

KANSAS FARMER

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TOPEKA, KANSAS, OCTOBER 19, 1905

Established 1863. \$1 a Year

American Royal Stock Show

The American Royal of 1905 has gone into history as the greatest of its kind. Not only is this true, but in many respects it was the greatest exhibit of live stock ever made on the American Continent. Nearly 1,000 head of cattle were on exhibition and this number included prize-winners of National reputation. All of the greatest and best in the beef breeds of cattle were gathered together for a final contest at the American Royal.

The Shorthorns were present in larger numbers and of much better quality than ever seen at this great show before. Some of the rings

**Held at Kansas City, October 9-14, 1905.
Greatest Exhibition of Breeding Stock
Ever Held. A Complete Report.**

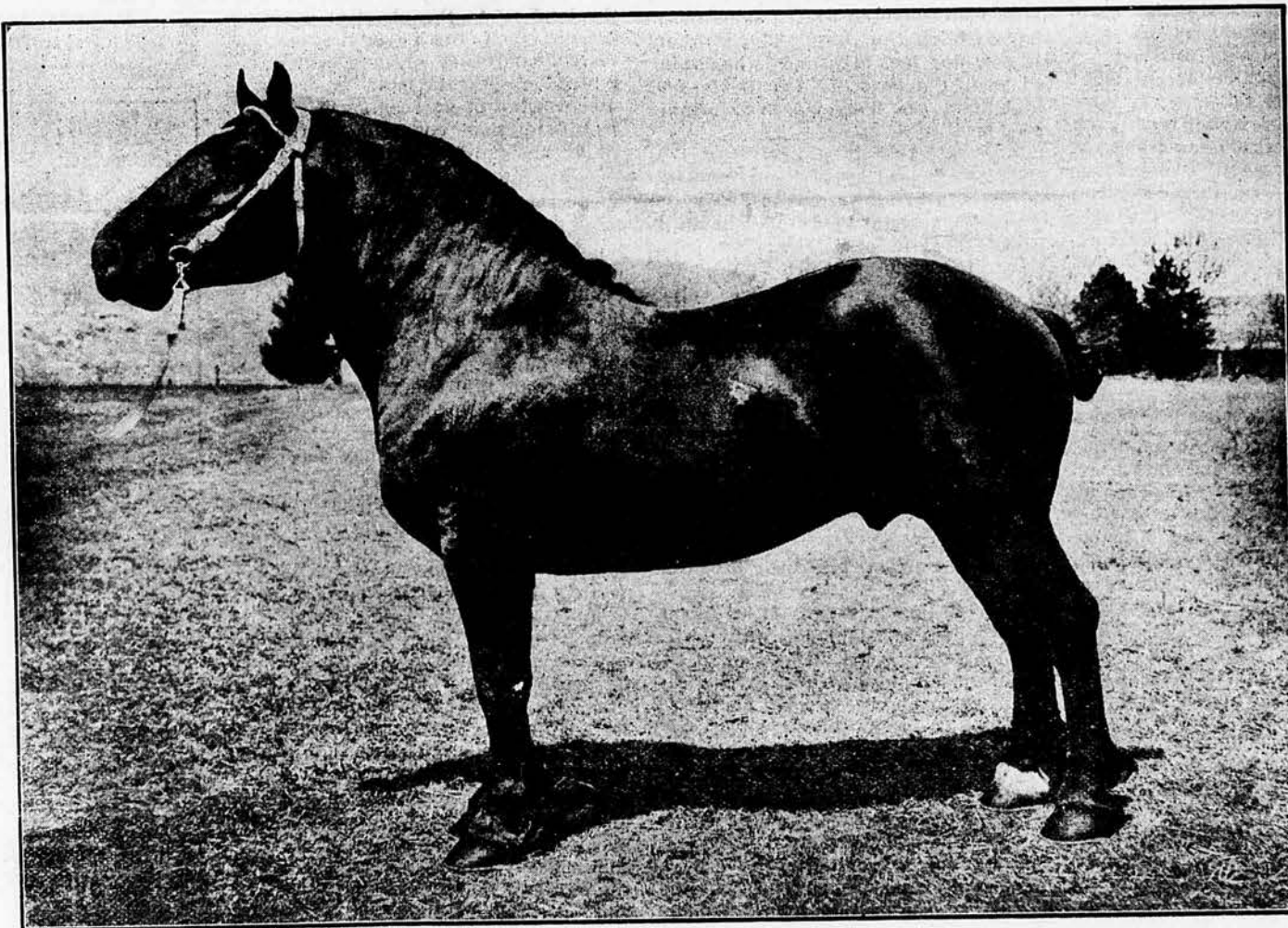
The American Royal has always been a strong Hereford show. In fact, it was organized as a show of this breed of cattle. Kansas City is in the center of the greatest Hereford district in the United States, and it is but natural to expect that the showing of this breed should be a strong one here. The various rings of Herefords this year were stronger than

in the Hereford show, and the owner who wins it on his cattle has something of which to be proud.

The Aberdeen-Angus show was especially strong. Visitors and officials of the Angus Association unite in pronouncing the Royal show of Angus the strongest ever made on this Continent, and what is most pleasing to all is the fact that the younger classes were the

cattle, however, has forged to the front in great shape, and have compelled a recognition, which, while reluctant at first, is none the less hearty now. The grand champion male was conceded by the secretary of the association and by breeders present to be the best bull of his age known to the breed. Like the Angus, the younger classes were very strong in this breed, and it is with satisfaction that we noted that one of the best of these younger bulls will find his future home in Kansas.

The showing of hogs at the American Royal this year was made under



BOSQUET 40105 (46612),

American Royal winner of First Prize in Percheron specials for Best Imported Stallion, owned by Henry Avery & Son, Wakefield, Kans.

were very large and it was a matter of general remark that all of them were wonderfully uniform as to quality. The well-known judges who had to tie the ribbons found more difficult problems here than perhaps they had ever experienced elsewhere. Not only were lovers of the Shorthorn breed delighted with the impressive showing made at the Royal, but they were also pleased with the reports of an increased demand from the range country and the farmers for their favorite cattle. This was emphasized in the sale held on Tuesday afternoon, where the average of 50 head of Shorthorns was near \$230.

ever before. It seemed to the visitor who was familiar with former Royal shows that the exhibit of Herefords showed a marked increase in quality over that of any previous Royal. While many of the prizes went to herds already famous at this show it was noticeable that the Grand Championship for bulls went to the head of a herd that has not been so conspicuous among the prize-winners in past years. The \$300 silver cup offered by Armour & Co., as the Meadow Park special prize for the best herd of Herefords in the show was also carried away this year by a new herd. This is the most hotly contested prize

stronger ones, thus showing great prospects for the future of the breed. Not only did the Angus win strongly in the breeding rings, but they were conspicuous winners in the exhibits of fat cattle shown in the yards. These facts are shown in our report of awards given elsewhere.

It was generally conceded that the Galloway breed showed the greatest improvement. Visitors who have attended all of the American Royals will remember that in the early history of that show the exhibits of Galloways were not especially creditable when compared with the older and better known breeds. This hardy breed of

peculiar circumstances. No premiums were offered by the association for the exhibit of hogs, but a number of well-known breeders of Duroc-Jerseys, O. I. C's., Poland-Chinas, and Berkshires were present with a goodly exhibit of highly-bred and well-finished animals. During the week arrangements were made for the judging of these animals by competent men and the results are shown in our columns. It is understood that another year will see ample provision made for the exhibition of hogs, when a great show may be expected.

To many eyes the crowning feature
(Continued on page 1063.)

Agriculture

Grain Weevil.

The writer has found an unusual quantity of weevil in his corn. The variety is Boone County White. Is there a general excess of corn weevil this season? Is white corn particularly subject to attack? EDWIN TAYLOR.

Wyandotte County.

There is nothing in our correspondence to indicate the unusual abundance of the grain weevil in Kansas this year. Indeed, we have often had relatively more complaints of its presence in the past years, than this year, so far. As the name "grain weevil" is too comprehensively used by others than entomologists, it is not easy to decide upon the kind of weevil mentioned. If you will forward specimens we can determine the form, and one point will thus be made clearer.

Our own experience does not show that the weevil has a preference for white corn, and reference to the available literature on the subject gives us no light on this point. If it is the experience of farmers that white corn is more subject to infestation, it is a fact of importance, and should be made a matter of record. E. A. POPENOE.

Do Missing Hills of Corn Affect the Yield?

Will you please give me your opinion of the value of the missing hill in a corn-field? I am trying to find out whether a missing hill is a total loss or whether the hills next to it partially make up for this loss.

FRANCIS KERR.

Story County, Iowa.

We have made no direct experiments along the line upon which you desire information. Indirectly, some of our work gives some suggestions as to the effect of missing hills on the yield of the crop; for instance in 1904 in our variety trial of corn, the corn made a rather poor stand, largely on account of unfavorable weather at planting time. At the time of harvest the stalks and ears from each row were counted and a record made of the number of missing stalks or hills. We have this record, which I could send you if you thought it would be of any value. However, I have been able to make but little out of it, since every plot of corn was of a different variety, therefore the different plots were not comparable. The yields from the different plots varied much, as did also the stand, but since the plots were not duplicates in variety we are unable to determine whether the difference in yield was due to the variety or to the difference in the stand of corn. I made considerable study of these figures last winter with the purpose of making a report of the crop, but was unable to arrive at any definite plan by which I could make the yields comparable by using the comparative stand in the different varieties as a basis for computation.

From this study I arrived at this conclusion, however, that the yield of corn does not vary directly with the stand of corn; that is, a half stand of corn produced more than a half crop compared with what a full stand produced. I observed that the poorer the stand the greater the yield compared to the number of stalks and ears harvested. It was my judgment at the time that a small percentage of missing stalks had very little effect on the total yield of corn, and I am quite sure that a missing hill does not mean a percentage loss in yield equal to the percentage loss in stand, and it is my judgment that on the average soil, in the average season, as much as 10 per cent of the stalks of corn may be missing without materially lowering the yield from the field. The stalks or hills adjacent to the missing hill do certainly develop better and produce larger ears than they may when no hills or stalks are missing.

I have observed some of the discussion along this line, which would indicate that a missing hill meant that much less corn when the crop was

harvested. I believe, however, that this point has been much overdrawn. It will depend very much upon the soil and the season as to whether a small percentage of missing hills has any effect in lowering the yield of the crop; in fact, I have observed fields of corn this season which would have produced a larger yield of corn per acre if there had not been quite so good a stand of corn. Probably the corn was not too thick for an entirely favorable season, but during the month of August the weather was very dry and hot in sections of this State, with the result that corn was checked in its growth, tending to produce a lower yield than would otherwise have been the case; but with a thinner stand the dry weather had less effect. It is true, also, that soils which are not especially fertile will fail to bring a full stand of corn to proper development and maturity, while with a thinner stand a better yield of larger ears may result.

I believe that every farmer should plant the best seed which it is possible for him to secure and plan for a perfect stand of corn, of such thickness as the land may be adapted for in the average season. However, it is the general rule that farmers plant a little too thick, with the expectation of a favorable season, when if the season proves unfavorable a few missing hills will have no effect in lowering the yield of corn and may actually give an increased yield over a perfect stand.

I am sorry that I can not give you any definite data along this line.

A. M. TENBYCK.

Cow-peas vs. Sorghum as Fertilizers.

August 1st wheat land which had yielded 27½ bushels of wheat per acre was plowed and planted to sorghum and Whippoorwill cow-peas. The sorghum was drilled with the planter, the peas being planted by the same method, doubling the rows. The sorghum is now five feet high and is beginning to head, the peas are 1½ to 2½ feet high, and are blooming and forming seed-pods.

At what stage of growth from this time until killed by frost or thoroughly dried will these plants have the greatest value, plowed under as fertilizers? That is, is a green plant superior to the same plant dried out?

2. Is the green sorghum less valuable pound for pound than the tops of the cow-peas? In other words, have all green plants equal or unequal value as fertilizers when plowed under?

3. How much greater value as a fertilizer has a heavy growth of cow-peas, all plowed under, than would be obtained from the root-system when the tops were removed from the land?

J. F. TRUE.

Jefferson County.

As taken from Professor Roberts' book, "Fertility of the Land," 1,000 pounds of green sorghum in bloom contains 801.5 pounds of water, 13.7 pounds of ash, 3.3 pounds of nitrogen, .7 pounds of phosphoric acid, and 3.4 pounds of potash. We have harvested 12 tons of green sorghum per acre when the seed was sown broadcast; this would mean in plant-food elements, 79 pounds of nitrogen, 17 pounds of phosphoric acid and 82 pounds of potash per acre.

From the same authority I have found that dry cow-pea hay contains in 1,000 pounds of fodder, 109.5 pounds of water, 84 pounds of ash, 19.5 pounds of nitrogen, 5.2 pounds of phosphoric acid, and 14.7 pounds of potash. A good yield of cow-pea hay at this station is 2 tons per acre, which would give 78 pounds of nitrogen, 21 pounds of phosphoric acid, and 59 pounds of potash per acre.

From your description of your sorghum crop, I should judge that it would yield less than the crop given in the above calculation; also, doubtless the cow-peas would not produce as large a yield per acre as named above. We find by comparing the total amount of plant-foot in the green matter produced by each crop, that a good crop of sorghum will probably actually contain as much of the plant-food elements as a good crop of cow-peas. Experiments conducted at the Ala-

bama Experiment Station, as reported in Bulletin 120 of that station, state that for an average of several crops, cow-peas produced 70.2 pounds of nitrogen per acre in the leaves and stems. In the roots, stubble, and fallen leaves it was calculated that there were 19.75 pounds of nitrogen per acre, and an average of three tests showed that 28 per cent of the total nitrogen was contained in the stubble and fallen leaves after the removal of the hay. I am not able to give any figures on the fertilizing value of the roots of sorghum, but doubtless the sorghum-stubble and roots would contain nearly as much of the plant-food elements as would the roots and stubble of the cow-peas.

So far as the composition of the products and the yield of the crops are concerned, it would appear that sorghum might contain even more plant-food when used as green manure than would cow-peas. However, in the above discussion the essential difference between these two crops is not considered. While the sorghum crop takes its nitrogen entirely from the soil, the cow-pea crop secures its nitrogen almost wholly from the air, and thus does not draw upon the nitrogen-supply of the soil and actually increases the nitrogen-supply of the soil by the accumulation in the roots, stubble, and leaves; thus the plowing down of a crop of green cow-peas practically adds to the soil that amount of nitrogen which is represented in the crop, while the sorghum adds only what it had already taken from the soil. So far as the mechanical effect on the soil is concerned, there might not be any great difference between the two crops when used as green manure. It is my judgment, however, that the cow-peas will decay more rapidly than the sorghum when plowed under; also, there seems to be a difference in the effect of the two crops upon the land as to the physical condition in which each crop leaves the soil. The texture and tilth of land which has grown cow-peas is more favorable to the growing of succeeding crops than is the physical condition of the soil which has grown sorghum.

Any crop used as green manure should not be allowed to become too mature before being plowed under, but should be plowed under while in a green, succulent condition, and this point should be especially regarded in the plowing under of sorghum. A heavy growth of dry sorghum, plowed under, is likely to have an injurious effect upon the soil in the growing of succeeding crops. Cow-peas as they mature and dry do not form so much bulk and may be plowed under dry or partially decayed without producing unfavorable soil-conditions; in fact, cow-peas are often left as a cover-crop during the winter and plowed under in the spring. However, if the purpose is to secure the greatest value from the crop as green manure it had best be plowed under green before being killed by frost. The green plant, plowed under, is superior to the dry plant in its fertilizing effect, in that the green plant decays more readily, returning its substance to the soil in the shape of available plant-food sooner than the dry plant; also because of the slow decay of dry organic matter in the soil, a heavy growth plowed under has the effect of making the soil too loose and porous, stopping the upward movement of capillary water and causing the surface to dry out.

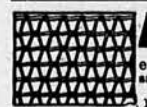
Pound for pound the green sorghum is a little less valuable in the plant-food elements which it contains than green cow-peas; but, as a rule, the larger yield of the sorghum, as shown in the above discussion, will produce about the same amount or even more of the plant-food elements per acre. Legume crops such as cow-peas, soybeans, clover, and alfalfa have a greater value as fertilizers when plowed under than do non-leguminous crops, because, as stated above, the legume crops receive their nitrogen supply largely from the air and actually increase the supply of this plant-food element in the soil, while the non-leguminous plants take their nitrogen from the soil and when plowed



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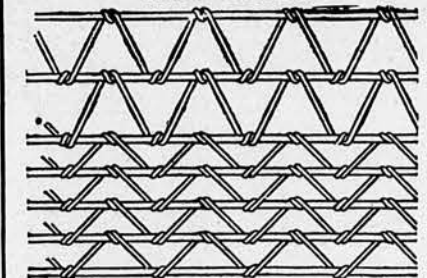
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under only add to the soil the organic matter or humus, giving no increase in the nitrogen supply. The physical effect of either class of crops on the soil when used as green manure may be much the same.

From experiments conducted at the Alabama Station, as reported in the bulletin previously referred to, the yield of crop in favor of plowing the cow-pea vines under rather than taking the crop off for hay was as follows: corn 49 per cent; sorghum 9 per cent; and cotton 40 per cent. In these experiments the soil was rather poor in fertility and of a sandy character. It was observed, also, that the fertilizing effect of the cow-peas plowed under was more lasting than when the crop was taken off for hay. In these experiments there was a large increase in the crop succeeding the cow-peas even when the cow-peas were taken off for hay, and the question as to whether it will be best to plow under the green cow-peas or remove the crop from the land depends largely upon the soil; if the soil has been farmed a long time and needs humus badly, it may pay to plow under the green crop; also light or sandy soils are benefitted by green manuring. Much of the average soil of Kansas, of the loam or clay-loam type, however, would receive much benefit simply by rotation with cow-peas, and it is a question whether plowing the crop under would always give increased beneficial results. As a rule, I should prefer to pasture the crop on the land and plow late in the fall, or leave the peas on the ground through the winter as a cover-crop, plowing early in the spring; or if you can make good use of the fodder, feed it on the farm, and return the manure again to the land.

In an experiment at this station last season in the use of catch-crops after wheat, cow-peas proved superior to and other crop planted, making a better stand and a better growth than sorghum, Kafir-corn, millet, or rape. Our plan was to sow in the stubble immediately after the binder, using the single-disk drill. By this method we did not have to move the bundles and the shocks did not interfere, and when we had finished harvesting the grain the catch crops had been planted. I think there is no question but that cow-peas may be used as a fertilizer in this way with good results. We have also been successful in seeding cow-peas in corn at the last cultivation; peas planted in corn this season made a good stand and growth, and at this date, October 12, are excellent for green manuring or would make good pasture. We shall leave the peas as a cover-crop during the winter and plant the land to corn again next spring by listing.

A. M. TENEYCK.

Cold Storage.

READ BEFORE MEETING OF THE SHAWNEE COUNTY HORTICULTURAL ASSOCIATION, OCTOBER 5, 1905, BY B. F. VAN ORSDAL, SILVER LAKE.

No matter what we have to say about the cold-storage plant, it is here to stay and is doing a good work for the fruitman in prolonging the market life of his fruit and in keeping up the price. In fact, cold storage is a necessary factor to the farmer; it extends his market and evens up prices; by it his hogs, cattle, chickens, and other products can be sent without loss thousands of miles by land and sea to the consumer who otherwise would be compelled to do without these luxuries.

Cold storage is not yet perfected. There is much to learn about the construction and management of the cold-storage plant and I have no doubt there will be great improvement in the next ten years. It is now in its experimental stage, and we want the experience of men who have studied the business and by experiment have learned things worth knowing. Believing this to be the fact, I have consulted men in the business of handling and storing fruit who have handled much more than most orchardists and are therefore the better prepared to answer questions.

The questions asked them were: In what condition must the fruit be when placed in cold storage? How handled after received? At what temperature must it be kept? What varieties keep best? What varieties need a higher temperature? What per cent of loss might be expected? What is the life of apples in cold storage? Does it pay to store apples on the farm? Should the cold-storage plants be required to place self-registering thermometers in their buildings, so that people storing fruit could see at all times what was the temperature and the variations, and thereby be protected? The answers given by different companies vary little in experience. In temperature there is a difference of from three to five degrees, owing to the different varieties placed in storage.

TEMPERATURE.

Cold-storage companies say, do not store apples in old or second-hand barrels, as they will not keep so well, neither do they want to handle such, as apples stored in this way hurt their business record. They place the apples when received in a reasonably cool room, say 45 degrees F., afterwards reducing the temperature one degree a day until 32 degrees F. is reached, keeping it at that. Everything depends on an even temperature. There is no difference in keeping between boxes and barrels. One company promised me that if desired, they would put in a self-registering thermometer so that those storing apples with them could see at any time what the temperature was. They also would furnish rooms of different temperatures for different varieties of fruit, if desired, for tests or experiments.

Armstrong & Andover think it does not pay for any orchard man to store his apples at home; the difference in loss would many times pay the extra expense of good storage. They handled about five thousand barrels last year. There was no loss in No. 1's to speak of. No. 2's lost from 3 to 5 per cent.

S. Lux was kind enough to write out his experience, which is as follows:

"I handled about twenty-one thousand bushels of apples during the year of 1904 and spring of 1905, and in this quantity there were about three thousand bushels of No. 2's. I found that after having No. 2's from thirty to forty-five days an occasional apple that should not have gone into the package had commenced to decay—some varieties more than others—and to ship them to the trade that wanted this class of goods it was necessary to repack each package. The loss was probably one bushel in 25 or one box in 25. Of my No. 1 stock I can truthfully state that I did not lose in that entire quantity 10 bushels; in fact, I do not remember repacking a single box. The quality of the apples was extra good and a little above the average we usually get; my stock especially was the best I ever saw and it may be that this was in favor of their keeping qualities. I have always contended that in order to have apples that would keep in storage without loss, it is necessary that we put only the choicest into either barrels or boxes, whichever way the packer prefers.

"As to the proper time when apples should be packed, my experience is, just as soon as they are ripe; but one probably should start a little sooner, when the first that are packed are a trifle green; otherwise the larger portion of them will become overripe before we are through packing.

STYLE OF PACKING.

"I practically had all my apples put up in bushel boxes. It was my first experience, and if the same could be procured, I would not pack otherwise; but in doing this one needs to be careful and get the right kind of material. Cottonwood boxes are not good. When one is opened we find that there is hardly a nail that will hold the ends down sufficiently, they split so badly. Then, when the wood becomes dry it is too hard, is not pliable enough and bruises the apples too much. There is nothing so good as pine boxes which we buy in Arizona. The lumber is

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odorless, the boxes are light and at the same time stout and tough and answer every requirement. Between boxes and barrels, when we have to handle them in storage, we find the boxes are preferable as they are lighter and can be piled up in tiers with strips under the ends which permits ventilation throughout the entire room that can not be had when barrels are used. Then, again, my experience has been this: if there is a decayed apple in one of the boxes there is less danger of smashing and thus sending the juice and rotten apple over the rest of the package than when in barrels. There is so much weight in the barrels that the fruit near that which is decayed becomes moist and causes decay to spread and also makes them look badly when offered to the trade.

"Another item I find very important when packing apples is to line the boxes with good, light, tough paper; this is one of the essential points both for looks and keeping qualities. I have noticed apples that were packed in unlined boxes, and apples from the same orchard that I packed in lined boxes were worth from 10 cents to 25 cents more per barrel or box than those that were packed without paper. Besides, in making them keep better, it protects them from the different temperatures and drafts when the storage doors are opened, and also keeps them from dust and dirt, which settles on them, injuring the looks—in fact, they keep much better.

TEMPERATURE.

"A year ago I stored Grimes' Golden and York Imperials in a separate room, believing they should not be kept at as low a temperature as the others, and I find that keeping them about six degrees higher than the Winesaps, Missouri Pippins and Ben Davis apples, did not keep them from turning brown or scalding after January 15. It seems that the life of this variety of apples, when put in storage, will not keep perfect after that time of year, and this is especially true of the York Imperials. I took two orchards last year and each of them contained some of this variety. From the first orchard we packed some when rather green and I thought they would keep better in storage, but these were the ones that commenced to discolor badly. The other apples packed last did not discolor at all, even on January 15 and after. On all other varieties I instructed the storage people to keep the temperature at about 35 degrees F. and had no trouble in keeping my apples as stated above, and practically had no loss. Now I believe every one who stores apples should insist that our storage people place in two or three different parts of their rooms, according to size, a thermometer that will register the temperature at all hours, so if any one has apples stored he can see the record of temperature. This is a protection to the party that stores fruit, for we have no way of knowing or proving that the temperature is too hot or too cold, or of substantiating a claim of this kind unless we can prove such through a registered thermometer, which would show the temperature at all hours. This is a rule we all ought to insist upon."

TIME TO PACK.

This is something for the orchardist to know, that cold-storage or commissionmen can not know so well as the man who raises the fruit: he must know just the right time to pick his fruit each year, for every year has its own time or ripening its fruits. No two years are just alike because of different climatic conditions, and the fruit even of the same varieties may have difference enough to change its keeping qualities. An apple raised on a young tree or upon richer soil, although larger and handsomer, will not last so long as a smaller apple. The large apple has a coarser texture and it takes less cold to break down its texture or cells. As a rule, the upland orchard will produce a better keeping apple than the richer bottom land. We must know for ourselves how to pick and pack our fruit. The more we know and practice better methods the better the results will be.

Wellhouse Poison for Rabbits.

