeding-valuse as turnips or mangel wurtzels. "The Farmers' Cyclopedia of Agriculture" published by the Orange Judd Co., New York, N. Y., gives the composition of Jerusalem artichokes as follows: Water, 78 per cent; ash, 1.8 per cent; protein, 2.4 per cent; fiber, .9 per cent; carbohydrates, 16.8 per cent; fat, .1 per cent. This is about the same composition as corn silage; and in fact artichokes may be considered rather in the nature of roughage than concentrated feed. However, when fed in combination with grain, artichokes seem to have a very good effect on stock, acting as a tonic or appetizer as well as a food.

Little has been done with growing and feeding artichokes at this station. In experiments conducted at the Oregon Experiment station, hogs which were given the free run of an artichoke-field made a pound of gain for every 3.1 pounds of grain fed, while

seed grown for irrigated ground. Address MISSOURI SEED CO., 1427 St. Louis Ave., Kansas City, Mo. SEEDS





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# Farm Grasses of the United States

By W. J. SPILLMAN

Agrostologist, U. S. Department of Agriculture

An intensely practical discussion of the farm grasses of the United States of America is presented in this volume. It is essentially a resume of the experience of American farmers with grasses, and it is safe to say that no other work has covered the ground so thoroughly. No attempt has been made to give a connected account of all the grasses known in this country, but the aim has been rather to give just the information which a farmer wants about all those grasses that have an actual standing on American farms. The whole subject is considered entirely from the standpoint of the farmer, One of the most valuable features of the book is the maps showing, at a glance, the distribution of every important grass in the United States; and the reasons for the peculiarities in this distribution are fully brought out. The principal chapters treat on the grass crop as a whole and the relation of grass culture to agricultural prosperity, meadows and pastures; the seed and its impurities; the bluegrasses; millets; southern grasses; reduce, and or hard grass; brome grasses; grasses for special conditions; haying machinery and implements; insects and fungi injurious to grasses, etc. etc. The methods followed on some pre-eminently successful farms are described in detail, and their application to grass lands throughout the country is discussed. The discussion of each grass is proportional to its importance on American farms.

This book represents the judgment of a farmer of long experience and wide observations regarding the plan in agriculture of every grass of any importance in American farming, in its preparation its uses as a text book in schools as well as a manual of reference for the actual farmer has constantly been kept in mind. The book is most conveniently arranged and splendidly indexed, so that the reader may find any subject at a glance.

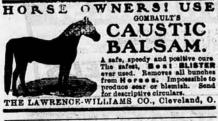
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#### T. C. DAVIS, Benedict, Kans.

Benedict, Kans., August 28, 1985, I have this day seld my interest in K. C. Dalley & Ce. to T. C. Davis, who will hereafter conduct the business in his name. Signed, K. C. DAILERY.

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REGISTERED SHORTHORN CATTLE On account of poor health I am compelled to close out my entire herd of thoroughbred Shorthorn Cattle and will offer them at Public Sale without reserve at my ranch three miles South of Dunlap and nine miles due North of Saffordville in Morris County, Kansas.

TUESDAY, DECEMBER 19, 1905

Fifty-eight cattle consisting of 21 registers Shorthorn cows, 3 to 7 years old; 10 2-year-old registered helfers; 10 1-year-old registered helfers; 10 1-year-old registered helfers; 10 1-year-old registered helfers; 11 registered helfer calves; 5 registered bull calves and 1 2-year-old Crulckshank bull. All the above stock in good condition and will be registered in the name of the purchaser except those that are now registered. All bred bred 2-year-old and over. Do not fail to avail yourself of an opportunity to secure some of this stock from one of the best herds in the State at your own price.

Sale to commence at 10:00 a. m. Hot coffee and free lunch at noon. Terms of Sale-A credit of six months will be given on approved paper.

Two per cent off for cash. J. B. Lamb, Auctioneer. J. S. Adam, Clerk D. P. NORTON, Owner, Dunlap, Kans.

where no artichokes were fed it required 5 pounds of grain for a pound of gain. At the Missouri Station one bushel of artichokes and three bushels of corn proved superior for feeding hogs, to four bushels of corn alone. At the same station it required 325 pounds of wheat meal and 825 pounds of artichokes to produce 100 pounds of gain in feeding hogs. F. D. Coburn, in his book on swine husbandry quotes A. C. Williams, an Iowa breeder of Poland-China hogs, as follows: "Forty head of hogs and their pigs may be kept, without other feed, on an acre of artichokes from the time the frost is out of the ground until the first of June, and from September or October until the ground is again frozen."

Artichokes are also readily eaten by horses, and may take the place of part of the hay ration. For feeding milch cows, at the Vermont Station, artichokes showed a feeding-value about equal to corn silage; however, the greater expense required to harvest the crop will hardly make artichokes a substitute for silage, but when hogs may be allowed to harvest them they make a cheap feed. I believe the crop should be more extensively grown by the farmers of this State, especially those who are engaged in the raising of hogs. With alfalfa to supply green feed during the summer and the roughage during the winter months, and with artichokes for late fall and early spring roughage, hog-raising may be made much more profitable and carried on with less labor than by the methods which are now in usual practice of raising hogs largely by feeding grain.

A. M. TENEYCK.

#### Cure for Warts on Colt.

EDITOR KANSAS FARMER-I SAW in the Kansas Farmer (Nov. 20) a cure for wart on colt's jaw. Tell the subscriber to apply the yolk of one egg and the same amount of salt made into a paste. Apply every day for three days. It is a sure cure.

Cowley County. R. B. WILSON.

#### International Live-Stock Exposition.

In trying times even those whose souls are not shaken appreciate the evidences of confidence which others entertain. Men are sure of a turn in the tide; they are rock-rooted in their belief of better things; they hold the future in high confidence, but they seek a sign. One of the most comfortable things in this world is a sign. It has been thus ever since the rainbow of promise was flung athwart the sky. Evidences of discouragement are found in the glut of cattle that has been flowing steadily marketward for weeks. Outlets have been clogged by their unwonted volume, prices have dropped and confidence has been shaken. It is idle for the moment to say that if our foreign markets had been open to us much loss would have been escaped. It is all true, but it does not help the man who took a part of the loss. But that there is confidence of the future opening of those markets will bring comfort and encouragement to many a feeder. That the industry is bound again to flourish is felt, is known, to those who have knowledge of the past and understand its relations to the future. And one of the most significant signs of this confidence is found in the large outlay now being made by the Union Stock Yard Company in the erection of the International amphitheatre. The full meaning of this fact should be studied by every farmer who uses his brains, and when he has mastered its meaning he should lend his individual aid in the work it is destined to do for the cattle industry by planning to be present at the International.—Breeders Gazette.

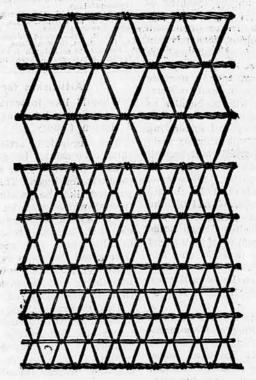
#### Gossip About Stock.

C. M. Hossack of Willard, Kan., announces the sale of M. W. Janes' thoroughbred horses, to be held on or about December 26. Watch for further announcements in this paper.

W. I. Reid, who has bred Poland-Chinas in Northern Shawnee County

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American Steel & Wire Co. SAN FRANCISCO **NEW YORK** DENVER CHICAGO

for several years, has recently purchased a pig for future herd-header sired by the St. Louis World's Fair champion, "Meddler." The dam of the pig is Perfect Lady U. S. She by Perfect I Know and out of Lady U. S. 2nd. Lady U. S. 2nd was dam of Chief Perfection 2nd. Mr. Reid is now using Reid's Perfection, a son of Chief Per-fection 2nd, 21701, and out of Tecumseh 2nd. She by Chief Tecumseh 2n

Kansas Agricultural Review, published by the students of the Kansas State Agricultural College at Man-hattan, is by far the handsomest publication of its class that comes to our table. It is well edited, nicely illustrated and beautifully printed. The last issue contains a half-tone print of Sunflower Lad, the first prize and champion Hereford steer at the American Royal. This steer was fitted and shown by the Animal Husbandry department of the college. The photograph was taken by the Kansas Farmer man.

A short time ago, Mr. F. D. Wiggins of Lawrence, Kan., placed a small advertisement in the Kansas Farmer, offering some Jersey cattle for sale. We fering some Jersey cattle for sale. have now received an order from him to stop this advertisement, as he has sold three car-loads of cattle through it. He write as follows: "Please dis-continue my advertisement as I have sold all the Jersey cattle that I can spare this year. Through the services of the Kansas Farmer I have sold three car-loads of Jersey cattle and can not spare any more now. I thank you for the excellent service you have rendered

McLaughlin Bros., Columbus, O., and Kansas City, Mo., writes: "This morning we received a cable message from our Mr. James B. McLaughlin saying that he sailed from London today, (Nov. 23) with ninety-nine stallions. This is out fifth importation this year. We have brought a larger number of horses from France than all of our competi-tors combined, but this is not the point about which we are the proudest, for it has been our good fortune to from France the best horses raised in that country. In a letter just received from Mr. James B. McLaughlin, de-scribing his present importation, he says: 'I have an extraordinary lot; a better lot of young horses never left France. We should be able to please the most fastidious. I hope to land a lot of them in good enough condition for the show at Chicago.'"

F. Chandler, owner of the Rockdale Herd of Duroc-Jerseys, Frankfort, Kan., makes a new announcement in his advertising card this week. Mr. Chandler is one of the Kansas Duroc breeders who has made a conspicuous success. Read his advertising card and you will be sure to want some of this

Meat

and Milk

It is not the amount of food consumed that counts in the manufacture of meat and milk but the amount of food digested and assimilated. Nature provides the necessary aids to digestion in Summer by green pasture containing laxatives which regulate the bowels and many other of Nature's tonics and medicines, but during the Winter, stock being deprived of this most essential part of the natural diet and subsisting on dry feed, the 50 to 80 per cent, of the food usually digested is often reduced to 40 per cent, or even to barely enough to sustain life with no gain in weight perceptible. Now, instead of permitting such conditions to decrease the amount of digestible nutrition and destroy air the profit, fee bunds of weight on the same amount of feed than ever before, besides keeping mals free from disease, return the empty sack and your money will be refunded.

DR HESS STOCK FOOD

stock. Thirty-five bred gilts and some tried sows sired by such great boars as Chief Perfection by Van's Perfection, Improved 3d by Improved 2d, Sir Bunceton by Ohlo Chief and Dandy Orion by Old Orion, 5963. There is no better blood in the breed and Mr. Chandler has always had the reputation of being a good feeder. The combination of good blood and good feed is what makes the hogs that will turn corn into money. These hogs are of the type that is most desired by Kansas farmers. Plenty of length and bone, with the finish that belongs to the best representatives of the breed are here and these things are what have made the Duroc-Jersey so popular in Kansas. stock. Thirty-five bred gilts and some the Duroc-Jersey so popular in Kansas.

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Owing to the lack of attendance at the Shawnee Breeders' Association sale of Duroc-Jersey swine, there were a number of these splendid animals that remained unsold. The hogs consigned to this sale, were the best in quality to this sale, were the best in quality and fitting that the writer has seen in a sale-ring in Kansas this year. They were very growthy and well fed and made a choice lot. They are now for sale at very reasonable prices and seme of them are bred in the purple. R. B. Marshall, of Willard, consigned a splendid lot that are of prize-winning blood. His herd boar, Parker Mc, 29283, by Brilliant, 9265, and out of Ruby Wonder. 30044, took second prize at Wonder, 30044, took second prize at the World's Fair, and his litter brother, May Boy, took first prize in the greatest show of Duroc-Jerseys the world has ever seen. His dam is also a famous prize-winner. This boar is the sire of most of the spring boars and gilts that are now for sale. There are some, however, that were sired by the 800-pound Royal, 29001, by Modest Tom, 10305, and out of Cholera Proof, 17184, that are fine. Also there is another bunch of good youngsters that were sired by State Liner, 31739, by Martin Boy, 28781, out of Goldie L., 48932. Their dam is Marshall's Pride, 42192, by Garrett's Orion, 28745, out of Fantassa 2nd, 69566, and was the highest-priced sow in W. F. Garrett's spring with Write to W. R. Marshall, Willard. sale. Write to W. R. Marshall, Willard, Kansas, and see if his prices do not please you. His hogs will.

Mr. Chas. Morrison, owner of the Phillips County herd of Red Polled cattle and Poland-China swine at Phillips-

burg, Kans., writes;
"The Red Polled are doing fine this winter. We have abundance of alfalfa and other feed. I sold last month three bulls to parties all living in Kansas. I also sold three fine heifers to Mr. Boyd of Virginia, Neb., two of them bred to my young bull, Launfal 13221, fired by the imported bull, Cassenoisette 10135 the other one bred to Actor 7781. I have a few more heifers and young cows I would spare; they are large and growthy, all of good milking strains. I have some very fine bull calves ready to ship, all deep, dark red, blocky, low-down, heavy-boned, lengthy, square and straight. Any one wanting a bull will do well to come and ette 10136 the other one bred to Actor lengthy, square and straight. Any one wanting a bull will do well to come and see the herd. Red Polls are in demand, the good kind for milk and beef, the best cattle for the general farmer to raise. I have 68 head in herd, and can not raise enough bulls to go around. I seldom have one a year old. The Poland-Chinas are in fine condi-I have had a heavy trade the last month. I have some fine boars ready to ship, and sows bred; gilts, open or bred. They are heavy-boned, lengthy, and the kind the farmer wants to feed. I am breeding 26 gilts to the fine yearling boar I bought of Peter Monral of Jowa. He is a fine breeder Mourn of Iowa. He is a fine breeder with plenty of bone and length. These

and Poland-China are the ideal stock for a farmer to have on his farm." The Rocky Hill herd of Shorthorns, belonging to J. F. True & Son, Perry, Kan., has in it a lot of that fine old Scotch blood that is so highly appreciated by breeders. Among them we note the breeding of some of the animals that Col. True had reserved for

gilts will please any one and the price

will be right. Come and see the stock. You will be convinced that Red Polls

mals that Col. True had reserved for the proposed Shawnee Breeders' Association sale which has been postponed. Because of the postponement of this Because of the postponement of this sale these animals are now for sale at private treaty. Among them are the three heifers that were sired by the red Scotch bull, Mayor, 129229, and one is by Sempstress Valentine, 157771, a son of St. Valentine. Both by Mayor and Sempstress Valentine were used at the head of the Rocky Hill herd for a number of years and very successfully. number of years, and very successfully. The four heifers named above are all bred to The Sultan, a red Scotch bull of outstanding excellence. The sire of The Sultan was the \$1,100 Imp. Day Dreams Pride, 204075, and his dam was Sunshine, a fine, large, red cow by the great breeding bull, Lord Thistle, 129960. And then there are the bulls, fine, lusty fellows. They are all red with heavy bodies and short legs that show their Scotch blood. One of them show their Scotch blood. One of them is a Butterfly, being out of Waterloo Butterfly, she out of the Ninth Butterfly of Valley Grove, by Lord Mayor, and tracing to Im. Butterfly 14th by Baronet. One of them was sired by Mayor and another is out of a daughter of Sempstress Valentine. They are the kind of bulls to buy if you want to raise market topping steers. Because ofthe postponement of the sale these animals and others or their kind are for sale. Write J. F. True & Son, Perry, Kan., and see if you do not like the prices they will make you on them.

Sunnyside Stock Farm, owned by H. H. Hague & Sons, Route 6, Newton, Kans., is doing business. They have long been known as breeders of an excellent type of Duroc-Jersey swine and Shropshire sheep, which they advertise in the Kansas Farmer. That they are well pleased with results obtained from the Kansas advertisement in Farmer is shown by the following quotation from a recent letter: "In remit-ting for our advertisement, we desire to tell you something of the good that has been done for us by the 'old re-liable' Kansas Farmer. We have just shipped a fine gilt to W. M. Oles and a sow and pigs to J. H. Gayer, both of Cottonwood Falls. We also sent a boar to Chas. S. Plasterer of Wichita, a Shropshire buck to J. G. Aken, Wichita, one Shropshire buck and two Duroc one Shropshire buck and two Dugilts to John Miller, Hutchinson. are advertising in other live-stock journals, but the Kansas Farmer has sold every head of our stock for us." They still have for sale the Shrop-shire herd ram Norton King (187439), which they offer cheap. He is 3 years old and can not be used in their flock any longer. They also offer two fine spring boars, sired by Russell's Hague, he by Sneed's Choice and he by McFarland's old Brilliant. The dam of

one of them is Miss Melrose, 79156, and the dam of the other is Daisy Perfec-tion, 79158. The latter sow has to her credit twelve blue ribbons won in the show-ring. They also offer a young boar, farrowed June 28, who was one of a litter of nine all raised and sired by who is very large and fancy for his age. He is offered very cheap. These good hogs are going rapidly at the prices he quotes on them and it will be Russell's Hague out of Wichita Pearl, necessary to act quickly if you want

Also manufacturers of Dr. Hess Poultry Pan-a-ce-a and Instant Louse Killer.

Instant Louse Killer Kills Lice.

A . P. Wright, who sells Poland-Chinas at Valley Center, Kans., De-cember 21, 1905, is calling his sale the blue ribbon sale, which is as descrip-tive as anything that may be written, but just a few words about the offer-ing are in order. First, the herd boar is Prince Proud, first prize and sweep stakes boar at Hutchinson State fair, who sired the herd winning as get of sire at this big show all breeds competing, and hogs on exhibition from five States. This hog was also a win-ner in his pig form at the Illinois State fair in 1903. As further evidence of the great breeding ability of this hog we find Proud Boy, also in the sale, the first prize senior yearling boar at Topeka and Hutchinson, who was also sire of the sweepstakes sow at the Topeka and Hutchinson State fair. He was a great hog, deep bodied, splendid head and ears, good bone and should be appreciated as a herd header for one of the good herds. Another boar which has been used in the herd is Correction by the great Corrector, whose dam is a half sister of Prince Proud. The first and second prize boars Smugler and Searchville at Hutchison were his get. Smugler is included in the sale. Also Toysy S that sold in the Baie. Also Topsy S that sold in the Deitrich & Spaulding sale for \$100 lately, proves him to be a breeder of more than ordinary merit, and he should please any one wanting a proven Corrector boar. Among the sows will be Modest, the first prize yearling at the Topeka State fair. She was by U. S. Perfection, a first prize winning boar and is safe in pig by the sweepstaker, Prince Proud. Oth-Miles herd; Banner Girl by the great Banner Tip-Top, four extra corrector gilts just a year old, two by Mischief Maker out of the dam by Perfector I Know, making them 3-4 the same blood of the champion Medler, and others all ers are Rose Chief fro of the champion Medler, and others all safe in pig by Prince Proud. Others by Prince Proud, bred to Correction, and some to Proud Boy. There will also be spring boars and gilts, litter broth-There will also ers and sisters, and including the prize winning young herds shown by Mr. Wright this season. He is really robbing his herd of the cream, selling the richest bred individuals it contains simply to make it the blue ribbon sale of the season. Breeders should appreciate this offering and arrange to attend, or at least be represented the auctioneers or field men, or other breeders. They are choice bred sows, and bred to the great boars, they will certainly produce litters which will add tone and produce attractions to any one's sale next year. An op-portunity to buy herd boars that have

write for same at once.

In most arguments the truth iz lost sight ov; the disputants roll up their sleeves and go in simply to win .-Billings.

# blood, nitrates to expel poisonous materials from the system, laratives to regulate the bowels. The ingredients of Dr. Hess Stock Food are recommended by the Veterinary Colleges and the Farm Papers. Recognized as a medicinal tonic and laxative by our own Government, and seld on a written guarantee at 5¢ per lb. in 100 lb. sacks; Except in Canada and extreme West and South. 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. Remember, that from the 1st to the 19th of each month, Dr. Hess will furnish veterinary advice and prescriptions free, if you will mention this paper, state what stock you have, also what stock food you have fed, and enclose two cents for reply. In every package of Dr. Hess Stock Food there is a little yellow card that entities you to this free service at any time. Dr. Hess Stock Book free, if you will mention this paper, state how much stock you have and what kind of stock food you have used. DR. HESS & CLARK, Ashland, Ohio sired winners, and the dams sisters and brothers of a like group of winners, with the winners included has not been offered in Kansas this year. If you offered in Kansas this year. If you have not already received a catalogue

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and read the December number. This number will be devoted exclusively to Christmastide and winter care of stock. Mr. C. E. Morrison will conduct a symposium of expert opinion gained from the experiences of stock breeders—East, West, North and South. You can afford 25c and learn \$25 worth. Write order now.