I have about 6,000 three-year-old cat-alpas. They are located where the rabbits have always troubled them. I found it necessary to fence, using two-foot poultry netting. This did very well until last winter, when the snow drifted over the fence and let the rabbits in. I would like to paint as well as fence, and write to know if you could recommend a cheap paint or whitewash that would answer the purpose.

J. E. RAYMOND.

Crawford County.

We have found it difficult to prepare a wash that will repel rabbits for any considerable length of time. White-wash and paint, pure lead and oil to which sufficient crude carbolic acid has been added to give strong odor has been about the most durable. Would it not be cheaper for you to use a snow plow and clear a space next to your fence rather than attempt to paint all the trees? A heavy snow or rain usually deteriorates the wash to such an extent that the rabbits eat the bark. I would suggest that you treat the twigs of catalpa, or preferably, apple-trees with what is known as the Wellhouse poison which consists of one part of strychnine, one-third part borax, one part white syrup and ten parts water. Put into a large bottle and shake well. Brush this liquid over freshly cut twigs and scatter about the runways of the rabbits. It is more effective than poisoned grain and is not likely to kill birds or harm anything except the rabbits.

ALBERT DICKENS.

Largest Ear of Corn.

Can you give me the dimensions of the largest ear of corn on record? also the number of grains it contained and the variety? My object is to see if Jewell County can equal it.

R. M. CAUTHORN.

Jewell County.

I am unable to give the dimensions of the largest ear of corn on record. I have seen ears 15 or 16 inches long, and have also seen ears about 10 inches in circumference, but I have never seen such length of ear and such circumference combined in the same ear. I fail to see any particular value in extremely large ears of corn, unless possibly it may be of some value for advertising purposes. The quality of the corn as regards yield per acre and feeding-value is by far more important than the size of the ear, and Jewell County might be prouder by far to say she has the best ear of corn on record rather than the largest.

V. M. SHOESMITH.

Beans in Kansas.

Can you give me any information regarding the growing of beans for market in Kansas? The most profitable kind to grow, the best variety, the best yield, etc. Any information on the above would be greatly appreciated.

FRANK LEE.

Chase County.

In 1904 we secured the following yields from our varieties of table beans: Navy 8.1 bushels per acre; California Wonder, 5.3 bushels; Boston Pea, 8.9 bushels; Prolific Tree, 9.9 bushels; Burlingame Medium, 6.1 bushels;

Choice.	Culls.	Yield.	Yield.
Yield per	Yield per	Total	Total
Lbs.	Lbs.	Lbs.	Lbs.
Treated seed. 4103	1660	5753	95.9
Not-treated seed. 2498	1990	4488	74.8
Difference in favor of treatment. 1605	340	1265	21.1

Improved Navy, 6.9 bushels. These yields are not high, but I believe are as good as could be expected on the average in this locality. We have a clay loam soil which I believe packs too hard to be the best soil for beans. The beans grow well early in the season but later do not grow as vigorously and do not pod well. I doubt if the table bean is a profitable crop upon the clay soils of Kansas; I see no reason, however, why beans should not do well upon soil which is more sandy. I am familiar with bean-production as it is carried on in Michigan, which I believe is one of the first States in the production of this crop; and judging from my experience there and at this station that the trouble is with our clay soils, as stated above.

V. M. SHOESMITH.

Horticulture

Treating Seed Potatoes for Scab.

O. H. ELLING, SUPERINTENDENT FORT HAYS EXPERIMENT STATION.

The Fort Hays Experiment Station has just finished digging a two-acre plat of potatoes which show good results for the formaline treatment for scab, which is one of the most widespread diseases affecting the potato. It is a minute, parasitic fungus, the effects of which on the tuber are so characteristic that it is very easily detected. This scab fungus not only gives the potato a lower market value, but also impairs its keeping qualities to a great extent. The scab ruptures the epidermis of the potato, thus making an entrance for the rot fungus.

The treatment of this disease is of considerable economic importance on account of the potato being perhaps the most universal vegetable grown for human food. The process is very simple, not at all expensive, and any one can apply the treatment readily.

To prepare the formaline solution, mix 8 fluid ounces of commercial formaline (otherwise known as 40 per cent formaldehyde) with 15 gallons of water. In treating the potato-seed with this solution, the whole tuber should be soaked in it from two to three hours. To do this, have the seed in a large, coarse sack and the solution in a small barrel, putting just enough potatoes in the sack so that all will be submerged in the liquid when the sack is put inside the barrel. After soaking for the period of two or three hours, the potatoes may be cut and planted in the customary way, care being taken not to allow them to come in contact with bags, boxes, or bins where scabby potatoes have been kept, otherwise they may again become infected.

In practice it is found that fifteen gallons of the solution will treat about twenty bushels of potatoes, taking ordinary precautions not to waste too much of the fluid as the potatoes are dipped, which may be avoided by leaving the sack suspended above the barrel a few moments to drip.

The Early Ohio potato was used in this experiment. It had been grown at the station the two previous years, and had become badly affected with scab. The seed used for planting the two-acre plat was precisely the same in every respect, except that one acre was planted to seed treated with the above solution, and the other acre planted to seed that received no such treatment. Tubers weighing from 3 to 4 ounces (to be planted whole), were selected, the most scabby ones being thrown out. The plats were side by side on similar soil, and were cultivated and treated alike in every particular.

After digging, the potatoes were sorted into two grades, designated as "choice" and "culls." "Choice" consisted of those potatoes weighing from four ounces up, smooth skinned, and free from rot. All others were classed as "culls." The following table gives yields per acre:

Choice.	Culls.	Yield.	Yield.
Yield per	Yield per	Total	Total
Lbs.	Lbs.	Lbs.	Lbs.
Treated seed. 4103	1660	5753	95.9
Not-treated seed. 2498	1990	4488	74.8
Difference in favor of treatment. 1605	340	1265	21.1

It will be observed from the above table that, while the treated plat yielded 1,605 pounds more of choice potatoes, it yielded 340 pounds less of the "culls." In other words, the one acre planted with treated seed produced 68.2 per cent more of "choice" potatoes and 17 per cent less of "culls" than the untreated plat. The total yield was increased 28.1 per cent by the treatment. Not considering the su-

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perior quality of the potatoes, the increased yield along shows up well.

The treated seed produced a much cleaner and whiter potato than the not-treated, and but one per cent of the former was not marketable on account of scab; while with the latter, the per cent not marketable was increased to nine.

Potatoes have been profitably grown at the Fort Hays Station every year since it was instituted, and one plat of early planting this year yielded over 126 bushels per acre. It is a crop that always demands a fair price in this Western section and every farmer should have his own potato-patch and produce at least sufficient for home use; it will pay well for the trouble.

The potato being a deep feeder, a seed-bed of good depth—prepared to conserve all the moisture possible—is necessary. Plant early to avoid hot weather with its drying winds. Plant an early-maturing variety for the same reason. Because the vitality of the tuber is lowered by growing under unfavorable conditions, as dry weather, excessive heat, disease, insects, etc., which tend to lessen its vigor, it is well to get seed every second or third year from the North where conditions are ideal.

"Like produces like," is especially true with the potato; the tuber partakes of the nature of the vine that produces it. For this reason, it is advisable to plant medium-sized potatoes, as a great percentage of the "culls" or "seconds" are produced by unthrifty vines. By planting seed of good size, we may expect their production to be the same. This Western soil can easily be made to produce more potatoes than is required for home use, and, with irrigation quality similar to the famous Greely product is possible.

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The Stock Interest

THOROUGH-BRED STOCK SALES

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

Oct. 20, 1905—Shorthorn cattle at Fredonia, Kans., H. E. Bachelder, manager, Fredonia, Kans.
Oct. 23, 1905—Shorthorns and Poland-Chinas. M. E. Vansell, Muscotah, Kans.
October 24, 1905—J. Ward & Son, Managers, Belleville, Poland-China hogs.
Oct. 24, 1905—Jno. W. Jones & Son, Delphos, Duroc-Jerseys.
Oct. 25, 1905—James Mains, Oskaloosa, Kans., Poland-Chinas.
Oct. 25, 1905—Chester Thomas, Waterville, Kans. Duroc-Jerseys.
October 26, 1905—Herman Arndt, Alta Vista, Kans.
Oct. 26, 1905—Duroc-Jerseys. Newton Bros., Whitling, Kansas.
Oct. 30, 1905—Herfords and Poland-Chinas. Klaur Bros., Bendena, Kansas.
Oct. 31, 1905—Joseph Condell, El Dorado, Kans. Hereford dispersion.
October 31, 1905—Polled Durhams and Red Polls for W. H. Lawless and N. N. Ruff, Marshall, Mo.
Nov. 1, 1905—Fancy Poland-Chinas. W. J. Hon-eyman, Madison, Kans.
November 6, 1905—J. F. Laing, McLouth, Kans., Poland-Chinas.
Nov. 8, 1905—John Bollin and Gus Aaron, Leavenworth, Kans., Poland-Chinas.
November 9, 1905—Will H. Rhodes, Phillipsburg, Kans., Hereford cattle.
Nov. 9 and 10, 1905—Poland-Chinas, Duroc-Jerseys, Shorthorns and Herfords at Wichita, Kans. H. E. Bachelder, manager, Fredonia, Kans.
November 11, 1905—Shorthorns and Herfords at Blackwell, Okla. J. P. Cornelius, manager, Braman, Okla.
Nov. 13, 1905—J. H. Cooper & Son, Winfield, Kans., Poland-Chinas.
Nov. 14, 1905—S. H. Lenhart, Hope, Kansas Poland-Chinas.
November 14, 1905—S. H. Lenhart, Hope, Kans., Poland-China hogs.
Nov. 15, 1905—S. H. Lenhart, Dispersion Sale of Shorthorns.
November 16, 1905—E. A. Smith, Lawrence, Kans., dispersion Standard-bred trotting stock.
Nov. 16-18, 1905—Registered stock at Arkansas City, Kansas, by the Improved Stock Breeders' Association of the Wheat Belt. Chas. M. Johnston, Sec'y, Caldwell, Kans.
Nov. 17, 1905—Four hundred bred Shropshire ewes Geo. Allen, Manager, Lexington, Neb.
Nov. 17, 1905—350 bred Shropshire ewes. Geo. Allen, Lexington, Nebraska.
Nov. 22, 1905—Poland-Chinas at Anthony, Kans. C. O. Parsons, Mgr., Clearwater, Kans.
Nov. 22, 1905—Aberdeen-Angus combination sale at Kansas City, Mo. Berry Lucas, Hamilton, Mo., manager.
Nov. 23, 1905—Shorthorns at Anthony, Kans. H. M. Harrington, Mgr., Clearwater, Kans.
Nov. 23, 1905—Poland-Chinas and Shorthorns. J. R. Cooper & Son, Winfield, Kans.
December 5, 1905—Nathan Brooks and others, Burden, Kans., Shorthorn cattle.
December 6, 1905—Marshall Bros. and J. F. Stodder, Burden, Kans., Duroc-Jerseys.
December 7, 1905—Marshall Bros. and Harry E. Lunt, Burden, Kans., Poland-Chinas.
December 7, 1905—American Aberdeen-Angus Breeders' Association, Aberdeen-Angus, Chicago, Ill., W. C. McGavock, Manager.
Dec. 8, 1905—American Galloway Breeders' Association sale, Chicago, Ill.
Dec. 8 and 9, 1905—Poland-Chinas, Duroc-Jerseys, Shorthorns and Herfords at Coffeyville, Kans. H. E. Bachelder, manager, Fredonia, Kans.
Dec. 12 and 13, 1905—Imported and American Herfords. Armour-Funkhouser sale at Kansas City, Mo. J. H. Goodwin, Manager.
December 15, 1905—S. H. Lenhart, Hope, Kans., dispersion sale of Shorthorn cattle.
December 21, 1905—Poland-Chinas. A. P. Wright, Valley Center, Kans.
Jan. 17, 1906—Poland-China bred sows, H. E. Lunt Burden, Kans.
Jan. 18, 1906—Poland-China bred sows, Marshall Bros., Burden, Kans.
Jan. 18, 1906—Duroc-Jersey bred sows, Marshall Bros., Burden, Kans.
February 15-17, 1906—Third Annual Sale of the Improved Stock Breeders' Association of the Wheat Belt at Caldwell, Kans., Chas. M. Johnston, Sec'y.
February 21-23, 1906—Percherons, Shorthorns, Herfords at Wichita, Kans. J. C. Robison, Manager, Towanda, Kans.
Feb. 24, 1906—Poland-Chinas, at Wichita, Kans., by H. E. Lunt, Burden, Kans.

AMERICAN ROYAL SHOW AWARDS. Kansas City, October 9-14, 1905.

CATTLE AWARDS.

Shorthorns.

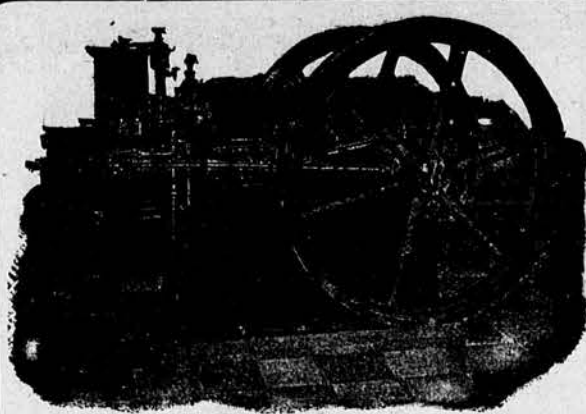
Judges—J. H. Miller, Peru, Ind.; N. H. Gentry, Sedalia, Mo.; and O. Harris, Harris, Mo.

Aged bulls—First to F. W. Harding, Waukesha, Wis.; on Imported White Hall Sultan; second to Charles E. Leonard & Son, Bellair, Mo., on Lavender Viscount; third to Tebo Land and Cattle company, Clinton, Mo., on Prince of Tebo Lawn; fourth to R. A. & J. A. Watt, Salem, Ont., on Valasco Fortieth; fifth to Ardmore Stock Company, Holstein, Ia., on Lord Mount Stephen; sixth to Abram Renick, Winchester, Ky., on The Professor; seventh to Kansas Agricultural College, Manhattan, Kans., on Ravenswood Admiration; eighth to Thomas Jameson & Mitchell, Allen, Kans., on Orange Viscount.

Bull, 2 years old and under 3—First to F. W. Harding, Waukesha, Wis., on White Hall Marshall; second to F. W. Marshall, Blackwater, Mo., on Grand Duke; third to C. S. Nevius, Chiles, Kans., on Prince Favonia; fourth to T. K. Tomson & Sons, Dover, Kans., on Silvery Knight; fifth to Creswell & Carpenter, Braymer, Mo., on Victor S.; sixth to G. A. Betteridge, Bunceton, Mo., on Orange Commander; seventh to B. T. Gordon, Jr., Liberty, Mo., on Victor Liverpool.

Senior yearling bull—First to Tebo Land and Cattle Company, Clinton, Mo., on The Conqueror; second to N. H. Gentry, Sedalia, Mo., on The Choice of All; third to F. W. Harding, Waukesha, Wis., on Sightseer; fourth to W. A. Betteridge, Bunceton, Mo., on Orange Viscount; fifth to Thomas Jameson & Mitchell, Allen, Kans., on White Goods; sixth to J. F. Stodder, Burden, Kans., on Lord Filbert; seventh to C. S. Nevius, Chiles, Kans., on Happy Knight.

Junior yearling bulls—First to Harri-man Bros., Pilot Grove, Mo., on Baron Viscount; second to Ardmore Stock Company, on Superbus; third to H. R. Clay, Plattsburg, Mo., on Messala; fourth to H. C. Duncan, Osborn, Mo., on Golden Magnet; fifth to O. E. Morse & Sons, Mound City, Kans., on Celebrate; sixth to same, on Duke of Orange; seventh to H. C. Duncan, on Violet Chunk;



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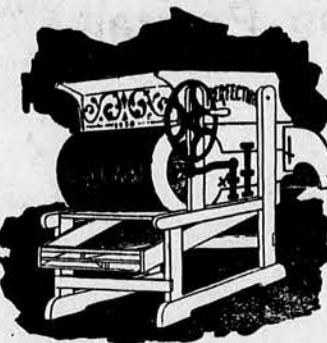
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And Can Reap

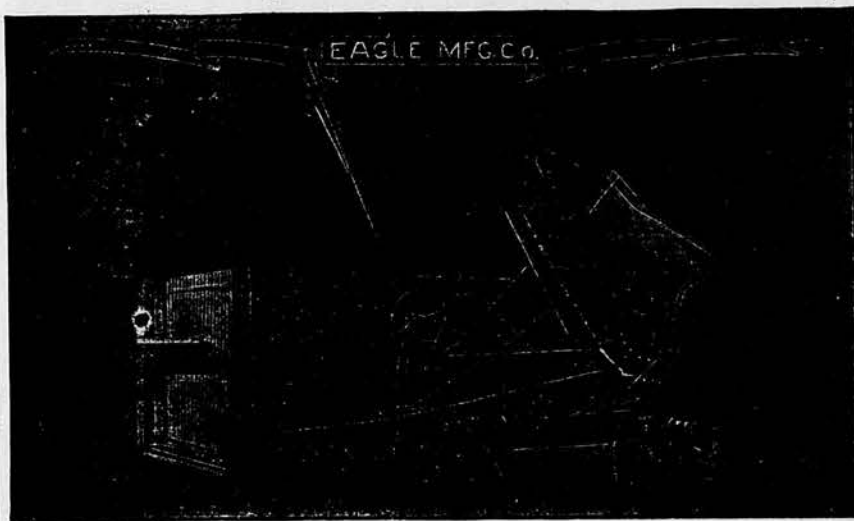
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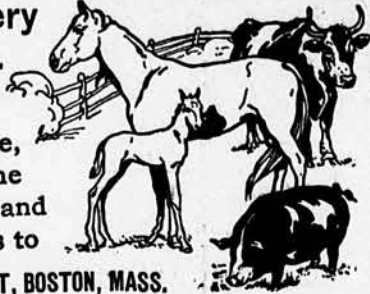
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St. Joseph, Missouri.

Combination Sale of Fancy Poland-Chinas

At Farm, 5 Miles Southeast of Madison, Kans., Nov 1, 1905.

58---HEAD HIGH-CLASS POLAND-CHINAS---58

24 FALL AND SPRING BOARS—9 sired by ON AND ON (J. R. Young's \$2,500 Illinois State Fair Sweepstakes Boar); 2 by PREDOMINATOR (Missouri Sweepstakes Boar and sire of Nonpareil); 6 by MR. KEEP ON (son of the great Keep On 61015); 7 by Truant Boy, Corrector, Diamond Dust, and Corrected.

SPECIAL ATTRACTIONS—2 extra daughters of ON AND ON out of Goldie Perfection (\$200 daughter of Chief Perfection 2d); 2 sows by C. P. 2d with litters at foot by ON AND ON; 1 P. I. K. sow (half-sister to Lady Louise), bred to Grand Perfection.

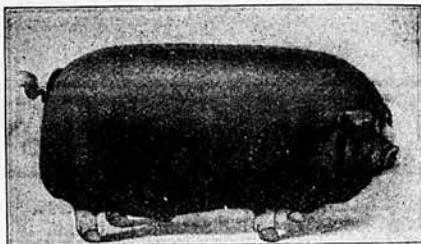
29 SOWS AND SPRING GILTS—10 bred to U. C. Perfection (first in class at Ottawa and Topeka, 1903, and sire of leading prize-winners at same fairs in 1904 and 1905); 3 sows with litters by U. C. Perfection; 16 (including 2 first and 2 second prize winners), sired by above-mentioned boars. Sale under cover. Write for catalogue mentioning Farmer.

Auctioneers: Cols. Burger, Fisher, Freeman, Wood. Ed. Michlin, Clerk.
Consignors: W. J. Honeyman, Ed. Melburn, A. J. Reed, F. Pees.

W. J. Honeyman, Manager, Madison, Kans.

Poland-China Dispersion Sale

Of the Model Farm Herd of Poland-China Hogs
Owned by J. F. Laing, McLouth, Jefferson
County, Kans., at McLouth,
November 6, 1905.



This offering will include as good breeding as will be found in any herd of Poland-Chinas, and will include the grand herd boar, Black Perfection's Son 93491. He is a great show animal and a great breeder. He was sired by the \$2,500 Missouri Black Perfection and out of a Chief Perfection dam.

The offering also includes a number of fine sows with litters at side and a lot of fall boars that are extra good individuals. The spring pigs are extra good ones and are nicely coated, have good bone and are smooth and growthy. The sale will be held at livery barn in McLouth. Parties from a distance will be entertained at either hotel at my expense. For further particulars, list of auctioneers, etc., write to

J. F. LAING, Route 2, McLouth, Kansas.

eight to T. K. Tomson & Sons, on Graceful Knight.
Senior bull calf—First to Tebo Land & Cattle Company, on Choice Goods Model; second to J. G. Robbins & Sons, on Pearl's Lad; third to T. J. Wornall & Son, on Glassful; fourth to T. K. Tomson & Sons, on Hopeful Knight; fifth to Purdy Bros., on Scottish Lord 2d; sixth to Purdy Bros., on Monarch's Model; seventh to F. W. Harding, on Ceremonious Count; eighth to D. T. Bronaugh & Sons, on Violet Boy.
Junior bull calf—First to Purdy Bros., on Golden Monarch; second to Fred Case, on Scotch President; third to T. J. Wornall & Son, on Careless Conqueror; fourth to H. C. Duncan, on Scottish Victor; fifth to T. K. Tomson & Sons, on Gallant Lavender; sixth to O. E. Morse & Sons, on Inaugurate; seventh to Creswell & Carpenter, on Nonpareil L.

Aged cows—First to Tebo Land & Cattle Company, on Golden Abbottsburn; second to C. E. Leonard & Son, on 7th Ravenswood Countess; third to F. W. Harding, on Moneyfuffell Maid; fourth to R. A. & J. A. Watt, on Mayflower 3d; fifth to Geo. Manville, on Pamelope.

Heifer 2 years old and under 3—First to Tebo Land & Cattle Company, on Princess Flora 2d; second to Chas. E. Leonard, on Gloster's Rose; third to R. A. & J. A. Watt, on Tiny Maude; fourth to F. W. Harding, on Anoka Missle; fifth to J. F. Stodder, Burden, Kans.; sixth to same on Innocence; seventh to C. S. Nevius, on 2d Lady of Phyllis.

Senior yearling heifer—First to Tebo Land & Cattle Company, on Sweet Briar Rose; second to R. A. & J. A. Watt, on Queen Ideal; third to same on Spice's Duchess; fourth to T. K. Tomson & Sons, on Cherry Lass; fifth to Tebo Land & Cattle Company, on Victoria's Choice; sixth to F. W. Harding, on Princess Maud 6th; seventh to Chas. E. Leonard & Son, on Gloster's Clara; eighth to T. J. Wornall & Son, on Moonbeam.

Junior yearling heifer—First to F. W. Harding, on Anoka Broadhooks; second to Tebo Land & Cattle Company, on Choice Violet 2d; third to T. K. Tomson & Sons, on Thorny Bud; fourth to Joseph Duncan, on Thessaly; fifth to Purdy Bros., on Mary Lavender; sixth to same on Vis-Countess of Fairview 5th; seventh to T. J. Wornall & Son, on Florodora; eighth to Creswell & Carpenter, on Mary Ramsden.

Senior heifer calf—First to Purdy Bros., on Viscountess of Fairview 6th; second to Tebo Land & Cattle Co., on Fair Louisiana; third to same, on Clara Belle; fourth to J. G. Robbins & Sons, on Slippers; fifth to Purdy Bros., on Pauline of Fairview 2d; sixth to Kansas Agricultural College, on College Mary; seventh to R. A. & J. A. Watt, on Florence; eighth to Purdy Bros., on Fairview Orange Blossom 12th.

Junior heifer calf—First to F. W. Harding, on Missle of Browndale; second to Chas. E. Leonard & Son, on Ravenswood Rubescent Countess 3d; third to F. W. Harding, on Fancy Lovell; fourth to J. G. Robbins & Sons, on Lad's Emma 3d; fifth to Geo. Rothwell, on Little Gem; sixth to J. G. Robbins & Son, on Lady Arabella; seventh to T. K. Tomson & Sons, on Elder Lawn Victoria; eighth to Thomas, Jameson & Mitchell, on Lavender Bud 2d.

Senior sweepstakes bull, 2 years old and over, to F. W. Harding, Waukesha, Wis., on White Hall Marshall.
Junior sweepstakes bull, under 2 years old—To Tebo Land & Cattle Company, on Choice Goods Model.

Grand sweepstakes bull, any age—To F. W. Harding, Waukesha, Wis., on White Hall Marshall.

Senior sweepstakes cow, 2 years old and over—To Tebo Land & Cattle Company, on Golden Abbottsburn.

Junior sweepstakes heifer, under 2 years old—To Tebo Land & Cattle Company, on Sweet Briar Rose.

Grand sweepstakes cow or heifer, any age—To Tebo Land & Cattle Company, on Sweet Briar Rose.

Aged herd—First to Tebo Land & Cattle Company; second to F. W. Harding; third to C. E. Leonard & Son; fourth to R. A. & J. A. Watt. Five prizes, only four entries.

Young herd—First to Tebo Land & Cattle Company; second to Purdy Bros.; third to F. W. Harding; fourth to T. K. Tomson & Sons; fifth to T. J. Wornall & Son.