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# The Houng Folks

CONDUCTED BY RUTH COWGILL.

#### Old Probabilities.

Ever see that ole curmudgen
Up there in the weather steeple?
Jest sets there from night till mornin' Chawin' gum and makin' guesses, An' behavin' kind o' nasty When you want a spell o' weather Fit fer men ter go a fishin', Or to base-ball or the races. Every day, an' may be Sunday He jest sets up there "perdictin" Wot the weather'll be to-morrow. That remins me:—All last summer When the folks was busy plannin' Fer a State fair in September.
That old coot stood up an' told 'em
They could have their pick o' weather
'Bout the middle of September.
Said it honest like an' sober, An' the fair folks they believed him, An' went on about their business. An' went on about their business.
An' then when the fair was started,
He jest throwed the rain-gates open
Like they done with ole man Noah,
'Time that his big show was started, An' a lot of weather prophets Stood aroun' an' guessed, an' told him It would only be a shower,
Jest like Jennin's told the people
That first mornin' at the fair grounds,
Then turned roun' and let 'em have it
Right and left from start to finish.
He jest up an' lammed it to 'em,
Then the glouds to rags an' tatters. Tore the clouds to rags an' tatters, Shook down more'n a hundred showers On the race-track an' the stables, On the race-track an' the stables, While a lot o' hungry fellers Stood there bettin' fer a livin'. Drounded out the whole caboodle, Races, shows an' hogs an' cattle. Drounded every duck an' goslin' Farmers had there takin' prizes. Didn't even miss the air-ship, Tumbled that aroun' an' seaked it 'Till it couldn't fly a minute,-Couldn't earn a single nickel. Couldn't earn a single nickel.

An', when I got mad an' told him
Any fool could guess on weather,
For, I'd done it all my life-time,
He jest set there high an' mighty
An' looked down an' laughed an' gig-

At the way us folks was buncoed Then he thought he'd do another
Stunt in profisyin' weather.
So he sneaked off up the river
An' pulled down the blinds an' curtains, So the people couldn't see him, Or find out what he was doin An' when they waked up next mornin', Every farm along the river Was a lake, an' all the bridges Was jest tumbled topsy tury Then old Prob. come back an' hurried Up the stairway to his offis, An' in jest about a minit Made a bulletin, "predictin'" Some more changes in the weather, Such as—"damp" an' "moist" an' "hu-

"Wet" "misty," "soaked" an' "moldy"

With "increased percipitation," An' a spell o' "fallin' weather." Then he scooted down the alley, Through the rain to where the printers Had been waitin' roun' all evenin' Fer the weather-maker's copy. Then he handed in the paper Pompous like, an' told the foreman That he guessed the roof was leakin'. he guessed it needed mendin', Guessed the rain-gauge at the station Was a leetle out of order An' he guessed that needed mendin'. An' he guessed the town was kickin'
'Cause he didn't guess to suit 'em, But he guessed that folks would some day

Learn to guess a little straighter When they guessed about his guessin'. An' he guessed that may be some day He would meet a lot o' people In a place he needn't mention, With a warmer, dryer climat'. Where they wouldn't need umbrellers. Rubber boots ner mackintoshes.

-H. W. Roby.

#### Covadonga.

#### ANNA MARIE NELLIS.

From Oviedo we rode on the cars over a branch railway-up into the Cobadong range of the Cantabrian Mountains—for two hours, through the most enchanting scenery of all Spain. We followed the dearest little sparkling, trickling brooks; and then suddenly a rushing, gushing and splashing stream would delight our eyes. The road would be called "narrow gauge" in America, as it was surely very narrow the two cars and engine seemed only like "go carts" in size. Our journey took us to the very end of the railway —to Arriondas; and here we were met by our English friends with carriage, and a typical English "dog-cart." I selected the latter for my conveyance, much to my later chagrin and lameness after a ten-mile ride over the

rough mountain road and jogging about in the cart.

The path we followed up into the mountain was barely wide enough for two wagons to pass each other, if driven very carefully. Our way was shaded by delightful, green foliage of. the trees, with many little hill-knobs on either side; and directly in front, along the whole distance appeared the snow-capped "Picos de Europa"-the highest peak of the whole Cantabrian

The approach to Covadonga-the shrine of Spanish history, and cradle of its monarchy-is most bewilderingly beautiful to the eye. The scenery is wild, grand and even primitive in appearance. Many crystal cascades, bouncing through the dark foliage of the grand chestnut trees, gave freshness to the air, and a soul to the solitude. We passed through three small villages-so quaint and old-all of which suggested to us old Uncle Rip Van Winkle's home, with the old gentleman still up in the mountains some-

All the peasants in the little towns ran out after us, and greeted us as we passed. I asked our hostess why they showed so much astonishment at our appearance. She told us that she was the only English woman who had ever been among them, and that they never had even seen an American. So we did feel of much importance, as though we were a complete "side-show" and even a part of the main circus.

The tops of the mountains—all around Covadonga—are very rich in many different metals, and the mines are entirely worked by foreigners. Mrs. S. possesses a husband who has been the manager of these mines (employing over 3,000 men) for ten years, and she has a beautiful little castle home on the mountain top, which she calls Balmoral-after the late Queen Victoria's favorite castle in Scotland. Here in this Paradise (for so it seemed to me) is the most lovely spot I have ever seen—not yet molested by the tourist and traveler.

Balmoral stands directly opposite the grand old cathedral, which was erected here to commemorate our old friend Pelayo, who made this locality his general herding ground while he was collecting his warriors to whip the ungodly Saracen Moors so many years ago. Behind this Cathedral is the famous rock, 150 feet high, in the center of which is the renowned cave where Pelayo slept, and below it is the rushing, boiling river Diva, which forms, at this point, a glorious cascade 75 feet in height.

To this cave Pelayo retired with 1,000 warriors, according to some historians, while others say 300. I am inclined to think the number was less than 100 even, as the cave is only 21 feet by 12 feet wide. (Maybe, though, it has shrunk some in the past 1,000 or more years). Here he repulsed a large body of Moors (any number from 10,000 to 20,000, according to who may be telling the story), and this was the first licking the Moors had received in all Spain. This cave is now converted into a rude chapel, and is filled with pilgrims almost daily. At one side of the cave is a considerable rock, and on this Pelayo is supposed to have made his bed, when he had time to sleep. Even now the folks there claim that he is still sleeping under this rock, but we did not investigate. I have learned to believe about everything told me, when traveling in Europe.

Covadonga has about fifty regular inhabitants, but the little city is crowded daily, with pilgrims who come up from Arriondas on foot (10 miles), to worship at the shrine of Mr. Pelayo. Adjoining the cathedral is a very large "hospice," kept by the monks and the church fathers, which will accommodate 200 pilgrims.

I can not imagine any view more sublime, magnificant or enchanting, than can be seen, by moonlight, from "Balmoral." The snow-capped peaks so near by, the lower ones covered with beech woods, the grand cathedral. the cave, its chapel and the cascade+

all bathed in the clearest, purest moonlight furnished in any country on the face of the globe, furnish a pleasure to the eye, which is quite difficult to be equalled at any other point in the

We spent two of the happiest weeks of our lives in this lovely paradise; and we also went up, ten miles further. in the mists and clouds to visit the mines. "Would we go into the mines?" Well, yes! that is what we came up for. No other women had ever been in those mines, we were told-not even Mrs. S. We were placed on small electric cars and pushed into the mountain and let down-I don't know how many miles-to where the men were picking at the ore. Some of the workmen (so we were told) have spent their whole lives in these mines, never going out and down the mountain to any of the villages. We can not say we admired the location as a beautiful place for residence, and were immensely relieved when we were again lifted 'to the upper air."

I think that of all the beautiful places I have ever seen, Covadonga, in the Cantabrian Mountains, near the Bay of Biscay, is the loveliest and dreamiest of them all; such peace, solitude, quietness, restfulness can hardly be found in any other locality. But all good things must end, and so it was with our visit at Balmoral, for we must hurry on to Paris, doing Northern Spain and Southern France "en route."

We did not return to Ovieda, but had the pleasure of riding on a "special train" from Arriondas to Llanes, to which point only is the railway completed; but when it shall be completed it will connect Oviedo with Santander, which was our next stopping place. At Llanes we had to bid our Balmoral friends good bye, much to our sincere regret, and here we had to remain over night in a small Spanish townwhere an American had never been seen, I do believe. We had telegraphed for our rooms at the hotel, but we found the accommodations but the rudest kind of an inn.

After getting settled in our rooms, we remembered in time to hasten down to the shore, and get a view of the Bay of Biscay before dusk. There was a drizzling rain falling-about the first rain we had seen in all Spain. The little town and the many dykes and canals appeared much like the scenery in Holland.

On returning to the "Golden Lion" (the Waldorf-Astoria of Llanes), I inquired concerning the stage for Cabezon le Sal, where we were to reach the railway for Santander; we were told that it left at 3.30 in the morning, and down went our joyful spirits again. The maid promised to call us in time, and to have some one to escort us to the stage and post office. It being Sunday night, everybody seemed to be inclined to "stay up" quite late, singing, dancing, shouting, and I guess drinking liquor (like the Moors didn't useto-do) so that our sleeping chances were somewhat lessened. I had hardly reached the "land of Nod," when the maid rapped on our door and said, "Dos y Media, Senoritas") (half past two, young ladies).

We found the village night watchman ready to escort us, and on we started. I rubbed my eyes to see if I were still asleep; but, no, I was not. Sure enough, it was a real man, and not a stage product. He was dressed in a dark-green and black doublet,

# AT ½ PRICE



with large sleeves, all slashed, with a hat on his head, also slashed and striped in various colors, with knee trousers the same. In his hand he held a long staff with a spear head at the end of it. As we came down, he droned out, in the most "unearthly" voice: "Three o'clock and all is well." Of course he didn't say it in English -but that's another story. Preceding us he lead the way, his lantern giving sufficient light for the purpose.

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#### For the Little Ones <del>გიიიიიიიიიიიიიიიიიიიიიიიიიიი</del>

Wee Bessie's Mistake.

Our little Bess, a dainty maid Whose summers number five,
Tripped off to school with lightest

The last one to arrive.

Small wonder, then, that all the words Upon the teacher's chart, To her seemed funny zig-zag marks She could not tell apart.

But still she tried with might and main And was so happy, when From all the big long list of words She knew by heart, "the hen."

That afternoon the teacher said, Now, children, with our pen, Ve'll write this letter;" then she made A little letter "n."

"Does any little maid or man Know what we call this sign, That we must write with greatest care, Upon the straight blue line?"

Our Bessie's eyes shone bright with joy;

Her time had come again, "Please ma'am," she said in eager tones.

"That is the tail of the hen." -Elizabeth Carlysle.

#### What Grandma Saw.

Grandma had been out riding with papa late one afternoon.

"What did you see, grandma?" asked Lutie, after she came home.

"What do you s'pose she saw?" asked Carl, pettishly. "She only rode up to the farm; there's nothing there to see."

"But I'm sure she did see something worth telling of," persisted Lutie stoutly, "for she always does, wherever she goes."

"Well, I did see something very funny," said grandma. "I laughed all to myself over it.

"I sat in the carriage a long time, while your father went into the field to see Mr. Smith.

"There was a whole family of turkeys, young and old, going to bed for the night on the pasture fence, and in the pasture was a little colt, as full of fun as he could hold.

"When the turkeys were finally settled, after a great deal of fuss and flutter, he went up to the fence, and, rubbing his nose along it, sent every one of them off on the ground.

Then he ran off, kicking up his heels as though he thought he had done something funny.

"Then the turkeys had another season of going to bed, and they acted so sleepy and stupid about it, while the colt nibbled grass and paid no attention.

"But after they were settled, he came up and wiped them off again, then ran off kicking up his heels as before.

"I laughed aloud, and just then your

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TELEGRAPHY

Allen Woods, Pres., Chillicothe, Missouri.

# The Kansas State

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PRES. E. R. NICHOLS, MANHATTAM, KANS

father came, and we drove home."-M. C. W. B., in Youth's Companion.

#### Grandmother's Garden.

All of these little boys and girls may not have a dear grandmother, and, even if they have, perhaps she does not have a garden.

But one little girl whom I know has a dear, white-haired grandmother, who owns a large, square garden full of sweet, old-fashioned flowers, It is about something which happened there one lovely June day that I have to tell.

The big, round sun was very bright that day, and the sky was as blue as blue could be. Little birds were flying by, perching on the trees and singing happily. The clumsy bumblebees were buzzing over the sweet flowers, and now and then a dainty little humming bird poised over a lovely flower cup, and dipped her long bill down into the honey which was hidden there.

This garden was a beautiful place. All the birds, the bees, and even the tiny insects loved to come to it.

Down by the corner of the fence grew a damask rose, and close beside the rose was a honeysuckle and a patch of mignonette. To-day the rose had opened. One by one she had folded back her petals until her golden center lay exposed to the beautiful day.

"How beautiful the world is," she whispered, as she looked around.

"Indeed, it is," cried the honeysuckle, reaching down his pink and yellow blossoms to greet the rose. "And, the longer you live in this garden, the more beautiful the world sæms."

At this moment the mignonette, who was only budded, said, "I can hardly wait until I am open, that I, too, may see the beauty about me."

But the tall lakspur across the way sighed, and shook his tall stalk.

"I wish I had sweet perfume like the rose and mignonette," he said, sorrowfully. "When the people come into the garden, they pass me by. It is because I am not sweet."

Then the tall sweet-mary stalk, with its long, awkward leaves, stirred, and said:

"But you must not complain; for you have beautiful blue flowers, while have only stiff green leaves."

"That is true," said the larkspur, thoughtfully.

"Neither of you people have to go to sleep before sunset," chimed in the little four-o'clock.

"Nor do you close when the bright sun shines on you," said the gentle morning-glory.

Just then a very large bumblebee came along and stopped to listen. By this time all the little pansies were listening, as well as the sweet-william, the hilotrope and the phlox.

"Do you know what I think?" asked the bumblebee.

"No." cried all the flowers at once. 'What do you think?"

"I think God made you all beautiful, each little flower and leaf and bud, and that He wants you all to be very glad that you are just as He made you."

The flowers all looked at each other, then at the beautiful garden in which they lived, and at the bee, who watched them solemnly.

"It is nice to be a big red rose with a golden center," said the damask rose.

"It certanly is nice to climb up about the windows, and send sweet perfumes in to greet the people," said the honeysuckle.

"I am glad I am only a humble little flower," said the mignonette.

"And I am glad I'm tall and blue," said the larkspur to sweet-mary, who answered:

"And I am glad that I am as God made me, just green and sweet."-Helen T. Preble, in Christian Register.

The vitality of the snall is remarkable. One that was glued to a card in a museum for four years came to life on being immersed in warm water. Some specimens in the collection of a naturalist revived after they apparently had been dead for fifteen years.



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The Youth's Companion promises as one of the features of its next volume one of the best things ever written by the popular author of "Beside the Bonnie Brier Bush"-"Ian Maclaren" (the Rev. Dr. John Watson). The surroundings and conditions of a small farmer in Scotland, his wife, his children, his house and his acres, are intimately described, and although minute in details, the article has many touches of characteristic humor.

Them folks who never look ahed, but allwuss look back and around them, and akt ackordin, are a-going to learn the most and suffer the least .- Billings.

#### A Responsible Party.

Wendell Phillips, the Abolitionist, never permitted a negro slave to wait on him. One day in Charleston, S. C., he came late to the dinner table, and when a negro attempted to serve him, he asked, "How long have you been a slave?"

"I ain't got no time to talk about dem foolish questions," . the slave replied, "wid only five minutes for dinner."

Mr. Phillips told the man to leave the room; that he would wait on himself. "I can't do dat, suh," said the waiter, "cause I is 'sponsible for de silber on de table, suh!"-What to

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# The Bome Circle

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#### Worthiness.

Whatever lacks purpose is evil;
A pool without pebbles breeds slime,
Not any one step hath Chance fashioned,
On the infinite stairway of Time.

On the infinite stairway of Time. Nor ever came good without labor In toil, or in science, or art;

It must be wrought out through the muscles—

Born out of the soul and the heart.

Why plow in the stubble with plowshares?
Why winnow the chaff from the

grain?
Ah, since all His gifts must be toiled for:
Since Truth is not born without pain,

He giveth not to the unworthy,
The weak, or the foolish in deeds;
Who giveth but chaff at the seed-time
Shall reap but a harvest of weeds.

As the pyramid builded of vapor
Is blown by his whirlwinds to
naught,

So the song without truth is forgotten—
His poem to man is man's thought,
Whatever is strong with a purpose,
In humbleness woven, soul-pure.

In humbleness woven, soul-pure,
Is known to the Master of singers;
He toucheth it, saying, "Endure!"
—Selected.

#### Balanced Rations. CELESTE M'AFEE FORBES.

There is a certain folly in allowing the expenditures to go beyond the income; and, as one writer says: "The greatest objection to folly is that no man ever made it pay."

We are, perhaps, in our effort to make the most of what we have, blinded by the thought that we are spending money for that which will, some day, be bread; and labor for that which will, at some future time, if not at the present, satisfy. In other words, we are making investments which we deem will eventually, in some line, count for increased possessions. But will they? Or is it only folly? Are we not in reality oftentimes spending money for that which is not and never will be bred; and labor for that which will never satisfy. And have not our unbalanced rations come, usually, as a result of these unnecessary, unwise expenditures?

Society has burdened us with some false conceptions, and we have come to believe it due, not only ourselves, but due our associates, that, primarily, we appear outwardly as well as they; that we entertain as society demands we should; that we do this or that for our children because it is deemed the proper thing required; that the outward appointments of our homes be worthy of the position to which society has delegated us; in short, that we walk as genteelly as is thought we should.

One might ask, "Whose life am I living, my own, or my neighbor's?" Shall my neighbor's expenditures, from a given income, determine the extent and object of my own? Will he, when the tangled web of my own overdrawn accounts has bound me, unwind my snarls? My problem, then, should be answered by my own real needs, my own real necessities.

I believe that half the folly of our unbalanced rations comes from just this erroneous thought—that we must, at all cost, "Keep up appearances." But the crying need is, not to keep up appearances, but to keep the real substance, the real thing itself. And what is this thing—this substance? Is it not whatever makes for truth, for wisdom, for justice, loving kindness, the brotherly love that seeks his own in another's good? "Another's good" should be emphasized, for there has been on the part of most mothers, the wrong idea of self-sacrifice.

Most of us have felt at times the necessity of self-denial, in order that certain other demands might be met; and these denials, if rightly made, are great character-builders. But how often the wrong thing is yielded up, and for an unwise purpose, and the result, therefore, not the attainment of good!

In a home which I once visited—

and this is an instance familiar to all —there was a beautiful daughter. The mother, who was very talented, musically, had not been able in her youth to gratify her own ambitions; therefore, in the daughter's early years, without reference to taste or talent, she planned for her a musical career, and every possible sacrifice to this end she cheerfully made. But one of the essentials in this arrangement was wanting. As the years went on it was discovered that the child had neither taste nor talent for music. Her one ambition seemed to be dramatic work and athletics. So at last the music was abandoned, but not till the mother had spent her youth, starved her own hungry soul, drawfed her own intellect by robbing it of sustenance, andwhat is more pitiable—had allowed a mental wall of separation to be built between herself and her daughter, because she had starved that divinely implanted yearning for the true, the beautiful, the good, in her own mentality.

George R. Peck said: "It may be wrong—but I can not help thinking that neither hereafter, nor here, does salvation lie in wheat, or corn, or iron."