Calf herd—First to Tebo Land & Cattle Company; second to Purdy Bros.; third to J. G. Robbins & Son; fourth to T. K. Tomson & Sons.

Two animals, produce of one cow—First to Tebo Land & Cattle Company, on produce of Imp. Clara 58th; second to R. A. & J. A. Watt, on produce of Frances Polston 3d; third to J. F. Stodder, on produce of Coraline; fourth to Joseph Duncan, on produce of Gwendoline of Meadow Lawn; fifth to Ardmore Stock Co., on produce of Duchess of Lancaster.

Four animals of either sex, the get of one sire—First and second to Tebo Land and Cattle Company, on get of Choice Goods; third to Purdy Bros., on get of Lord Lovel; fourth to T. K. Tomson & Sons, on get of Gallant Knight; fifth to T. J. Wornall & Son, on get of Imp. Conqueror.

Jaccard Jewelry Co., special for best 10 head bred by exhibitor—To Tebo Land & Cattle Company.

Herefords.

Judges—Thomas Clark, Beecher, Ill.; James A. Larson, Everest, Kans.; and Daniel Black, Lyndon, O.

Aged bulls—First to C. J. Comstock, Albany, Mo., on Defender; second to W. H. Curtice, Emmence, Ky., on Prince Rupert 8th; third to W. S. Van Natta & Son, Fowler, Ind., on Donald March On; fourth to Cargill & MacMillan, La Crosse, Wis., on Fulfiller; fifth to Cargill & MacMillan, on Fair Lad E.; sixth to Steele Bros., Richland, Kans., on Principate; seventh to S. J. Gabbert, Dearborn, Mo., on Columbus 53d; eighth to C. N. Moore, Lee's Summit, Mo., on Beau March On; ninth to T. W. Carmichael, Odessa, Mo., on Erling's Lad; tenth to John Hutson, Canyon City, Tex., on Strike Four.

Bulls, 2 years old and under 3—First to James A. Funkhouser, Plattsburg, Mo., on Onward 18th; second to W. H. Curtice, Eminence, Ky., on Beau Donald; third to Steele Bros., Richland, Kans., on Princess 8th; fourth to S. I.

Horse Owners! Use GOMBALD'S Caustic Balsam

A Safe, Speedy, and Positive Cure
The safest, Best BLISTER ever used. Takes the place of all liniments for mild or severe action. Removes all Bunches or Blemishes from Horses and Cattle. SUPERSEDES ALL CAUSTIC OR FILLING, impossible to produce scur or blemish. Every bottle sold is warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use. Send for descriptive circulars.
THE LAWRENCE-WILLIAMS CO., Cleveland, O.

Lump Jaw

Save the animal—save your
hard-earned money. The
disease is fatal in time, and it spreads.
Only one way to cure it—use
Fleming's Lump Jaw Cure
Not trouble—rub it on. No risk—your money
back if it ever fails. Used for seven years
by nearly all the big stockmen. Free
illustrated book on Lump Jaw and other
diseases and blemishes of cattle and horses.
Write for it today.
FLEMING BROS., Chemists,
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also best dip in the world for hog lice.
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A DIP FOR HEALTH. A DIP FOR WEALTH
It is Unprofitable to
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ticks, mite and small vermin of every
kind. Will not irritate or burn the
most tender skin. Leaves the hair in
glossy, silky condition. Invaluable
as disinfectant for stables, hog and
hen houses. Sold under positive
guarantee. Money back if not as
represented. Write us for booklet.
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will elevate both small grain and ear corn.
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MACHINE OIL \$3.50 A BARREL

You will find it a better machine oil
than anything you have been buying for
35 cents to 45 cents per gallon. Premium
Oil is a natural oil, greenish black in color.
There is no made oil that is superior
to Premium Oil for engines, shafting,
shops, elevators, thrashing machines and
farm machinery. It will not GUM, has
good body, is not affected by hot and cold
weather as most oils are. If a farmer,
you say you won't need as much as a
barrel. Get your neighbor to take half
of it. But remember \$3.50 for a 50-gallon
barrel, and the empty barrel is worth at
least one dollar; gives you oil at less than
6 cents per gallon at your railroad station.
If within 300 miles in Kansas
freight will not be over 75 cents per barrel.
Sample sent on request.

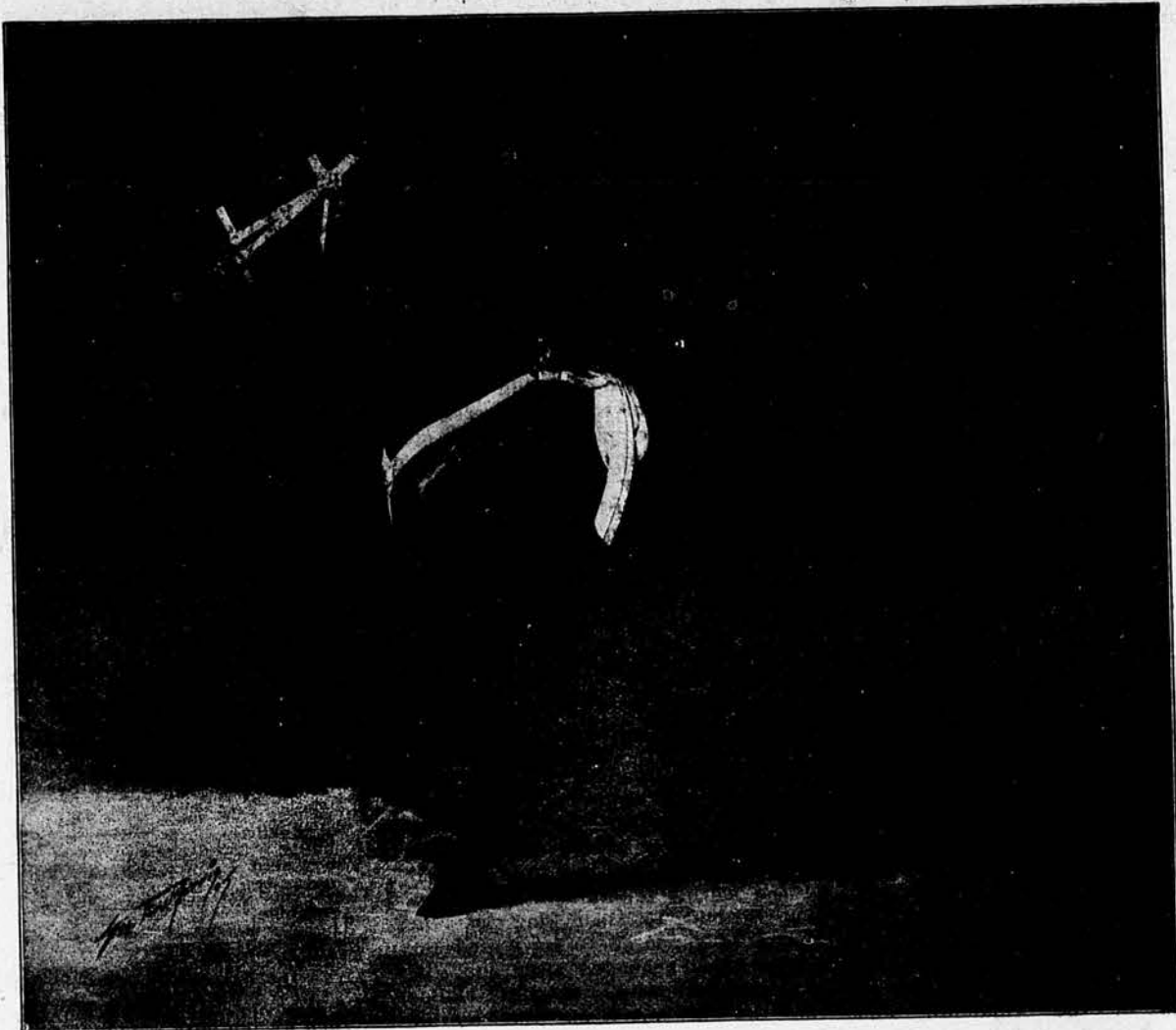
T. C. DAVIS, Benedict, Kans.
Benedict, Kans., August 28, 1905.
I have this day sold my interest in K.
C. Dailey & Co. to T. C. Davis, who will
hereafter conduct the business in his
name. Signed, **K. C. DAILEY.**

Why Should People Use MEXICAN TALCUM POWDER?
Because it is antiseptic.
Because it is absolutely pure.
Because it gives better results.
Try it on your baby.
Put it in your stocking if you have tender feet.
Try it after shaving.
Try it after bathing.
Try it and compare it with any Talcum on the market.
If you are from Missouri we will show you. [ket.
Write for a sample.

THE MEXICAN MFG. CO., Wichita, Kans.

Allen's Lung Balsam

Cures
COUGHS
COLD
CROUP



HANNIBAL (2127).

German Coach Champion Stallion at the American Royal in 1905. Owned by J. Crouch & Son, Lafayette, Ind., and Sedalia, Mo.

Standish, Hume, Mo., on Beau Ideal; fifth to Benton Gabbert & Son, Dearborn, Mo., on Onward 19th; sixth to Clarence Dean, Newmarket, Mo., on Shadland Diplomat; seventh to C. L. Browning, Laredo, Mo., on Ben Donald; eighth to C. A. Stannard, Emporia, Kans., on Emporer; ninth to R. L. Lane, Humphreys, Mo., on Benjamin Wilton; tenth to R. T. Thornton, Kansas City, Mo., on Talcum.

Senior yearling bulls—First to A. C. Huxley, Bunker Hill, Ind., on Perfection Fairfax; second to Cargill & McMillan, LaCrosse, Wis., on Privateer 2d; third to Benton Gabbert & Son, Dearborn, Mo., on Columbus F.; fourth to W. H. Curtice, Eminence, Ky., on Beau Donald; fifth to Steele Bros., Richland, Kans., on Lambert; sixth to R. C. Wilson, Benton, Mo., on Beau Goldfinch.

Junior yearling bulls—First to W. S. Van Natta & Son, Fowler, Ind., on Prime Lad 3d; second to Miss Lou Goodwin, on Modest Keep On; third to Gudgell & Simpson, on Publican; fourth to J. S. Lancaster & Sons, on Adolph; fifth to Jas. A. Funkhouser, on Onward; sixth to S. J. Gabbert, on He's A Columbus; seventh to W. H. Curtice, on Beau Donald; eighth to J. F. Lennox, on Shadland Anxiety.

Senior bull calves—First to W. S. Van Natta & Son, on Prime Lad 9th; second to J. A. Funkhouser, on Onward 42d; third to Cargill & McMillan, on Bon-

nie Brae 3d; fourth to Gudgell & Simpson, on Saladin; fifth to Dr. J. E. Logan, on Young Beau Brummel; sixth to C. L. Browning, on Curly Boy; seventh to J. A. Funkhouser, on Onward 41st; eighth to Cargill & McMillan, on Bonnie Brae 2d.

Junior bull calf—First to W. S. Van Natta & Son, Fowler, Ind., on Prime Lad 16th; second to Gudgell & Simpson, on Beau Roseland; third to Jas. A. Funkhouser, on Onward 44th; fourth to Gudgell & Simpson, on Donald Bain; fifth to Jas. A. Funkhouser, on Onward 43d; sixth to Cargill & McMillan, on Bonnie Brae 4th; seventh to W. H. Curtice, on Beau Donald 86th; eighth to S. J. Gabbert, on Rex Columbus 2d.

Cows, 3 years old or over—First to Cargill & McMillan, on Heliotrope; second to W. S. Van Natta & Son, on Lorna Doone; third to W. H. Curtice, on Belle Donald 44th; fourth to same, on Belle Donald 60th; fifth to Steele Bros., on Domestic; sixth to Jas. A. Funkhouser, on Twila; seventh to Steele Bros., on Princess May 2d; eighth to S. J. Gabbert, on Lily.

Heifer, 2 years old and under 3—First to Jas. A. Funkhouser, on Kathleen; second to Cargill & McMillan, on Arminta 4th; third to same on Miss Donald 3d; fourth to W. S. Van Natta & Son, on Lady March On; fifth to Steele Bros., on Nutbrown 9th; sixth to same, on Princess May 3d; seventh to W. H.

Curtice, on Belle Donald 76th; eighth to R. L. Lane, on Miss Lou 2d.

Senior yearling heifer—First to Cargill & McMillan, on Purple Leaf 2d; second to Gudgell & Simpson, on Dulcinea; third to Cargill & McMillan, on Golden Lassie; fourth to W. H. Curtice, on Bianca 23th; fifth to Jas. A. Funkhouser, on Dawn; sixth to C. A. Stannard, on Duchess Real.

Junior yearling heifer—First to Cargill & McMillan, on Miss Donald 17th; second to W. H. Curtice, on Belle Donald 90th; third to Gudgell & Simpson, on Belle 17th; fourth to Jas. A. Funkhouser, on Bendena; fifth to same, on Inez; sixth to Steele Bros., on Estelle; seventh to A. C. Huxley, on Lady Beau Corrector; eighth to C. A. Stannard, on Lilac.

Senior heifer calf—First to Cargill & McMillan, on Ethel 2d; second to Jas. A. Funkhouser, on Geneva; third to Steele Bros., on Mignonette; fourth to W. S. Van Natta & Son, on Browsey Lass; fifth to W. H. Curtice, on Belle Donald 94th; sixth to same on Belle Donald 93rd; seventh to Gudgell & Simpson, on Dulcinea 15th; eighth to Cargill & McMillan, on Misty 2d.

Junior heifer calf—First to W. H. Curtice, on Belle Donald 96th; second to W. S. Van Natta & Son, on Donald Lass; third to Cargill & McMillan, on Priscilla 3d; fourth to W. S. Van Natta & Son, on Prairie Queen; fifth to Jas. A. Funkhouser, on Byrdella; sixth

to Gudgell & Simpson, on Belle 19th; seventh to Cargill & McMillan, on Lady Ellen; eighth to Steele Bros., on Arminta.

Senior sweepstakes bull, 2 years old or over—To C. G. Comstock, Albany, Mo., on Defender.

(Concluded next week.)

PUBLIC SALES OF FINE STOCK NEXT WEEK.

Monday, October 23.

M. C. Vansell, Muscotah, Kans., Poland-Chinas and Shorthorns.

Tuesday, October 24.

Breeders' Combination Sale, Belleville, Kans., Poland-Chinas. E. A. Schooley, Austin, Mo., Poland-Chinas.

Wednesday, October 25.

J. B. Davis, Fairview, Kans., Duroc-Jerseys.

James Mains, Oskaloosa, Kans., Poland-Chinas.

Chester Thomas, Waterville, Kans., Duroc-Jerseys.

Thursday, October 26.

Newton Bros., Whiting, Kans., Duroc-Jerseys.

Friday, October 27.

H. N. Holdeman, Girard, Kans., Poland-Chinas.

Saturday, October 28.

J. F. Staadt, Paola, Kans., Duroc-Jerseys and Shorthorns.

Garrett Hurst, of Peck, in Sumner County, has several servicable Angus bulls ready for buyers and invites correspondence and inspection of them by Kansas Farmer readers. Mr. Hurst is desirous of selling all of them at once and will make a very low price on one or all. He also has a yearling and 2-year-old Percheron stallion, one bay and the other black, that he will sell at very reasonable prices.

HOGS WILL MAKE YOU RICH
Send 10c for a whole year's trial subscription to the best hog paper in the world. Free sample.
SWINE BREEDER, Lincoln, Mo.

PURE ALFALFA SEED

Book Your Orders Now.
New Crop Ready by October.

Our Alfalfa Seed won the highest award at the World's Fair held at St. Louis last year, in competition with all countries of Europe and the United States. Write us for prices on any quantity.

McBETH & KINNISON, Garden City, Ks.

ALFALFARIA

(Erodium Cicutarium)

One trial package, \$1.00, three for \$2.00. Three packages will seed one acre, or properly distributed over 320 acres will seed entire plot second crop. Earliest forage known; will fit your cattle for market 30 to 60 days earlier than your native grass. Try it in your locality; sow September, October, November.

GEO. L. BELCHER,
Globe, Arizona.

SOMETHING NEW

The John W. Jones, Complete Litter Record and Handy Herd Register.

Is the very latest thing out. Have you seen one? It is almost indispensable, if you are raising pure-bred swine. It matters not, what breed. Write

JNO. W. JONES at Delphos, Kansas.
He will tell you all about it.

FIFTH TERM

JONES' NATIONAL SCHOOL

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Opens Dec. 18, 1905. All branches of the work taught. Students now selling in thirteen states. For Catalogues write Carey M. Jones, President.

8,000 ACRES

Wheat and Alfalfa Land in Logan and Wallace.

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

Chas. A. Wilbur, 111 W. 6th St., Topeka, Kans.

MONEY GROWS IN SOUTH TEXAS

You can raise
Two crops of hogs per year
Two crops of corn per year (some years)
Three crops on same land in one year
Five to eight cuttings of alfalfa per year
UNEXCELLED for Cattle, Hogs, and Poultry.

NO BLIZZARDS—Ideal climate. Most profitable agricultural land in United States for sale as follows: 237 A. splendid land, 2 houses, 180 cultivated, town 4 miles, \$3,735. 600 A. fine land, good house, 100 cultivated, town 2 miles, \$9,650.

Ten special bargains. List free.

HILAND P. LOCKWOOD, Col. Agt.,
S. A. & A. P. Ry.

Southern Office—502½ Houston St.,
San Antonio, Texas.

Northern Office—154 Bryant Bldg.,
Kansas City, Mo.

Great Dispersion Sale

40- REGISTERED -40
HEREFORD CATTLE,

ELDORADO, KANS., OCTOBER 31, 1905

This dispersal offering comprises 16 cows, 8 with calves at foot; 7 yearling heifers, the herd bull, Major Bean Real by Beal Real, Nothing reserved. Write for catalogue.

Auctioneers:

Col. R. E. Edmundson and Jno D. Snyder.

Joseph Condell,
ELDORADO, KANS.

The Young Folks

CONDUCTED BY RUTH COWGILL.

The Last Load in the Barn.

Talk about your automobiles,
And your reckless rides to-day—
Guess you never raced a rain-cloud
On a slashin' load o' hay.

When a youngster, I jest liked it—
Startin' from the fardest side
Of the forty-acre medder
With the last load high and wide.

Pap bareheaded an' a drivin'
Like a jockey at the fair—
Horses down to a dead gallop—
Hay-straws flyin' through the air.

And us boys, our bare shins buried
In the middle o' the load,
Holdin' to the pitchfork handles—
Wonderin' if we'll make the road.

Lightnin' flashin', thunder boomn'—
Nancy! how that old load reeled!
When we struck the big dead furrow
In the middle o' the field.

Through the gap and down the turn-
pike,
Horses with their ears laid back—
Pap with one eye on the rain-cloud
And the other on the track.

Mother on the porch a wavin'
Of her apert, smilin' glad—
Sister scootin' crost the barn-lot
Op'nin' gates and doors like mad.

And us boys a-clinin' breathless,
Git a mighty healthy scare,
When pap, drivin' at a gallop,
Clears the gate-post by a hair.

Right into the barn we clatter,
And the horses snort and rear,
As a mighty clap o' thunder
Shakes the roof and lifts our hair.

When the rain comes down in rivers,
We ain't carin' a consarn,
For our supper's on the table,
And the last load's in the barn.
—Edmund J. Wilson, in the National
Stockman.

A Fairy Palace in Spain.

CELESTE NELLIS.

Christopher Columbus discovered America for us, but our Washington Irving discovered the marvelous beauties of the Alhambra, the royal palace for Moorish Spain.

It was the same year that Ferdinand and Isabella drove the Moors from their possession of the Alhambra, that they gave Mr. Columbus permission to go hunting for America—that is, Ferdinand gave permission and Isabella gave the price of her jewels which she sold, to assist Uncle Christopher in his praiseworthy enterprise to find a new world or two.

During the residence of the Catholic kings in this fairy place, much was done to efface the beautiful decorations that the hated Moors had wrought; the walls were covered with whitewash, and the furniture was all removed. After the king's residence had been changed to Madrid, this palace was used for a state prison, and afterward for military barracks; and in 1829 when Washington Irving came here, he found the Gypsies camping in this beautiful ruin. He became so interested that he took up his residence within the walls for a time, and here wrote his book about Spain.

Through the efforts of Washington Irving the Spanish Government became strong enough to realize the fact that she possessed one of the most beautiful buildings in the world; and since that time much has been done to restore it. The whitewash has been removed and the Gypsies have been driven out, so that to-day one can revel in the beautiful Moorish decorations of the walls, halls and courts of the palace, or wander in the beautiful gardens and enjoy magnificent views from the famous old towers.

Our first sight of the Alhambra was in the twilight. We had arranged to stay at the Villa Carmona inside the Alhambra walls and just beside the grand old palace itself. Senor Carmona met us at the railway station, and as we drove through the beautiful park that leads up the hill, I felt as if we were on an enchanted mountain, and the longer one remains in the old ruin, so filled with romance and legend, the more enchanted it seems.

After the dinner, which was served in the villa garden, beside a splashing fountain, with lovely flowers all about it, and many grand old trees, we wandered out and watched the moon come up over the towers; and

as its beams lighted up the old walls, it seemed to transform the palace into a fairy land, and carried us back from the modern world—many centuries—to the time when Boabdil reigned here among the Moorish wonders and glorious splendors of his court. Having just come from Morocco in Africa, in the stillness of the moonlit night it was easy to imagine the halls and courts filled once again with the flowing white robes bedecked with flowers, and to imagine that behind those latticed windows of the court were the beautiful women of the harem sitting on their gold-embroidered cushions in their gorgeous gowns. But with the sunshine such visions were entirely dispelled, and the Moorish palace became a very beautiful, but very deserted place.

As one approaches the palace, it seems impossible to believe that those shedlike roofs inclose the most beautiful building in the world. They say that this excessively plain exterior was adopted to avert the evil eye, which the Moors believe scowls upon that which is too prosperous. But as you pass inside you seem to be transported into "fairy land."

We had been told to inquire for Antonio Sanchez, who is really a son of the Alhambra; he says his family have lived in the Alhambra for centuries. We have since learned that Antonio is an artist, and was ambitious to go to Italy to study with some of the "old masters," but his father was growing old, and just about the time that young Antonio was preparing to leave, his father lost the position of "Custodian of the Alhambra," and couldn't find it. So Antonio was compelled to give up his ambitious visions, and become an interpreter at the palace, for he speaks many languages, besides being an artist.

On telling him that we had heard of him in America, he said, with the fascinating Spanish smile: "Of course I am very famous in America." We found, however, that there could be no better posted guide in the Alhambra than this same Antonio. Through our appreciation of his vast knowledge, and with the assistance of a few Spanish dollars, we soon became friends with Antonio, and well acquainted with the beautiful Alhambra. We thought we had a glimpse of about everything in the palace the first day, and had heard about all the legends, yet Antonio had always something new to us, to tell, and further beauties of the building to show us every day, and it seemed that the longer we stayed inside the magic walls, the more we discovered in the beauties of its architecture and decorations.

Antonio first took us into the "Court of Myrtles." In the center is a large pond set in a marble pavement, with rows of myrtles on every side. On each end of the hall are galleries supported by marble pillars, the ornamentation of the capitals varying in each. Arches, slender and pliant like palms, spring from the capitals, and bend most gracefully until they meet.

Like most of the halls and courts in this palace, this one has been the scene of many a deadly deed of vengeance and jealousy. Today, of course, it is a very peaceful place, and the pretty little gold fish dart about in the clear pool as happy as though nothing but Sunday-school songs had ever been uttered near it. The water in this miniature lake reflects, like a crystal mirror, the "Tower of Comares," in which is the "Hall of the Ambassadors"—the largest one in the Alhambra. In this hall was the throne of the Sultan, and later the throne of Ferdinand and Isabella; and here it was that Columbus made his petition and presented his plan for his memorable voyage across the Atlantic. The decorations on the walls, and the glorious ceiling with inlaid work of colors is made in the shape of crowns and stars, and has been called "an imitation of the vault of Heaven."

The beautiful views of the valley of the Darro, to be had from the open windows, make this hall the "pride of the Alhambra." Antonio said it was from the balcony we could see underneath the center windows, that Boabdil's mother, when a captive there, let

him down in a basket to a friend in the valley below, when the father wanted to kill the poor little baby because a rival of its mother, in the harem, had said that he was plotting against the throne.

Next we entered the famous "Court of Lions," which is bewilderingly beautiful with its many mazes of white marble pillars, and the ornamented pavilion with fillagree walls. In the center is the celebrated "Fountain of Lions;" but in this bewitched place, if those lions should become possessed with animated life, they would not frighten any one; for as the Moors were prohibited from making the exact representation of any living creature, those lions are remarkably peaceful looking, and impress one with the thought that they are more nearly related to a Hereford calf than to their royal namesakes in Africa. There are some dozen or thirteen peaceful lions supporting each one of the large marble basins at the fountain.

One of the pavilions leads into the "Hall of Justice," where Ferdinand and Isabella first "heard mass" after taking possession of the Alhambra. The stalactite arches, rising from small columns, are especially beautiful in this hall. Another pavilion leads into the "Hall of Abencerages." A wonderful stalactite roof crowns this hall, showing the most exquisite colors of lilacs, brown, red and gold. It was at the marble fountain in the center that Boabdil, the last king of the Moors, is supposed to have had the Abencerages beheaded after his famous dinner party. Antonio claims that the dark spots on the marble floors are the stains of blood the Abencerages scattered about, at the time of their decapitation.