There are homes where all the poetry and beauty are taken out of life, because the watchword there is "economy," "save." It is written on the bare walls, the empty book-shelves, the sunless rooms, the naked windows where no flowers are seen, the tables where no tempting dishes are ever set, the barren, chilly rooms where no guests ever come! and all the while the wind and rain and genial sun are filling the barns with garnered grain. That which was given by the All-wise Creator for man's upbuilding and spiritual and mental sustenance, has come to mean, "Raise more crops, to feed more stock, to buy more land." In spite of economy, is not the expenditure greater than the real income?

There are boys and girls here in Kansas who have been endowed with "certain inalienable rights of life, liberty and pursuit of happiness"; but they have been disfranchised—their natures warped. Their outlook on life has been too meager to give them one glimpse of the real beauty that lies beyond. They have had no companionship, nothing in common with that vital thing which we call "life".

We should, in our efforts to balance our rations, touch upon the vital points, and let go only those things that do not "make for eternity." Some one has said: "Don't let go of love, or love of romance; they are amulets against wrinkles." Massage the mind with love thoughts, beauty thoughts, and young ideals. Put variety into your own life. Monotony is a great age-producer.

Let us keep the outward surroundings and appointments of our homes as beautiful as we may; but above all things let us not neglect our mental homes. Let us keep them swept and garnished, and always worthy of the royal guests who are waiting to enter there. Then we will not, as the years go by, be laying up antiquated bodies and minds, nor a growing apathy for the society and interests of the younger ones; nor will we be putting aside our best asylrations as a mistaken sacrifice.

If we are adding to our larger sympathies true wisdom, a development of our best aspirations, a mind filled with love thoughts, then we shall have a reserve fund which will gain the truest comradship; and the "judgment of such a mind will have in 'ts household the harmony of "balanced rations."

The preceding paper was read by Mrs. Forbes at the regular meeting of The Western Sorosis Club, at the home of Mrs. A. A. Godard, 616 Taylor street, Topeka, Nov. 25, 1905.

Mrs. Forbes is the wife of D. H. Forbes, hardware merchant in Topeka, and they have a beautiful farm home at Cedar Heights, three miles west of Kansas Avenue, where Mr. Forbes is successfully raising one of the finest Shorthorn herds of cattle in the State.

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#### A New Book.

Those who are interested in theological discussion and the difference in church creeds, will perhaps enjoy reading "Herbert Brown," a new book of 300 pages, written by O. B. Whittaker of Lincoln, Kansas. With fairly graphic pen the author has pictured the dire results of self-seeking of the churches of different denominations following revival meetings, and culminating in the organization of a union church, whose creed was declared to be the Bible, self-interpreted by the individual members.

The temperance question and its problems add interest to the tragic phases of the story, into which is woven a thread of romance and some fine character sketching.

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#### Treatment of Influenza.

The proper care of the sick is more essential to their recovery than medicine. The physician is more particular about that part of it and more attention is given to the nursing of the sick than ever before. Statistics show a marked decrease in the fatality from diseases and it is partly due to this fact. The time is approaching when the little germ that causes la grip is about, and ready to take lodgement in the human body and, if conditions are right, will multiply rapidly. Those who have suffered from the effects know the result. Prevention is better than cure, and the observance of hygenic rules-keeping the general health good—is the best preventive of any disease. Cleanliness is most essential. It is said that foul teeth furnish a splendid place for the lodgement of germs of all kinds.

Breathing deep through the nostrils, especially in the pure air, lessens the chances for taking diseases.

It purifies the blood and sends it rapidly through the body, thus preventing the taking of cold. Below we print some suggestions for the treatment of grip, taken from "Health."

We have received some requests of late to outline a treatment of this common malady and while we cannot go into all the details of how to treat it, a few general principles may be given which will be of great advantage to those who give the disease sufficient attention in its early stages.

Influenza affects every part of the body. Sometimes its most marked symptoms are in the respiratory tract, or the digestive organs, and at other times its effects are felt in the nervous system. It is nearly always accompanied with irritation of the respiratory tract, and the importance of early treatment of this disease can not be over-estimated, as when it is left to run its course it nearly always produces chronic changes which leave permanent and harmful results in the system. When the disease is first contracted the whole system is more or less prostrated, and a certain amount of fever is present. The patient should at once take a hot bath. The effect of the heat will be to enable the system to rally from the depression which has come over it.

This bath should be taken in a warm room, and the patient should get out of the bath when thoroughly warmed and be wrapped in a hot blanket, with sufficient covering to make him perspire freely for a short time. From this he should get directly into a warm bed, being careful that the surface of the body is in no way chilled by making this change. Absolute and prolonged rest in bed until after all

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the fever has disappeared, and the principal symptoms have been ameliorated, is very essential. The patient should take only a mild liquid diet, drinking plenty of hot water, so as to increase the elimination of the skin and kidneys. If the bowels are not sufficiently free, they should be moved by means of large, warm enemas. If the catarrhal symptons are marked, they should receive attention. If the throat shows signs of soreness, a gargle of camphor water every twenty minutes will usually cure the condition. The nose should be sprayed with a solution containing from three to five grains of menthol to the ounce. If there is a marked soreness of the throat or chest, fomentations over the chest, followed with camphorated oil rubs, will do a great deal of good.

#### THE INTERNATIONAL SUNDAY SCHOOL LESSON.

COPYRIGHT, DAVIS W. CLARK. Fourth Quarter. Lesson XII. Mal. iii, 1-12. December 17, 1905. Preparation for the Messiah.

Tertullian calls Malachi "the transition-link between the two dispensations—the skirt and boundary of Christianity." The Jews call him the seal (because last) of the prophets. For this reason, if for no other, the book would have peculiar attractions. But it has high intrinsic merits aside from the mere accident of its position. Delitzsch affirms the language to be vigorous, pure, and beautiful; and Kohler, the reasoning to be concise and cogent. Jesus was familiar with Malachi, and interpreted his last words to be the annunciation of His own harbinger-John the Baptist. As one affirms, "The book makes an unspeakably solemn close for the Old Testament."

The age of Malachi was exceedingly degenerate. It had been better if the temple had been closed entirely than that such a hollow mockery of worship should be kept up. The tithes of the people were scant in measure and despicable in quality—moldy bread and lame lambs! If they had made such an offering to their civil governor he would have spurned it; and then they add injury to insult by attempting to defend themselves, and peevishly asking wherein they have despised, or wearied, or polluted, or robbed God.

No wonder that in the perspective of Malachi's vision the two Advents stand together, seem, in fact, to be one -the advent in mercy and the advent in judgment. As Lange says, "Malachi sees the great white throne in the background. The last book of the Old Testament is a perfect Mt. Sinai, quaking, flashing, thundering with the righteous indignation of Jehovah against the people whom He had lifted to heaven in privilege, but who were all unworthy of their exaltation. Who may abide the day of His coming? He shall be as fierce as the refiner's fire. He will be as caustic as lye or alkaline salt. He will burn like an oven and leave neither root nor branch.

But here, as everywhere in the Scriptures, the beatitude is placed over against the woe. If God's people, even at this late date, in spite of all their stout, hard, and insulting speeches against God, will only bring all the tithe (withholding no part of it) into the treasure-house, the sluices of blessing will be thrown wide open, and they will have more favor than they have capacity to contain.

# Club Department overome of account occount

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(1802).
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Chalitso Club, Highland Park, Shawnee County Ch alles Cub, Figure 2, Phillips County (1902).

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Progressive Society, Rosalia, Butler County (1903).

Pleasant Hour Club, Wakarusa Township, Douglas County (1899).

The Lady Farmers' Institute, Marysville, Marshall County (1902).

Women's Country Club, Anthony, Harper County
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Mutual Improvement Club, Vermillion, Marshall
County (1903). County (1903).
Preutis Reading Club, Cawker City, Mitchell County (1903).
Cosmos Club, Russel, Kans.
The Sunflower Club, Perry, Jefferson County (1905)

[All communications for the Club Department should be directed to Miss Ruth Cowgill, Editor C ub Department.]

#### MISCELLANEOUS PROGRAM. The Great West.

Roll-call-Prominent men of the West.

I. Settlement of the West.

II. The spirit of the West. III. The resources of the West.

I. From time immemorial the ancestors of the people who settled the West have been movers. Abraham came out of the East. The peoples of Western Europe are sure that they came from lands further east. The people of the British Isles came across the narrow waters separating the islands from the main land. The people of the Eastern United States crossed the Atlantic. The people of the Great West migrated almost on parallels of latitude from "the East."

The settlers of the Atlantic States got into trouble with the red men they found in possession. The inferior race shrunk away, fighting, from before the advance of the "pale faces." Man has always been belligerent. The stronger has usually driven the weaker. The aggressive instincts developed by use. By the time the migratory advance guard of the whites had reached the Great West there had been developed an instinctive belief that the red man possessed no rights that the whites need respect. Before the advancing host, the Indians disappeared like dew in the morning sun. Like a great wave the immigrants came, creating States, opening farms, building cities, founding institutions, developing an advanced civilization.

II. The necessity of overcoming many difficulties, of suffering many privations, of enduring many trials common to all, developed a spirit of aggressiveness, of brotherhood, of sympathy, of mutual helpfulness such as dies in older and richer communities. The people brought with them and retained the best that prevailed in the several communities from which they came. To a remarkable degree the inferior characteristics that any brought were discovered and eliminated in the cosmopolitan communities that were founded. The spirit of the West therefore became one of emula tion for the best.

III. The resources of the West, at first thought to be chiefly pastoral, have developed into remarkable agricultural productiveness. To these have been added mineral riches in great abundance. The resources yet to be developed under the necessities of a denser population are little real-

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#### Literary Notes.

EDDYSTONE

"The New Boy on the Old Farm." Naturally his father was somewhat doubtful of the new notions that John brought back to the old farm from the agricultural college, and Jehn certainly made some mistakes; but it was soon admitted by the farmer and his neighbors that the old place was improving in looks, and by and by it was seen that neither the time nor the money spent at college had been wasted. This is one of many articles the next volume of The Youth's Companion will publish during 1906. Its author is Prof. L. H. Bailey of Cor-

A revolution in the production of wheat is promised as the results of breeding and selection combined, and no man has done more to effect it than Prof. Willet M. Hays, Assistant Secretary of Agriculture. How the yield may be increased to over twenty-eight bushels an acre is shown in an article which will be a leading feature of the next volume of The Youth's Companion. The Companion has also procured an important article by Prof. P. G. Holden of the Iowa State College, who has done more than any other man to increase the corn-crop.

While preparing for his present expedition, in the ardent hope of at last reaching the pole, Commander Peary wrote for The Youth's Companion an

article of remarkable interest, explaining why he and other explorers face peril and the greatest hardships in a quest that has cost so much in human suffering. It is eloquent and vivid, and surely the best thing he has ever done in literature. It will be among the many attractive features of 1906.

The last article by the late Sir Edwin Arnold reached The Youth's Companion on the day of his death. It is an account of the Indian peasant and the animals dwelling round him, written with a graphic touch that gives the reader the impression of witnessing the scenes and incidents described. It is among the thousand and one attractions offered by The Youth's Companion for 1906.

#### TRAINING COLTS.

Perhaps you have trained colts with great success for 20 years. Do you think a Chicago bookkeeper can do it think a Chicago bookkeeper can do it as well as you can? Probably not. The man who is most successful in any kind of work is usually the man who makes a specialty of that particular thing. In the matter of shaving soap, the J. B. Williams Co., Glastonbury, Conn., have made a specialty for nearly three-quarters of a century, and naturally understand making shaving soap better than anyone else in the world. Common laundry or toilet soaps world. Common laundry or toilet soaps are not fit for shaving purposes. They make the face sore and irritated. If you want to try the "only soap fit for the face," write the J. B. Williams Co., Glastonbury, Conn., for a free sample. Their offer appears in another column.



#### RECIPROCITY OR RETALIATION.

(Continued from page 1244.) enough for the maxima, and the President ought to be authorized to offer reductions as inducement for corresponding reductions by customer. nations.

Word now comes from Washington that the dual-tariff idea is well received by even the trust beneficiaries of present rates. But these beneficiaris now affect to forget that present rates were made high with the expectation that they would be reduced by reciprocal treaties and are now insisting that present rates be made the minimum of the proposed dual schedules and that the miximum be made 25 per cent. higher.

Commenting on the bill introduced for this purpose Alvin H. Sanders, editor of the "Breeder's Gazette" and chairman of the American Reciprocity League says:

"Not having seen a copy of Senator Lodge's bill, we are not in a position to discuss it at length. Nevertheless it appears that the principle of a maximum and maximum tariff as demanded by the Chicago Reciprocity Convention of last August is conceded to be the correct method of meeting the foreign trade difficulties with which we are now confronted. It is something gained also to have this clear admission that it is time that something be done. To this extent, therefore, we certainly welcome the introduction of the Senator's bill.

"The proposition, however, to make the Dingley duties a minimum, adding a sur-tax of 25 per cent to establish a maximum can have no reasonable justification. It spells retaliation not reciprocity. It means commercial war, not an international exchange of commodities. It means a club where an olive branch should be extended The Dingley duties were purposely made higher than honest protection demanded in order to give room for trading under the now-expired Section 4 (reciprocity) clause of that bill. A high range of tariffs upon imports is therefore already in effect; duties so high in many cases as to force good customers: like Germany into a justifiable attitude of hostility. Senator Lodge proposes to give our European customers additional cause for refusing to trade with us. He proposes to give the tariff still another twist upward. Speaking for the great agricultural and commercial organizations standing behind the American Reciprocal Tariff League and speaking also as a Republican, I desire simply to say that we do not believe that the country will stand for this. The great farming States do not want a tariff war with Germany. They want a chance to sell the German people about seventy-five million dollars worth of bread-stuffs and provisions annually. This they could do under a fair scheme of reciprocity.

"It is a grave mistake for Senator Lodge or anybody else to assume that Germany is necessarily obliged to come to us for bread and meat to supply her hungry millions. On the contrary Argentine, Australia, Russia, Austria-Hungary and other countries have supplies of grains and meats from which the Germans can easily draw. It hardy for us to close our eyes to that fact.

"If necessity for action has now been admitted by the party leaders of Washington, as we are assured by the "Tribune's" correspondent, and if the dual-tariff idea is confessedly the best way of adjusting our troubles with Germany and other Nations then the issue is narrowed down to the simple question of where we shall set the two pegs. If Senator Lodge will amend his bill, making the high duties already in force the maximum and pegging the that level, there would be some prospect that Senators and Representatives from the great agricultural States could be induced to support the meas-

usiness at the old stand" for a good, publications. Some of these publica-

# "I'm Wellam 3307 SYAO OE

#### Because of Liquozone," is a Tale Told Everywhere.

In almost every hamlet—every neighborhood-there are living examples of what Liquozone can do. Wherever you are, you need not go far to find some one who has been helped

Talk to some of those cured ones; perhaps your own friends are among them. Ask if they advise you to try Liquozone. Or let us buy you a bottle, and learn its power for yourself. If you need help, please don't wait longer; don't stay sick. Let us show to you—as we have to millions—what Liquozone can do.

#### What Liquozone Is.

The virtues of Liquozone are derived solely from gases. The formula is sent to each user. The process of making requires large apparatus, and from 8 to 14 days time. It is directed by chemists of the highest class. The object is to so fix and combine the gases as to carry into the system a powerful tonic-germicide.

Contact with Liquozone kills any form of disease germ, because germs are of vegetable origin. Yet to the body Liquozone is not only harmless, but helpful in the extreme. That is its main distinction. Common germicides main distinction. are poison when taken internally. That is why medicine has been so helpless in a germ disease. Liquozone is exhilarating, vitalizing, purifying; yet no disease germ can exist in it.

We purchased the American rights

to Liquozone after thousands of tests had been made with it. Its power had had been made with it. Its power had been proved, again and again, in the most difficult germ diseases. Then we offered to supply the first bottle free in every disease that required it. And over one million dollars have been spent to announce and fulfill this offer.

The result is that 11 000 000 bottles

The result is that 11,000,000 bottles have been used, mostly in the past two years. To-day there are countless cured ones, scattered everywhere, to tell what Liquozone has done.

But so many others need it that this offer is published still. In late years, science has traced scores of diseases to germ attacks. Old remedies do not apply to them. We wish to show those sick ones—at our cost—what Liquozone can do.

#### Where It Applies.

These are the diseases in which Li-quozone has been most employed. In these it has earned its widest reputation. In all of these troubles we sup-ply the first bottle free. And in all— no matter how difficult—we offer each user a two months' further test without the risk of a penny.

Asthma
Absorss—Anæmia
Bronchitis
Blood Poison
Bowel Troubles
Coughs—Colds Coughs—Colds
Consumption
Contagious Diseases
Cancer—Catarrh
Dysentery—Diarrhea
Dyspepsia—Dandruff
Eczema—Eryst pelas
Fevers—Gall Stones Goitre—Gout
Gonorrhea—Gleet
Hay Fever—Influenza
La Grippe
Leucorrhea
Malaria—Neuralgia
Piles—Quinsy
Rheumatism
Scrofnia—Syphillis
Skin Diseases
Tubercul: is
Tumors—Ulcers
Throat Troubles

Also most forms of th following: Liver Troubles Women's Dises Kidney Troubles Stomach Troubles

Fever, Inflammation or catarrh—impure or poi soned blood—usually indicate a germ attack. In nervous debility Liquozone acts as a vitalizer, accomplishing remarkable results.

#### 50c Bottle Free.

If you need Liquozone, and have never tried it, please send us this cou-pon. We will then mail you an order on a local druggist for a full-size bottle, and will pay the druggist ourselves for it. This is our free gift, made to convince you; to let the product itself show you what it can do. In justice to yourself, please accept it to-day, for it places you under no obligations

Liquozone costs 50c. and \$1.

# Cut Out This Coupon Fill it out and mail it to The Liquozone Com-pany, 458-464 Wabash Ave., Chicago, My disease is..... I have never tried liquozone, but if you will supply me e 50c bottle free I will take it.

Note that this offer applies to new users only.

An physician or hospital not yet using Liquozone will be gladly supplied for a test.

W 127 Give full address-write plainly.

long time. We are pleasantly reminded of this fact by an appreciative line from Jos. Romig, of Montgomery County, who reports that he has been filing clippings from its pages for 40 years. May our friend's days be multiplied and full of joy.

Among the large list of proprietary medicines that have recently been brought before the public, none has had a more rapid rise than Liquozone. That it has valuable curative properties is attested by those who use it. Nothing could be fairer than the Liquozone Company's offer of a free trial bottle to everyone who has not used it. Such free sample can be had by any reader of this paper who will cut the coupon from the lower righthand corner of the advertisement, fill the blank spaces as directed, and forward to the Liquozone Company, 458-464 Wabash Avenue, Chicago, Ills. Liquizone Soap is the best thing for chapped hands the writer has ever tried.

#### GOVERNMENT OWNERSHIP VS. CONTROL OF RAILROADS.

EDITOR OF KANSAS FARMER: I would like very much if you would refer or send me different articles concerning the railroad question. We are going to have a debate as follows: Resolved, That the Government should own and control the railroads and telegraphs.

Ponca, Okla. MILES REGINER. The literature on the railroad question is very extensive and is increasing with great rapidity. It would require more space than can be spared in the Kansas Farmer to print even the names of the books, pamphlets, addresses, magazine articles, etc., in which this question is considered. Lists of such publications may be obtained free of charge by addressing the Librarian of Congress, Washington, D. C. There are three of these lists, viz: "List of References on Federal Control of Commerce and Corporations;" "Lists of References on Government Ownership of Railroads;" "List of References on Railroads in minimum duties at 25 per cent below: their Relation to the Government and the Public."

These lists give the names of the publications, the names of the authors, and the names and addresses of the publishers, and such descriptive matter as enables the reader to get a The Kansas Farmer has been "doing fair dos of the scope of the several

tions may be had free of charge, others are cheap pamphlets, while others are expensive. The prices are not given, but in general, the bookseller in the nearest town will be able to obtain what is wanted on order, to be paid for it in the regular course of

#### THE HUTCHINSON OILED ROAD.

At the last session of the Kansas Legislature an appropriation of \$1,200 was made for the purpose of experimenting with Kansas oils in roadbuilding. The expenditure of this sum was placed in the hands of the Board of Regents of the Kansas Agricultural college, who selected Prof. Albert Dickens to have charge of the work. The site selected for the first experiment was the unpaved street leading from the Reformatory toward the city of Hutchinson. About onehalf mile of this street was properly graded and treated with oil. The oil used was a residuum left after the lighter distillates had been taken off.

It has been claimed that Kansas oil is wholly valueless for road-building purposes because it has a paraffine base, an asphaltum base being deemed absolutely necessary for such oils. It has been shown by later investigations that some Kansas oils have an asphaltum base, but this is so light that the crude oil is of doubtful value in road-building.

It was then thought that the heavier residue remaining after the gasoline, kerosene, etc. had been taken off might be useful on our roads, and it was to test this that Prof. Dickens treated the Hutchinson road. Four thousand gallons of this heavy byproduct was used. Five hundred gallons were necessary to cover the road once. After each application of oil the road was harrowed or disked to allow the oil to penetrate the soil. Eight applications of 500 gallons each were made in this manner and the road was then floated and rolled with a 12-ton roller. The soil is very sandy. The writer passed over this road before, during and after the heavy rain of Thursday, November 23, and found it in good shape under all these conditions. It will perhaps be necessary to apply more oil to this road, but the experiment promises well.

It will be necessary to wait for Prof. Dickens' official report before the full degree of success can be known.

#### Hiscellany

The Farmers' Educational and Cooperative Union.

EDITOR KANSAS FARMER:-I notice the inquiry and your reply in the November 30 issue of the Kansas Farm-ER, regarding the Farmer's Educational and Cooperative union. I take pleasure in mailing you a copy of our official paper, published at Shawnee, Okla., also a copy of minutes of our first Indiahoma State meeting (Indian Territory and Oklahoma). I have such a demand for supplies just now that I am entirely out of copies of the constitution and by-laws; but will mail you a copy as soon as a new supply is received. I shall be glad to give you all the information desired in any investigation you may wish to make regarding this Farmer's Union. We have nothing to hide, we have no political aspirations of any kind, no visionary schemes to foist on the farm-

This movement started among the cotton-growers in the South, and is gradually spreading to the more Northern States. We have a local, county, State and National organization. In Oklahoma and in the Indian Territory we have over 125,000 members. In this (Woodward) County we have about 80 local unions and about 1,200 memebrs. Our organization has a fraternal basis and we have our secret work; we teach good fellowship and morality. Our motto is "Justice, Unity and the Golden Rule." We assist each other in every way we can-preach better farm methods and letter cooperation among the members.

Our business interests are also looked after and we aim to help each other save money in our buying and selling. Each county organization has a business agent who handles the products of the members. I send you our report up to October 2, 1905, showing business done in broom-corn alone in this county this fall up to October 2. We raised the price locally on broomcorn alone from \$10 to \$15 per ton. We have no graft to work. Our initiation fee is \$1; our dues, 5 cents per month. Of this one-third goes to the local union, one-third goes to the county union and one-third to the State Union. So you see, we have no high-salaried men at the top to keep up by big assessments, etc.

Our business plan is to cooperate. Our local unions control their members and induce them to sell or ship through the county business agent, and we thus have our business centralized in one man's hands. This gives the State business agent control of the selling for the entire State and he can command attention from the manufacturers, exporters, etc. The matter is reversed in buying. The State business agent can buy for all the mem-bers in the State. He distributes to the county business agents in car lots. They, in turn, distribute to local unions or individual members. Our State business agent now takes the entire output of a large lumber mill, of a coal mine, and he writes me he will soon use the output of a wagon-factory and a flour-mill.

We hold out no glowing promises to induce farmers to join (business men, lawyers, doctors, bankers, etc., are barred from the Union). Our organizers in this county are home men, men we know; and these are under bond. We take no risks. All officers who have anything to do with financial transactions are under heavy bond. We ask those who are not members to come in and work with us-to help us and to help themselves. We show results. We have cut the price of coal in this county from \$7.50 per ton to \$4.67, so that the saving on one ton of coal will pay the farmer's initiation fees and his dues for two years. The farmer usually sees the point and is anxious to join.

Our aim in this county is to control all our selling and buying. We are now incorporated under State laws as a business concern, with \$100,000 capital stock, shares \$1 each. No man can hold over 100 shares. We have coal-sheds, ample land for warehouse and elevator on railroad switch Woodward (County seat); and while we are moving slow and safe, we are moving right along towards the ends we have in view. Only men who have shown by their successful farm work that they are capable business men can or will be tolerated in the management of this business. Our constitution bars all political questions so we have no rocks of that kind to strike.

Write Brother S. O. Daws, Shawnee, Oklahoma, State President, for further information and give us a thorough investigation, as we want our weak points shown us so we can correct them. Write me for any information desired.

#### Statement of Broom Corn Handled Term Ending October 1.

| Num    | ber | of   | cars   | placed | on    | Chicago     |
|--------|-----|------|--------|--------|-------|-------------|
| marke  |     |      |        | Di     | sbu   | rsements.   |
| Theore | Was | dw   | ard. 3 | 8 cars | 100   | \$13,797.79 |
| From   | Moo | rala | nd 2   | cars   |       | 720.00      |
| From   | For | 7014 | core   |        | 63717 | 625.10      |

| From Fargo, 2 cars  | 625.10   |
|---|--|
| Total   | \$15,142.89  |
| Placed on Wichita market: 11 cars. 7 cars, Des Moines market. 4 cars, Kansas City market. 3 cars, Clifton, N. J., market 271 bales placed on Woodward market. 115 bales placed on Moore- land market. | \$5,480.87<br>3,669.84<br>1,322.73<br>1,350.00<br>2,694.50<br>800.00 |
| Grand total   | \$72.05  |

\$428.45 Average price advanced on broom-

corn, \$50. Net returns received on sales, \$20

to \$67.50. Market holding steady and good sales reported.

CLYDE Z. CURLEE, Secretary. Lawson, Okla.

#### He Would Help.

"I would like to help God make babies," said Johnnie, aged three and a half years.

"How could you help God make babies?" asked his companion.

"I dess I could hold the skins," was his reply.

International Live Stock Exposition. Don't forget the dates: December 16

Don't forget the dates: December 16 to 23, 1905.

Heretofore there has been no little discomfort in attending the International on account of the phenomenal growth it has made, but this year a new show auditorium, amply sufficient to take care of all the crowds, has been erected, and its initiation will be leoked forward to with much interest. As to the contests in the breed rings, the showing this year has been exceptional and the International, which is the final round-up of the year, will ceptional and the International, which is the final round-up of the year, will bring all together, undoubtedly the best showing of beef cattle that has ever been held in America if not in the world. The sales are also a feature and will be held this year as usual. Fifty head of Shorthorns will be sold on Tuesday, December 19. The offering is contributed from many of the leading herds of the West, and it will afford, as usual, an opportunity of the

afford, as usual, an opportunity of the most desirable sort for the selection of herd bulls or females that will produce such. Catalogue of the sale can be had by addressing B. O. Cowan, Assistant Scoretary of the American Shorthorn Breeders' Association. Exchange ave-nue, Union Stock Yards, Chicago, Illi-

On Wednesday, December, 20, sixty herd of Herefords will be sold. The Chicago Hereford sale has always been one of the most enteresting of the year, and the offering on this occasion will undoubtedly be of much interest. year, and the offering on this occasion will undoubtedly be of much interest to those desiring the best class of "White Faces." Many prominent breeders will contribute to the sale.

breeders will contribute to the sale. Catalogue of same can be had by addressing C. R. Thomas, Secretary American Hereford Breeders' Association, Kansas City, Missouri.

Sixty head of Angus cattle will be sold on Thursday, December 21. This sale is held under the management of W. C. McGavock, of Springfield, Illinois, from whom catalogue can be obtained. The Angus breeders have made a great record at the Chicago shows, not only in winning prizes in competition with other breeds but also in the high-class sale-offerings they have provided. This sale-offering is the best of the association sales of the season and will undoubtedly be of great interest to lovers of the "Doddles."

The Galloway sale on Thursday, De-The Galloway sale on Thursday, December 22, is the final one of the week. The offering is contributed from the herds of the Brookside Farm Company, Fort Wayne, Ind.; W. M. Brown & Son, Carroliton, Mo.; C. E. Clarke, St. Cloud, Minn.; G. W. Lindsey, Red Cloud, Neb.; O. H. Swigart, White Heath, Ill.; Marion Parr, Harristown, Ill; A. F. Craymer, Morris, Ill.; Michigan, Premium Stock Company, Davisburg, Mich.; C. M. Moody, Atlanta, Mo. The num-C. M. Moody, Atlanta, Mo. The num-ber includes many of the prominent show-herds of the season, as will be noted. The cattle have all be inspected by a competent judge and they repre-sent the plums of the breed not only of America but also of Scotland. No less than twenty-two of the thirty-nine than twenty-two of the thirty-nine head catalogued have won prizes at the leading shows of the country, and the entire offering is of such puality as to make it most attractive to lovers of this breed. It is the best offering of Galloway cattle that has ever been sold at public sale in America and affords an opportunity for the purchase of high-class Galloways such as should be eagerly embraced by the lovers of this breed. Sale catalogue can be obtained by addressing Chas. Gray, Secretary American Galloway Breeders' Association, Exchange avenue, Union Stock Yards, Chicago. Yards, Chicago.

Low railroad rates have been made for the International this year through-out the corn-belt. By all means make your arrangements to attend, as you will see the greatest live-stock show that has ever been made in America, and it will hardly be putting it too broad to say in the world.

#### FACTS ABOUT CANCER.

A new booklet published at considerable expense by L. T. Leach, M. D., of 723 Illinois St., Indiapapolis, Ind., tells the cause of Cancer and instructs in the care of the patient. Tells what to do in the case of bleeding, pain, odor, etc., and is a valuable guide in the management of any case. It advises the best method of treatment, and the reasons why. In short, it is a book that you will value for its information. It will be sent by mail, prepaid, on receipt of ten cents, stamps or coin.

#### A Spelling Contest.

Brown (to Sharpe, who prides him-self on his spelling:) "I bet I can give you a word you can't spell."

Sharpe (scornfully:) "I bet you

Brown: "Very well, how dd you spell 'need,' meaning to need bread?"

# J. R. YOUNG'S ON AND ON SALE

AT RICHARDS, MO., DEC. 20, 1905

# HEAD OF KINGS AND QUEENS OF THE BREED

Eight spring boars, herd headers by On and On, including one by Perfection E. L. out of Dandy Mischiesmaker,

Twenty On and On gilts, including the great show yearling Ideal Lady, who was second only to the grand champion sow and three litter sisters to the first prize winner under a year boar at Missouri State Fair 1905; the

others, spring gilts of great mark. Thirty bred to On and On; 10 by the great Perfection E. L.; 2 by Chief. Perfection 2d; 1 by Keep On; 1 by Mischief Maker; 2 by Missouri Black Perfection: 5 by Diplomat; 1 by Phenomenon; 1 by Mascot; 1 by Chief 2d; 1 by Sest I Know, he by Perfect I Know, and others by the world's famous sires.

This is the chance of the year to purchase the get of sows bred to this great prize winning son of a great gire. Send for catalogue to

# YOUNG, RICHARDS, MO.

Auctioneers: H. O. Correll, D. P. McCracken, Jas. W. Sparks, John D. Snyder, Lafe Burger.

Sharpe: "Poof! K-n-e-a-d, of course." Brown: "Wrong."

Sharpe: "Wrong? Meaning to knead bred, you said, didn't you?"

Brown: "Yes." Sharpe: "Well, it's k-n-e-a-d, I tell you."

Brown: "Not at all. You k-n-c-d dough, but you n-c-d bread. It's a simple word; sorry you couldn't spell it."-Selected.

A wize man will be more purtikular about the brand ov his friends than he will about the number.-Billings.

#### A Conundrum.

A country doctor, who was attending a laird, had instructed the butler of the house in the art of taking and recording his master's temperature with a thermometer. On repairing to the house one morning he was met by the butler, to whom he said, "Well, John, I hope the laird's temperature is not any higher today?" The man looked puzzled for a moment, and then replied: "Weel; I was just wonderin' that mysell. Ye see he deed at twal' o'clock."-Geikie's Scottish Reminis-

# E RIGHT KIND

# Poland-Chinas

40 Head at Auction on Farm near

Valley Center, Kansas, Thursday, Dec. 21, '05

25 Yearling Sows Bred to PRINCE PROUD

- Among the Attractions are

3 by Corrector.

2 by Mischief Maker.

3 by Proud Perfection

3 by U. S. Perfection Jr.

9 by Proud Boy. 10 by Correction.

10 by Prince Proud.

Prince Proud by Proud Perfection, dam by L's Perfection which won the get-of-sire prize at Hutchinson, him

Out of ows by Corrector. Proud Perfection. Mischief Maker. Perfect I Knew. Proud Boy. Correction.

U. S. Perfection Jr.

Spring and yearling boars by Corrector Mischief Maker, Proud Perfection, Proud Boy, Correction and others out of prize winning sows. Sale under cover. No postponement. Sale begins at 1 p. m. For catalogue address,

> A. P. WRIGHT. Valley Center. - - Kansas.

Lufe Burger, John D. Snyder and Geo. Temple, Auctionecers.

AND IN

# Grange Department

"For the good of our order, our country, and mankind."

All communications for this department should be addressed to Mrs. Kittle J. McCracken, Station B. Topeka, Kans.

The Kansas Farmer is the official paper of the Kansas State Grange.

NATIONAL GRANGE

Master. E. W. Westgate, Manhattan
Overseer. A. P. Reardon, McLouth
Lecturer. Ole Hibner, Olathe
Stewart. R. C. Post. Spring Hill
Assistant Stewart. Frank Wiswell, Ochlitree
Chaplain. Mrs. M. J. Ramage, Arkansas City
Treasurer. Wm. Henry, Olathe
Secretary George Black, Olathe
Gatekeeper. G. F. Kyner, Newton
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L. A. B. Mrs. Lola Radcliffe, Overbrook

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

W. B. Obryhim.....Overbrook

What the Grange Has Accomplished. ISSUED BY THE NATIONAL GRANGE.

The work of the Grange is of such a nature that its greatest accomplishments can never be cited only in a general way. We may state how many dollars have been saved to the farmers of the country through cooperative trade arrangements, and through mutual insurance companies, both fire and life, and something definite can be stated in regard to the vast saving to the farmers of the country through wise legislation secured, and unwise legislation defeated through the influence of the Grange; but when we undertake to make any estimate of the moral, social, and mental development that has been brought to the farmer and his family through Grange influence and Grange teaching, we are lost in the magnificent results obtained. It is absolutely impossible to give any intelligent estimate of the development of the noble principles of manhood and womanhood in the mind and heart of the million of people that have been connected with this order, and of the millions of other people with whom they have been associated. It is along this line that the grandest results have been achieved. Thousands of farm homes have been made happier and better, and the members of farmers' families have been reaping the highest enjoyments of life through the quickened mental abilities by Grange influence, while a higher ideal in life has been reached through the development of the heart by true Grange teaching. With these general statements, we leave the most important rsults during thirty-two years of Grange work to the imagination of our readors

In matters of legislation, among the first objects to claim the attention and engage the efforts of the Grange were the State agricultural colleges of the country, many of which in their early days were united with, and became a part of, classical colleges and universities, thus in a large measure destroying their identity as agricultural colleges, and rendering them practically worthless for the obects for which they were established.

Through the influence of the Grange a separation has been effected in a majority of States, and distinct agricultural and mechanical colleges have been established. In most of those States where the efforts for a separation have not been successful, the college authorities have been forced to give much greater recognition to agriculture, and with but few exceptions these institutions, separate and combined, are now doing a grand work in educating the farming youth of the Na-

It was through the direct influence of the Grange that the additional appropriations for agricultural colleges by the 1890 act of Congress were confined to instruction only in agriculture and the mechanic arts.

The Hatch act for the establishment of State experiment stations, which

The **Food Value** of a Soda Cracker You have heard that some foods furnish fat, other foods make muscle, and still others are tissue building and heat forming. You know that most foods have one or more of these elements, but do you know that no food contains them all in such properly balanced proportions as a good soda cracker? The United States Government report shows that soda crackers contain less water, are richer in the muscle and fat elements, and have a much higher per cent of the tissue building and heat forming properties than any article of food made from flour. That is why Uneeda Biscuit should form an important part of every meal. They represent the superlative of the soda cracker, all their goodness and nourishment being brought from the oven to you in a package that is proof against air, moisture and dust—the price being too small to mention. NATIONAL BISCUIT COMPANY

are doing such a grand work for the agriculture of this country, became a law by reason of the efforts of the Grange to secure its enactment.

It was through the influence of the Grange that the Department of Agriculture at Washington was raised to the dignity of other departments of the National Government, to be presided over by a Secretary of Agriculture in the President's Cabinet, thus giving farmers a voice in the policy of the Government as it affects the agricultural interests of the country.

The transportation question engaged the attention of the members of the Grange in the early days of the order, and in the famous Iowa case the decision was handed down from the Supreme Court of the United States that all railroad franchises are subject to the power which created them; or, in other words, that "the creature is not greater than the Creator."

Through the direct influence of the Grange, the Interstate Commerce Commission was established by act of Congress, which in a measure aims to control interstate traffic, and gives the people a means of redress from the injustice and extortions which are often practiced by those gigantic corporations, thereby saving the people great annoyance and vast sums of money in reduced rates of transportation.

reduced rates of transportation.

The subject of taxation has always engaged the attention of the Grange, and it is through the influence of this farmers' organization that in many States the burdens of taxation have been, in a measure, at least, equalized by a more equitable assessment of real estate between town or city and farm proprty, and by the enactment of laws taxing personal property and corporations which had hitherto paid little if any, taxes for local or State purposes.

The Grange is strenuously opposed to adulterations of all kinds, and mainly through its influence State and National laws have been enacted to control the sale of oleomargarine and other butter frauds, and protect the great

dairy interests of the country from these vile compounds which the unscrupulous manufacturers would place upon the market as pure butter.

Through the influence of the Grange most maple-sugar-producing States have enacted stringent laws against the adulteration of this farm product, thereby protecting both producer and consumer from a spurious article.

The Grange successfully fought the driven-well and sliding-gate patents in the courts, saving enormous sums of money in royalties which were being extorted from farmers and others using them.

Through the influence of the Grange upon Congress the extension of the patents on sewing machines was prevented, saving to the people fully 50 per cent in the prices, amounting to millions of dollars annually.

The Grange has a grand record of usefulness in legislation in every State in the Union for its influence on the side of justice and equality in the enactment of many wise and judicious laws in the intersts of the people, and for the protection and advancement of farming industries.

A recent victory of the Grange, and one of its grandest achievements, is the establishment of rural free mail delivery in various sections of the country. The Grange was the first organization to publicly proclaim that it was right for the Government to carry mail to the homes of people in the country, and through the discussion of the question and intelligent presentation of the matter to Congress, appropriations have been secured; first, for experiment, and now practically for permanent establishment of the system of rural free mail delivery. This breaks up the isolation of farm life, will tend to secure better roads, and advance farm values wherever it extends. The results in this matter alone will justify the entire cost of the Grange from its establishment to the present day.

#### Farming in Virginia.

In the great rush for the West, the American farmer has overlooked the opportunities offered by several of the Southern States to the farmer and homeseeker. Recently, however, a considerable interest is being revived in this wonderfully rich section and no State in this Southern territory offers better inducements than Virginia, the grand old mother of them all. Good farms, with all the advantages of close proximity to large markets, an equable climate, productive soil, excellent transportation facilities, and in the midst of cultivated and hospitable social environments, can be obtained at wonderfully insignificant prices, frequently as low as five or ten dollars per acre, including improvements.

The Norfolk and Western Railway is carrying on an aggressive campaign in repopulating these old plantations and is sending out a very interesting assortment of literature describing the various sections of the State, with many illustrations showing old plantations, crop scenes, etc. To the farmer who is cultivating \$40 to \$100 land, Virginia offers an opening that should not be overlooked; and in a little pamphlet entitled "Good Words for Virginia," dozens of Northern and Western farmers testify to the abundant success they have reaped on these old Virginia farms.