From this gloomy vision one is transported by looking through the arches, among the columns, beyond the "Fountain of Lions" to the "Hall of the Two Sisters," and on to the "Mirador of Lindaraxa" and through the open windows with their beautiful ornamented arches, to the old cypress trees, so green, and tall and straight, growing up out of the garden of Boabdil's favorite wife, Lindaraxa.

The bewildering loveliness of sculpture, which though endlessly varied, is perfectly harmonious, is quite indescribable. A petrified veil of the most delicate lace covers every wall, formed partly by flowers and patterns, but mainly with maxims from the Koran, of which constantly occurs "Wa la ghalila Allah—Allah." (There is no conqueror but Allah.) The hall of the "Two Sisters," is named for two Spanish ladies, kept captive there, and also because of the two large twin pieces of marble on either side of the fountain.

While sitting in the windows of the "Mirador of Lindaraxa," Antonio related the story of Lindaraxa. All the legends of the Alhambra seem to differ according to the one who relates them. This is Antonio's version: Lindaraxa was a beautiful woman, and the wife of one of the Abencerages (prominent men of the time of Boabdil). She was stolen from her home and taken to the Moorish Bazaar to be sold; there she was bought by men who were always watching for beautiful women for the Sultan's harem. She became Boabdil's favorite, and the "Hall of the two sisters" became her boudoir, and these windows, her lookout on the lovely garden below. It was while she was here that the two Spanish sisters were brought as captives, and she was very kind to them.

In the meanwhile Lindaraxa's husband was seeking everywhere for her, and finally suspected that she was in the Sultan's harem. So he watched always around the gardens to see her. On the adjoining hill is the summer palace, known as the "Glueralife," and in that day, Antonio said, it was connected with the Alhambra, and it was in the garden there, one day that her husband saw her under a huge, old cypress tree.

(To be continued.)

I never yet had my own way in enny-thing but what I saw afterward how I could hav improved upon it.—Billings.

For the Little Ones

The Boyless Town.

A cross old woman of long ago
Declared that she hated noise;
"The town would be so pleasant, you know,
If only there were no boys."

She scolded and fretted about it till
Her eyes grew heavy as lead,
And then of a sudden the town grew still,
For all the boys had fled.

And all through the long and dusty street
There wasn't a boy in view;
The baseball lot, where they used to meet,
Was a sight to make one blue.

The grass was growing on every base,
And the paths that the runners made,
For there wasn't a soul in all the place
Who knew how the game was played.

The dogs were sleeping the livelong day;
Why should they bark or leap?
There wasn't a whistle or call to play,
And so they could only sleep.

The pony neighed from his lonely stall,
And longed for saddle and rein;
And even the birds on the garden wall
Chirped only a dull refrain.

The cherries rotted and went to waste;
There was no one to climb the trees;
And nobody had a single taste,
Save only the birds and bees.

There wasn't a messenger boy—not one,
To speed as such messengers can;
If people wanted their errands done
They sent for a messenger man.

There was little, I ween, of frolic and noise;
There was less of cheer and mirth;
The sad old town, since it lacked its boys,
Was the dreariest place on earth.

The poor old woman began to weep,
Then awoke with a sudden scream;
"Dear me!" she cried, "I have been asleep;
And oh! what a dreadful dream!"
—F. K., in New Haven Register.

Pranks of Johnnie Bear.

If any boy or girl reader of the Children's Page should happen to go to Yellowstone National Park this summer he or she would certainly see little Johnnie Bear there.

Johnnie Bear is the baby cub whose acquaintance Ernest Thompson Seton made while visiting the park, which, by the way, contains the finest preserve of wild animals in the country. Johnnie was caught by some of the people at the hotel, which was not so difficult, as Johnnie had been lame from his birth.

Not long since, in speaking in Carnegie Hall under the auspices of the West End Exchange and Industrial Union, Mr. Seton told his young friends a lot of new stories about Johnnie.

"Johnnie is immortal," he said, "Yellowstone Park is never without its Johnnie—sometimes there are two of him—and I keep hearing new stories about him.

"The hotel cat and the hotel poodle were sworn enemies even before Johnnie arrived on the scene, and he made matters worse. Then it became a triangular duel. Johnnie liked nothing better than to get in a safe place and watch the others fight."

Here Mr. Seton threw a picture on the screen showing the poodle and the cat locked in a death grip, while Johnnie, sitting like a soft little wad of fur on the top of a cask out of danger watched them with glee.

"But Johnnie Bear was a bad, little, mischievous bear. There was nothing he loved better than to tease the old mother cat's kittens. So one day he chased one of the kits till it ran up a tree.

"That is always a silly thing for a kitten to do, because it is sure to lose its head when it gets up a little way. Johnnie, who was an adept at tree climbing, was up and after it like a flash. But he didn't see the old cat, who could climb a tree every bit as well as he could, and who rushed out of the house and up after Johnnie before he knew what was coming.

"But when the old cat got up to where the tree divided she was in a quandary. On one branch was her baby, hanging on for dear life; on the other was Johnnie Bear, looking at her maliciously out of his little bright eyes. If she punished Johnnie she left her kitten to suffer, and perhaps break its back falling off. If she helped her

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Established 1840.

kitten and left that wretch of a Johnnie Bear to get down in safety—

"The kitten settled it by giving a pleading meow-meow. Its mother no longer hesitated, but, taking it by the scruff of the neck, crawled down the tree, leaving Johnnie triumphantly perched on his bough, chuckling over the trouble he had made."

And there was Johnnie on the screen, a quaint, comical little figure, balancing himself on his bough like a boy sitting in a swing, while the retreating figure of mother cat, with her darling in her mouth, could be seen in the distance.

"Johnnie was as fond of honey as any boy or girl. When he found a wild bees' nest he would sit down beside it and kill off all the bees, bringing down his fist upon them as accurately as a boy captures a butterfly in his hat. The bees all dead, he would put in his paw and bring out the honey, and when the honey was all gone he would clean up any drops that might have fallen around, devour the wax, and wind up by eating the dead bees.

"But once some of the men played a mean, mean trick on Johnny. Having found a wasp's nest in a tree, they 'sle'd' Johnnie on to it.

"Oh, Johnnie! honey, honey, Johnnie!" They called.

"Johnnie looked at the nest and was skeptical. He had never seen honey look just like that before.

"Honey, Johnnie. Nice honey!" they called to him and at last, approaching very shyly, he timidly reached out a paw and touched the queer thing. The next thing any one knew Johnnie had the nest firmly gripped between his front paws and was making for the river like mad. In he leaped, swimming like a fish till he reached the opposite side. Then, the wasps having all fallen off or been drowned, Johnnie sat down on the grass, pulled his nest apart, and though surprised to find no honey in-

side, ate all the contents, several nice, fat grubs.

"Then he wound up by stuffing down the nest itself. When he got through he looked just the shape of the nest. And why shouldn't he? He had it all inside him."—N. Y. Tribune.

Comrades.

Bobby was ten years old, and an alarmingly light-hearted and careless young person. It was supposed, however, that he would be capable of escorting his grandmother to the family Christmas dinner, one block away from her home, without mishap.

He was tall for his age, and he offered his arm to his grandmother in a gallant and satisfactory manner as they started off together.

"I hope he will remember that she is almost ninety, and not try to hurry her. I'm sure I've cautioned him enough," said Bobby's mother as she began to dress her younger children. But when she arrived at the family party it appeared that grandmother had turned her ankle and was lying on the lounge.

"Bobby," said the mother reproachfully, "where were you when grandma slipped?"

"Now, I won't have that boy blamed," said grandmother, briskly, smiling up into Bobby's remorseful face. "We came to a fine ice slide, and he asked me if I thought we could do it, and I told him I did. And I want you children to remember one thing; when you get to be most ninety you'll count a turned ankle a small thing compared with having somebody forget that you've outlived everything but rheumatism and sitting still. Anybody that likes can rub this ankle a minute or two with some liniment, but I want Bobby next me at dinner, mind!"—Exchange.

An Answer.

The Duchess of Sutherland is a great lover of children and often visits the village schools to see the little ones. One one occasion the class had just finished drawing a carrot, and a specimen of the vegetable lay on the table. Holding it up, the duchess said: "Can any one tell what pretty and useful animals are fond of this vegetable?"

Up went one little fellow's hand. "You may tell me, my little man." "Please, mem, yourself," was the child's startling reply.—Exchange.

Salvation with Food.

Fourteen-year-old Emma, who had come home from her first day's schooling in elementary physiology, was questioned by her parents as to what she had learned.

"Papa," she complained, "I don't think I like physiology."

"Why not, my dear?" "Well, teacher was explaining digestion to us to-day, and she said we had to mix salvation with every mouthful of food."—Harper's Weekly.

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The Dog's Bark.

"Did you hear about the poetical way in which Biffets announced the death of his pet dog?"

"No. How was it?"

"He said: 'We regret to announce that our little Perlie has steered his bark to the other shore.'—Cleveland Plaindealer.

Special Homeseekers' Excursion to Michigan.

The Chicago Great Western Railway will sell tickets to points in Michigan at greatly reduced rates for the round trip. Tickets on sale October 17, 31, November 7, 21, and December 5. Final return limit 15 days from date of sale. For further information apply to G. W. Lincoln, T. P. A., 7 W. 9th St., Kansas City, Mo.

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OCT. 17, AND NOV. 7.

On the above dates special homeseekers' excursion rates have been authorized from Ohio and Mississippi gateways to points reached by the Southern Railroad and Mobile & Ohio Railroad. Round trip tickets will be sold at the remarkably low rate of 80 per cent of the standard one-way rate—less than half fare for the round trip. These excursions present exceptional opportunities to homeseekers to personally inspect the rapidly growing South, and to choose homes which are the best in the United States.

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Every pain in the breast, difficult breathing, palpitation, fluttering or dizzy spell means that your heart is straining itself in its effort to keep in motion. This is dangerous.

Some sudden strain from over-exertion or excitement will completely exhaust the nerves, or rupture the walls or arteries of the heart, and it will stop.

Relieve this terrible strain at once with Dr. Miles' Heart Cure. It invigorates and strengthens the heart nerves and muscles, stimulates the heart action, and relieves the pain and misery.

Take no chances; make your heart strong and vigorous with Dr. Miles' Heart Cure.

"I suffered terribly with heart disease. I have been treated by different physicians for my trouble without results. I went to a physician in Memphis, who claimed that I had dropsy of the heart. He put the X-ray on me, and in connection with his medicine he came near making a finish of me. Some time before this a Mr. Young, of St. Louis, was in our town. He saw my condition and recommended Dr. Miles' Heart Cure to me. I gave it little attention until my return from Memphis, when I concluded to try it, and am pleased to say three bottles cured me."

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

CONDUCTED BY RUTH COWGILL.

Lost—My Boy.

Lost! I have lost him;
When did he go?
Lightly I clasped him.
How could I know
Out of my dwelling
He would depart.
Even as I held him.
Close to my heart!

Lost! I have lost him:
Somewhere between
Schoolhouse and college,
Last he was seen;
Lips full of whistling,
Curl-tangled hair:
Lost! I have lost him.
Would I knew where.

Lost! I have lost him,
Chester, my boy!
Picture-book, story-book,
Marble and toy,
Stored in the attic,
Useless they lie.
Why should I care so much?
Mothers, tell why.

Yes, he has gone from me,
Leaving no sign,
But there's another
Calls himself mine;
Handsome, and strong of limb,
Brilliant is he,
Knows things that I know not;
Who can it be?

Face like his father's face,
Eyes black as mine,
Step full of manly grace,
Voice masculine.
Yes, but the gold of life
Has one alloy:
Why does the mother-heart
Long for her boy?

Long for the mischievous,
Queer little chap;
Ignorant, questioning,
Held in my lap.
Freshman, so tall and wise,
Answer me this:
Where is the little boy
I used to kiss?

—Good Housekeeping.

Greetings to the Women's Christian Temperance Union.

E. B. COWGILL, PRESIDENT KANSAS STATE TEMPERANCE UNION.

In bringing to this annual convention of the Women's Christian Temperance Union, assembled here in the capital city, the greetings of the Kansas State Temperance Union, I speak for a concentrated, organized, cooperative force of temperance workers in Kansas. As a federation of churches, Sunday-schools, and auxiliary church societies, together with all other temperance organizations of every kind in Kansas. The State Temperance Union greets the Union of mothers, wives, sisters, the W. C. T. U., which began its work of redemption many years ago, and has unwaveringly maintained an immovable, an ever and everywhere present propaganda against the saloon and accompanying evils, and in favor of a pure and exalted manhood and womanhood. None can measure the effects of the persistent advocacy of right that has, during every one of these years, emanated from the Women's Christian Temperance Union. The State Temperance Union is proud to count your influence and your cooperation among the most potent elements in its federated work.

You are not here seeking praises. You have more serious matters in hand. You desire to see Kansas prohibition made more effective than it has ever been. You will take counsel of each other and possibly of your friends, with the view of eliminating the joint from Kansas.

In our eagerness for results let us not forget that temperance fighters on the firing line need the support of commendation more than the stimulant of the lash. Pardon an illustration of this point by reference to an occurrence in Topeka.

Two families in a residence district each had that essential, a good mother. Each had, also, what is almost as essential, a good boy. Their gardens were side by side. Now, the one obstacle to gardening in the city is the neighborhood chickens. At the same moment these two good mothers called, each to her boy, to drive the chickens out of the gardens. The boys caught up their bean-shooters and started for the gardens. Joe ran very fast and having his pocket full of beans was creating consternation among the chickens in his garden. Some of them failed to move as fast as Joe thought

they ought and he reached into his other pocket and began shooting leaden bullets among the chickens. Some of the owners of the chickens protested and called Joe's attention to the fact that he had broken that red rooster's leg. Joe's reply was, "Keep yer chickens out of my garden if you don't want their legs broken."

Ed also heard his mother's call and grabbed his bean-shooter. Just then he caught sight of his mother and stopped to say, "Oh, mother, you are the dearest woman I ever saw!" Then Ed got some beans in his pocket and ran to the garden. Again his eyes were raised to the door where stood his mother, and he called, "Mother, there was never a woman in all the world like you!" Ed's brother came around the house just then and seeing that Joe was creating such a commotion among the chickens while Ed was admiring his mother, began to throw clods into Ed's face. Ed thought it was unjust to have to face a war like that while caring for the garden, but he got his bean-shooter at work and at last accounts was clearing the garden. Fact is that Ed had years ago helped to build so good a fence around his garden that none but little chickens could get in.

Joe and Ed are both good boys. But for the comparison with the swift-running Joe, Ed's mother would be the proudest woman in America. She ought to be and is proud and will be prouder as the days go by.

Moral:—Give Governor Ed Hoch credit for what he is doing, stand by him, and do not blame him for admiring Kansas.

In extending to you the greetings of the State Temperance Union, I am glad to tender also its help. Your organizations and many others have come to our legal advisory committee for counsel. It is gladly given and without charge. The Union's advice on other than legal matters is often sought. The wide experience of the office enables it to be helpful. To illustrate: The ladies of the W. C. T. U. at Topeka found that, through some mistake, liquor was being sold at the fair grounds. Prompt action was necessary. They brought the case to the attention of officers of the Union. Legal proceedings would meet with delays equivalent to failure. Here is the advice they got and followed: "Address a note to the president of the Fair Association stating your information and how you feel about it and all sign it." The next morning every objectionable feature was driven from the grounds. Who can estimate the power of such an appeal from earnest women?

The State Temperance Union congratulates the Women's Christian Temperance Union upon the law-enforcement propaganda upon which Kansas is entering—congratulates you on the fact that your agitation and ours has awakened the public conscience and that this conscience is ably represented in the State House.

Further, the State Temperance Union stands ready to promote your efforts and to assist in presenting to the Governor and to the Attorney-General, the needs of your communities for such help as they can give. A word of admonition may be timely here. The highest officials are limited to the powers conferred by the law. Let me illustrate: The prohibitory law was flagrantly violated in one of our counties. Application was made to officers of the State Temperance Union for influence to secure the bringing of proceedings to oust the county attorney. The friends were asked to make a written statement of what they could prove and of the evidence by which they could prove it. They had supposed that it would be easy to state a case that would need only prosecution by the Attorney-General to oust their county attorney. After several attempts they reported that while the county attorney was undoubtedly guilty of gross neglect of his duties, they would not be able to prove it. They withdrew their request for help to induce the Governor to direct the Attorney-General to bring ouster proceedings. They are gathering evidence and may make a case later.

Doubtless one of the best means of securing the enforcement of the law is to compel those who are elected, sworn and paid to enforce it, to do their duty. Such compulsion is both cheaper and more effective than to do it for them.

May we not expect an era of conscientious observance of law by those in authority, and an enforced observance by those who have not at heart the public good?

You as well as we have been confronted with the statement that the enforcement of the law is costly, too costly, and—they do not say it, but want you to infer that its enforcement ought, therefore, to be discontinued!

This argument was made as to Cherokee County in which our good friend, C. D. Ashley, of Columbus, was recently Assistant Attorney-General. Let us look at these figures. The cost of the grand jury, etc., was \$7,300. Now, taxpayers, do not get scared, but look at the other side of the account. The calling of the grand jury brought into the county treasury \$5,000 of dues that had been withheld—scared it in. The prosecutions of jointists resulted in the assessment of fines to go into the county school fund amounting to over \$7,000.

Here is the account, then:

LAW ENFORCEMENT BY ASSISTANT ATTORNEY-GENERAL.	
CREDIT.	
By collections.....	\$ 5,000
By fines.....	7,000
Total.....	\$12,000
DEBIT.	
To cost of Grand Jury.....	\$ 7,300
Balance to credit of Law Enforcement.....	\$ 4,700

The fact that the county commissioners let several of the offenders out of jail without compelling payment of their fines is not to be counted against the enforcement of the law, but against the officials who did not want it enforced. Let us insist upon the enforcement of the law, not alone against the jointist, but also against the anarchist who has sworn to perform an official duty and does it not.

Again congratulating you on your steadfastness of purpose, your purity of motive, and your exertion of influences greater than have been apparent on the surface of events, the State Temperance Union awaits your further commands.

A Plea for Pies.

Although food theorists and food cranks, have varying opinions as to the wholesomeness of certain foods, they one and all agree in denouncing pie. It is the one dish most ardently condemned, and yet the one dish most universally liked—at least, by Americans. Still, notwithstanding the bad reputation pie enjoys, it is a wholesome dish if properly made.

In making it the average housewife rolls out a heavy, sodden crust, and then spreads it in a thick layer over the bottom and sides of a pie-plate. She forgets to rub this crust with the white of an egg, and immediately puts in the filling of custard, fruit or mince-meat, whose juices will later soak into the crust, making it still more sodden. She then covers the pie, perhaps, with another layer of this thick pastry, and puts it in an oven that is not hot enough. The oven should be so hot that the pastry will brown before the butter in it has barely a chance to melt. The crust will then be crisp.

All pie-crust, of course, should be of waferlike thinness. Not only are properly made crusts harmless, but some popular fillings are exceedingly wholesome. What, for instance, could be better than a custard or a pumpkin filling? The latter is, as a rule, only a custard rich in eggs, with an addition of pumpkin and a few spices, which are aids to digestion.

Without doubt all pies should be eaten in moderate portions, especially by delicate persons, but this rule applies to any dish. Even cream is not good for persons under certain conditions, yet no one but a crank would deny it to a person in good health. Many food faddists expect healthy people to live daily on an invalid's diet.

There are five rules to observe in

THE CHANGE OF LIFE

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Dangers and Pain of This Critical Period Avoided by the Use of Lydia E. Pinkham's Vegetable Compound.



How many women realize that the most critical period in a woman's existence is the change of life, and that the anxiety felt by women as this time draws near is not without reason?

If her system is in a deranged condition, or she is predisposed to apoplexy or congestion of any organ, it is at this time likely to become active and, with a host of nervous irritations, make life a burden.

At this time, also, cancers and tumors are more liable to begin their destructive work. Such warning symptoms as a sense of suffocation, hot flashes, dizziness, headache, dread of impending evil, sounds in the ears, timidity, palpitation of the heart, sparks before the eyes, irregularities, constipation, variable appetite, weakness and inquietude are promptly heeded by intelligent women who are approaching the period of life when woman's great change may be expected.

Lydia E. Pinkham's Vegetable Compound is the world's greatest remedy for women at this trying period, and may be relied upon to overcome all distressing symptoms and carry them safely through to a healthy and happy old age.

Lydia E. Pinkham's Vegetable Compound invigorates and strengthens the female organism, and builds up the weakened nervous system as no other medicine can.

Mrs. A. E. G. Hyland, of Chestertown, Md., in a letter to Mrs. Pinkham, says:

Dear Mrs. Pinkham:—
"I had been suffering with falling of the womb for years and was passing through the change of life. My womb was badly swollen. I had a good deal of soreness, dizzy spells, headaches, and was very nervous. I wrote you for advice and commenced treatment with Lydia E. Pinkham's Vegetable Compound as you directed, and I am happy to say that all those distressing symptoms left me, and I have passed safely through the change of life a well woman."

For special advice regarding this important period women are invited to write to Mrs. Pinkham for advice. It is free and always helpful.

the making of a perfect pie. First—Rub the undercrust with the white of an egg before putting in the filling, to prevent it from soaking into the pastry. Second—Bake it in the hottest of ovens. Third—Place it in the lower half of the oven at first against the bottom, later removing it to the upper shelf. Fourth—Always place crust in the refrigerator to become thoroughly chilled and hard before filling and baking it. Fifth—pound the pastry well until it is filled with air spaces.

Volumes could be written on the correct treatment of pastry. Any of the recipes in standard cook-books will do, however, if a few details are carried out.

A marble board is an ideal arrangement for rolling pastry. A current household magazine suggests that the

DO YOU WANT GOOD READING?

?

The yearly subscription price of the following magazines is as follows:

Review of Reviews.....	\$3.00
The Cosmopolitan.....	1.00
Woman's Home Companion.....	1.00
Kansas Farmer.....	1.00

Total..... \$6.50

We have 1,000 subscriptions for the first three to dispose of and can, therefore offer the four above-named magazines for \$3 received at this office. The four must go in one set, though they can be sent to different addresses. Address

KANSAS FARMER CO.,
TOPEKA, KANSAS.

hideous marble tops of old-fashioned tables might be fitted up for this purpose.

Smooth, even pie-crust is an abomination, and yet many housekeepers think that is the proper way to have it, and sometimes they will even be heard to complain when by accident their pie-crust is rough and almost breaking into waferlike flakes. This flakiness is, however, the proper condition of pastry.

Pies, as a rule, are better adapted to a winter than a summer diet, because of the butter, which makes them too rich for warm-weather fare. Fruit-pies, however, are good at all seasons, and there are few things more attractive than huckleberry and other fruit pies, even in the hottest dogdays. There are also many good cold meat-pies which are welcome at picnics. When preparing a chicken or meat pie it is always better to add a little baking-powder to the regular rule for ordinary pie-crust.

Add one cup of butter to every two cups of flour (pastry flour). Then chop together in a wooden bowl, with an ordinary old-fashioned chopping-knife, until the mixture is broken into small bits, the size of peas. Add half a cup of ice-water. Mix with a knife; then beat and turn and beat and turn until the whole is smooth, but full of lightness. This pounding and turning is better if done upon a marble board in a cool store-room or cellar. Never touch the pastry with a spoon or the hand, but with a knife; then put it where it will become ice cold and hard before rolling it out.

There are several variations to this rule which can do no harm. If baking-powder is wanted, add a teaspoonful to this amount of flour and butter. —Exchange.

HEATING STOVE FREE WITH \$10 WORTH OF LARKIN PRODUCTS



THE Larkin Idea of Factory-to-Family dealing saves the middlemen's expenses and profits for thousands of families annually. Instead of paying the retailer's high prices, you buy from us, the manufacturers, \$10.00 worth of

Laundry and Toilet Soaps, Toilet Articles, Coffee, Teas, Spices, Extracts, Baking Powder, Etc.;

and receive this \$10.00 Pan Oak Heating Stove free; or your choice from many other Stoves, Ranges, Rugs, Carpets, Furniture, Silverware, and hundreds of other home furnishings. You get a double retail value.

That Larkin Products are of highest quality is well known everywhere; the average family can use \$10.00 worth every little while.

Larkin Premiums always please in design, workmanship and finish—ask any Larkin customer.

Write for Stove Catalogue No. 15

We also send new Larkin Product Booklet and Premium List—all will interest you.

Larkin Co.

ESTABLISHED, 1875. BUFFALO, N. Y.

Club Department

OFFICERS OF THE STATE FEDERATION OF WOMEN'S CLUBS.

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

Our Club Roll.

Mutual Improvement Club, Carbondale, Osage County (1896).
Give and Get Good Club, Berryton, Shawnee County (1898).
Women's Literary Club, Osborne, Osborne County (1897).
Women's Club, Logan, Phillips County (1902).
Domestic Science Club, Osage, Osage County (1898).
Ladies' Crescent Club, Tully, Rawlins County (1902).
Ladies' Social Society No. 1, Minneapolis, Ottawa County (1898).
Chautau Club, Highland Park, Shawnee County (1902).
Cultus Club, Phillipsburg, Phillips County (1902).
Literature Club, Ford, Ford County (1902).
Sabbath Club, Mission Center, Shawnee County, Route 2, (1898).
Star Valley Women's Club, Iola, Allen County (1902).
West Side Forestry Club, Topeka, Shawnee County, Route 2, (1898).
Fertile Club, Grant Township, Reno County (1902).
Progressive Society, Rosalia, Butler County (1902).
Pleasant Hour Club, Wakarusa Township, Douglas County (1898).
The Lady Farmers' Institute, Marysville, Marshall County (1902).
Women's Country Club, Anthony, Harper County (1902).
Taka Embroidery Club, Madison, Greenwood County (1902).
Mutual Improvement Club, Vermillion, Marshall County (1902).
Prestis Reading Club, Cawker City, Mitchell County (1902).
Cosmos Club, Russell, Kans. —
[All communications for the Club Department should be directed to Miss Ruth Cowgill, Editor Club Department.]