In another column the Norfolk & Western Railway Company present

In another column the Norfolk & Western Railway Company present their proposition, and all who write Mr. F. H. La Baume, Agricultural and Industrial Agent of that railroad will receive literature, maps, etc., that can not fail to interest them in the wonderful resources of the Old Dominion.

"Give us a tune," urged the music-rack in the choir loft; "be obilging. Even the bells play when they're tolled."

"No," growled the organ, in its deepest tones, "I'll be blowed if I do."
—Philadelphia Press.

A boy's conception of how to make the hens fill the egg basket can hardly be improved upon. Said he: "I make my hens scratch so hard for grub that they are glad to get on the nest and lay an egg so that they may rest a while."

#### Miscellanu

Some Big Things in Kansas.

There are some big things "out there in Kansas." Some of them are the biggest things of their kind in the world. For instance, Kansas has the largest agricultural college in the world. It is located at Manhattan, and enrolls 1,600 students annually. It has more students in its four-years' course in agriculture than have the agricultural colleges of Iowa, Illinois, Michigan, Wisconsin and Missouri combined. It has more graduates and former students in Government employ than any like institution. E. R. Nichols is president.

Kansas has the largest Agricultural Experiment Station in the world. It is located at Hays, and includes 4,500 acres, devoted solely to experiments in agriculture. It is a branch of the Agricultural College Experiment Station at Manhattan and is under the control of its board of regents.

Kansas has the largest Improved Breeders' Association of any state in the world. Its membership numbers about 1,000 of the State's brightest and best farmers and breeders. It holds annual meetings at the State Capitol in January. H. A. Heath, Topeka is secretary.

Kansas has the largest county breeders' association in the world. The Marshall County Hereford Breeders' Association has a membership of 60 men and women, each of whom owns a herd of Hereford cattle. F. W. Preston, Blue Rapids, is the secretary.

Kansas has the largest herd of homebred Aberdeen-Angus cattle in the world. This is the Sunflower herd, belonging to Parker, Parrish & Miller of Hudson. It numbers 325 pure-bred animals that were all bred at home.

Kansas has the largest Berkshire breeding establishment in the world. This belongs to E. D. King of Burlington, and numbers more than 100 brood sows with a product of some 1,-200 pigs each year. There are larger herds of hogs, but they are not pure-

bred nor registered. Kansas has the largest Hereford breeding establishment in the world. This is the famous Sunny Slope farm at Emporia. It belongs to C. A. Stannard, and numbers about 700 head of registered animals with an annual

crop of about 500 calves. Kansas has the largest apple orchard in the world. It is located principally in Leavenworth County, and belongs to Judge Fred Wellhouse of Topeka. It numbers about 40,000 trees of the best market sorts.

Kansas has the largest creamery in the world. This is the Continental Creamery of Topeka, which has more

stations. Its daily capacity is 100,000 pounds of butter, and for several years it has filled the United States Government contract for a half million pounds of butter for use in the navy. T. A. Borman, Topeka, is general man-

Kansas has the largest continous alfalfa field in the world. This belongs to Col. J. W. Robison, Eldorado, and includes more than 2,500 acres, the product of which brings a small fortune to its owner each year.

Kansas has raised the largest wheat crop of any State in the world. This was the crop of 1903, which measured nearly one hundred million bushels.

Kansas has raised the largest county corn crop in the world. This crop was produced by Jewell County, which is supposed by Easterners to be located away out in the short-grass country where drouths and cyclones most do congregate.

Kansas has the largest salt plant in the world. This is located at Hutchinson, and its output includes a very large portion of the total salt product of the United States.

Kansas has the largest amount of cash per capita in bank deposits of any agricultural State in the world. This cash amounts to about \$75.00 for every man, woman and child living within her borders and is more than twice the general average of the United States.

Kansas has a record of the largest annual income for her farmers of any State in the world. Recent estimates show that the average income of her 180,000 farmers is more than \$2,000 a

Kansas has the largest Percheron breeding establishment in the United States. This is the Whitewater Falls farm, belonging to J. W. & J. C. Robison, Towanda, and numbers about 200 pure-bred registered Percherons. There are importers who number more Percherons in their studs, but these are not considered in this statement.

Kansas has the oldest Percheron breeding establishment in the Louisiana Purchase. This belongs to Henry Avery & Son, Wakefield, and includes the mares Mina and Lena, who won the gold medals at the Louisiana Purchase Exposition, and who were never defeated as a pair in any show-ring.

Kansas herself is not so small. She measures "400 miles long, 200 miles wide, 8,000 miles deep and reaches to the stars." Eastern people think, even yet, that Western Kansas is of doubtful agricultural value. Facts show otherwise. But suppose, just for argument, that this be admitted. Suppose we could cut off the western third of Kansas; we should still have a State as large in area and a great deal better than her neighboring States of Iowa, Illinois or Missouri.

The few big things mentioned here are only given as samples. Kansas



has only just begun her real, active life as a State, but she began right. Kansas now stands in the very front rank of States in her low rate of illiteracy and her high rate of morality. Only one Kansan in each 2,000 of her population is a convicted criminal, and her population came from the ends of the earth.

Of her possibilities in the future nothing need be spoken. Man was never endowed with a fairer heritage than that enjoyed by the Kansan and the possibilities are in his hands.

I. D. G.

To live content with small means; to seek elegance rather than luxury, and refinement rather than fashion; to be wealthy, not rich; to study hard, think quietly, talk gently, act frankly; to listen to stars and birds, to babes and sages, with open heart; to bear all cheerfully, do all bravely, await occasions, hurry never-in a word, to let the spiritual, unbidden and unconcious grow up through the common. This is to be my symphony.-William Henry Channing.

The following is told of a patient, a German woman, who, taken seriously ill, was sent to the hospital.

In the evening her husband inquired how she was getting along, and was told that she was improving.

Next day he called again and was told that she was still improving.

This went on for some time, each day the report being that his wife was improving.

Finally one night when he called he was told that his wife was dead. Seeing the doctor he went up to him and said: "Vell, doctor, vat did she die of -improvements?"—Harper's Weekly.

The Rock Island announces a very material reduction in homeseekers' rates to its Southwestern territory. Heretofore the homeseekers' rate has been fixed on a basis of approximately one fare plus \$2 for the round trip.

The new rates are about 75 per cent of the regular one-way rate for the round trip, and tickets carry the same limit and all the privileges of stopover, diverse route and side trips as at the former rate. The dates of sale are the first and third Tuesdays of October, November, and December:

Christmas Holiday Excursion Rates

via the Nickel Plate Road between Chicago and Buffalo. Dates of sale December 23, 24, 25, 30 and 31, 1905, and January 1, 1906, at a fare and a third for the round-trip, with return limit of January 3, 1906. Through train service to New York City, Boston and other Eastern points. No excess fare. Individual Club Meals served in Nickel Plate dining cars. Three through trains daily from La Salla and Year. daily from La Salle and Van Buren street station, the only depot in Chicago on the elevated loop. No. 39.

> Convulsion, Fits, then Epilepsy.

Dr. Miles' Restorative Nervine has been so successful in curing these brain-wrecking diseases that there is every reason to believe that even the most hopeless cases can be benefited, if not fully restored.

We will be pleased to refer any one thus afflicted to many who now enjoy the blessing of health, after years of hopeless suffering.

"I have a son that had brain fever when two years old, followed by fits of the worst type, and he was pronounced incurable. I spent hundreds of dollars for him, without relief. After about fifteen years he became so bad that we sent him to Longcliff hospital for the insane, at Logansport, Ind. He was there nearly three years, but he continued to grow worse, so we brought him home July 30, 1902, in an awful condition. He had lost his mind almost entirely. He hardly knew one of the family; could not even find his bed; was a total wreck. He had from 5 to 10 fits a day. We were urged to try Dr. Miles' Nervine, and before the first bottle was used, we could see a change for the better. We have given it to him ever since, and he has had but two very light spells since last August, 1903, and then he was not well other ways. We pronounce him cured, as he can work and go anywhere. If any one wishes to ask any questions concerning this, they are at liberty to do so."

E. H. BUNNELL, Lincoln, Ind.

Dr. Miles' Nervine is sold by your druggist, who will guarantee that the will refund your money.

Miles Medical Co., Elkhart, Ind

Miles Medical Co., Elkhart, Ind

than 20,000 patrons and about 1,000 A <u>Real Rubber Boot</u> every inch of it This boot is especially made for hard wear. together in such a way as to give the greatest strength where Only the best new rubber and the best duck are used, put 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, Irrigaters, 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 strend the mean thora's a dollar's weath of our rubber. SECURITY not 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 qual-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. ity only. MILTON BROWN WORLD ST LOUIS U.S.A

### In the Dairy

The Need of a Dual-Purpose Cow. W. P. HARNED, VERMONT, Mo., BEFORE THE MISSOURI STATE DAIRY ASSO-CIATION, JEFFERSON CITY, Mo.

The greatest benefactor is the person who does the greatest good to the greatest number. The most useful type of the domestic horse is the generalpurpose animal. The most popular and the highest-priced type of sheep is the one that combines mutton and wool. The queen of the bovine race is the milch and beef cow. The highest price ever obtained for a cow was paid for one of the beef breeds and from a tribe with the best milk record in that breed.

There is a cow question to be solved. To the average farmer and to the agriculturist-or at least, to the large majority of those who live by the farm and stock, this is a very pertinent question. It is a question of type or kind. The best cow is the one that answers the purpose of the majority. Who constitute the majority? The small farmer and his family. It is for his best cow that we plead.

We have the labor question, we have the race question and the tariff question, and in some places we even have the boodle question. These concern the whole people. Then we have the cow question: This concerns the farmer, the stock-raiser and his family. Now, I venture to say there are many people who know the first problems that are confronting the public who do not even know there is a cow question. Even we farmers are not so far along on this last question as we should be. We are not as far advanced on the cow problem as our interest demands.

How old is the cow problem? If we search the Bible records, we find this is not the latest question of the day. dairymen and Sunday-school teachers at least are pretty well aware of the account of Jacob and Rachel in Holy Writ. It started out with a love affair, but it ended by Jacob's getting the girl of his choice and also the better end of a large herd of cattle. You remember how Jacob traded with his father-in-law, wherein Jacob was to have all the calves that were ringstreaked and striped-how he placed striped sticks by the watering places, and the new-born cattle were colored, so they belonged to Jacob. This was the beginning of the cattle problem; and from that ancient time down to the present, men have been trying to breed certain qualities into their herds which they desired. Then it was a question of color; now it is a question of quality, combination of quali-

We do not believe there is a domestic animal to-day, as conditions now exist, in more universal demand the world over than the dual-purpose cow. No farm east or west but is benefitted by her most useful combination, unless we except the exclusive, specialpurpose, dairy farm. The strength of

THIS SKIMMING MACHINE takes the cream from the milk quicker than wringers squeeze water from clothes. It gets a quarter to a half more cream than by setting, because it uses centrifugal force—a force thousands of times stronger, quicker, more effective than the orce that makes cream rise in pans harples TUBULAR CREAM SEPARATORS Skimming finished five minutes after milking, because boy of ten can run Tubular during milking. No skim milk to warm, because skim milk is fed still warm from cow. Half less washing, labor and expense, because only cream is put away. Catalog X-165 explains clearly.

THE SHARPLES SEPARATOR CO. Toronto, Can. West Chester, Pa. Chicago, III,

her claim is the universality of her sphere. Perhaps her most natural home is on the small farm or the average farm. Her annual credit account is a good supply of milk and butter for the family and a lusty, vigorous calf that matures into a high-class carcass of beef. In this capacity she turns to the very best account. When her best working days are over and she is dried off, she readily and quickly fattens into a fine carcass, and the last account of her on the block is no mean consideration.

We are far from being at war with any improved breed. The scrub breed is our only enemy. Against him we will combine forces with any recognized breed. We envy not the specialpurpose breed. He also has his sphere and certain conditions call for him. But there is a special-purpose breed and there is a dual-purpose breed. Each will adapt itself to conditions that suit. The dual-purpose is for the many, for the masses. The special-purpose is for the few, for the classes. I wish to illustrate this distinction by a letter lately received from a breeder whose judgment I regard as first-class. He had visited a herd of note which I had not seen. So I wrote asking him about his visit and the herd. He answered about the herd in question, saying: "It is a large herd-in fact, it is three herdsa breeding herd, a show herd and a herd of nurse cows. But the breeder of the special, beefy types knows about them; and if he is a successful showman to-day at the Kansas City Royal and at the International, he has had experience with nurse cows, without drinking the milk or selling the cream. The fine, fat calves consume all that and say nothing. You can easily detect it by the big carcasses and soft coats. Or you can satisfy your curiosity when at the big shows if you follow these fine fellows when they are led out at milking time.

It is all right to develop the exclusive beef type. But this is not the class that furnish milk for the family and butter for the board. It is not the cow for the small farm. It is not the cow for the thousands of large families of moderate means and small estates. I have thought one of the most pitiful sights in a herd is to see a fine, large, fat, 1,700-pound cow walking around followed by a little, half-starved, puny calf with hardly enough milk to keep up because the dam gave barely enough milk to sustain life, and the owner did not have a nurse-cow. There are two extremes one is all cow and no milk and the other is all milk and no cow. There is a happy medium, and it is this medium the small farmer and his family demand. It is the call of the masses. It is the demand of the majority. She is coming to her own and she will not be turned away. It is the dual-purpose

cow; she is queen. I want to refer again to the fine herd mentioned above—the fine herd with the nurse cows. This description is not overdrawn. I have seen just such herds more than once. This class of breeders aim at one thing. They go in to raise high-class bulls to go out and head other herds. They succeed in their nurnose These bulls are bought by breeders and go in service, perpetuating their kind There is a great evil in this method. These nurse-fed calves are very attractive. They are fixed for visitors. Truly they are on dress parade. The unwary and the new beginner are captivated on sight. The price is also high enough to make the calf attractive. But the nurse-cow and the extra work must both be paid for; and when the price is published it is a boom both for the buyer and the breeder. The price will be published and commented on far and wide, but the nursecow will not even be mentioned. She is cheated out of her part of the glory. The big, milkless dam gets all the praise-or it may be the sire that is working up the boom. The calf never tells the tale till taken to his new home, minus the nurse-cow, and put on

farm feed where he belongs. It is

A WARNING TO SEPARATOR BUYERS

New York's dairy and butter trade paper, "The New York Produce Review and American Creamery," in its November 1st issue prints an editorial on "Farm Separators" which is reproduced below. Their advice to purchase only the best machines and avoid the cheap affairs offered by "mail order" houses, etc., can not be too closely followed.

"It seems that in these days of an ever-increasing number of different makes of hand separators on the market it might be of considerable interest to have some official test of the same. Creamerymen and dairymen who have read and followed the development of the separator manufacturing industry, are well aware of the leading makes but the average farmer who reads at most an agricultural paper or perhaps only the catalogue of a mail order house, is completely in the dark about the cheap affairs offered him.

"It is an important question if our cream producers lose from 2½ to 10 per cent of their butter-fat in the skim-milk, as butter-fat is too expensive to feed to calves or hogs, and the aggregate loss to the country as a whole by the use of poor skimming hand separators is an enormous one. It ought to be understood and only the best machines purchased."

The above editorial as a means of further protection for separator buyers might well have included the fact that creamerymen and dairymen who are familiar with separator history are in ninety-nine out of every one hundred cases DE LAVAL users, and that these users have conducted daily "official tests" for more than twenty years which have conclusively proven that there is but one "best" separator,—the DE LAVAL. Proof can be had for the asking. Write for it to-day.

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not an economical process in common farm life, and it is not practicable. Normal prices and normal conditions will not justify it on the average farm, with average means. The game is worked largely on the enthusiastic new beginner, and many disappointments follow. It is a great injury to the substantial and steady improvement in our common farm stock.

How pleasant is the contrast where the new beginner falls into better hands and makes his purchases from the conservative, practical breeder of the useful, common-sense sort. Real breeders will send out stock that have the innate quality to do well. The more fortunate beginner takes home his purchase and it does well from the very start. This will be the case where ancestors possess in full measure the necessary qualities of the real, improved type, fed right and nursed by its own dam.

Before quitting my subject I want to refer to one phase of it which is not included in the subject proper, but is suggested by it. I am expected to show the necessity or need of the exclusive dual-purpose cow. But dairy breeders seem almost to think such a cow can not be bred. I have seen men worked up to the conviction that such a theory is not consistent. And I have been surprised that so sensible a class could be so positive in error. Really, you are not confronted by a theory—you are confronted the cow herself. Such a cow exists and we have had her in high degree for a century. You have the generalpurpose horse, why not the dual-purpose cow? You have fine mutton and fine fleece in one sheep, why not beef and milk in one cow? The Thanksgiving turkey grows feathers with the flesh and the dual-purpose cow grows

milk with the beef. While we have no text-book in breeding, there is among the breeders of beef cattle one well-established law-all four of the beef breeds will concede this-that the best breeding dams are the best milkers. The two qualities seem inseperable. It is very fortunate that such is the case. If the opposite were true, the small farmer and the dualpurpose could not be so happily joined.

The Problem of Dairy Cattle Improvement.

A. S. ENNIS, CALIFORNIA, BEFORE THE MISSOURI STATE DAIRY ASSOCIATION.

(Continued from last week.)

Now, a word about feed. This is a subject to which you will have to give special and careful attention. You must not only look to the needs of your cattle but you must endeavor to get their rations as nearly as possible from products of your own farm. Economy is one of your watchwords. I strongly recommend to you all the address of Mr. Patterson on this subject. But you must make it a study and it will take you several years. Look first to the needs of your cows, and next to the cost of the feed. Your helfer calves should be fed sweet skim-milk for about six months, and you can mix with it a little cornmeal and oil-meal-or these can be fed separately. After six months if on good pasture, they will require no feed; but as fall comes on they should not be allowed to run down and become poor before winter feeding is begun. This feed should consist of bran, shorts, oilmeal, etc., with fodder, hay and straw for roughage. I would feed no corn. A few weeks before your heifer is due with her first calf you should begin feeding her a mixture of food rich in protien. Do not overfeed her, but

THE CLEVELAND Ball Bearing Separator. No other can is the only You can try it at your home without any exrun so easy. pense or obligation to buy. Send for the new free catalogue, THE CLEVELAND CREAM SEPARATOR CO., 34 Michigan St, Cleveland, Ohio. 000000

gradually increase the feed until by the time she drops her calf she will be getting about all she wants to eat. You will find she has made a very large udder and will start off with a large flow of milk. For a few days after calving, feed lightly, gradually increasing, and you will find her responding well to your attention. Keep her in milk for ten to twelve months. There is no danger from milk fever with the first calf; but from then on, and especially with the third and fourth calves, you cannot feed so heavily before calving, neither will she require it; for this time the habit of milk-giving will have been well formed.

Always have a good warm stable, well ventilated; keep it clean and the cows well bedded. Always keep the same cow in the same stall; the same milker milking the same cow, and the cows milked and fed regularly and in the same order each time. Buy the best cow you can and give her all the feed in the land and a warm stable-but yell at her, beat and abuse her, and you will get but little milk from her. There is no more essential thing connected with successful dairying than kind and gentle treatment of the cows. You have not reached the proper point in this respect until you can walk through your herd in the lot, swinging a stick, and not a cow get out of your way. This is not dreaming, but is an accomplished fact at my place, and I can tell you that we are well paid for it, too; and any of you can do the same.

I have briefly touched the six keynotes, which if you study and make a part of your business, are sure to bring success. But I would not have you believe that when you follow these suggestions your success will be without a setback. You are going to meet with disappointments; some of your favorite cows are likely to be found un profitable; some of them are sure to drop heifers that after much care and attention will disappoint you; some of your breeding crosses will not prove a success; but all of these will only make you the keener in your business, and will only make your ultimate success that much more satisfactory to you. To me, and I think you will find it so, the breeding part of the dairy business is the most interesting. Yet we have a class of dairymen whose only policy is to buy, milk, and then kill. Had I the time I would like to pay my respects to this class of dairymen, but will only take time to say that I have no use for such a policy even though it may make cold, hard cash, for this policy does its utmost to destroy the dairy industry, and if followed to any extent generally it would destroy it. By all means raise your hest calves; you will find you can raise much better cows than you can buy, and you will also be doing good to the whole community. One example of breeding, from my

own herd, will illustrate a point which I wish to bring out. When I was about 12 years old I began breeding grade Jerseys, the first cow bought being represented as a seven-eighth Jersey, and I then had access to a firstclass Jersey sire. For some years my breeding on this family was quite successful, and when I grew older I began selecting the sire more carefully. But upon one occasion a decendant of this old cow was taken from my herd and bred to a Jersey bull that was supposed to be a fine one; the result was a heifer calf, now a 6-year-old cow, so far inferior to her dam in every respect that she would never be recognized. She simply looks what she isreverted many generations to some back ancestors. And yet, she is not entirely unprofitable. I have several times bred this cow to my own bulls, and her oldest calf has gone right back to the old type and is the very best grade cow in my herd. Her next oldest calf is just coming into milk and promises as well as the other. This inferior cow's dam also has a heifer just coming in milk, and the two heifers can hardly be distinguished. I mention this simply to warn you of the dangers of promiscuous breeding, or

crossing of different breeds. Stick to a line of breeding and although you need not closely inbreed, yet when you introduce an outcross, do so very carefully. Often when breeds are crossed the first cross is an improvement, but in such cases the second cross is nearly always a hard-looking

I would suggest further that if any of you are in doubt as to proper steps to take in any matter of dairying, write to your agricultural college, some good reliable dairy paper, and any responsible and successful dairyman whom you think could help you out. Just enclose stamps or stamped envelopes and you will surely get replies and suggestions from all. Now, some of these may not exactly agree with others, but they will all be helpful to you and you can use your own judgement as your special case seems to require. I know, had I followed this policy more than I have it would have been better for me, and you will all find the same to be the case with you, I am quite sure. Do not be backward about writing your troubles to private individuals. It is true, many are quite busy and you must not always expect long replies, but I take it that any honest dairyman with dairy interests properly at heart will consider it a pleasure to send you, maybe just a few lines, but enough to put you on the right track if you have made or are about to make a mistake.

Now, just a word in conclusion. Missouri is rapidly developing the dairy industry, and beyond doubt is destined to be one of the greatest if not the greatest in dairying in the Union. I expect to live to see her lead all other States in this industry. Three or four years ago I seldom noticed the transfer of a registered dairy animal to a party in Missouri, and now I venture to say not a week passes but a dozen or more registered dairy cattle are purchased by Missourians. The last week in October there were nearly a dozen transfers recorded of Jerseys alone, and I am sorry I am not in possession of information as to other dairy breeds also. Very few of the old-time native cattle can now be found-nearly everything is either good grades of beef, or fair grades of dairy animals. We are not where we should be, but no other State is having such an awakening of interest in dairying; and as our dairy cattle are improved in quality as also in numbers, our State will gradually and rapidly rank higher and higher until she stands at the top, and she may then well erect a monument of a magnificent dairy bull to commemorate the prosperity and happiness his introduction brought to her citizens. We will then gaze upon the dairy bull as he proudly and impatiently walks up and down the fence of his paddock, and we will say: "To you, Mr. Dairy Bull, do we owe this great honor, our good homes, our valuable land, our profitable business. You took us when we were poor and made us well-to-do. In our adversity you came to our help and in our prosperity you cling to us."

#### Dairy Barn Question.

Will you give me the measurements for cow stanchions? How far back should the trough be for the droppings? What should be the depth of trough and the slope given to secure best results with a cement floor?

F. M. Brown. Butler County. The measurements from the stanchion to the trough vary a little, depending on the size of the animal. Four feet and three inches is considered to be long enough for a Jersey, and four feet and nine inches, to five feet for a Holstein. Ordinarily arrangements are made by running the gutter on a slight angle, making the platform on one end of the barn four feet three inches, gradually increasing it to four feet and ten inches. The depth of the trough depends somewhat on the width. Rightly it should be about six inches deep on one end, with a slight slope toward the end of the platform, giving a chance for the urine to run out and run to one side. The trough should be 18 inches wide.

O. ERF.

A Sanitary Dairy.

Probably no one is better able to cite facts and instances concerning effect of proper and improper handling of milk than is G. G. Burton of Topeka. He is now furnishing the entire supply of milk to the hospital of the Santa Fe railroad and it, of course, must be perfection as to sanitation. The Red Cross Sanitary Dairy, which he originated and managed for several years in Topeka, might be an object-lesson to dairymen who wish to get top prices for the first-class article in city trade.

Mr. Burton took all the precautions which are followed by the best dairymen to keep dirt out of the milk. Each milker was required to wear a white duck suit, which must be kept clean. The stables were cleaned, swept and scrubbed with great care, and powdered lime was sprinkled about the stalls. The plan of milking through four thicknesses of cheese-cloth and one of cotton-batting was tried, but he could not compel his help to take proper care of the cloths and the result was poorer sanitation than without them.

Mr. Burton made a specialty of supplying milk for babies and invalids, and his product was such that he could get any price he cared to demand. Aside from absolute sanitation, Mr. Burton succeeded in furnishing to the various consumers just the proper amount of the different constituents that they needed, so that the physicians of Topeka were able to write prescriptions to him for certain constituents and in certain qualities, and he supplied them. In this way the doctor was not only able to supply a balanced ration to the delicate stomach of the invalid or baby, but he was also able to supply those constituents with reference to their medicinal value. For instance, by increasing or decreasing the amount of fat in the milk he regulated the laxative effects. This was, of course, easy to control by the use of the separator, but Mr. Burton goes so far as to claim that he was also able to regulate the amounts of proteid and sugar, as well.

Mr. Burton's name was well known in Topeka, for he advertised himself well with substantial looking delivery wagons and sleek horses, and his patrons were loud in his praise. The important thing is that Mr. Burton made a financial success of the enterprise. An ideal article brings an ideal H. B. C.

Uncle Sam's Irrigation Works. A resume of the work performed by the Reclamation Service to date shows



A Simple Davis From The Factory, Direct to You at Lewest FACTORY PRICES.

AT LEWEST FACTORY PRICES.

We make the Simplest Cream Heparators on Karth, with low down supply tank, simple enclose & gearing, and sell at the lowest factory prices, freight prepaid, safe delivery guaranteed, direct saving you all middlersen profits. We make every part and guarantee high quality and durability, and to sain hot, warm or cold milk equal to any on Earth and the easiest to clean, run and understand. Our terms are most liberal and we save you from 20 to 50 per. 125 Send for Free catalogue Me. 125 DAVIS CREAM SEPARATOR CO. 84 North Crinten, Chicago, U.S.A.

that 77 miles of main canal, 54 miles of distributing system and 186 miles of ditches have been constructed, including dams, headworks, etc. Tunnels having a total length of 31/2 miles have been driven, including more than a mile of the great Gunnison tunnel. More than 250 miles of telephone lines have been installed and are in operation; 126 miles of wagon road, many miles of which were cut out of solid rock in almost inaccessible canyons, 147 bridges and 50 office and other buildings have been constructed.

The works above-mentioned have called for the excavation of 9,350,000 cubic yards of rock and earth, the laying of 70,000 cubic yards of concrete, 12,000 cubic yards of rip rap, 190,000 square feet of paving, 150,000 linear feet of sheet piling and 10,000 feet of bearing piles have been driven. There have been purchased 130,000 pounds of railroad iron, 250,000 pounds of structural steel, 600,000 pounds of cast iron, 1,750,000 feet B. M. of lumber and 78,-000 barrels of cement. The Government has erected a cement mill at a cost of more than \$100,000, which has 'already turned out 15,000 barrels of cement, and is now furnishing about 300 barrels a day. The sawmills operated by Uncle Sam have cut 2,880,000 feet, B. M., of lumber from the Government reserves.

The United States Reclamation Service was organized in 1902, immediately after the passage of the Reclamation Act. As soon as possible, after a discussion of preliminary plans in Washington, investigations were begun in the thirteen States and three Territories which are beneficiaries under this act. By utilizing the data gathered in previous years by the hydrographic branch of the Geological Survey, the service was enabled to concentrate its efforts upon several projects and plans for their construction were soon prepared for the consideration of the Secretary of the Interior.

# A Penny Saved Is A Penny Earned

Suppose you took a wagon load of potatoes to town and sold them for 40 cents a bushel to the grocer. You and his clerk unloaded them, you drove around in front, tied your team and came into the store for your money. When the grocer paid you he deducted five cents a bushel for the services of his clerk in measuring them. Wouldn't you call that nervy?

Is it not just as unreasonable for a creamrey company to expect you to pay them for the services of one of their men to weigh and test your cream?

# SHIP YOUR CREAM DIRECT TO US

The difference is this.

When you ship direct you pay only the express.

When you sell to a receiving station you pay the express and a commission besides.

You have the commission and station expense as profit on every pound of butter-fat you ship to us.

Bear in mind WE PAY CASH. OUR PRICE IS THE HIGHEST.

# BLUE VALLEY CREAMERY CO.,

ST. JOSEPH, MISSOURI.

Originator of methods for making more profit for the produces

KANDARD STOCK FOOD

Worth Many Times Its Cost.

Standard Food is just "the stan's Peculiar Standard Food is just "the standard Food is just "the stang" for hops. I would not risk doing without it, even for one week, for many times its cost.

Am feeding the full ration, about 2 pounds per day, to my 20 own. This sums expensive, but I am convinced it pays. I would not be without it on account of the good I great and quicker would not be without it on account of the good I get out of it for my calves alone. In regard to my cows, can say that the other milk men have quit business on account of the high price of feed, while I am buying more cows and am supplying their customers and am selling milk at a profit.

When I first began to feed Standard Food my cowsgained a gallons of milk in three days. This, at the price I was getting gave me se cents extra for an outlay of about 30 cents. Am well satisfied with Standard Food, and shall continue to feed it.

J. S. Chapman.

#### The Burden, Kansas Duroc-Jersey Sales.

On December 6, at Burden, Kan., J.
F. Stodder and Marshall Bros. held a
combination sale of Duroc-Jersey
swine. The sale was a success and attracted buyers from all over Kansas,
Oklahoma and the Indian Territory.
The hogs were in nice condition, and
the bidding was spirited from the The hogs were in nice condition, and the bidding was spirited from the start. Colonel J. W. Sparks was at his best and was very ably assisted by Col. John W. Snyder of Winfield. A good many of the hogs offered were spring pigs and a considerable number of the gilts were sold open. Otherwise the average would doubtless have been higher than it was. The top of the sale was brought by a yearling boar, sired by Missouri Wonder, that was consigned by Marshall Bros. and sold to Mr. Stodder. The highest priced open git was consigned by Mr. Stodder and was sold to C. B. Pratt of Frankfort. Kans., for \$49. She was sired by May Boy, who was a World's Fair prize winner. Following will be found a list of the sales and their averages:

#### J. F. Stodder Consignment. sows.

Lot 43, C. C. Watts, Winfield, Kan.,

Lot '28, C. E. Bratt, Frankfort, Kan., Lot 52, G. A. Sutton, Maple City,

Kan., \$55. Lot 47, Dr. Rude, Burden, Kan., \$25. Lot 44, John Whittleton, Lyons,

Kan., \$26. Lot 33. John Whittleton, \$35. Lot 45. C. C. Watts, \$40. Lot 46. Charles Myers, Udal, Kan.,

\$45. Lot. 42, H. B. Compton, Anness, Kan., \$35.

Lot 48, J. H. Henderson, Iola, Kan., Lot 41, F. Millspaugh, Jefferson Kan., \$20.

Lot 34, W. P. Carver, Burden, Kan., \$28.

Lot 51, W. P. Carver, \$25. Lot 50, J. W. Jenkins, Burden, Kan., \$34.

BOARS.

Lot 37, W. W. Slocum, Blackwell, O. T., \$13. Lot 27. H. Rowland, Dester, \$31.

Lot 27. H. Rowland, Dester, \$31.
Lot 39. B. F. Blue, Jefferson, \$18.
Lot 29. Charles Myers, \$11.
Lot 31. O.C. Henderson, Dexter, \$13.
Lot 35. L. N. Lucas, Oxford, \$20.
Lot 38. W. P. Carver, \$15.
Lot 40, H. B. Compton, \$10.
Lot 36. S. C. Campbell, Enid, O. T.,

Lot 32, R. J. Tomlin, Falls City, O.

T., \$20. Lot 49, S. W. Alfred, Sharon, \$21.

#### Marshall Brothers' Consignment. sows.

Lot 16, Samuel Drybread, Elk City Lot 14, E. E. Russell, Winfield, \$36. Lot 6, D. A. Kirkpatrick, Latham, \$45. Lot 12, B. F. Blue, \$25. Lot 8, Samuel Drybread, Elk City, Lot 17. Charles Myers, \$21. Lot 23. F. Millspaugh, Cherokee, \$19. Lot 25. Paul Rude, \$21. Lot 10, J. M. Glasscock, Moline, \$30.

BOARS. Lot 18, D. C. Treadway, Burden, \$16. Lot 2, G. A. Sutton, Maple City, \$27. Lot 3, T. A. Smith, Burden, \$30. Lot 1, Fred Stodder, Burden, \$100. Lot 4, J. N. Howe, Wichita, \$21. Lot 15, F. Millspaugh, Cherokee, O.

Lot 5, J. W. Jones, Delphos, \$92.50. Lot 11, A. E. White, Moline, \$16. Lot 13, Samuel Drybread, \$40. Lot 9, J. D. Hoop, Udal. \$19. Lot 19, H. Hatch, Gridley, Kan., \$11, Lot 20, J. C. Hite, Dexter, \$16. Lot 21, Elmer DeWitt, Burden, \$11.

Lot 15 1-2. E. L. Young, Bayneville, Kan., \$20.

Lot, 22, B. F. Blue, Cherokee, O. T.,

### THE KANSAS FARMER

# Your Money's Wor

You are going to buy stock food this season to put your unthrifty stock in a thrifty condition and to make your thrifty stock do better and pay better. But when you do buy, be sure you get your money's worth. How much you pay a pound for it cuts very little figure. What it does for your stock—how far it goes—how long it lasts—how much per month it costs you to feed it, these are the important things.

# Standard Stock Food

IT MAKES STOCK THRIVE.

Costs less to feed, goes farther, lasts longer and does more good than any other stock food in the world. We can prove these things to you, but better than that, you can prove them yourself by simply using a little Standard Stock Food with your stock's daily ration. It proves itself.

AS TO QUALITY: You don't even have to try it to be convinced.

If your dealer will open packages of various stock foods, and let you
se them, smell them, taste them—you can see, smell and taste the suseriority of the Standard. You can tell in thirty seconds that it is
tronger, better and more concentrated than any other. Just compare
hem and see.

them and see.

AS TO COST: All you have to do is to take the feeding directions on the packages of various makes and figure it out for yourself. You will find that a dollar's worth of Standard lasts longer and goes farther than \$2.00 or \$3.00 worth of "cheap" stock foods.

AS TO RESULTS: You can be pretty sure of that, too, before you buy, for the testimony of more than 250,000 of the best farmers and feeders in the world, who have tested it and proved it, and who know that it pays better than anything else that they have ever used, ought to satisfy you. Moreover, you buy it on our

Square Deal Guarantee.

If it does not do all we we say it will 'o, you get your money back.

The editor of this paper would not prin this guarantee if he did not believe in Standard Stock Food and know that we will do exactly as we agree to do.

This is what Standard Stock Food does: A very little of it flavor the entire ration and maks it taste good. The This is what Standard Stock Food does: A very little of it flavor the entire ration and maks it taste good. The very smell of it makes the animal's "mouth water" and stimulates and increases the flow of all the juices and fluids that perform the work of digestion, enabling the animal to digest its food more easily, more quickly, and more thoroughly, so that it gets a larger percentage of nutriment from the feed. It decreases the waste and increases your profit, because every pound of feed you feed goes farther. It tones and invigorates the entire system, and puts unthrifty animals in a thrifty condition. It makes a horse work better; a cow give more and better milk; a steer, a hog, or a sheep take on more flesh and finer finish; a colt or calf growimore rapidly and evenly. It does make stock thrive.

Ask Your Dealer for the Standard and insist upon having it. If he will not supply you, we you keep and we will send you

THIS BIG BOOK FREE.

"The Standard Feeder," 160 pages, more than 200 illustrations; special chapters on the care and handling of live stock of all kinds and more practical information for stock owners than was ever crowded into a book before. You need this book. Send your name now—today.

Standard Stock Food Company, 1517 Howard Street, OMAHA, NEBRASKA.



160 page Book

#### Lot 7, J. W. Jenkins, Burden, \$13. SUMMARIES.

and gilts brought.

J. F. Stodder's consignment-

| 14 sows and gifts brought  |
|--|
| Average 31.21  |
| 11 boars brought 188   |
| Average 17.10  |
| 25 head brought 625  |
| Average 25   |
| Committee of the Commit |
| Marshall Bros'. consignment—   |
| 10 cows and gilts brought\$ 274  |
| Average 27.40  |
| 16 boars brought 464.50  |
| Average 29.03  |
| 26 head brought 738.50   |
| Average 28.40  |
| 51 head brought 1,363.50   |
| General average 26.74  |
|  |

#### J. R. Young's On and On Sale.

On Wednesday, December 20, at Richards, Mo., will be held one of the great Poland-China sales of the year. This will be the great On and On offering made by J. R. Young, the famous breeder. Mr. Young's reputation is so firmly established through his previous success as a breeder that nothing need be said about it, further than to say that his herd boar On and On is undoubtedly a greater hog than was Missour!'s Black Chief, Missouri's Black Perfection. Harmonizer, or any other

hog he has ever owned or raised. His get is wonderfully like him, and buyers will have the opportunity of their lives in attending this sale. The cata-logue of this sale is the finest that we have ever had come to our table and the breeding represented in it is not excelled by any pedigrees in the head have ever had come to our table and the breeding represented in it is not excelled by any pedigrees in the herd book. The writer was present at one of Mr. Young's previous sales when a breeder bought a sow for \$150 and sold her litter for \$910. Other litters sold for \$478, \$400 and several that went near the \$300 mark. The sale will include 12 or 15 capital sows by Perfection E. L., a half dozen or more by Missouri's Black Perfection, five by Diplomat, a number by C. P. 2d and one each by Prince Alert, Keep On, Phenominon and Mischief Maker. There will be other sows of high breeding and all bred to On and On. On and On was the champion at the Illinois State Fair, where he was shown under the most adverse circumstances. His dam most adverse circumstances. His dam was the producer of three champion sows by three different boars, and was the only sow that has produced a cham-pion from a Sunshine boar. Mr. Young has shown only a few of his get at the State Fairs but they have all been prize-winners. If you want the best there is in Poland-Chinas attend Young's sale. Whether you attend or not, be sure to write him for one of those beautiful catalogues.

#### Norton's Shorthorn Dispersion.

On Tuesday, December 19, will oc-cur the dispersion sale of the Nesho Valley herd of Shorthorns, the property of that splendid veteran breeder, D. P. Norton, Dunlap, Morris County,

On account of continued ill health, Mr. Norton is compelled to close out his entire herd of registered Short-horn cattle, and the same will be sold without reserve at his ranch located three miles south of Dunlap and nine miles north of Saffordville, Morris County, Kans. The offering comprises 58 head of cattle, consisting of 21 registered Shorthorn cows, 3 to 7 years istered Shorthorn cows, 3 to 7 years old, 10 2-year-old and 10 yearling heifers and 11 heifer calves. Also 5 registered bull calves and 1-year-old Cruickshank bull. This is the best poportunity of the year to secure some very desirable highly-bred Shorthorns.

An interesting pamphlet, interesting to persons looking for opportunity to better their worldly position by securing new lands, is a compilation of descriptions of Western Canada by famous newspaper correspondents. It is published by the Western Canadian Immigration Association of Minneapolis and may be had for the asking if you mention the Kansas Farm5r.