The Sunflower Club of Thompsonville.

We are glad to add to our roll a new club which has the unique and particularly appropriate name of the Sunflower Club of Thompsonville.

This club was organized October, 1905, at the pleasant country home of Mrs. Brown, with a membership of twelve. At this first meeting a constitution was drawn up and adopted, a name was chosen and the subject of study for the year was discussed, all of which is a good deal to accomplish in one short afternoon.

We feel no hesitancy in prophesying for the Sunflower Club a prosperous and exceedingly useful and happy life, and we shall hope to hear of its progress very frequently.

Vegetable Millinery.

At the recent unveiling in Ocean Grove of the bronze statue of the late Dr. E. H. Stokes, a Methodist minister said:

"I knew Mr. Stokes well, and one of the things I most admired in him was his simplicity, his modesty, his plainness. He hated affectation and vanity, even in women; and in a good humored way he would often poke fun at the freakish fashions that come up from time to time in women's dress.

"I remember one summer, when the ladies' hats were very large and a great many cherries and beans and grapes and so on covered them. Dr. Stokes went about Ocean Grove telling a hat story.

"He said there came a knock at a man's door one morning, and the man answered it, and then called upstairs to his wife:

"Ann, here is the girl with the vegetables."

"But the wife, coming down stairs hastily, called as she descended:

"Don't be silly. It's my new hat."

—Cincinnati Enquirer.

His Mother's Eyes.

Senator Gallinger was talking about certain shipping reforms that he has in mind.

"These reforms," he said, "would be made easily, would be made at once—were not human nature the same in shipping circles as it is all the world over.

"By that I mean that the people in the wrong always think themselves in the right. They always think the other side is in the wrong. They are like a Concord woman whose son enlisted for the Spanish-American war.

"Her son, a raw recruit, was naturally awkward at first. He was, in fact, the most awkward youth in his squad. Nevertheless, his mother, regarding him as he marched away, amid music and waving flags, could hardly admire enough his military grace and skill.

"Oh," she said, "look, look! They're all out of step but our Jim!" —Hartford Courant.



Simpson-Eddystone Black & Whites

The color will positively not fade or run in dresses made from them. This, with the excellent quality of material and beauty of designs, makes them extremely serviceable and durable.

Ask your dealer for Simpson-Eddystone Black & Whites.

Three generations of Simpsons have made Simpson Prints.

The Eddystone Mfg Co (Sole Makers) Philadelphia



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This is the best range that money can buy—we KNOW it, so will YOU after you have examined and used it in your own home. We do not ask you to send us one cent. We want you to let us ship you this range on

30 Days Free Trial

Set it up in your own home and put it to EVERY POSSIBLE TEST for 30 days. Test it for economy in retaining heat, for soundness and durability; for quick, reliable cooking, roasting and baking; test it in ANY WAY YOU CHOOSE to convince yourself that it is just as represented and that we can save you from \$5 to \$35 on your purchase and give you better goods than you can obtain anywhere else. We have our own big factory for supplying our ever increasing trade. Every stove and range which we manufacture is not only sent on 30 days free trial anywhere in America but is

GUARANTEED FOR FIVE YEARS

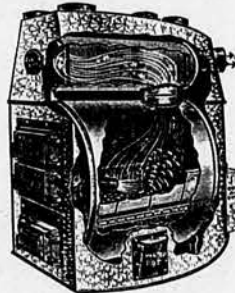
Has Oven Thermometer For Regulating Heat. Save the profits of jobber, dealer and agent by buying DIRECT FROM MANUFACTURERS. Write for our large catalogue and complete information regarding our 30 days free trial offer. Wait until you have had our liberal plan before buying a stove or range of any kind.

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burns
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of fuel.

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Topeka, Kansas

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We keep on hand at all times a full line of BOVEE'S COMPOUND RADIATOR FURNACES, which we erect on short notice. Ask for our list of pleased Kansas customers. Call and see us or write for full particulars about erecting a furnace in your home.

One Way Colonist Rates to Pacific Coast

\$25 from all Kansas points. Tickets on sale daily, September 15 to October 31, 1905. Corresponding reduction from all other points. Los Angeles, San Francisco, Portland, Seattle—choose your route. Stop-overs of five days anywhere west of certain points in Arizona, Nevada or North Dakota, and in California, except at Los Angeles and San Francisco.

You can go through New Mexico, via the El Paso Short Line, or through Colorado, via the Cenic Line. The Rock Island runs through Tourist Pullmans both ways. Write to-day and we will send you our illustrated tourist folder giving details of Rock Island service, with map and full information.

A. M. FULLER, C. P. A.,
Topeka, Kansas,



J. A. STEWART,
General Agent Passenger Department
Kansas City, Mo.

KANSAS FARMER.

Established in 1868.

Published every Thursday by the
KANSAS FARMER CO., - - TOPEKA, KANSASE. B. COWGILL.....President
J. B. McAFEE.....Vice President
D. C. NELLIS.....Secretary and Treasurer**SUBSCRIPTION PRICE: \$1.00 A YEAR**E. B. COWGILL.....Editor
I. D. GRAHAM.....Associate Editor
H. A. HEATH.....Advertising Manager

Entered at the Topeka, Kansas, postoffice as second-class matter.

**ADVERTISING RATES.**

Display advertising, 15 cents per line, agate (fourteen lines to the inch). Continuous orders, run of the paper, \$1.54 per inch per week.

Special reading notices, 25 cents per line.

Business cards or miscellaneous advertisements will be received from reliable advertisers at the rate of \$5.00 per agate line for one year.

Annual cards in the Breeders' Directory, consisting of four lines or less, for \$16.00 per year, including a copy of the Kansas Farmer free. Special rates for displayed live stock advertising.

Special Want Column advertisements, 10 cents per line of seven words per week. Cash with the order. Electros must have metal base.

Objectionable advertisements or orders from unreliable advertisers, when such is known to be the case, will not be accepted at any price.

To insure prompt publication of an advertisement, send cash with the order; however, monthly or quarterly payments may be arranged by parties who are well known to the publishers, or when acceptable references are given.

All advertising intended for the current week should reach this office not later than Monday.

Every advertiser will receive a copy of the paper free, during the publication of the advertisement.

Address all communications to

KANSAS FARMER CO.,
116 West Sixth Ave., Topeka, Kans.

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EDITORIAL.

Arrangements have been about completed for the holding of a number of pure-bred sales at Topeka this fall by the Shawnee Breeders' Association. It is now planned to hold a sale of Duroc-Jersey swine and a sale of Poland-China swine during the first week in November. Consignments for the Duroc sale already give assurance of a large number of good hogs to be offered. The Poland-China offerings are coming in and the prospects are excellent for an equally good sale. It is also planned to hold a sale of Shorthorn cattle at Topeka, by this association, during the latter part of November or early in December. Some of the best breeders in this part of Kansas will contribute to this sale and its success so far as the quality of the offering is concerned, is already assured. These sales will be held at the State fair grounds and will be under cover. Consignors who desire to contribute to either of these sales should communicate with Secretary I. D. Graham, Topeka, at once and send pedigrees of the animals to be sold. This association has made a good start and it is hoped to build up a great sale center at Topeka where animals of all breeds may be disposed of to the mutual advantage of both seller and buyer.

The cards are out announcing the wedding of Prof. R. J. Kinzer of the department of animal husbandry, Kansas State Agricultural College, and Miss Maude Failyer, a graduate of that institution of the class of 1903, and a daughter of ex-Professor George H. Failyer, of the department of chemistry. The wedding occurred on the evening of October 1 at the home of

the bride in Manhattan. Professor Kinzer is a young man in years and comparatively a new citizen of Kansas. In the brief time in which he has been in the Agricultural College, however, he has won an enviable reputation in his profession, and is recognized by the breeders of the State as an authority on live-stock judging. It will be remembered that he trained the team of students who represented the Kansas Agricultural College at the great International Live-Stock Show at Chicago for the first time and won the Spoor Trophy, according to the decision of the judge in charge. We consider him particularly fortunate in having associated with him for life a young lady of such exemplary character and pronounced ability as his helpmeet. In addition to Professor Kinzer's good luck in securing one of the nicest Manhattan girls for his wife, he has recently been promoted to the head of the animal husbandry department of the greatest agricultural college on earth. The KANSAS FARMER joins with thousands of other friends in congratulations.

THE GRAND OLD GUARD.

The following letter is a sample of many similar ones received in our regular mail, and explains why the KANSAS FARMER is such a potent force in affairs of Kansas and the West. The readers of the KANSAS FARMER are the best people in Kansas, and men who have made the State the great Commonwealth it is to-day, and the management is justly proud of having such a grand clientele.

EDITOR KANSAS FARMER:—I send you herewith \$1 to pay subscription to January, 1906. Please acknowledge its receipt.

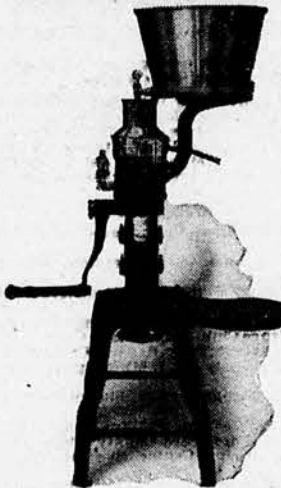
I am so old and crippled up that I very seldom get away from home, but I will try to get you some subscribers if my health permits it. I will be 77 years old on February 8, 1906; and I began subscribing for the KANSAS FARMER in 1876, if I remember rightly, when J. K. Hudson edited it and I have kept it up ever since, except a few years when I got hurt about ten years ago. I can not do without it.

Yours truly, B. P. H.
Arlington, Kans., October 12.

ARTIFICIAL PRICES.

The problem of selling at remunerative prices is scarcely less important than the problem of producing something to sell at minimum cost. In relation to the products of some industries the cost of selling is equal to the cost of production; in some the cost of selling is the principal item. In the earlier days of the last century the farmer's chief concern was that of production. Most of his commodities were worked up and consumed on the farm or were exchanged for others for home use, so that but little was exchanged for money. Modern progress has developed the custom of selling a very large proportion of the products of the farm and buying most of the supplies in a more or less ready-to-use condition. It is to be expected that commercial exchanges of products will receive progressively greater development in the future. The question, then, of getting the best possible price for what he has to sell is one of increasing importance, first, to the farmer, and after him to the dealer to whom the farmer has sold. The problem of buying at the lowest possible price is, on the other hand, important to all in the purchase of supplies. The problem of buying at low and selling again at high prices is the paramount one to another who stands between the producer and consumer and has been, rather appropriately called the "middleman."

Various attempts have been made to eliminate this middleman. But, in the aggregate the middleman is increasing in numbers and importance. His services—the services of the merchant—are essential; they have to be performed by somebody. The producer in general finds that he can not afford to hunt up and sell directly to the consumer, and the consumer finds that he can not afford to hunt up and buy di-

Peerless Cream Separator.

The evolution of the Cream Separator is a topic of vital interest to every farmer and dairyman. Its development into a latter day implement of latter day methods is a showing of the tendency of the times.

There is no safety in being too conservative—neither is there safety in being too careless in the selection of latter day machinery.

All Cream Separators have points of merit—more or less—but it is a time for cool observation and careful determination of the proper course. There is no other way to protect a good name, or to keep a farm from depreciating—to say nothing about making a profit which is the substantial proof of good methods than by using the **PEERLESS CREAM SEPARATOR**.

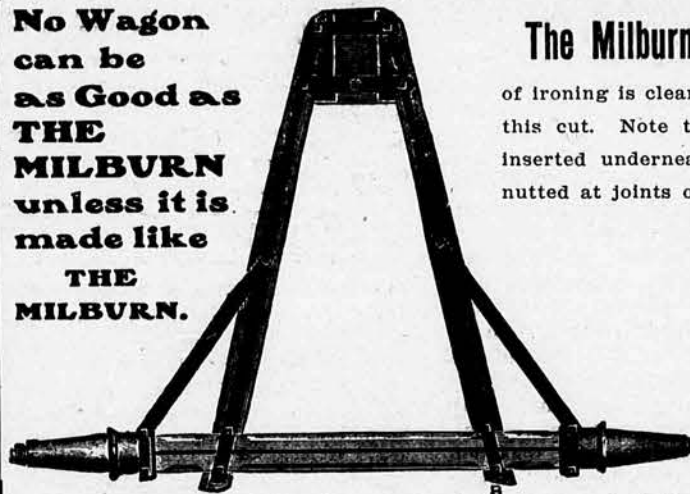
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Bradley Alderson,

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KANSAS CITY, MO.

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as Good as
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MILBURN.**

**The Milburn Method**

of ironing is clearly shown by this cut. Note the steel bar inserted underneath axle and nutted at joints of skeins.

It costs more to build wagons the Milburn way but they run easier, last longer, and carry heavier loads, and are therefore cheaper in the end. If you want a cheap wagon we can't interest you. If you want the best wagon money can buy ask us for catalogue and prices of **The Milburn**.

ROCK ISLAND IMPLEMENT COMPANY,
Kansas City, Mo.

**Great Sale of Prize-Winning
DUROC-JERSEYS
AND
GOOD SHORTHORNS.**

Paola, Kansas, Saturday, October 28th, 1905.

40 Head of Prize-Winning blood—18 good young boars ready for service.
10 tried brood sows and a lot of growthy spring gilts.

12 good Shorthorn cattle, 11 cows and heifers with calves at foot or safe in calf to Glendale Charm 203390, a son of Scotland's Charm 122764. Also 1 choice young bull. Sale begins at 1 o'clock sharp.

Send for catalogue to

J. F. STAADT, Ottawa, Kan.

Col. J. W. Sparks, Marshall, Mo. } Auctioneers.
Buckeye Bill, Paola, Kansas. }

Dispersion Sale

OF

Shorthorns and Polled Durhams,

At Ford, Kans., October 31, 1905.

The offering will consist of 40 head of thoroughbred Shorthorns and Double Standard Polled Durhams, mainly of the latter. The families represented are mainly Young Marys, Floras, Filberts and White Roses. Several of the animals are closely descended from Ottawa Duke. The head of the herd is Ottawa Hawkeye 12738 and X 989. Another double-standard bull is Sir Lancelot Fair 164570 and X 268—and several younger ones of choice breeding.

In addition to the pure-bred cattle there will be fifty head of high-grade cows and heifers bred to thoroughbred bulls and about forty calves. For further particulars address

Nellie Burgan, Ford, Kansas.

WHEN WRITING ADVERTISERS PLEASE MENTION THIS PAPER.

rectly from the producer. On behalf of each of these three classes combinations have been formed for the purpose of affecting or controlling prices. On the part of the producer the effort is to advance prices, on the part of the consumer to depress them, and on the part of the middleman to widen his margin of profit.

In this three-sided contest there is a general recognition of the fact that legitimate price rests upon the relation between supply of and demand for the article in question. In the long run, supply depends upon the relation of price to the cost of production; while demand rests upon the utility of the article as compared with some other that may be used in its stead.

This simple law of supply and demand is, however, subject to many attacks and to at least temporary variations in its effects upon prices. Thus, a large supply may be represented as deficient, or it may be temporarily "cornered," with the result that prices are temporarily advanced. So, too, a normal crop may be represented as above the average, or it may be rushed with undue rapidity upon the market, causing a temporary decline.

Every interference with the even working of supply and demand produces artificial variations in prices. If any producer or class of producers could be the constant beneficiary of artificial prices he might be placed at great advantage over the majority of mankind, but the majority would feel outraged. A pertinent illustration is supplied by the hatred with which the trusts are regarded. This hatred results not from the fact that these great concerns are able to produce more economically than is possible to smaller concerns, but from the fact that they use their great power to artificially depress prices of what they buy and advance prices of what they sell. Those injuriously affected by these artificial prices are at war with the trusts and are not likely to lay down their arms until the trusts have either been compelled to be good or have so repeatedly defeated the people as to make their commercial conquest complete.

Very many schemes are suggested for producing artificially high prices for farm products, especially for such as can be safely stored. Some months ago farmers were urged to hold for

dollar wheat. Possibly some farmers in Kansas have heeded this admonition during the present season. The course of the market has not justified such admonition. The Kansas crop is the first great crop of the season. It reaches the market at the time of greatest depletion of the previous season's supplies, at a time when, normally, the price embraces a year's interest and an allowance for insurance, shrinkage and wastage.

Great alertness is needed in the study of market problems. The difficulty of these problems is augmented by the machinations of persons who desire to work producers for the profit of those who do this kind of working. In general the man who presents his scheme under the plea that he is the gratuitous benefactor of the man who works the soil is to be regarded with caution. Most schemes for artificially affecting prices are primarily for the benefit of the schemers. They often terminate in loss to those for whose benefit the schemers were apparently so solicitous.

AMERICAN ROYAL STOCK SHOW.

(Continued from page 1051.)

of the American Royal was the horse show which has never been equaled at Kansas City and rarely exceeded at any place. The world's best Percheron horses were present. J. W. & J. C. Robison were in the ring with a strong herd headed by their World's Fair prize-winning stallion, Casino; Henry Avery & Son had a string of prize-winners, including the two World's Fair champion mares, Mina and Lena, which have never been beaten as a pair in their lives. J. Crouch & Son, of Lafayette, Ind., and Sedalia, Mo., had a good show of Percherons but were especially strong in the Coach classes, at the head of which stood their world-beater German Coach horse, Hannibal, who is regarded as the best type of his breed in the world and whose portrait we take pleasure in publishing this week. Crouch & Son were also strong in the Belgian classes, where they had to show against Lefebure, of Iowa, who devotes his entire attention to this breed. The most remarkable showing in the American Royal, however, was that made by McLaughlin Bros., who had recently brought over from France a large shipment of Percheron horses, which

included every first-prize winner in the National and district shows of France that was shipped to this country this year. With this wonderful string of horses they attended the Lewis & Clark Exposition where they won every first prize and championship, for which they contested. These same horses were shown at the American Royal, and with their stallions they showed in twenty-two rings and won twenty-two first prizes besides championships. At the evening shows which were held on Tuesday, Thursday, and Friday evenings, at which nothing but horses were shown, the great crowd of 8,000 people showed their appreciation of these magnificent horses by their unbounded enthusiasm. The McLaughlins also won every first prize in the French Coach stallion class. It is a matter of pride to Kansas people to know that McLaughlin Bros' principal interests lie in this State where the greatest number of these magnificent horses are sold. They are now busily engaged in purchasing 200 head of 2-year-old Percheron horses in France.

In all the horse show which has seldom been equaled on this Continent it was admitted by breeders, exhibitors, and visitors alike that Henry Avery & Son, of Wakefield, Kans., have the best string of Percheron mares on this side of the Atlantic.

While the American Royal is distinctively a breeders' show, special efforts have been made, to develop, also, an exhibit of fat and feeding cattle. This resulted this year in a very strong exhibit, most of the prizes for which came to Kansas. It is with special pride that we point to the accomplishment of the Kansas State Agricultural College along this line. In addition to showing the Shorthorn bull, Ravenswood Admiration 186157, in a class of world-beaters which included his own sire, Lavender Viscount, and in which he won seventh place, and the home-bred Shorthorn heifer, College Mary, which took sixth prize in a class of over thirty, the college showed six pure-bred cattle, and won seven prizes and \$165 in cash. Sunflower Lad, a 2-year-old grade Hereford steer, took first premium and sweepstakes in his class, and was pronounced by the judges to be the best steer of his class ever entered at the Kansas City show. The pure-bred year-

ling Shorthorn, Tim, won first prize and the pure-bred Shorthorn calf, Lord Hanna, was given third in his class. The yearling grade Angus steer, Kansas Laddie, also won third in his class. The latter was bred by Chas. E. Sutton, of Russell, Kans., who won first on car-load lots of feeders and whose bulls sired the champion car-load of feeders. The showing made by the Agricultural College at the American Royal where they were obliged to contest with the best the country affords, ought to forever silence those critics who rant about book farming and think that nothing good can come from an agricultural college. We are glad to say that this class of people is very small in Kansas and in numbers rapidly becoming less. It is a matter of some pride to note that the prizes for the exhibits of feeders very largely went to Kansas. All of the prizes in the Galloway feeder classes, the first and sweepstakes in the Herefords, the first in the Shorthorns, the first, second and third in 2-year-old Angus, the first and second in yearling Angus, the first and sweepstakes in Angus calves, and the grand championship, any age or breed, were all awarded to Kansas cattle.

The American Royal of 1905 was one of the great shows of earth. It was a magnificent exhibit of the foundation industry of our country. It was an educational exhibit of incalculable value. The breeder in attendance gained vast funds of information that he will be able to coin into dollars in the next twelvemonth. The business man of the city had his eyes opened to the magnitude of interests of which he had previously but a dim conception. The ordinary visitor was taught, by seeing, that the breeder's art is a real art and that he who succeeds therein is a real artist, who is just as much entitled to a niche in the Temple of Fame as is the painter of a great picture or the composer of a great melody.

In this issue will be found a report of the awards which will tell the story of the battles fought and the glories won by contestants at this, the greatest breeders' show in America.

Application is the price to be paid for mental acquisition. To have the harvest we must first sow the seed.—Bailey.

TWO SALES OF CHAMPION BERKSHIRES.

LORD LEE Sale at "Sunnyside"

Property of Harris & McMahan, Lamine, Mo.

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20 choice boars and gilts by the American Royal Champion,
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10 magnificent LORD LEE sows bred to a son of Lord Premier out of
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Springfield, Ill.; L. E. Frost, or Auctioneers.

Visitors made welcome at Peabody Farm and at Hotel Ming, Marshall.
Marshall is less than an hour's ride from Lamine, via the Missouri Pacific
R. R., and parties attending Harris & McMahan sale can reach Marshall the
evening before my sale.

THE INTERNATIONAL SUNDAY-SCHOOL LESSON.

(Copyright, Davis W. Clark.)

Fourth Quarter. Lesson IV. Ezra III, 10-iv.5. October 22, 1905.

Rebuilding the Temple.

If there was ever a time when the Jews might have felt excused from celebrating the Feast of Tabernacles, this was it. They had well earned a rest after their long and toilsome journey from Babylon. They were just fairly dispersed to their ancestral cities. They were busy building homes and fencing fields. Not to provide for one's own were to be worse than an infidel. Going up to Jerusalem, too, could not fall to excite the suspicion of their hereditary foes. The dread Edomite fortress called, significantly, the Scorpions, must be passed. Then, too, there was no temple on Zion yet, nor so much as an altar, even. All these well-turned arguments could be and probably were used by the conservatives against the call to observe the feast. The gains of the exile are evident in the quick and cheerful obedience on the part of the people to the call of God.

When the feast-time comes the people are in Jerusalem, under leadership of prince and priest. There was nothing in sight to make them joyous. All to the contrary. On that spot, once, gold was as stones and cedar as sycamores. Now there was nothing left but stones and sycamores. Yet in spite of all, a joyous thanksgiving-day is spent amid the ruins. Altar-fires irradiate the night. Blackened walls echo the sweet notes of silver trumpets. Antiphonal choruses, to the accompaniment of clashing cymbals, resound across the moldering mounds.

"O, give thanks unto Jehovah,
For His mercy endureth forever."

How was this triumph over an environment so unfavorable achieved? If they had come separately, one by one, to Zion, its desolation might have overpowered them. But in union there was strength to resist the uncanny gloom of the place. They gather themselves together as one man. They repress all idle and sentimental musings, plunging at once into religious service. They shovel away the debris, find the base, and rear again the altar of burnt sacrifice. They resume the morning and evening ritual—the whole burnt offering, typical of an entire consecration to God. Thus they are able to observe their National thanksgiving-day in spite of the unfriendliest of environments.

They go from strength to strength, every one of them in Zion. They find themselves heartened even to undertake the gigantic task of rebuilding the temple. They give out the contracts, and set forward the workmen in the house of God. Soon there is rejoicing over the completion of the foundation. Trumpet and cymbal responsive choirs, and the loud acclaim of all the people make a praiseful torrent that breaks in joyous reverberation upon the Judean hills afar.

Just at this juncture a subtle and capital crisis occurs. The Samaritans, apparently in good faith, proffer aid and beg the privilege of cooperation in building the temple. It was an ancient and real case of "tainted money." It was a covert effort to infuse a heathen spirit. If it had succeeded the history of Judah from this date onward would certainly have to be rewritten. The Samaritans were a mongrel people with a mongrel creed. Their admission as a recognized and constituent element in the Hebrew Church would have lowered its tone and eclipsed its faith.

Zerubbabel, an ever-living hero, stood out against the proposition in forceful and uncompromising attitude. His words may well be coned in these days when the mush of concession is a favorite article upon the ecclesiastical menu. "Ye have nothing to do with us to build an house unto our God." The Hebrew prince also showed a noble disposition to keep strict faith with the king, who had made the rebuilding of the temple possible. There was no provisions in the decree of Cyrus for the cooperation of the Samaritans in this enterprise. Zerubbabel was deter-

mined that the undertaking should go forward as "Cyrus, the king of Persia, had commended," although he could foresee the petty annoyance and delay which would come of his decision.

The Teacher's Lantern.

It is evidence of the Divinity of religion that it makes one superior to his environment. It makes a thanksgiving-day amid ruins possible. In a world where we are ever subject to the loss of friends and property, a religion that can keep one serene in mind, and even suffuse a quiet joy, is a religion exactly suited to human need.

The foundation of the old altar was diligently sought for in the debris. This was done that there might be a standing witness that the religion the exiles brought, with them from from Babylon was the same old faith of the fathers.

A place for congregational worship is indispensable. Out of the material Zion of brick and mortar God shines. He who builds or rebuilds a house for God does one of the noblest possible things.

The lower semi-tone raised by those who remembered the first house and saw the inevitable disparity was natural. Even Herod's luxurious garniture could not compensate for the absence of the ark, the temple's very heart. In this plain and ill-furnished sanctuary God would fain lead His people from symbol to substance.

Haggai and Zechariah were the patriotic leaders of the day, encouraging the people in a task, humanly speaking, far beyond the means at their command.

"The people shouted with a great shout." This was not on the program. It was a spontaneous amen injected into the ritual. There is a healthful

sufferance and genuine expression of approval on the contrary.

The old wept because of this disparity. The young shouted because a new era was opening. The narrative is true to Oriental demonstrativeness.

The benefits of the exile were purification of worship, exaltation of the Scripture, rise of sacred music, religious and political independence. Such

gains were worth seventy years of exile.

Age of baby, about two years. Having been told that God saw everything he did and always knew when he ran away, one day finding his little dog following him, he turned around, stamped his foot, and said, "Major, do back; it's bad enuf to have Dod follow you, 'thout puppy dogs."—The Modern Priscilla.

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.

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Miscellany

LOOK TO THE WEST FOR HOMES.

Great Opportunities for the Weary
Wage Earner on Irrigated Tracts
in the West.

BY D. H. ANDERSON, EDITOR IRRIGATION
AGE, CHICAGO.

(Continued from last week.)

Whether irrigation may be defined as a science, an art, or a practice, depends upon the standpoint from which the subject is considered. However, it may be regarded it is no longer a theory or a circumstance, but a condition of such importance that it has not only established itself between the covers of the statute book, but molded about itself the very politics of many of the States. In some respects it has laid the lines of a new jurisprudence, and, innovating the ancient and time-honored common law traditions and precedents, it has achieved its own processes of adjudication.

Distinctively a Western idea and of Western origin, it is astonishing its most sanguine advocates by invading the dense prejudice of the extreme East and we read of irrigation undertakings in New England, New York and Florida. These efforts, though they may be upon a small scale, signify an implied recognition of irrigation as a valuable aid to agriculture even in humid quarters.

The Annual Irrigation Congress which will convene at Portland, Ore., August 20 to 24, of this year, is in a measure indicative of the prominence of this subject in the public mind. The purpose of these meetings appears to be partly to arouse popular interest, but chiefly through public discussion to gather as much light and information upon the various questions relating to this subject as is possible. It is light upon the manifold complications and perplexities arising out of the readjustments of new social and industrial conditions to old ideas that statesmen and thinkers are searching for, and it is light on the manner of harmonizing new principles and doctrines to old laws and precedents that the lawyers most desire. Philanthropists are interested in the relation these questions sustain to social economies. Financiers and capitalists are eager for information on the questions of security and profit as afforded by this new field of investment. Engineers are seeking for light and information on these subjects as they relate to largest utilization of the natural resources and questions of applied sciences and skill in matters of construction and practice. So we see this many-sided question serves a diversity of interests and the plan of conven-

ing these interests and the gathering of representative men for the interchange of ideas and opinions appears to be wise and commendable and it is to be hoped that it will result in much good to the cause of irrigation.

Irrigation is evolved along the lines of individual and cooperative effort. In all its succeeding stages it fell into the hands of corporations, those vicarious institutions that are resorted to in this glorious land of ours, in lieu of paternalism. In other countries the Governments are the patrons of irrigation development. It remains to be seen whether the future of irrigation can be successfully met by the corporation or by the Government acting through the Reclamation Bureau.

While an irrigation enterprise may be either a success or a failure financially, it is nearly always a source of gain to the commonwealth. The benefit accrues to the community rather than to the investor, whatever the investor's profit may be, as increased population and some increment to the general wealth is bound to follow every effort of reclamation. The fact is so obvious that irrigation development has been recognized in other countries as the peculiar charge and province of the Government, and it is a sentiment that irrigation works and projects would be committed directly to the trust and responsibility of the benefited communities, that has found expression in many ways in our country. Much is to be expected in the way of assistance to the development of the West by the management of the different railway lines traversing the West, and prospective settlers should communicate with the land departments of these different lines where reliable information may be secured. In arranging to prepare this series of articles the writer came in contact with Mr. Thomas Cooper, land commissioner of the Northern Pacific Railway, St. Paul, Minn., from whom many valuable pointers were obtained.

As an illustration of what can be accomplished by the cultivation of a small tract of land properly irrigated, we will call the attention of our readers to a crop produced during the season of 1904 by a Mrs. Snively on four acres of land near North Yakima, Wash. On this small tract of land were produced forty boxes of apples, five tons of prunes, one ton of tomatoes, 1½ ton of grapes, four barrels of cider, \$15 worth of vinegar, \$60 worth of cherries, \$75 worth of pears, \$20 worth of asparagus.

In harvesting this crop Mrs. Snively employed one man continually and an extra man for two months.

Without definite knowledge of the value of the different items, it would be difficult to give the exact value of the combined crop, but from \$1,200 to \$1,600 would not be far out of the way; thus it will be seen that, deducting wages and water fees, a handsome profit was obtained. It is safe to say that the original investment in land, a home, farming utensils, etc., could not have exceeded \$2,000, possibly not over \$1,000; hence it is evident that an income sufficient to support a family of four or more was produced from only four acres.

The Yakima Valley stands preeminent in the arid West for the plentitude of its water supply. This valley has the reputation and shows by results that it is as well, or better adapted, for the successful culture of deciduous fruits than any other part of the West. It is now the largest producer of such fruits on the Pacific Coast and each year Yakima farmers are planting additional trees, it being estimated that fully 100,000 new trees have been set out during the past twelve months.

Two Irishmen, journeying on a train were suddenly awakened by a tremendous shock, which proved to be a collision. One, in his excitement, put on his trousers hind side before. In discussing the accident after reaching a place of safety, Mike said, "Pat, be ye hurt?" "No," said Pat, looking down, "Sure, I am not hurt, but I must have received an awful twist."

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Sectional View of Handle Showing Grellner Wedge.

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In the Dairy

The Care of the In-Coming Heifer.

After long years of experience with cows, my mind is firmly fixed upon October as the best month for a heifer to drop her first calf. In the first place, pastures are usually good after the autumn rains begin, and the heifer will, without any additional feed, be in fine condition for calving. She goes into winter quarters in full flow of milk, and with intelligent care and feeding will sustain this even better than she would do in summer. Then when she begins to fall comes the stimulus of spring pasture and the heifer is kept giving milk until time for her to freshen again.

On the other hand, if she freshens in spring she is beginning to fall at the approach of winter. Dry feed may sustain a milk flow; it may in some cases with a liberal grain ration increase it to a certain extent; but the chances are ten to one that the animal freshening in the spring goes dry sooner than the one freshening in the fall; and we want the first year of lactation marked with as long a period as possible, since this, to a great degree, decides what shall be future periods of lactation, whether long or short.

The incoming heifer ought to be 2 years old. I do not believe it necessary that she be any over that. Some of my best cows came fresh at 18 months, but that is too young. It is not wise to make a practice of that and the cases cited were not arranged to be so, but accidentally permitted. However, I can see no ill effect from it in these animals themselves. If continued with succeeding generations it would no doubt impair the constitutional vigor.

I am a firm believer in the no-bag no-cow theory, and can generally tell whether a heifer has the making of a good milker before she has a calf. The udder should be of good size and well developed. Some of my heifers have had very inferior udders and some have measured 38 to 40 inches. One grade Jersey which developed into a number-one cow, measured 45 inches around the udder the day she dropped her first calf.

To develop a heifer, good food is necessary. If on pasture and she does not begin to make bag perceptibly as the time approaches, give ground oats, wheat bran or oil-meal. These will keep her bowels in good condition, and ought to assist in developing the udder. Generous feeding is money well invested, and will be repaid with interest.

Heifers that are coming in should be running with the regular herd for a

couple of months before they are due to calve and have become accustomed to stabling and handling. It makes a great deal of difference in her manner of accepting the inevitable milking which is to follow, if she is handled carefully and gently beforehand. She loses the shyness of the preceding months and learns to accustom herself to the associations of the stable.

A wild, panicky animal, afraid of every one who comes near, is very difficult to manage when her calf comes. It left to run in the woodlot or back pastures up to the very last day, we can expect nothing different, since everything is new and strange to her.

Of all the years when effort should be put forth to create a good flow of milk, the first is of most importance. Intelligence is necessary lest the heifer get too fat, but she should be kept at greatest production and the flow prolonged a full year if possible. For this reason breeding may well be delayed a few months so the second year she will freshen a little later.

Test the milk to ascertain its richness, for the per cent of fat will not materially change one year with another. Test it first when she is fresh, again in three months, following with others through the year; then if the average is not above 4 per cent butter-fat she will have to give more than the average amount of milk in order to become a very profitable cow.

A man can raise better cows than he can buy unless he has a very large sum of money at his disposal, but when grading up a herd it does not pay to keep any but the best. Some heifers tell plainly the first year whether or not they are going to make good cows. If there is anything encouraging, keep the animal a second year. If not up to the standard then, it is useless to waste time and feed upon her, for it costs exactly as much to keep an inferior animal as a good one.—W. C. R., in Jersey Bulletin.

Dairying in Utah.

Prof. O. Erf, Manhattan, Kans., who has just returned from the Utah State Fair, where he has been judging dairy cattle and butter and cheese, reports a great interest in that community in the dairy business. There were 56 entries for dairy cattle, as compared with 18 of the beef breeds. A very nice display of butter and cheese was made at the fair. While there, he also attended the Utah State Dairymen's Convention, which was held at Richmond. Richmond is located in the Cache Valley. This is one of the richest valleys in the State. It is 50 miles long and 10 miles wide. The farming is all done by irrigation, and in small tracts. This is probably the greatest dairy country in the West. There are 24 creameries in this valley, 11

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Hours run.....	1,200
Pounds separated.....	1,080,000
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Time adjusting.....	None
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43 Years' Work—75¢ Repairs

Hours run.....	2,150
Pounds separated.....	1,935,000
Turns of crank.....	5,652,070
Turns of bowl.....	1,864,000,000
Oil used.....	5½ quarts
Time oiling.....	About 7 min.
Time adjusting.....	10 min.
Repairs.....	75 cents

After 24 weeks, the balls in the frictionless bearing supporting the bowl showed wear. This was natural, for each had rolled over 33,000 miles. Renewing balls cost only 75 cents and ten minutes adjusting, yet made this Tubular as good as new. All Tubulars are equally durable. Catalogue P-165 tells about them. Write for it today.

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cheese-factories and two milk-condenseries. It has been estimated that over 250,000 pounds of milk is produced in this valley every day.

Mottled Butter.

Circular No. 56 of the U. S. Department of Agriculture contains a discussion of the prevalence, cause and remedy of mottled butter. The defect shows in the lack of uniformity of color. When a lump of butter is cut so as to show a broad, smooth surface, the mottling appears in spots, streaks or blotches. The defect is of sufficient importance to place the mottled butter in the second grade in all large markets. The causes of the mottling are, first, particles of curd, differing in size, incorporated in the butter, and second, an uneven distribution of salt. The specks of curd most often occur when the butter is made from cream too thin and allowed to ripen without being stirred, or becoming over-ripe and not strained. The cream being churned under these conditions, lumps of coagulated cream are incorporated in the butter, and as casein does not take the butter color, the result is a product full of white specks. Trouble of this nature may be obviated by washing the butter twice in a weak brine after the buttermilk is thoroughly drained off. After the last washing, instead of draining the brine from the butter, the butter should be dipped out of the brine with a wire sieve;

the specks of curd, being heavier than butter or water will have sunk to the bottom of the churn. The most frequent cause of the defect, however, is the uneven distribution of salts. When the wash-water is cooler than the butter it causes the exterior granules to harden and prevent an equal absorption of the salt. When thin cream is churned at a low temperature, the butter usually comes in round, shot-like granules which resist the even distribution of salt. In conclusion the writer says: "Mottles may be prevented by avoiding high temperatures in ripening cream by frequent stirring during ripening, by straining the ripened cream into the churn, by avoiding exposure of the butter to temperature too low while in granular form and by working the butter sufficiently to cause an equal distribution of the salt."—Exchange.

National Dairy Show.

The forthcoming National Dairy Show to be held in a few months in Chicago, is attracting the attention of many of our readers.

The possibilities of a show of this kind for good and practical benefits to those engaged in it and those who visit it are boundless.

There is not a home in the width or breadth of the land but that is, in some way, interested in some branch of the industry either as a consumer of the dairy products or as a user of



SPECIAL

OFFER, features and points of superiority found only in the SIMPLEST CREAM SEPARATOR the LOW DOWN DAVIS, with the simple three piece bowl, gearing and a low down supply tank, so constructed that there is no splashing or spilling of milk when filling. All the result of TWENTY YEARS experience in separator making and the thought of the Nine Davis Brothers, and a dozen other good points not found on other machines, with a photo of all, explained in our Dairy book. Send today for book 15 and our special introductory offer. DAVIS CREAM SEPARATOR CO. 56-60 N. Clinton St. CHICAGO, ILL.

THE CLEVELAND

is the only Ball Bearing Separator. No other can run so easy. You can try it at your home without any expense or obligation to buy. Send for the new free catalogue.

THE CLEVELAND CREAM SEPARATOR CO.,
34 Michigan St., Cleveland, Ohio.



READ THIS AFFIDAVIT

DUNDEE, OREGON
 "This U. S. Separator has been in use for the past nine years, and in that length of time the entire cost of extras, which consisted of three rubber rings, amounted to 45c.
 "I separated with this machine today (June 20) and it did first class work. (Signed) W. H. TAYLOR."
 Subscribed and sworn to before J. C. Colcord, Notary Public for Oregon, June 24, 1905.

U. S. Cream Separators

Hold World's Record for Close Skimming, and are the most durable separators made. Actual work for many years in every-day service gives an "endurance test" that really proves something. The U. S. will make the most money for you with least trouble and expense. Investigation costs you nothing. Send for free catalogue, No. 550-D, showing you plainly by illustration and complete description why U. S. Separators not only skim closest but also

WEAR THE LONGEST

VERMONT FARM MACHINE CO., Bellows Falls, Vt.
 18 Distributing Warehouses throughout the United States and Canada.

the many manufactured articles from the by-products.

That the public is appreciating and taking advantage of the opportunities offered to learn of and advance one of our grandest industries, is fully attested, and is gratifying to those having the enterprise in charge, by the rush for space in which to show, in some form, the many products of the dairy. Although the building in which the show is to be held is the largest and finest of anything of the kind in America, the space is already fully two-thirds taken with the dates for opening five months away. Already arrangements are being made to use the gallery space for exhibition purposes, something that was not contemplated in the start.

It is no longer a question with the management about having all the space fully occupied; but it is a question of sifting out and admitting only those whose exhibits are meritorious and will be beneficial and instructive to the visitors and consumers of dairy products.

As said before, it presents one of the greatest opportunities ever offered for placing before the consuming public and showing the purity, digestibility and in every way beneficial effects of the consumption of dairy products in place of cheap, deleterious substitutes.

It presents an opportunity never before equalled for the dairyman, the man who milks the cow, to come and receive instruction such as he could not receive in a lifetime of study on the farm.

This feature of direct interest to dairymen is to be no small end of the show but one of the main features.

Already has assurance been given that 150 cows, the best of their respective breeds, will be on exhibition and engaged in an actual test to demonstrate their superiority as dairy animals.

Not only is the very best of everything in this country going to be assembled here for the edification and instruction of visitors, but arrangements are being made to bring from Europe the best and newest ideas and mechanical devices used in the manufacturing of dairy products.

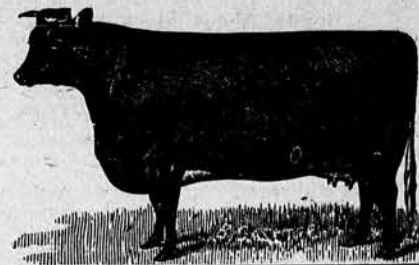
Labor Union and Farmers.

EDITOR KANSAS FARMER:—I saw in a recent KANSAS FARMER, a write-up by C. W. Post, President National Industrial Association, New York, headed, "Labor Unions vs. Farmers." He says it would be a mistake for a farmer to join issue with any labor union. He says: "The principle underlying labor organizations is to increase wages as much as possible. Admitting that this object is beneficial to the laboring man, and personally I am strongly in sympathy with that object, governed by reason and common sense, it must be seen that every dollar added to the wages of working men, adds to the cost of everything the farmer buys. For instance, the farmer wants a wagon, the cost starts with the men who cut the lumber. If by organized unions the wages are raised so much per day on the work, the increase must be paid by the farmer." Also, he says, the increase in wages of the blacksmiths, painters, and finishers of the product, whether it be wagon, plow, harrow or binder, must be paid by the farmer.

We farmers take all of these things for granted, Mr. Post. But there are two sides to the proposition. In the first place, Mr. Post, allow me to inform you that the farmer is a laboring man, too. Yea, verily! we labor from twelve to sixteen hours out of the twenty-four; and we have learned, too, that when the laboring man is employed at high wages it enables him to consume more of our products, thereby creating a demand and increasing the price of farm products. Now, Mr. Post, we need to buy a wagon only every eight or ten years, while we sell our products every day in the year. Oh, we are not all chumps—we farmers! I bought a wagon in the sixties for which I paid \$112. I bought one a few years ago for \$65. I paid for the \$112-wagon with \$1.50 wheat. I paid for the \$65-wagon with forty- and fifty-cent wheat. Now, Mr. Post, which wagon was the cheaper? It took about the same amount of labor to raise and care for the \$1.50 wheat, that it did for the forty- and fifty-cent wheat.

Mr. Post must think us farmers are a lot of ignoramuses.

Sedgwick County. A. J. GILLESPIE.



Wonderful Doings

at the Stock Yards

The wondrous activity and business dispatch met with at the Union Stock Yards, Chicago, are a source of amazement to all visitors who are told that often 65,000 animals are unloaded and disposed of there in one day. Every farmer cannot visit this live stock center, but the editor of

Blooded Stock

—that hustling stock and farm paper—has arranged to bring the Stock Yards to his readers. Manager Skinner of the International Live Stock Association will contribute a very comprehensive article on the Stock Yards, exclusively for the entire October issue of Blooded Stock. This article will be illustrated and will deal with the Stock Yards as the great international center where prices and standards are made. Be sure to subscribe. 25c a year is mighty small. Anybody can afford 25c. The November number of Blooded Stock will be devoted to Beef Breeds and Shorthorns. Blooded Stock, Box 228, Oxford, Pa.

Los Angeles, San Diego, San Francisco

And Many Other California Points

EVERY DAY FOR \$25.00



Via

Cheap, isn't it? Passengers get just as good service at this low rate as they do when rates are higher. Fast trains, modern Pullman tourist sleepers, free chair cars and comfortable day coaches. California trains leave Topeka at 1.25 p. m. and 10 p. m. Liberal stopovers in California and at many points en route. You can buy a ticket to Salt River Valley and many other points in Arizona for same price. Santa Fe is line with block signals, rock ballasted track, modern equipment, Harvey meals and fast trains. The very best people always use Santa Fe. Further particulars on request.

T. L. KING, Agt.

The Atchison, Topeka & Santa Fe Ry. Co.,
 Topeka, Kans.

TO THOSE WHO DAIRY FOR PROFIT:

ARE YOU PERFECTLY SATISFIED?

Are you getting the highest price for your cream, or do you know?

Do you remember your surprise at the sudden jump in the price of butter fat a few years ago?

Do you remember that the cause of this was the **SYSTEM WE INAUGURATED?**

We are still on the same system, and with each succeeding day our facilities are improved, we can handle the raw material cheaper and we have a better market. The benefit from this is yours.

Write us and let us help you. Ship us a can of Cream and get all there is in it.

Special Offer: While They Last We Will Sell You

A Good 300 lb. an hour Separator for \$50

A Good 500 lb. an hour Separator for \$70

A Cheap Separator for \$20

A First Class \$10 Separator Foot Power for \$6.00

If this offer is attractive, you had better write at once.

Yours respectfully,

BLUE VALLEY CREAMERY CO.,

ST. JOSEPH, MISSOURI.

Gossip About Stock.

C. W. Taylor, Enterprise, Dickinson County, Kansas, has a new advertisement of his Duroc-Jersey swine, in which he offers for ready sale 30 well-grown spring boars and 55 spring gilts, sired by the herd boars Pearl Wonder 31393, Cherry Boy 31395, and Wichita Prince 28209.

We are in receipt of the sale catalogue of Duroc-Jersey swine to be held at the G. A. Newton farm by Newton Bros., Whiting, Kans., on October 26. This firm has been one of the active and successful firms that have produced a class of stock that has sold well and made money for the purchaser, and an exceptionally good line of stock is included in this sale, notably a lot of aged sows which are sold because it is necessary to make some imperative changes. Intending purchasers will do well to write for this catalogue, mentioning the Kansas Farmer.

The attention of our readers is called to the advertisement of Highpoint Stock Farm, owned by J. R. Ebert, Hunnewell, Kans., a breeder of O. I. C., Duroc-Jersey and Poland-China swine and fine poultry. He reports that he has a number of fine fall pigs of each breed that are very desirable and among recent sales made we note one Duroc-Jersey to Walter Davis, Cooper, Tex.; an O. I. C. sow to Wm. Wertzberger, Alma, Kans.; an O. I. C. gilt to H. T. Rice, Monte Vista, Colo., and three O. I. C. pigs to Chas. Dyer, Mexico.

The Belleville Combination sale of Poland-Chinas will contain tops of 16 Kansas and Nebraska herds, representing such herd boars as U. C. Perfection, Keep On's Image, Guy Hadley, Col. Sunshine, Over Chief, Park's Teumseh, Little Mc., B. B. Perfection, Belleville Chief, Grand Chief, etc. Get a catalogue by addressing J. J. Ward, Belleville. Attend the sale or authorize some one to bid for you if that is impossible. Date: October 24. Place: Belleville, Kans. L. D. Arnold, of the Kansas Farmer, will gladly and carefully carry out your wishes if intrusted to his care.

We direct special attention to the public sale of Klaus Bros., Bendena, Kans., to be held at their farm, Monday, October 30, 1905. The offering is very desirable and has a number of attractive things for discriminating buyers. Sixty Poland-Chinas are scheduled for this sale, comprising 5 yearling boars, 10 yearling gilts, 25 spring boars and spring gilts, get of such sires as Hadley's Pride, Perfection, Yet and Perfect Corrector. In addition to the swine, 4 registered Hereford bulls, the get of Hesold 87th, will be offered for sale. Parties attending sale will be met at all Rock Island trains on the 30th inst. Bids sent to Col. J. W. Sparks, auctioneer, care of Klaus Bros., will be handled with care.

M. C. Vansell, Muscotah, Kans., will hold his annual sale of 60 Poland-Chinas and 8 pure-bred Shorthorn bulls at his farm north of Muscotah, on Monday, October 30. The Poland-China offering will include 24 spring boars, 35 spring gilts of early farrow and one yearling boar. Most of them were sired by his great herd boar, Rival Perfection 30261, and the balance by the other herd boars. Mr. Vansell has long been known as a breeder of good Poland-Chinas and his sales are events always worth attendance. The farmer or breeder who needs some money-making young stock should bear this date in mind and be sure to be present. The bulls in his offering are the sons of his Scotch bull, Clipper Chief 174514, and their dams are of the best of Shorthorn families. Free conveyance will be furnished to and from the farm to buyers from a distance. Mail bids may be sent to Col. J. W. Sparks. Catalogues and other information will be furnished by the owner, Mr. M. C. Vansell, Muscotah, Kans.

George W. Null, of Odessa, Mo., makes his annual sale on November 1, 1905, selling 65 head in all. Twenty fashionably bred sows are bred to his herd boar, Radium, by Grand Chief and Null's Top Chief, by Missouri's Top Chief and out of Anderson's Model. Among the bred sows is a very choice gilt out of Perfection Grand by Keep On that will be bred to Radium, also two daughters of Old Chief Perfection 2d, bred to Radium, also 3 daughters of Model Perfection by Unique. This has been an exceptionally good cross and a number of good breeders will certainly want one or more of these sows. The other bred sows and gilts are of good breeding and are bred either to Radium or Null's Top Chief. In the offering of spring pigs are 3 boars and 3 gilts of a litter by Radium and out of Missouri's White Face by Missouri's Chief I Am. The balance of the offering are spring and summer pigs of either sex and serviceable boars, a number of them grandsons and granddaughters of the famous \$1,575 sow, Anderson's Model. Write at once for a catalogue, mentioning the Kansas Farmer. If you can not attend the sale send bids either to auctioneers or Mr. Null in person, and they will be personally handled.