# BREEDERS' SALE IN COLISEUM, BLOOMINGTON, ILLINOIS 200-HORSES-200 JANUARY 3, 4 AND 5, 1906

ON WEDNESDAY AND THURSDAY, JANUARY 3 AND 4 we will sell

We will sell

160 Registered Percherons, French Drafts, Shires, Clydesdales, Horses, Mares, and Fillies.

These horses are consigned by the very oldest breeders in the State and out of the very best families and show herds that represent over 2,000 premiums to their credit. We don't claim to have all of the prize-winners of France, England, or Scotland, but we do claim to sell you horses that were good enough to win at St. Louis, Springfield and other fairs in 1904 and 1905. This will be one of the largest sales of pure-bred horses ever held in the State. These are the WIDE-AS-A-WAGON KIND and a number of them will weigh over 2,000 pounds.

ON FRIDAY, JANUARY 5, WILL SELL

40 Registered Trotters, Coach, All-Purpose, Grade, Draft, and Saddle Horses, Mares and Fillies.

This offering will consist of some of the very best bred ones in the State and some with very fast marks, also a lot of gentlemen's drivers, with several good match teams and a lot of All-Purpose horses. This will be a lot of very high-class horses. These horses are consigned by the very best breeders in the State and a number of them closing out their entire herds.

Consignors—Ed. Hodgson, El Paso, Ill., Percherons; D. Augstin, Carlock, Ill., Percherons; Hurt & Som, Arrowsmith, Ill., Percherons; Moots & Dodson, Normal, Ill., Percherons and Combination Horses; John C. Baker, Manhattan, Ill., Percherons; Hurt' & Reid, Arrowsmith, Ill., Percherons and Shires; R. Stau-Normal, Ill., Percherons; M. C. Marry, Holder, Ill., Percherons; A. M. Storm & Son, New Leniz, Ill.; B. S. Harper, Larose, Ill.; S. S. Kirkpatrick, New Richmond, Ind.; Geo. C. Beck, Attica, Ind.; Ed. Murray, El Paso, Ill.; F. M. Smith & Son; Crawfordsville, Iowa; and 38 other consignors.

C. W. HURT, Manager, Arrowsmith, Illinois

# BIGPUBLIGSALE

Janes Stock Farm

# Willard, Kansas

# Wednesday, Dec. 27, '05

This sale will consist of a fine string of well-bred trotters, roadsters and standard-bred mares. Comprses 25 head of General Evans 2:26% by Gambetta Wilkes 2:221/2 and out of mares by such noted sires as Robt. Mc-Gregor, Col. West, Altamo and St. Elmo. Age of mares running from 2 to 7 years. Gen. Evans 13166, is the sire of Pilot Evan 2:13 and Amile Evans 2:24. Terms cash. Free lunch. For information address,

H. S. Janes, Clerk, or C. M. Hosock, Guardian.

# The Man

#### Kansas City Grain Market.

Kansas City wheat receipts this morning were 163 cars; Saturday's inspections were 56 cars. There was a fair demand for car lots at unchanged to 16c yower prices for hard wheat; soft wheat advanced 1c. Sales ranged as follows: No. 2 hard wheat, 82@ 841409 No. 3 hard wheat, 78@81c; No. 4

84 1 9 No. 3 hard wheat, 78 81c; No. 4 hard wheat, 78 678 1c; No. 2 red wheat, 91 692c; No. 3 red wheat, 90 1c; No. 4 red wheat, 70 6860.

Receipts of corn were 386 cars; Saturday's inspections, 150 cars. Car lots sold 16 11 1c lower, as follows; No. 2 mixed, 40 12 lower, as follows; No. 2 mixed, 40 12 lower, 10 1c lower, 10 l

day's inspections, 13 cars. The market was steady to ½c lower, sales ranging as follows: No. 2 white, 31@32c; No. 3 white, 30½@31c; No. 4 white, 30c; No. 2 mixed, 30½@31c; No. 3 mixed, 30c; No. 4 mixed, 29½c.

Bran is quoted at 73c; barley, 36½c; No. 2 rye, 63@64c; shorts, 80@85c; cornection, 82c.

chop, 82c.

#### Kansas City Live-Stock Market.

Kansas City, Mo., Monday, Dec. 11, 1905.—Under the influence of heavy cattle receipts here last week, 61,000 head and liberal runs elsewhere, the market on beef steers was erratic. It was worst the middle of the week, but even after the middle of the week, but even after some recovery Thursday and Friday, closed 10 to 15 cents lower on grades selling from \$4.25 to \$4.90, which included the bulk of sales. Good to choice steers, and common ones did not lose so much. Cows also declined 10 to 15 cents, but stockers and feeders had a good demand all week, and ended 10 cents higher. Some very good quality range stockers were included, quality range stockers were included, some choice panhandle black yearlings at \$4.15, panhandle Herefords at \$3.90,

and Colorado yearlings at \$4.00.
Supply of cattle to-day is 15,000 head, market nearly steady on killing grades, stockers and feeders strong. Some stockers and Chrisemas cattle are here to-day, Hereford yearlings at \$7.00, galloway 2-year-olds at \$7.05. Top on general markets is \$6.00, top heifers \$5.10. Bulk of steers sell at \$4.25 to \$4.90, plain cattle below \$4.00. Packers bought liberally last week, but the moment receipts dropped off, on Thursday, the market strengthened, indicating a healthy tone Fed heifers and yearlings sold at \$4.25 to \$4.90, toppy ones losing 15 to 25 cents during the week, medium grades 10c lower. Majority of fed cows sell at \$3.00 to \$3.50, a few at \$4.00, canners \$2.00 to \$2.35. Calves gained 25 cents during the week, years \$5.50 to \$6.50 during the week, veals \$5.50 to \$6.50, heavy calves \$2.75 to \$4.50. Bulk of the stockers and feeders brought \$3.25 to \$3.90, choice stockers around \$4.25, and fleshy feeders of choice breeding up to

The hog market reached the best point on Wednesday, declining after that, but closing the week with a net gain of about 10 cents. Receipts were heavy, at 71,000 head, but packers were keen competitors at all times. Supply to-day 9,000 head, market 8 to 10 cents lower, top \$5.00, bulk of sales \$4.85 to

\$4.95, light weight hogs up to \$4.90. Local prices are still above competing points.

points.

Sheep: and lambs also fluctuated somewhat, but closed the week with a gain of 15 to 25 cents on sheep, 15 to 30 cents on lambs and yearlings. Receipts were 25,000 for the week, run to-day 6,000, market strong and active to-day. Top fed western lambs to-day \$7.40, natives \$7.50, fed western yearlings to-day at \$6.60, wethers \$6.00, ewes \$5.25. Bulk of sales are within 50 cents of these figures in each class.

J. A. RICKART.

#### St. Joseph Live-Stock Market.

South St. Joseph, Mo., Dec. 11, 1905.—
With the aggregate number of cattle
at the five points reaching 6,500 to-day,
and fully two-thirds of this number
centered in Chicago, prices naturally
sought a lower level, but the decline
was not as great here as at other sought a lower level, but the decline was not as great here as at other points. Right choice prime yearlings to-day sold up to \$5.60, which was about steady with the same style at the close of last week, but the plain medium and heavy styles and the fair to pretty decent grades of light and medium weight export and dressed-beef steers generally ruled right around 10c lower, but the demand was very strong at the lower range of prices, and the trade was considerably disappointed in the poor showing of choice to prime trade was considerably disappointed in the poor showing of choice to prime kinds suitable for the holiday trade. The trade in cows and heifers was of very large volume at prices weak to 10c lower than the close of last week. Delower than the close of last week. Desirable canners and cutters sold to the best advantage, while good beef cows and fat helfers were very hard to move at the decline. Canning and belogna bulls as well as stockers and feeders were in active demand and yeal calves. were in active demand and veal calves were in active demand and veal calves showed no change from the close of last week. The supply of stockers and feeders was not up to the requirements of the trade, and competition was keen for all fresh offerings. Included in the supply were a good many strong weight stockers and feeders on the native and also a very good showtive order, and also a very good showing of yearlings and calves, that show-ed good breeding and had good quality. Demand on canner account is very strong and fresh arrivals are not in sufficient numbers to satisfy the inquiry.

The trade in sheep and lambs this week shows about steady on lambs, the first Colorados of the season selling today up to \$7.50. Sheep were about 10c lower, but demand was good and mar-ket active. WARRICK. ket active.

A through sleeping car line between Kansas City and Des Moines, Mine-apolis and St. Paul via the Wabash and apolis and St. Paul via the Wabash and Minneapolis and St. Louis railways has been inuagurated, taking effect Sunday, December 10th. Train leaves Union depot Kansas City via Wabash 9 p. m., arriving at Des Moines 8 a. m., Minneapolis 6:50 p. m. and St. Paul 7:30 p. m. next day. Buffet service all the way. All railroads sell tickets via this popular line. If you are going in that direction ask your agent for tickets over the Wabash and Minneapolis and St. Louis railroads—and get the best. the best.

#### How to Completely Remove Corns and Bunions.

They are a source of great annoyance and discomfort, and can be completely and discomfort, and can be completely eradicated in a simple and inexpensive manner, with no possibility of danger. Cutting with a knife is dangerous and often causes blood poisoning and caustic chemicals are bad. I have quickly and permanently cured myself and will contain the information to any one gladly give the information to any one who will send me a stamped self-addressed envelope for reply, absolutely of cost.

Adress, J. C. Bush, Room 5063E Met-ropolitan Building, New York City.

#### LEGAL.

#### Publication Notice.

Frank A. L. Heustis, will take notice that he has been sued in the District that he has been sued in the District Court, Shawnee County, State of Kan-sas, in an action in which Minnie D. Heustis is plaintiff and Frank A. L. Heustis is defendant; that the plaintiff's petition now on file in said court alleges gross neglect of duty on the part leges gross neglect of duty on the part of the plaintiff toward the defendant, and asks that the plaintiff be granted a divorce from the defendant; that unless the said Frank A. L. Heustis shall answer the petition of the plaintiff on or before the 30th day of January, 1906, said petition will be taken as true and judgment he rendered in accordance judgment be rendered in accordance the prayer of said petition, and with the prayer of said petition, and the plaintiff be granted a divorce from the defendant, also the care, control and custody of the child born to the plaintiff and defendant, and all of the property now owned by the plaintiff, together with costs of this action.

P. H. FORBES, P. H. FORBES, Attorney for the Plaintiff.

I. S. CURTIS, Clerk of the District Court.

# Special Mant Column

"Wanted," "For Sale," "For Exchange," and small want or special advertisements for short time will be inserted in this column without display for 16 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.

FOR SALE—Fine young D. S. Polled Durham bulls, get of Duke of Rose Pomona III X 1479 and S. H. 166626 out of Canadian Duchess of Gloster 29th. C. M. Albright, Route 2, Overbrook, Kans.

PEDIGREED SHORTHORN BULL—8 years old; sire Magenta, who cost \$1,100 at 8 months. Chesp. S. J. Renz, Leavenworth, Kans.

FOR SALE—25 Durco-Jersey boars, large enough for service and 60 glits, open or bred. Pigs strong boned and best of color. Prices low. A. G. Dorr, Route 6, Osage City, Kans.

HOLSTEINS—Have been bred to transform their feed into milk instead of tailow. That is the kind to dairy with. It wont cost much to grade up if you buy a buil calf. I have also one yearling bull, extra good. H. B. Cowles, Topeka, Kans.

CHOICE Registered Shorthorn bulls and helfers, theap. M. C. Hemenway, Rope, Kans.

FOR SALE—Registered Aberdeen-Angus cattle, 5 bulls and 2 cows, well bred and good individuals, Will sell very cheap, as I have to dispose of them within a limited time. C. E. Bouse, Route 5, Holton, Kans.

FOR SALE—One full blooded Holstein-Fresian bull with pedigree. A good breeder. Price, \$50. Address J. W. Mitchell, Box 12, Route 2, Morrill, Kans.

TWO AND THREE YEAR old registered Short-horn helfers and young cows (bred) at anap prices to close out grand stock at finest breeding. D. P. Norton, Duniap, Kans.

FOR SALE—The pure Cruickshank bull, Violet Prince No. 145647. Has been at the head of our herd as long as we can use him. An extra animal, H. M. McAtee, Topeka, Kans. (2 miles west of Kansas Ave. on 6th Street road.

WANTED—Man to milk 25 cows and seperate 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, Kansas.

REGISTERED GUERNSEY BULLS.—Ready for service. Also pure-bred Scotch Collie pupples. Dr. J. W. Perkins 422 Altman Bld., Kansas City, Me.

FOR SALE — Registered Jersey cattle. Two yearling buils. Sires. A son if Bessie Lewis, 28 lbs. butter 7 days, and "Financial Count" (Imported) grand dam held Island butter record 3 years. Sire's dam helds public milk record of 58 pounds daily, and his dam and Island winner in class for 2 years. Her 4 dams 22 to 28 quart cows, and all winners. Sayda Polo Jersey Farm, Parsons, Kans.

FOR SALE—Say! I have some fine, big-bones, broad-backed Berkshires, breed sows or pigs. Want some? Write me; turkeys all sold. H. M. Melville, Hudors. Kans.

BOARS FOR SALE—9 Poland - Chinas of March farrow. Select pigs reserved for sale which was postponed. Address W. L. Reid, Route 4, North Topeka, Kans. Phone 433 via Meriden.

DUROC BOARS — Oom Paul (23 times sweep-stakes) strain. Spring boars \$10; yearling boars \$20 S. J. Renz, Leavenworth, Kans.

FOR SALE-25 Duroc boars large enough for service and 60 glits, open or bred; strong bone and best of coler. Price low. A. G. Dorr, Osage City, Kans.

FOR SALE-Two registered O. I. C. boar pigs ready for service. A. W. Toews, Inman, Kans.

#### POULTRY.

BUFF ROCKS—A few good cockerels for sale at \$1 each. H. M. Stephens, Munden, Kans.

BUFF COCHIN BANTAMS—\$2.50 per pair. An appropriate Christmas or birthday present that will delight the children. James C. Jones, Leavenworth, Kans.

FOR SALE—150 B. P. R. and W. P. R. cockerels and pullets; strong, vigorous, cockerels, \$\frac{1}{2}\to \\$\frac{1}{2}\to \frac{1}{2}\to \\$\frac{1}{2}\to \frac{1}{2}\to \\$\frac{1}{2}\to \frac{1}{2}\to \\$\frac{1}{2}\to \frac{1}{2}\to \frac{1}{2}\to \frac{1}{2}\to \frac{1}{2}\to \frac{1}{2}\to \frac{1}{2}\to \frac{1}{2}\to \frac{1}{2}\to \frac{1}{2}\to \frac{1}{2}\ Ottawa. Kans.

BUFF COCHIN BANTAMS—\$2.50 per pair. An appropriate christmas or birthday present, that will delight the children. James C. Jones, Leavenworth, Kans.

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15 varieties pure-bred chickens, ducks, geese and turkeys. Fowls and eggs at low prices. Write for catalogue. H. H. HINIKER, Mankate, Minn., R. R. 4.

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FOR SALE—The best seven-eights black Percheron colt I ever saw, coming 2 years old; also other good ones and some filies. F. H. Foster, Route 6, Box 18, Lyons, Kans.

FOR SALE Registered French draft and Percheron stallions, mares and colts; bays, browns and blacks. One gray stallion, 13 year sure. Jake Howald, Hoyt Kans.

FOR SALE—Mount Oread 33390—black stallion of p beauty, style and fine disposition, 15% hands. By Appamantus, out of Frankie Lyons by Mambrillo Patchen; second sire Allendorf, out of Alma Mater by Mambrino Patchen, third sire Onward, out of Dolly by Mambrino Chief; fourth sire George Wilke Dam of Mount Oread, Cosino by Patchen Wilkes Price, \$600. Also growthy 2-year-old son, standard, dark bay, for \$200. George W. Maffet, Lawrence, Kans.

LOST OR STRAYED—Brown mare, weight 1100 pounds, white spot in forehead, barb wire cut on side, somewhat sway backed. Suitable reward for return. J.W. Gillard' 835 Highland ave., Topeka.

#### SEEDS AND PLANTS.

50,000 TREES AT HALF PRICE—First-class apple, plum, cherry. Plants, shrubs at wholesale. Peach tree, \$10 per thousand. Catalog free. Seneca Nursery, Seneca, Kans.

#### Pure English Blue Grass Seed.

One thousand bushels of FANCY English Blue Gras, Strictly Clean, \$6.00 per hundred pounds or \$1.35 per bushell f. o. b. Independence Kansas. No charge for macks. Send for sample.

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KANSAS LANDS.—I have a cholos let of well-improved farms in Marion County, varying from \$20 to \$50 per acre. Also large list of Western Kan-nasi lands. For full particulars, address, A. S. Gets-enberry, Marion, Kans.

FOR SALE—220 acre well improved farm 6 miles from Emporia. Price, \$25 per acre. Write Hurley & Jennings, Emporia, Kans.

GOOD BARGAINS—80 acres, small improvements, \$1,600: 180 acres, 80 acres cultivated, improved, \$3,200: 180 acres, all bottom, fine laid, \$5,600: 480 acres, nice smooth land, \$17 per acre; \$40 acres, fine wheat section, \$16 per acre. All sizes and kinds. Write to Minneapolis, Florence, or Salina, Kansas, for list. Garrison & Studebaker.

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 artesian wells, one at house and one at barn; good for any kind of crop, a good fish pend near the house with plenty of fish. J. Bainum, Arlington. Kans.

FOR SALE.—A good farm of 320 acres in Anderson County, Kansas, main line Missouri Pacific rallway, R. F. D., near to school and church, American community, good improvements; \$22.00 acre. A bargain. Address O. J. Prentice, 156 Wabash avenue, Chicago.

FIFTY farms in Southern Kansas, from \$15 \$5.70 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 sity property, I have it. Write me. I can fix you out Wm. Green, P. O. Box 866, Wichika, Kans.

CHASE COUNTY PASTURE FOR SALE—Consisting of 2,040 acres, located one-half mile from Baraar, Kansas, on the line of the Orient Rallway. All under fence. There is never-failing water in abundance with about one and one-fourth miles of creek with some timber and never-failing springs. Price, 310 per acre. Address J. J. Carter & Cs., Central Nat'l Bank Bidg., Topeka, Kans.

FOR SALE—The best 320 acre farm in Bulter Co., 3½ miles to Potwin, Kans., on R. F. D. and telephone. Bottom and second bottom; 185 acres in cultivation, 100 acres in pasture, about 5acres stone, 50 acres lots and timber, running water, 20 acres alfalfs, good well and mill, new 12-room house, 2 cellars and cisterns, new barn for 10 horses, with loft two-story, hog house 20 by 40, double crib 30 by 36, hen house, sheds, etc. Extra good orchard, land and buildings in first-class shape. All fenced with hedge and wire. A model home and cheap at \$40 per acre. Also other lands for sale. M. H. Johnson, The Farm Land Agent, Potwin, Kans.

IAND FOR SALE in Western part of the great wheat State. M. W. Gilbert. Wallace, Kans.

SAY If you want a tame grass, corn and wheat farm address Buckeye Agency, Williamsburg, Ess.

### KANSAS LAND FOR SALE.

Corn land, wheat land, alfalfa and ranch land. Write us for prices. Niquete Bros., Salina, Kansas.

FOR SALE—50 seres Arkansas second boftom.
4 miles cast of Great Bend. All in cultivation.
Fine alfalfa land. Address R., care Manuss Farmer,
Topska, Kans.

#### MISCELLANEOUS.

EARN FROM \$87.50 to as high as \$155.50 per month. Wanted—400 young men and sound men of good habits to become brakemen and firemen. Bigdemand in Wyoming, Nebraska, Kansas, Colorado, and Missouri. Instructions sent by mail; stamp for reply. Northern Railway Correspondence Schoel, Room 202 Sykes Block, Minneapolis, Minn.

LADIES—To do piece work at their homes. We furnish all material and pay from \$7 to \$12 weakly. Experience unnecessary. Send stamped envelope to Royal Co., Desk 49, 34 Monroe Street, Chicago.

FOR SALE OR TRADE—Livery barn, 80 by 79, feet, nearly new, on corner lot Fredonia, Wilson Co., Kans. Will trade for stock of hardware or land in Central or western Kansas. H. M. Davis, owner, Thayer, Kans.