*J. B. Davis in referring to his annual sale of Duroc-Jerseys to be held at his farm October 25, 1905, at Fairview, Kans., says: "I do not wish to make a long essay on the merits of the Duroc breed, for it has demonstrated

its value as a pork hog and as a rustler, and breeders' all-around money-maker. Nor do I think best to say here that we have all the good hogs in the breed, at the same time I feel like thanking my customers and friends for the encouragement they have given me by their presence at my annual sales and their appreciation of the effort I have made to raise and keep the type of Durocs that not only produce large litters of pigs but also give a good account of themselves as sucklers and feeders. We can not follow the type of the show-yard winner every year for we notice that each judge at our fairs has his fancy and we could make no advancement or improvement unless we have an ideal of our own and when we have attained to what a few years ago I do believe was the ideal of to-day has not been reached but we are always trying to produce something nearer to perfection. So we must say that while we believe we are offering good individuals in this sale, and individuals of good breeding, we do not claim that they are perfect—we haven't fed them for pork, so they are not fat, only in good breeding order and our good will goes with every animal sold."

Honeyman's Poland-China Sale.

The breeders combination Poland-China sale of W. J. Honeyman and others, at Madison, Kans., November 1, promises to be the great hog sale of Central Kansas. The advertisement may be found in another column. Read it carefully. Then think when you have had such an opportunity before of buying blue-blooded Poland-China swine, right at home. These hogs have been selected from the best herds of several States and represent blood from the world's greatest breeding and show hogs. The mention of C. P. 2d, Keep On, Corrector, Predominator, Truant Boy and others, is a sufficient guarantee of the quality. You save express and traveling expenses by buying here instead of going or sending to Missouri or Illinois for your herd-headers and choice females. Write Mr. Honeyman for a catalogue and arrange to be on hand sale day.

Two Great Berkshire Sales.

Perhaps the two best Berkshire sales of the year will be held on Tuesday, October 31, and Wednesday, November 1, as advertised this week.

Harris & McMahan, Lamine, Mo., sell 50 head of Lord Lee gilts, sows and boars and as Lord Lee is one of the greatest Berkshire sires in the world, this offering is really sensational. Lord Lee is the grand champion of the American Royal of 1902, and a wonderful breeder. One great attraction is two show sows by the \$7,000 Masterpiece, bred to Lord Lee and 10 show sows by Lord Lee, bred to a son of Lord Premier out of Duchess 254, first prize-winner at the St. Louis World's Fair in Mr. Gentry's herd. This is extremely popular breeding and the animals to be sold are worthy of their grand breeding.

On the next day, Wednesday, November 1, Mr. June King will sell at his home place, Feabody Farm, 5 1/4 miles south of Marshall, Mo., and visitors can attend both sales, as Lamine is less than an hour's ride from Marshall.

Mr. King was the second largest Missouri winner in competition with nine of Missouri's best herds and third in open competition with the world, at the World's Fair. He offers a magnificent lot of boars, gilts and bred sows, either by or bred to his World's Fair winning boars, Premier Duke and Artful Premier.

Premier Duke is bred exactly like the grand champion, Premier Longfellow, and both he and Artful Premier, who is by Lord Premier out of the great sow, Artful Belle 24, were prize-winners at the World's Fair. These boars are great in breeding and great show boars, but greater still as breeders. Mr. King will sell a grand lot of Berkshires and we trust our readers will arrange to attend both of these great sales.

Catalogues ready and will be sent on application.

A New Galloway Bull for Kansas.

During the American Royal sale of Galloways which occurred on Thursday, October 12, George M. Kellam & Son, of Richland, Kans., bought a bull to bring to Kansas that is a remarkable addition to the breed in this State. This bull is Starlight 2d of Tarbroech 24473. He was bred by J. Cunningham, Tarbroech, Dalbeattie, Scotland. He was sired by Starlight of Thornhill 23534 (8550), by the Earl of Sanguhar (5459), out of Cecilia (14933), by Trochuain of Ringour (5549). His dam is Miss Dollie 2d of Tarbroech 23475 (17059), by Exquisite (7112), out of Dolly 8th of Tarbroech (10415), by Scottish Borderer (669). This bull is very large of his age, but possesses plenty of quality. His dam was a sister of the great show cow, Baroness of Tarbroech, the World's Fair prize-winner. The Kellams have always used heavy bulls in their herd and believe that weight is a good quality provided other essentials are present. In the past they have used such bulls as King Jacob 428, weight 1900; Dour of Dyke 6252, weight 2000; Bob Henry 11298, weight 1800; Don of Dyke Creek 13602, weight 1980; Arno the Great 15502, weight 1700, and the present herd bull, Decoy of Wavertree 17094, weight 1800. Starlight 2d of Tarbroech was calved March 4, 1904, and will be used in the splendid herd belonging to the Messrs.

Shorthorn and Herford Cattle

AT BLACKWELL, OKLA., NOV. 11, 1905.

40 Shorthorns, J. P. Cornelius, Braman, Okla., sells 6 young bulls, 3 cows and 6 heifers from his Fairholme Herd; T. E. Kanfold, Blackwell, Okla., 3 yearling bulls, the Cruickshank Herd Bull, 188th Duke of Wildwood, and 12 cows and heifers from Glendale Herd; Chas. Cornelius, Blackwell, Okla., 3 young bulls and 1 heifer; Richard Farrah, 1 young bull; Henry Burline, Caldwell, Kans., 2 young bulls; W. A. Jeffries, Blackwell, Okla., 1 young bull; Grant Shoemaker, Braman, Okla., 1 young bull. 16 Herefords, 8 cows and heifers and 8 young bulls; G. L. Rheinhardt, Hunnewell, Kans., 1 cow, 4 heifers, and 5 bulls; Thomas Brothers, Tonkawa, Okla., 2 heifers and 2 bulls; A. S. Gilbert, Ponca City, 1 bull.

Auctioneers: Lafe Burger, Wellington; John D. Snyder, Winfield, Kans.; Al Savage, Blackwell.

Send to

J. K. Cornelius, Braman, Okla., for Catalogue.

Annual Sale

40 Duroc-Jersey Hogs

FAIRVIEW, KANSAS,

October 25, 1905.

The offering includes 40 head, 34 boars and 10 gilts. Of the boars 2 are fall yearlings sired by Onward. The others are spring pigs sired by Shamrock 20559, the winner of first and grand champion at the Kansas City Royal show in 1904. Eight are sired by Ferdinand 24361 and out of Onward sows. A few were sired by Monarch 28395, a full sister to Ohio Chief, the great show sire. The dams of this offering are of equally good breeding, as they trace to the most noted strains of Duroc-Jersey blood.

One small show-herd this year won three firsts and three seconds at the Brown County Fair and at the State Fair at Topeka won first on boar under 1 year, first on young herd, and second on yearling boar and also under 18 months. We also won first on the Swift's Special for best pen of three fat barrows, which shows that our stock were winners in the fat stock as well as breeders' ring.

Fairview is situated on the Rock Island Railroad, about fifty-nine miles northwest of St. Joseph on the Horton-Fairbury branch. Trains arrive from the east at 11.40 a. m. and from the west at 4.40 p. m. Parties from the east can leave home in the morning, attend the sale and return home the same day. Sale will be positive rain or shine and held under cover. We offer liberal terms to those who wish time, and any one wishing to send bids by mail, wire, or telephone will be treated fairly and not misused. For further particulars or catalogue address

J. B. Davis, Fairview, Kans.

Auctioneers: Col. Jas. G. McCulloch and Eli Zimmerman.

SCHOOLEY'S

PREDOMINATOR SALE

At Archie, Missouri,

October 24th, 1905.

Predominator 27480 was champion at Missouri State Fair, 1902. I owned him for two years and this sale comprises the cream of his get during that time.

I bred, fed and showed Nonpareil, the champion at Missouri State Fair, 1904. I sold in my last sale to S. Y. Burk, Boliver, Mo., Dominator, first prize aged boar at Missouri State Fair this year.

Premdominator sired both the above boars. I sell four full brothers to Nonpareil and a litter by him.

Also two full brothers and four full sisters to Dominator and a fine litter by him.

Also six by Meddler, 3 boars and 3 gilts. A fine gilt by G's Perfection. Others by Mischief Maker and Corrector 2d.

Col. James Sparks, Marshall, Mo.; George Bellows, Maryville, Mo.; John D. Snyder, Winfield, Kans., Auctioneers.

For catalogue, address

E. A. SCHOOLEY, - - AUSTIN, MISSOURI.

WHEN WRITING ADVERTISERS PLEASE MENTION THIS PAPER.

CANADIAN LANDS, MANITOBA, ASSINIBOIA.

The snap you have been waiting for—only one man gets it—320 acres of choice wheat land in the Milestone district of Assinibola five miles from station, good water. Write for list.

E. L. CAMP,

511 Guaranty Bldg., Minneapolis, Minn.

Auction Sale of POLAND-CHINAS AND HEREFORDS.

Sale will be held at the farm, 3 miles south and one-half mile west of

BENDENA, DONIPHAN COUNTY, KANSAS,

OCTOBER 30, 1905.

The offering consists of 60 Poland-Chinas, comprising 5 yearling boars, 10 yearling gilts, 25 spring boars, and 20 spring gilts, sired by Hadley's Pride, Perfection Yet, and Perfection Corrector.

Will sell 4 Registered Hereford Bulls, the get of Heslod 87th. Will meet all Rock Island trains. For further particulars address,

KLAUS BROTHERS, BENDENA, KANSAS.

Col. J. W. Sparks, Auctioneer

REGISTERED PERCHERONS.

Coachers, Saddlers, Big Mammoth Jacks and Jennetts. Yatti head of Percheron stud and King Jumbo at head of Jennett herd. More prizes won at Missouri State Fair 1904-5 than any other breeder.

S. A. SPRIGGS, Westphalia, Kansas.

AMERICA'S LEADING HORSE IMPORTERS

The only shows in France in 1905 where all Percheron horses were permitted to compete are the following:

GREAT ANNUAL SHOW OF FRANCE

First prize 4-year-old..... Vercingetorix (51912) 40541
First prize 3-year-old..... Fusain (53895) 40544
First prize 2-year-old..... Doyen (57661) 40577

GREAT PARIS SHOW

First prize 4-year-old..... Ravissant (46514) 40539
First prize 3-year-old..... Fusain (53895) 40544
First prize 2-year-old..... Monaco (58631) (remains in France)

GREAT ANNUAL SHOW OF THE SOCIETE HIPPIQUE PERCHERONNE

First prize 4-year-old..... Ravissant (46514) 40539
First prize 3-year-old..... Flambart (54628) 40543
First prize 2-year-old..... Monaco (58631) (remains in France)

Every First Prize Winning Percheron Stallion at each of these great shows, with the exception of Monaco, has been imported by us and is now in our stables. At each one of these great shows a group of our horses won First prize in Collection

McLAUGHLIN BROS.,

Kansas City, Mo. Columbus, O. St. Paul, Minn.

**FRISCO
SYSTEM**

FIGURES ON FARMS

If you could sell your farm to-day for \$100 an acre and buy it back to-morrow for \$10 an acre,

You would do it.

If you can buy the \$100 land for \$10 somewhere else, the proposition is just as good. You can buy it in the Southwest.

Why shouldn't you do it?

If you wish to know more about it, write for copies of our Texas and Oklahoma books. They are free.

A. HILTON, General Passenger Agent, 950 Frisco Bldg., St. Louis, Mo.

Kellam to assist Decoy of Wavertree as herd-header. For quality together with ability to grow rapidly the Kellams undoubtedly have one of the best herds in the West, and we hope that next season they will be out with a string of prize-winners at the State fairs and the American Royal, such as could easily be selected from their herd.

Maine's Poland-China Sale.

Mr. James Maine, of Oskaloosa, Kans., than whom there is no better known breeder of Poland-China swine in the West, announces a public sale for Wednesday, October 25, at which time he will dispose of 70 head selected from his herd of 240. A large percentage of these hogs are the get of Empire Chief 62445, who is a brother to 110 State Fair prize-winners. His sire was Chief Tecumseh 3d, and his dam was Columbia 2d, who is also the dam of as many State-fair winners as any sow now living. Thirteen of the offering will be yearling boars, and 15 will be yearling sows, some of which have been bred. There will be 8 tried brood sows with pigs at foot by a grandson of High Foller, the sire of World's Fair prize winners. There will also be 25 well-selected, early spring boars and 15 early spring gilts. The sale will be held in a pavilion and will not be postponed on account of weather. A free lunch will be served to buyers at 11 o'clock and the sale will begin at 12 o'clock sharp. A credit of 10 months at 8 per cent will be given on bankable paper on all sums over \$20. Sums under that amount will be cash. Mr. Maine will be glad to send a catalogue containing detailed descriptions of these hogs and mail bids may be sent to either one of the auctioneers. His advertisement appears on page 1074.

Special Want Column

"Wanted," "For Sale," "For Exchange," and small want or special advertisements for short time will be inserted in this column without display for 10 cents per line of seven words or less per week. Initials or a number counted as one word. No order accepted for less than \$1.00.

CATTLE.

FOR SALE—Red Polled Cattle, both sexes, half brothers and sisters to World's Fair winners. Buy while they can be shipped in crate and save freight. D. F. Van Buskirk, Blumound, Kans.

FOR SALE—One Polled-Durham bull, weight 2,100 pounds, got by Duke of Rose Pomona 2d 118987, out of Lynette.
Basye & Abston,
Coats, Kans.

HOLSTEINE—Mr. Dairyman! Your herd did not average over 3,000 pounds of milk a head last year. If you use a Holstein bull, the heifers will beat that with the first calf, and you can quickly grade up to double that average. I would like to sell you a bull calf. H. B. Cowles, Topeka, Kans.

FOR SALE—10 Registered Galloway bulls, cheap. J. A. Darrow, Route 8, Miltonvale, Kans.

FOR SALE CHEAP—A young royal bred Holstein-Friesian bull by J. P. Mast, Scranton, Kans.

FOR SALE—Eight good, registered Shorthorn bulls, four straight Cruickshank, good ones, and prices right. H. W. McAfee, Station C, Topeka, Kansas.

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 puppies. Dr. J. W. Perkins 422 Altman Bld., Kansas City, Mo.

FOR SALE—Registered Jersey cattle. Two yearling bulls. Sires: A son of Bessie Lewis, 32 lbs. butter 7 days, and "Financial Count" (imported) grand dam held Island butter record 3 years. Sire's dam holds public milk record of 58 pounds daily, and his dam and island winner in class for 2 years. Her 4 dams 22 to 26 quart cows, and all winners. Sayda Polo Jersey Farm, Paloson, Kads.

RED POLLS—6 pure bred Red Polled bull calves from 5 to 7 months old. Also two excellent yearling bulls. Write for prices and full description, or visit us.
CHARLES FOSTER & SON,
Butler Co. R. F. D. 4. El Dorado, Kansas

SWINE.

FOR SALE—Say! I have some fine, big-boned, broad-backed Berkshires, brood sows or pigs. Want some? Write me; turkeys all sold. E. M. Melville, Eudora, Kans.

Oct. 28, 1905—Duroc-Jersey Swine and Shorthorn Cattle at Paola, Kans. J. F. Stadt, Ottawa, Kans.

FOR SALE—Three Poland-China boars ready for use. Pedigreed. H. W. McAfee, Topeka, Kas.

HORSES.

FOR SALE—24 head of yearling and sucking mules. Address R. B. Irwin, Modoc, Scott Co., Kas

FIFTEEN HEAD of mammoth Jacks and Jennetts for sale or trade; will sell one or all. J. R. Cooney, Route 1, Palmer, Kans.

FOR SALE.

One Black Percheron Stallion, three years old, weight 2,100 lbs.; good bone quality and good disposition. Will sell cheap if taken soon. Imported in October, 1904.

A. C. HAWORTH,
Lewis, Iowa.

FOR SALE or trade, one large, black Jack, 16½ hands high, weight 1150 lbs. Sure footed; also one trotting stallion, sure breeder. Thos. Brown, Palmer, Kansas.

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BARRED AND WHITE PLYMOUTH ROCK Eggs, \$2 per 15; \$5 per 45. Hawkins and Bradley strains, scoring 93½ to 94½. Mr. & Mrs. Chris Bearman Ottawa, Kans.

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

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

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For Sale.—A few Buff S. C. Orpingtons; Buff S. C. Cochins. For particulars write Mrs. S. M. Wallis, Route 1, Shattuck, Okla.

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The Poultry Yard

CONDUCTED BY THOMAS OWEN.

Turkeys Die.

EDITOR KANSAS FARMER:—Can you tell me what ails my turkeys? All through the summer they have been dropping off, one every now and then, until, from fifty-seven, or flock is reduced to twenty.

Their droppings are watery and yellow, and they mope around a few days and seldom get well, although I have tried many remedies. They have free range of woodland and meadow. Is there danger of infection to the chickens in the flock? Mrs. C. L. Hicks, Johnson County.

Several causes may combine to make your turkeys act as they do. They may be troubled with lice, which often causes them to get weak and die. The remedy of course is get rid of the lice by a thorough dusting of insect-powder. Then, death may be caused by general debility: Turkeys have been in-bred so much that frequently they have not vigor and stamina enough to reach mature age. In the East, turkey-breeders frequently resort to crossing their domestic turkeys with the wild turkey to secure new blood, and a more vigorous and healthful strain. Your turkeys may be suffering from this cause. We do not believe they are affected by cholera, though some of the symptoms would indicate it; for cholera generally takes them off in flocks and that very quickly. Yes, there is danger of contagion to chickens when cholera symptoms abound, especially where the feed is scattered on the ground and is liable to infection through the turkeys' droppings.

Charcoal for Fowls.

There is one thing which nature does not supply, and which civilization renders necessary to fowls. It is charcoal. But charcoal made of wood does not answer the purpose; it has no taste of food, is not attractive to fowls, and is seldom eaten. But if any one will put an ear of ripe corn into the fire till the grains are well charred and then shell off the corn and throw it to his flock, he will see an eagerness developed and a healthy condition brought about, which will make decided improvement. All pale combs will become bright red, the busy song of "cracking," which precedes laying, will be heard, and the yield of eggs will be greatly increased.—British Fancier.

No practical poultryman will question the value of parched or charred corn as a most desirable and health-producing food, and we are pleased to note that our English cousins are placing more value on corn or maize than they did formerly. The real value of our Indian corn is just beginning to be appreciated on the other side of the pond, not only as an excellent article of food, when properly prepared, for the human race, but for brute creation as well.—The American Fancier.

[We have often advised the same thing, viz., the charring of corn for an appetizer and blood-purifier in fowls. But in place of putting the corn in the fire, we put the ears in the oven and let them get good and black. If we have no ear corn, we fill a pan with shelled corn, put it in the oven and parch thoroughly. In cold weather we feed it to the hens while warm.—Editor.]

Johnson's Laying Strain

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Clendale Park, Hutchinson, Kansas.

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Poultry Notes.

N. J. SHEPHERD, ELDON, MO

Comfortable shelter, variety of food, cleanliness, pure air, light, agreeable exercise and regularity of feeding and watering go a great way toward inducing fowls to lay even in winter.

On the farm where the chickens are given a free range, an average of one rooster to every fifteen hens will be sufficient; more than this is an extra expense, without any return of profit.

At this time the advice may be repeated to market all fowls but those needed for laying or for breeding. Fatten and sell before cold weather sets in. Keeping useless fowls during the winter cuts materially into the profits.

The hens in their natural condition, simply seek a variety of food in order to derive those elements that are essential to the production of eggs and to supply bodily wastes, and the best tonics consist of wholesome food.

While feeding fowls with a good variety of food is quite essential to egg-production, no amount of good feeding will compensate for bad quarters. Keep the quarters dry and clean and

not only will less food be required but better results in egg-production be secured.

To have poultry tender and juicy, it should be fattened quickly. The better plan is to keep in a good thrifty condition, then feed liberally for two weeks before marketing. Give all that they will eat five times a day after once commencing to fatten.

It is never a good plan, when it can be avoided, to keep turkeys confined for any length of time. By far the better plan is to feed liberally while they have a free run and get into a good condition and then ten days of liberal feeding with a good fattening ration will properly finish for market.

When egg-foods and condition-powders are given, the benefits from such is due more to the fact that they supply something that the poultryman fails to give, rather than because of any substance contained that induces laying. The hen only lays when she is capable of supplying the materials for producing an egg, and condiments as a rule constitute but a small proportion of any substance that is really necessary.

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A Grange Fair.

A report of the first grange fair held in Kansas comes from Spring Hill, Johnson County, and was held September 23.

The local paper, The New Era, devotes a column to a description of the display from which we take the following: "A finer exhibition of live stock, poultry, farm products, fine art, fancy-work, culinary art, and curios, was never seen anywhere."

Among the farm exhibits, cotton and tobacco were mentioned. This will tend to stimulate the production of these plants until their value as a staple product for this latitude is determined.

Emphasis was placed upon farm products as especially deserving. In fact, the exhibits in every department were given as full and complete.

An interesting feature of the fair was the baby-show. There were seventeen in the list and all "cherubs, sweetest ever!" The judges, in a vain attempt to arrive at a "fair" verdict, compromised by declaring each one entitled to the blue ribbon and decorated them accordingly.

The decoration and hall arrangements were decidedly fine. Three booths, representing the three lady officers of the Patrons of Husbandry, Flora, Ceres, and Pomona, were real works of art, and elicited much attention and admiration.

The attendance was much larger than had been anticipated; fully three thousand visitors beside the home people were admitted.

The success of this first attempt at holding a Grange fair has so far exceeded their most sanguine expectations that the grange at Spring Hill decided to make this an annual event of three days duration. The names of

the exhibitors and blue-ribbon winners are not given.

A Grange fair is in line with suggestions by our National Lecturer and other Grange leaders, as promising a purely agricultural display in the interests of the farmer.

Spring Hill has taken the happy initiative, and other granges, if wise, will "follow the leader."

The Pomona Grange.

The specific relation which a Pomona Grange should bear to the subordinate granges, in its jurisdiction, is one of general encouragement and good cheer.

Members of subordinate granges are induced to join the Pomona Grange, not alone for the benefit and enjoyment they will derive, themselves, but quite as much by reason of the opportunity afforded in a broader field to aid the Grange cause in general. The Pomona Grange is the connecting link between the subordinate and State Grange. It is an important step between membership in a subordinate grange and the highest degree, and a most potent influence in National affairs. There should be a better understanding of the true relation of the Pomona and subordinate granges, and there should be a thorough discussion of the matter in all subordinate granges.

The recognition of agriculture in public affairs is within the scope and purpose of the Pomona Grange. Great interest will be developed in the consideration of questions relating to schools, roads, fairs, agricultural colleges, farmers' institutes, etc., and should find a place in Pomona Grange programs. It would greatly help to promote sentiment upon these matters, sought for by the State and National Grange. Discussion and agitations are potent influences in arousing public sentiment.

Good Roads—Parcels Post.

The resolution passed by Oak Grange in favor of the parcels post bill has been endorsed by the Shawnee County Horticultural Society. General and united effort, on the part of rural communities is needed to awaken a sentiment favorable to this much-needed legislation. Our Congressmen should be informed of our desire in this matter and importuned, if necessary, to use their influence in promoting its passage.

Another measure likely to become of interest in Grange discussions is the Grange good roads bill, known as the "Currier bill." Other interests should not crowd this out. Sentiment favorable to this legislation has been secured largely through Grange influence. Strengthen this sentiment and secure the necessary influence by constant agitation.

Another matter of interest is the teaching of nature studies in the public schools. This is along the line of mental development, and as its adoption is not to benefit the few but the many, the Grange is doing a patriotic duty in promoting its introduction. In the long winter before us, when interest is at a low ebb the subordinate granges can with profit adopt a portion of this course, as a mental training. It can not fail to soon become of absorbing interest. Try it.

Medical Amenities.

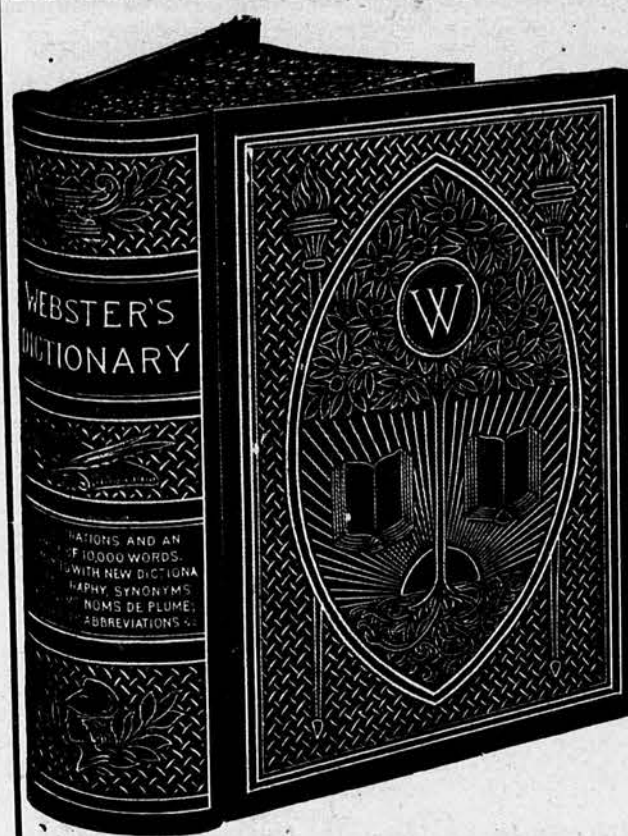
"A number of years ago, when I lived in Woburn, Mass," said a well-known Bostonian the other day, "a Dr. Kelley resided there and was the leading physician of the town. Later there came a young physician who was far less successful than his neighbor; in fact, he lost so many cases that many remarks were made concerning him."