WRITE TO-DAY to Box 436, Seneca, Kansas, for particulars as to lay-out to a good blacksmith.

WANTED-Your apples to grind. I do custom work every Saturday at my mill on West Math st. H. W. McAfee, Topeka, Kansas.

AGENTS WANTED Belle 1 bottle Barsaparilla for Eto, write today for terms. F. H. Greene, 115 Lake St., Chicago

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NATIONAL POETRAIT CO., - Chicago, III.

# TAPE-WORM alive lied head, or no fee. No fasting. Large pamphles for Se champ. DR. M. NEY SMITH, Specialist, 500 Fine st., 81. Laula, 22.

WANTED—Lady Agents \$3 to \$6 per day, introducing into every househeld our brand new style hat pins. Exclusive territory, success certain. Send 25 cents for sample. W. M. Judy Co., \$11 W. 5th St., Cincinnati, C.

# Stray List

Pottawatomic County—C. A. Grutzmacher, Clerk. STEER.—Taken up by Emil Zoeller, in Blue 15. (P. O. Manhattan), Nov. 6, 1905, one steer, branded Zor V; valued at \$25.

Labette County—A. E. Townsend, Clerk.
MARE—Taken up by E. Beck. in Hackberg 15. (Oct. 22, 1905, one 9 or 10-year-old sorrel mare, 15 hands high, white spot in face, left hind foot white 3 silts in right ear; valued at \$30.

Marion County—D. D. McIntonh. Clerk.

Marion County—D D. McIntosh, Clerk. STEER.—Taken up by W. J. Gutsch, in Colfax tp. Aug. 4, 1905, one 2-year-old roan steer. (Western) marked anchor brand on left side; valued at \$25.

#### Week Ending Dec. 2, 1995.

Shawnee County Clerk
STEERS—Taken up by Jacob L. Strohm in Auburn tp.. October 24, 1965, one red and white steer, some white on neck, with white face; one light red steer, some white on face with bush on tall; valued

Week Ending December 14, 1905.

Wabaunses County. Simeon C. Smith, Clerk. SOW.—Taken up by J. W. Sage in Mission Creak to. November 23, 1905, one black sow, weight about 150 pounds, height 1 foot 6 inches, has white spots on each side, sitts in each ear.

Pottawatomic County—C. A. Grutsmacher, Clerk STEER—Taken up by E. P. Tibbetts in Rock Creek tp. (P. O. Westmoreland). Nov. 2. 1905, one red steer, right ear split; valued at \$20.

#### **POULTRY BREEDERS' DIRECTORY**

FULL-BLOOD R. C. Brown Leghorn cockerels, ill each if taken soon. Address J. E. Wright, Wil-

WHITE HOLLAND TURKEYS for sale at ## er trio from flock that score 95 to 97% points, som 6 to 20 pounds, heps 10 to 14 pounds. Mrs. Geo. E. leck, Hox 21, Great Bend, Kans.

S. C. B. LEGHORNS exclusively; 20 fine cockerels and 4 cocks for sale, cheap. Address, J. A. Kauffman, Abilene, Kans.

B. P. Rock Cockerels vi. se each; W. H. Turkey toms, \$2.50 each. Address or call on T. J. Sweeney, Route 2, Maple Hill, Kans.

A CHOICE lot of pure-bred White Wyandotte cockerels for sale at \$1 each. Mrs. C. E. Williams, Irving, Kans.

WHITE Plymoth Rock cockerels for sale. Pure white, yellow legs, bayeyes, fine shape. Write for prices, they are right. J. C. Bostwick, R.2, Hoyt, Ks

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

EGGS FOR SALE—S. C. W. Leghorns, W. Wyandottes; \$1 per 15. W.H. turkeys, \$1.50 per 9. Emden geese, 20c each, W. African guineas, \$1 per 17. All guaranteed pure-bred. A. F. Hutley, Route 2, Mapie Hill, Kans,

WYANDOTTES, White and Silver, and W. H. Turkeys. High grade stock at low prices. Write your wants to R. Boyd Wallace, Stafford, Kans.

ROSE COMB RHODE ISLAND RED Chickens. Thoroughbred Duroc-Jersey pigs. High-grade Red Polled bull calves. Prices reasonable. Address I. W. Poulton, Medora, Kans.

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

MAMMOTH BRONZE TURKEYS and Golden Wyandottes. Young stock for sale. Address, Mrs. A. B. Grant, Emporia, Kans.

MAMMOTH WHITE HOLLAND TURKEYS and White Wyand tte chickens Henry Harringand White Wyand tte chickens He ton, Clearwater, Sedgwick Co., Kans.

STANDARD BRED SINGLE COMB BUFF LEGHORNS—Headed by first prize pen Chicago Show 1903 and took six first prizes and first pen at Newton 1904. Eggs, \$6 for 15. S. Perkins, 801 East First Street, Newton, Kans.

BS. C. W. Leghorns and Buff Rocks. Winners at State Fairs. Eggs. \$1 per sitting. J. W. Cook, Route 3, Hutchinson, Kans.

TO GIVE AWAY—50 Buff Orpingtons and 50 Buff Leghoras 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 98% to 94%. Mr. & Mrs. Chris Bearman Ottawa, Kans.

WHITE WYANDOTTES—Choice Cockerels Pullets or Hens for sale cheap. S. W. Artz, Larned, Kansas.

SINGLE COMB WHITE LEGHOBN cockerels. singlik commore 30 cents each. Fine white, pure, thoroughbred birds. Also a few Barred Piyamouth Rocks, barred to the skin, fine, pure; and vigorous; hens, cockerels, cocks and pullets, \$1 cach; two or more, 30 cents each. All of our customers are very well pleased. We will make reductions on large lots. Meadow Poultry Farm, Coulterville, III.

PURE-BRED S. C. B. Leghorn cockrels, 75 cents each, six for \$4. F. P. Flower, Wakefield, Kans.

LOW PRICES on bone-cutters, clover cutters, prooders, grit mortars and poultry supplies. Free supply Catalogue. Address manufacturer, Hum-phrey, Yale Street, Jollet, III.

#### SAVE YOUR CHICKS.

Use the Itumar 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, Clendale Park, Hutchinson, Kansas.



Johnson's Laying Strain R. C. BROWN LEGHORNS

Stock for sale. Come early and get the cream. About 100 selec-ted cockersis from \$1 to \$2 each. Reduction on four or more.

C.H. M. JOHNSON,

# YOUNG STOCK.

A fine lot of White Plymouth Rock cockerels and pullets and White Wyandotte cockerels from our prisewinning strains for sale at attractive

W. L. BATES, Topeka, Kansas.

#### 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; elght pullets averaging 289 eggs each in one year. I have bred them exclusively for twelve years and have them scoring \$4\$ to \$624, 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

#### SCOTON COLLIES.

SCOTUH COLLIES.—Scotch Collie pups from registared stock for sale. Emporia Kennels, W. H. Richards V S. Emporia, Kans.

msCOTCH COLLIE PUPS FOR SALE—7-months old. Pedgree furnished. Address Chas. W. Gree-ham, Bucklin, Kans.

#### The Poultry Hard

CONDUCTED BY THOMAS OWEN.

Poultry Pointers.

It would be well for those who refer to the poultry industry as a small business, to ponder on what the Hon. James Wilson, Secretary of Agriculture, says in his recent report of the hen and her products. He says: "The farmer's hen is becoming a worthy companion to his cow. The annual production of eggs is now a score of billions, and after supplying the needs of factories, tanneries, bakeries and other trades, they are becoming a substitute for high-priced meats, besides entering largely into the everyday food of the people. Poultry products have now climbed to a place of more than half a billion dollars-\$500,000,000; and so the farmer's hen competes with wheat for precedence."

Unslacked lime is a good thing to have on hand to keep the hen-house clean and wholesome this winter. It can be easily scattered by the hand all over the house. Sprinkle everything in and about the poultry-house with it once a week. It will prevent disease and banish lice and foul odors.

Commission merchants say that on an average there is a difference of 4 cents a dozen between soiled eggs and those that are sent to market bright and clean. And it is not necessary that all the eggs of a shipment shall be soiled in order to make the consignment rank as such. Even a very small proportion of soiled eggs in a package will cause the whole to be rated several cents below the best market price. Caused by the trampling of dirty feet on the eggs by the hens, fresh from the wet dirt of the yard, the discoloration does not affect the contents, but it gives the eggs an uninviting appearance, and it is not expected that people will be indifferent to the looks of things which they buy for the table. Poultry-keepers can afford to take time to clean the shells of the eggs which they send to market when the failure to do so means the loss of 4 cents a dozen.

One of the worst objections to feeding soft feed of any kind to poultry on the ground, is that in picking it up there is certain to be more or less filth picked up with it and this is almost certain to generate disease. If the best health is maintained, not only must the feed be clean and wholesome, but it must be supplied so that the fowls will be able to eat it in a cleanly manner. If fowls are fed soft feed out of doors, it should be placed on boards or in a trough. If they are confined, it should be fed in the passageway of the poultry-house on a board or trough, the fowls getting it through the slats that divide the passageway and pen. In this way they cannot get their feet into the feed.

Light, sunshine, cheerfulness, freedom from damp-these are among the essential things in the poultry-house. They yield health, eggs and a profit. It is useless to expect fowls to be wholesome and furnish delicately flavored eggs when compelled to live in a dark, damp, foul house.

The Department of Agriculture has just issued a bulletin on the guinea fowl, and advises the raising of more by the farmer. While the guinies are noisy creatures they lay a large number of eggs during the summer time, and forage for their own living if given plenty of range during the greater part of the season. A flock of them can be kept on the farm to good advantage. They make an excellent table fowl, their flesh being sweet and of a gamey flavor. In fact, in several of the large cities in the East they take the place of game on the tables of the hotels and restaurants. Since the game law in Kansas will not allow any one to sell quail or wild ducks, they ought to be in demand to take the place of such.

The poultry shows are now com-

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# ENTERPRISE Bone, Shell and Corn Mills

grind any combination of roots, bark, dry bone, shells, corn or grain. Save their cost in grinding bone meal for fertilizer. Mills are equal to steel and have a capacity of 114 bushels of corn per hour. Weight 60 lbs Mill shown in cut \$850, with or without pulley attachment as desired.

Look for the name "Enterprise." Full information on request.

THE ENTERPRISE MFG. CO. of PA.. 351 Dauphin St., Philadelphia, Pa.

mencing and fanciers ought to attend them whenever they can. If they think their birds not good enough to exhibit, they ought to attend the shows for the valuable information they can obtain concerning the different breeds, and thus they can get on the right track towards improving their own flock. Attend your own county show by all means, and then wind up by attending the State show at Topeka, Jan. 8 to 13. This will be the biggest show west of New York, and it is well worth coming several hundred miles to see.

#### Black Single-Comb Minorca Cockerels.

EDITOR KANSAS FARMER: - Do any of the Kansas Farmer readers have Black Single-Comb Minorca cockerels A SUBSCRIBER.

Thurman, Kans.

Those who have had better advertise them in the Kansas Farmer.

#### Origin of Buff Rock Chickens.

EDITOR KANSAS FARMER:-Will you tell me through your valuable paper the originality of the Buff Rock chickens? Are they a cross of the Rhode Islands Reds and the Barred Rocks? AN OLD SUBSCRIBER.

Pond Creek, Okla.

Ans: The Buff Rocks have been developing for several years and there are many strains of them. Some strains doubtless are a cross of the R. I. Reds and Plymouth Rocks, either white or barred. Some strains may have Buff Cochin blood in them. It is a hard matter to find out the truth about them, as the originators do not like to tell how they managed to perfect the breed.

One way of improving poultry is by selection. By saving the eggs from the best laying hens, always being careful to have such hens in company with a pure-bred male, and if it is the son of a good laying hen, the pullets that may be sired by him will be good layers as compared with breeding from all kinds of hens. The farmer who would indiscriminately cross his stock, breeding first to one breed and then another would not be called wise; and this applies to poultry as well as other stock. Select a breed and stick to it, for there is not so much in the breed as in the care. If the stock is mongrel to begin with, breed to pure-bred males all the time, and constant improvement will be made. If the stock is pure-bred, do not breed to some other variety, for whatever benefit may be derived from the first cross, will be destroyed in the next; for the second generation will be only scrubs and will lose the valuable points of their ancestors very o Constant improvement along straight lines should be the aim of every breeder of poultry.

#### Improving White Leghorns.

Efforts are being made at the Kansas State Agricultural College to increase the egg-laying capacity of blooded chickens, particularly White Leghorns, by breeding and selection. Individual records are kept of the hens laying the greatest number of eggs per year. The highest scorer's eggs are reserved for hatching. This is continued from year to year.

The Dairy and Animal Industry Department has a large number of White Leghorn, White Wyandotte, Plymouth Rock and American Red chickens, with which the students carry on various experiments. Settings of eggs not used are sold to farmers. The department now has twenty-five White Leghorn cockerels for sale.

A. M. H. BEEMAN.

The cumforts and discumforts ov life are so nicely ballanced amung humanity that evry one thinks he iz just a little better off than the other phellow.-Billings.

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The Hight Roma
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
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7 W 9th St. Kansas City, Mo.



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They save worry. Help you make more money. Strong, durable. Even heat, pure air, simple to run. Beginners get big hatches. Write us for proofs and learn to add to your income. Handsome catalog free. HEBRON INCUBATOR CO., Box 18, Hebron, Neb.

TVERYTHING FOR POULTRY. Our Catalogue, 228 pages, (8x11) is a valuable guide to money-making poultry success. De-scribes all needed articles. We make them, including the new 1906-pattern STANDARD CYPHERS INCUBATOR

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More and Healthier Chicks than any other.
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The only machines that rival the mother hen. Incubator and Poultry Catalogue
FREE. Booklet, "Proper Care and Feeding Small Chicks, Ducks and Turkeys," 10c. 50c poultry paper one year, 10c.

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#### A Free Book About Incubators

We issue the best book ever written on incubators—written by a man who has spent 24 years in perfecting them—by the man who made the Racine. It tells facts that you must know to get the right incubator. Don't buy without reading it, for the book is free. We Pay the Freight. Racine Hatcher Co., Box 88, Racine, Wis. Warehouses: Buffalo, Kansas City, St. Paul.



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. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### FOR SALE

15 varieties pure-bred chickens, ducks and turkeys. Fowls and eggs at low prices. Write for catalogue. H. H. HINIKER, Mankato, Minn.

#### 200 Barred Rock Cockerels

For Sale. Sired by the First Prize cockerel Kansas State Show 1905. If you want first-class cockerels for utility or the show room, write me at once. I can please you in both quality and price. I also have 30 yearling hens, (cockerel bred) ch'ap to make room. Let me mate a trio or a pen for you that will give satisfactory results. Satisfaction guaranteed or maney refunded.

A. H. MILLIAGE.

#### DUROC-JERSEYS.

D. M. TROTT Abllene, Kans., famous Duroc

Write us for description on June, July and August pigs. Prices \$8 to \$10 each. Eight choice herd sows, guar-anteed. Prices right if taken at once.

NEWTON BROS., Whiting, Kans. Breeders of Registered Duroc-Jerseys.

Pearl Herd Duroc-Jerseys For Ready Sale—30 well-grown spring boars and 55 gilts, sired by Pearl Wonder 31393, Cherry Roy 31395 and Wichita Prince 28209. Address (wire or phone) C. W. Tayler, Pearl, Dickinson County, Kans., (mail) Route 2, Enterprise, Kans

COUNTY SEAT HERD DUROC-JERSEY SWINE Geo. Briggs & Son, Clay Center, Neb, Young stock for sale.

D UROC-JERSEYS — Large-boned and long-bodied kind. A fine lot of spring pigs either sex, for sale. Prices reasonable.

E. S. COWEE, R. F. D. 2, Scranten, Kans.

Duroc-Jerseys

J. U. Howe,
Wichita, Kamsas
Farm two miles west of
city on Maple Avenue

Fairview Herds, Duroc and Red Polled A few spring boars and Red Polled Bull Calves for sale.

J. B. DAVIS, Fairview, Brown Co., Kas.



DUROC SWINE—Cheap 20 head of bred gilts, 20 boars large enough for service, and 40 sucking pigs and 2 large herd boars. Write for prices. CHAS. DORR, Route 6, Osage City, Kansas

### 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, Mgs., Asherville, Kans.

SUNNYSIDE HERD OF DUROC-JERSEY SWINE. Aged sows, yearling sows, spring boars and gits for sale cheap. Our brood sows have all been prize winners in hot competition. Our spring pigs are sired by Burrells Hague 21469 and Sunnyside Prince aisso. Hague & Sons, Route 6, Newton, Kansas. Phone on farm.

Orchard Hill Herd

OF DUROC-JERSEYS has for sale several fine males. Private sale catalogue of bred gilts will be ready about January 1. Address R. F. NORTON - Clay Center, Kans.

CRIMSON HERD OF DUROCS

Our herd is headed by first prize boar, Crimson Wonder, Jr., 38755, by Crimson Wonder 26355, the great boar, winner of many firsts, assisted by Kerr Champion 34469. Some fine boars for sale, weigh about 200, also some sows and gilts, bred to those fine sires, also a few boars from McFarland herd. We can mate trios not akin at \$45.00. Mrs. & Mrs. Henry Shrader, Wanneta, 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.

#### EUREKA MANOR HERD OF DUROC-JERSEYS.

A choice lot of young boars and gilts—the tops of my herd, all others having been castrated, My breeding stock is the get of the great show and prize-winning herds of the country. Hence these young boars and gilts are bred right. They have also been fed right, therefore are sure to please the most exacting. Hogs ready for immediate delivery. Correspondence invited. Address

J. F. ENSOR, Olathe, Kans.

JOHN W. JONES & SON, breeders and shippers, High Class Duroc-Jersey Swine.

100 head of very choice stock; either sex. For sale at reasonable prices. Nothing better. Write us at R. F. D. No. 3, Delphos, Kans.

#### ROCKDALE HERD of DUROC-JERSEYS

I have for sale, 35 head of the best boars I ever raised of March and April farrow. Sired by Chief Perfection No. 20609 by Van's Perfection No. 11571, Improved 3rd No. 28361 by Improver 2nd No. 13365, Dandy Orion No. 33879 by Orion No. 5238 and Sir Bunceton 22311 by Ohio King No. 12179. All out of matured sows of up-to-date breeding. Write me your wants. Visitors always welcome. Satisfaction guaranteed. J. F. Chandler, Frankfort, Kan

#### **75 DUROC BOARS**

Seventy-five head of large type Duroc boars for sale. Dams are mostly by my 1,000-pound Kansas Wonder, and sired by World's Fair prize hog, "Big Chief Ohio," and Ripley, a son of Grand Champion at St. Louis. Public sale of 60 sows and bears, October 25, 1905—the pick of 250 head.

CHESTER THOMAS, Waterville, Kan.

#### POLAND-CHINAS.

#### MAPLE VALLEY STOCK FARM

Pure-bred Poland-Chinas from leading strains, Visit-ors welcome and correspondence solicited. Satisfac-on guaranteed. C. P. BROWN, R. 2 Whiting, Kas-

FOR SALE Poland-China Hogs, Hol-stein-Friesian Cattle; eith-er sex, Best strains represented H. N. HOLDEMAN, R. R. No. 2, Girard, Kans

Kansas Herd of Poland-Chinas has bred glits and W. R. C. Leghorn chicks. F. P. Maguire, Hutchin son, Kansas.

Elm Grove Stock Farm Poland-Chinas. Bred Sod Sale February 14, 1906. At Osborne, Kans

EF. A. DAWLEY, Waldo, Kans.

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Long Distance Phone at farm, Jackson Co., Mo.

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James Mains, Oskaloosa, Jefferson Co., Kan

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151—STALLIONS—151

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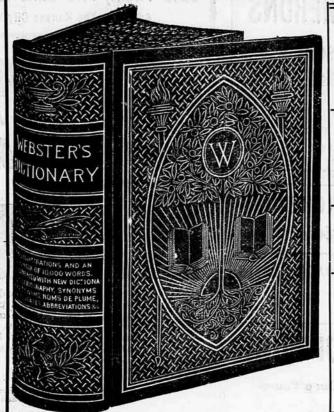


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