"One morning while out making calls the two doctors met, Dr. Kelley having one of his patients riding with him. Dr. Brown, the other physician, saluted him with, 'Ah, good morning, doctor; I see you take your patients to ride.'"

"'Yes,' said the other, 'I see Griggs takes yours.'"

"Griggs was the undertaker."—Boston Herald.

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Young stock for sale.

DUROC-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, Scranton, Kans.

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Farm two miles west of city on Maple Avenue
Duroc-Jerseys

FAIRVIEW HERD DUROC-JERSEYS
Now numbers 150; all head for our two sales, October, 1905, and January, 1906.
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LEON CARTER, Mgr., Asherville, Kans.
Gilt-edged Duroc-Jersey Swine.

Wheatland Farm Herd
DUROC-JERSEYS
For Sale—Fall gilts, tried brood sows, bred and open and spring pigs of either sex.
GEO. G. WILEY & SON, South Haven, Kans.

FOR SALE 75 head of pedigree Duroc-Jersey spring pigs, boars or sows, no akin, good color, well built, very cheap, order now from
CHAS. DORR, Route 6, Osage City, Kans.

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Of Thoroughbred Duroc-Jersey swine, October 26, 1905. 120 head, all sizes, all ages, and all good ones. Write at once for catalogue.
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SUNNYSIDE HERD OF DUROC-JERSEY SWINE.
Aged sows, yearling sows, spring boars and gilts for sale cheap. Our brood sows have all been prize winners in hot competition. Our spring pigs are sired by Burrella Hague 21469 and Sunnyside Prince 31899. Hague & Sons, Route 6, Newton, Kansas. Phone on farm.

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20 fine March and April pigs, sired by Norton's "Wonder," and from aged dams, for sale.
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THE CHERRY RED HERD Our Durocs are better than ever. Some No. 1 February and March bear pigs; as pretty as can be found in any herd. Also just as fine gilts of same age for sale at low prices, with Keen Champion 34469 to head herd. Also some W. P. Rocks and Pekin Ducks.
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Herd headed by King of Kansas 28293, sired by Improver 2d, the hog which brought \$300 for a half interest. For sale: A lot of pigs sired by King of Kansas. The brood sow, Daisy B, is very large and a good breeder of show hogs. There are several sows in the herd of the Tip Top Notcher strains. Send in your orders and get a bargain.
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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. 6293 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 boars, October 25, 1905—the pick of 250 head.
CHESTER THOMAS, Waterville, Ks.

POLAND-CHINAS.

FOR SALE Poland-China Hogs, Holstein-Friesian Cattle, either sex. Best strains represented
H. N. HOLDEMAN, R. R. No. 2, Girard, Kans.

Pecan Herd of Poland-Chinas
Best strains. Large and grothy, yet with plenty of finish. A few sows bred for Sept. Farrow for sale (good ones). Write us what you want.
J. N. WOODS & SON, Route 1, Ottawa, Kans.

DIRGO BREEDING FARM
J. R. Roberts, Prop., Deer Creek, Okla.
Breeder of up-to-date Poland-Chinas. A choice lot of boars of serviceable age for sale at prices which should make them go at once. Write me before placing your order.

Park Place Herd, Poland-Chinas
Four first, one second won at Topeka, 1905; six firsts, five seconds, and three sweepstakes at Hutchinson, 1905. These winners and others for sale. All fashionably bred.
A. P. WRIGHT, Valley Center, Kans.

POLAND-CHINAS.

Kansas Herd of Poland-Chinas has bred gilts and W. R. C. Leghorn chicks. F. P. Maguire, Hutchinson, Kansas.

MAPLE VALLEY STOCK FARM

Pure-bred Poland-Chinas from leading strains. Visit our welcome and correspondence solicited. Satisfaction guaranteed. C. P. BROWN, R. 2 Whiting, Kansas.
THE BLM GLEN FARM
HERD OF POLAND-CHINAS
Eight choice young boars, bred and open gilts, good size and finish; first draft for \$20; take choice of boars. WM. KNOX, SOUTH HAVEN, KANS.

Elm Grove Stock Farm Poland-Chinas.

Herd headed by Nonpareil 86105A. Sweepstakes boar at Missouri State Fair 1904. Can spare a few choice sows bred for May and June farrow.
F. A. DAWLEY, Waldo, Kans.

E. E. Axline's Annual Sale
Oak Grove, Missouri
Monday, October 9, 1905
Sixty head, tops of all 1904 and spring 1905 crop. You know the kind. Catalogue ready September 10.

Main's Herd of Poland-Chinas
A grand lot of spring and last fall pigs, sired by the great show hog, Empire Chief 80376s out of number one sows. They take on the large size and heavy bone of their sire. Sows including Empire Chief gilts, bred for fall litters to Roller Trust, neby High Roller, the Ohio champion, 240 in herd. Fed for breeders. Priced reasonable. Annual sale October 25.
James Mains, Oskaloosa, Jefferson Co., Kan.

Spring Creek Herd of
POLAND-CHINA SWINE
Pigs by On and On and U. S. Model. 3 fall boars and a number of choice gilts, large, fancy and well bred. Perfection and Sunshine blood
G. M. Hebbard,
Route 2, - Peck, Kansas

ROME PARK POLAND-CHINAS
and BERKSHIRES.
I have about twenty boars ready for use and twenty-five sows bred, and some unbred, and a large number of good pigs, both breeds.
T. A. HUBBARD, (County Treasurer Office), Wellington, Kans.

GUS AARON'S
POLAND-CHINAS
Route 5, Leavenworth, Kans.
Choice young boars of April and May farrow sired by Beauty's Extension, for sale. Also bred sows and gilts, all with good colors, bone, fancy head and ears. The herd boar, Beauty's Extension 27966, for sale. Some snaps here. Visitors welcome. Mention Kansas Farmer and write for prices.

Pure Poland-China Hogs.
We have a few fall and winter boars sired by American Royal 81505 A and Onward 97359 A, he by Keap On 61015 A, out of some of our best sows. Also some spring pigs by same boars.
J. R. KILLOUGH & SONS
OTTAWA, KANS.

HIGHLAND FARM HERD OF PEDIGREED
POLAND-CHINAS
Twenty serviceable boars at special prices for next 30 days, sired by Black Perfection 37132, Slick Perfection 32904, Perfection Now 32580, and Ideal Perfection. They are lengthy and good-boned pigs, with plenty of finish. Write me description of what you want and I will guarantee satisfaction.
JOHN BOLLIN, Route 5, Leavenworth, Kans.

200 HEAD POLAND - CHINAS
W. R. Peacock's Poland-Chinas, at Sedgewick, Kansas. 200 head in herd. Boars in service are Mischief Maker I know; 1/2 brother in blood to Grand Champion Meddler C's. Corrector brother to Grand Champion Corrector 2nd. Kiever's Perfection, sire to 7 head winning 7 firsts and seconds, and Sweepstakes prizes at the Hutchinson fair, 1904. Watch the Kansas Farmer for public sale date.

SNYDER BROS.
Winfield, Kans.
Breed and have for sale Percheron stallions, Polled-Durham cattle, and choicest strains of Poland-China hogs. Correspondence and inspection invited.

T. A. HUBBARD'S
PUBLIC SALE
A selection of tops from Rome Park herd; the largest combined herd of Poland and Berkshires in America, at Wellington, Kansas, October 18th, during Carnival. Watch Kansas Farmer for further particulars.

BOARS! BOARS! BOARS!
The grandest lot of Poland-China Boars ever offered to the trade. "Hot Shot" and "Hilltop Chief," litter brothers by U. C. Perfection and winning first at Ottawa and Topeka; Pace Maker, first prize yearlings; 2 under 6 months prize-winners; 20 choice fall and spring boars not fitted for show. We will suit any breeder in quality and price.
Three good Shorthorn bulls cheap.
DIETRICH & SPAULDING,
Write or visit us. Richmond, Kans.

CHESTER WHITES.

D. L. Button, Elmont, Shawnee County, Kansas
Breeder of Improved Chester-White Swine. Young stock for sale.

O. I. C. SWINE

Choice young stock of both sexes for sale at very low prices.
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CHESTER-WHITE HOGS

Shorthorn cattle, Oxford sheep and Peafowls. I won 13 prizes on 14 head of Chester-Whites at World's Fair, 1904. Four herd boars in use.
W. W. WALTMIRE, Peculiar, Mo.

O. I. C. Hogs
Scotch Collie Dogs
B. P. Rocks
One hundred grand pups sired by the two greatest stud dogs in the west, Cragmere Wonder and Brandane Noble. We are selling more Collies than any firm in America. Why? Because we have the blood, our prices are moderate, and our dogs are workers as well as blue blooded.

With each Collie sold by us we send a book "The Useful Collie and How to Make Him So." Write at once for they are going fast.
Walnut Grove Farm,
H. D. Nutting, Prop., Emporia, Ks.

High Point Stock Farm
I have choice O. I. C. and Duroc-Jersey males. Also bred O. I. C. and Duroc-Jersey gilts for sale. B. P. Rock cockerels and eggs in season. Write or come and see
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PRIZE WINNING
O. I. C. SWINE
Sows and gilts bred to Kerr Dick, sire to World's Fair Junior Champion, or by Kerr Dick and bred to other equally good sires. Also fine crop of spring pigs from such sows as Big Mary, grand champion at St. Louis, Kerr Uina, Silver Mina and others. Headquarters for Boars and Gilts. Write me.
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O. I. C. THE WORLD'S BEST
SWINE
200 head all sizes, both sexes, singly, pairs, trios or small herds. A large number by Norway Chief 12363 grand first and sweepstake boar Nebraska State Fair, 1904. Top quality. Rock bottom prices. Write to-day for prices to
FISHER LIVE STOCK CO., Hastings, Nebraska.

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CEDAR LAWN BERKSHIRES My sows are sired by Elma's Prime 64778, and Berryton Duke 72946. Boar at head of herd, J. R. K. 76277.
Wm. McAdam, Netawaka, Kans.

BERKSHIRES

From the best breeding that can be had, for sale at all times. Male and female, bred and open. Prices and breeding that will suit you.
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Ridgeview Berkshires

Boars of July and August, '04, farrow for sale, sired by Forest King 72668. Orders booked for spring pigs.
MANWARING BROS.,
Route 1, Lawrence, Kans.

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SPECIAL OFFERING—Herd boar "Premier Durham," price \$75. Farrowed Dec. 10, 1904, dam "Lady Lee 93d" by "Lord Premier," sire "Lord Durham" by Big Ben g g son of Baron Lee 4th, dam of Lord Durham. "Locust Blossom" out of "Patsy Girl," by "Baron Lee 4th." Dam of "Big Ben" "Matchless VII" by "Lord Winsor II" g dam "El Matchless" first at English Royal.

E. D. KING, Burlington, Kansas

SUTTON'S BERKSHIRES
Imported Blood

30 extra choice Boars, 100 to 150 pounds.
40 extra choice Gilts, 100 to 150 pounds.
Fancy heads, strong bone and all-around good ones. Bargains at \$15 to \$25 to close quick.
Chas. E. Sutton, Russell, Kansas

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40 bred gilts, 50 boars large enough for service and a large number of fine spring pigs of both sexes for sale. Berryton Duke 72946, litter brother to Masterpiece, and the choice pig of that litter at head of herd. Our sows are large and grothy, the choice from my large herd after years of careful breeding. I can sell you as good hogs as you can buy in America. Write for prices before buying.
Address all correspondence to
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Pacific Duke 56691, the 1,000 pound champion show and breeding boar from herd of S. B. Wright, Santa Rosa, Cal., bred by N. H. Gentry; Model Princess 60134, by Halls 50125, sweepstakes Pan-American sow; Stumpy Lady 68409 by Combination 58023, sweepstakes Kansas City and Chicago 1902. Lee's Model Princess 62514, the \$180 daughter of Governor Lee 47971; Lady Lee 99th 65085, the \$180 daughter of Lord Premier 60001, and other "Blue-Bloods." Sows bred to 3 grand boars and young stock for sale.

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Aberdeen-Angus Cattle
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A few fine bulls ready for buyers. Aged cows will be sold cheap. Two larks for sale or exchange for good Percheron stallion or mare.
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Angus Cattle

Herd headed by HALE LAD 30645. Herd numbers 250 head, the largest herd bred by owner in America. Stock for sale
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I want to sell my herd of registered Aberdeen-Angus cattle, consisting of nine, two and three year old cows, and one bull. Will give some one a bargain.

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Plainville Shorthorn Herd
Headed by Prince Lucifer 188685
A pure Scotch bull.
Stock for sale at all times.
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SHORTHORN CATTLE
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Breeder of Pure-bred Shorthorn Cattle.
Choice bull calves and 2-year-old heifers bred at \$50 each.

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Herd headed by Baron Goldsmith 224633 by The Baron 121327; females bred to him and choice young bulls for sale.
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SHORTHORN CATTLE
POLAND-CHINA SWINE
Best strains of stock for sale at popular prices.
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Breeder of Shorthorn Cattle and B. P. Rock Chickens. Bulls, Cows and Heifers for sale. Prices reasonable.
Atchison Co. MUSCOTA, KANS

Three Choice Shorthorn Bulls.

All dark red, 12 to 30 months old good breeding, good individuals. Also some cows and heifers bred. Twenty-five spring boars, good growthy fellows, out of mature sows and No. 1 boars. For description and prices, call on or write:

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In Special Offer. 8 young cows and heifers bred to Imp. Aylesbury Duke and Lord Thistle. Some choice Duroc pigs of either sex sired by and gilts bred to May Bury. First prize winner at Am Royal, Mo. State, and World's Fair, 1904.

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Young bulls from heavy milking dams, sired by the Scotch Topped Giltspur's Knight 171591 whose heifers are excellent milkers. Write us.

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Shorthorns and Poland-Chinas

100 Scotch and Scotch Topped Females, 8 Scotch Topped Bulls in special offer, Pavonias Prince 207516 and Happy Knight by Gallant Knight 124468 in service.

C. S. NEVINS, Chillicothe, Miami Co., Kans.
Forty miles south of Kansas City.

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Valley Grove Shorthorn

FOR SALE—Young bulls, cows and heifers. Come and see them. Telephone via Dover. Telegraph station Willard. Address

T. P. BABST & SONS, Auburn, Kans
Telegraph Station, Valencía, Kans.

Harmony's Knight 218509

By the \$1,000 KNIGHT'S VALENTINE 157770, a pure Scotch bull of the Bloom tribe, now heads my herd. Seven extra good 1- and 2-year-old bulls, sired by an American Royal winner, for sale. Also carload of cows and heifers in good flesh and at reasonable prices. Come and see them.

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Elder Lawn Herd

SHORTHORNS

T. K. TOMSON & SONS, Dover, Shawnee Co., Kans.

Bulls in service: GALLANT KNIGHT 124468 and DICTATOR 182824.

For Sale—Serviceable bulls and bred cows. Prices reasonable and quality good. Come and see us.

PLAESANT HILL STOCK FARM

Registered Hereford cattle. Major Beau Real 71621 at head of herd. Choice young bulls, also heifers by Lord Evergreen 95651 in calf to Orito 132856 for sale. Bronze turkeys and Barred Plymouth Rock eggs for sale.

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Have a choice lot of young bulls, Scotch and Scotch-topped. About twenty are now ready for light and heavy service. Get prices and description. Sired by Baron Ury 24 124970, Sunflower's Boy 127387, and Bold Knight 179054.

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Headed by the great Cruikshank bull, Prince Consort 157008, sired by Imported Prince of Perth 158879, and out of own sister of Lavender Viscount 124755.

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Sired by such bulls as Lord Mayor, Mayor Valentine, and Proud Knight.

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Will put into sale of H. E. Bachelor at the Longnecker stables, Wichita, Kans., November 10, ten head of choice young cows and heifers; all bred to bring calves in January and February.

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Service Bulls—Herefords: Columbus 17th 91384, Columbus Bodybody 141886, Jack Hayes 2d 119761. Shorthorns: Orange Dudding 149469. Polled Shorthorns: Scotch Emperor 138646, Crowder 204815. Herds consist of 500 head of the various fashionable families. Can suit any buyer. Visitors welcome except Sundays. Address

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Nonpareil Star 188488 at the head of herd. Imp. Edelweiss, Edelweiss 3rd by Lord Banf, Lady Goddess, etc. One 18-months old bull by N. S. out of Lady Goddess, for sale. John Regier, Whitewater, Kansas.

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Scotch bulls in service. Cows carry three to five Scotch crosses on standard Shorthorn foundation. Ten Bulls 12 to 18 Months old also a carload of extra good 2- and 3-year-old heifers for sale. All red, and all in good condition. Come and see our cattle.

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Herd headed by Huntsman 155655 and Marshall 176211. Choice young bucks ready for service, for sale; also extra good spring ram lambs. All registered

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Registered Herefords

Individual merit and choicest breeding. Dale Duplicate 2d at head of herd. Correspondence solicited. A. JOHNSON, Clearwater, Kans.

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Boatman 59011 and Lord Albert 131557 head of herd. Choice young stock of both sexes for sale.

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Herd bulls, Protocol 2d 91715—Beau Beauty 192235, and Printer 66684, the best living son of the great Beau Brummel. Young bulls, cows and heifers for sale.

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ENGLISH RED POLLED CATTLE—Pure-bred Young Stock for Sale. Your orders solicited. Address L. K. Hazlett, Route 7, Springfield, Mo. Mention this paper when writing.

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Herd now numbers 115 head. Young bulls for sale.

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Best of breeding. Write or come and see

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Of the choicest strains and good individuals. Young animals, either sex, for sale. Also breeders of Percheron Horses and Plymouth Rock Chickens. Address S. C. BARTLETT, Wellington, Kansas

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Offer some fine blocky bulls about one year old.

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Do You Want to Buy a Jack?

If so, I have some extra good ones to sell, of the best strains of breeding in Missouri. Good breeders, large, black, with light points, prices right. Write me what you want. Address,

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Do You Want a Good Jack or Jennet Cheap?



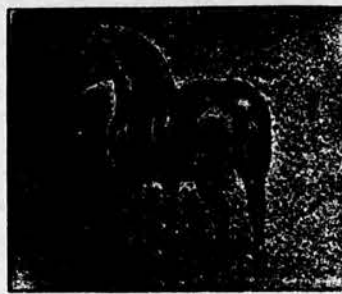
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Importers and Breeders of High-Class Percherons. Herd headed by Casino 27830 (45462). Winner of first prize at World's Fair. Young stock for sale. Largest herd in the West. Won every first prize competed for but one at the Topeka State Fair.



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(Percheron 27218 and French Draft 45466.)

He weighs 2,464 pounds, with more bone and quality than can be found in any other one horse in the United States. We can show more bone, size and quality than any other one firm in the country. Prices below competition. Call on or address

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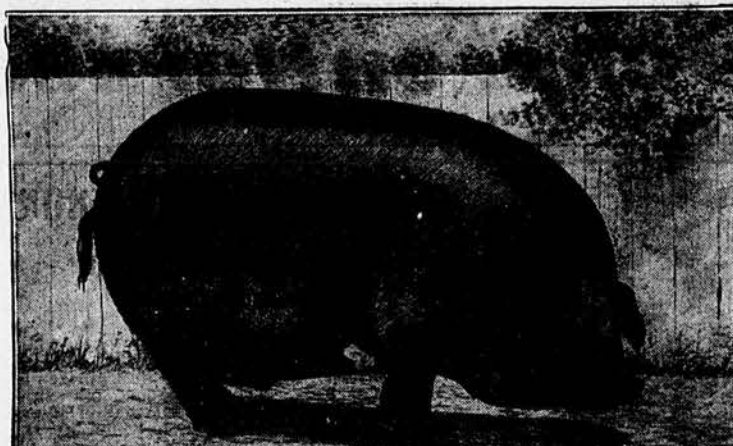
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We will pay you \$500 in cash if this engraving is not a correct reproduction of the photograph of this hog as sent us by Mr. Wright, said photograph being on file in our office for inspection.

LARGEST HOG IN THE WEST

UNION, OREGON.

INTERNATIONAL STOCK FOOD CO., Minneapolis, Minn.

GENTLEMEN:—I enclose photograph of a hog that is owned by one of my customers. This hog has been fed "International Stock Food" and now weighs over 1100 pounds and is still growing. This is a big living advertisement for "International Stock Food" in this part of the country. Yours truly, L. A. WRIGHT.

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For Horses, Cattle, Sheep, Goats, Colts, Calves, Lambs, or Pigs. You have as good a chance as anyone in earning one or more of these spot cash premiums and you may receive several hundred dollars without one cent of extra cost to you. These 24 Cash Premiums are absolutely free for our friends and customers who are feeding "International Stock Food".

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Dan Patch 1:55 1/2 COLORED Lithograph ABSOLUTELY Free

This Splendid Picture is a Reproduction of a Photograph which was taken by our own artist. It is 18x24 and in Six Brilliant Colors. It is as life like as if you saw Dan coming down the track and shows him pacing a 1:55 1/2 clip with every foot off of the ground. Every Farmer and Stockman should have a picture of the Fastest harness horse that has ever appeared on earth. Dan is in better shape than ever this year. In his first public appearance in 1905 he paced a mile in 1:59 1/4 at the Minnesota State Fair and he followed this up in four days with a mile in 1:57 1/4, with the last quarter in 27 1/2 seconds, which is a 1:50 gait. On Saturday, October 7, at Lexington, Ky., Dan Patch again started the world by lowering his own World's record from 1:56 to 1:55 1/4. Dan has been eating "International Stock Food" every day for three years and it has given him better digestion and assimilation and more strength, endurance and speed. He was not a champion when we bought him but has broken nine world records since that time.

DAN PATCH 1:55 1/2 IS OWNED BY INTERNATIONAL STOCK FOOD CO.

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1st.—HOW MUCH STOCK OF ALL KINDS DO YOU OWN?

2nd.—NAME PAPER IN WHICH YOU SAW THIS OFFER.

INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, U. S. A.

A Dollar's Worth of Standard Stock Food

Contains more feeds, will go farther, last longer, and produce more of the results you want, than a dollar's worth of any other stock food made, whether it costs 4 cents or 14 cents a pound.

You can prove this to your own satisfaction by examining the contents and feeding directions of various packages. The Standard looks better, smells better, tastes better, and is better—stronger—purer—more concentrated. It gives the best results at the least cost. Sold on our money-back "Square Deal" Guarantee.



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George W. Null's

ANNUAL FALL SALE!

AT ODESA, MO., NOVEMBER 1, 1905.

65 head; 20 sows and gilts bred to Radium and Null's Top Chief. Two of them by Chief perfection 2d; one by Keep On; three by Unique, and others of like breeding. The balance are boars ready for service. Spring and summer pigs of iehre sex, most of them by Radium and Null's Top Chief and a number of grandsons and granddaughters of \$1,575 Anderson Model. Arrange to attend or at least send some bids. Send for catalogue.

Jas. W. Sparks and Others, Auctioneers.

GEO. W. NULL, - - ODESA, MO.

MAINS' GREAT EMPIRE CHIEF

POLAND-CHINA SALE

At Public Auction at my farm 2 1/2 miles southeast of Oskaloosa, Jefferson County, Kansas, I will sell on

Wednesday, October 25th, 1905,

70 head, the choicest of my herd of over 240 head from dams of the most noted strains known to the breed, largely the get of Empire Chief. 13 yearling boars; 15 yearling sows, some of them bred; 8 tried sows with pigs at their side, by Roller Trust, he by High Roller, S. E. Shellenberger's of Camden, Ohio, sire of World's Fair winners; 25 well-selected, early spring boars; 15 early spring gilts.

Empire Chief was a class winner at Nebraska and Iowa State Fairs, also heading champion herd at both these fairs. He is a brother to over 110 State Fair winners. He was sired by Chief Tecumseh 3d and out of Columbia 2d, a sow that produced as many State Fair winners as any sow living. He has mammoth bone and size, weighing about 700 pounds when in breeding fix. A sire of very large, growthy pigs. I have 130 spring pigs by him, that I defy any breeder to produce a better lot of like number. I desire to say to my patrons that it will probably be the last opportunity to get Empire Chief pigs, as I have sold him, at a good figure, to a breeder in the West. He is a hog of great value in any community. I should like to see all of my friends and patrons present at the sale and thus have an opportunity to put some of the Empire get into their herds. Some of the offering will be sired by a son of Chief Perfection 2d. S. E. Shellenberger says Roller Trust is as good a prospect for a winner as he has ever raised and he has been showing at all the leading State fairs for thirty years.

Sale will be conducted in a well seated pavilion. We will make you all as comfortable as possible, regardless of the weather. We invite all to come and have a good social time whether you want to buy or not. You may get some pointers on breeding as well as a chance for good bargains. Free lunch at 11 a. m. Sale at 12 m. sharp. Send for catalogue; it will give you a full description of the breeding of this stock.

Terms of Sale. A credit of 10 months will be given on all sums of \$20 and over with interest at 8 per cent. on approved note, if paid when due; if not paid when due note to draw 10 per cent per annum from date. All sums under \$20 cash. A discount of 2 per cent for cash on sums of over \$20.

Col. Jas. W. Sparks, Marshall, Mo.
Col. John Daum, Nortonville, Kans.
Col. J. M. Collom, N. Topeka, Kans. } Auctioneers.

JAMES MAINS, - - Oskaloosa, Kansas.

H. N. HOLDEMAN'S

FALL SALE OF POLAND-CHINAS

At Girard, Kansas, Oct. 27, 1905.

50 head, 4 yearling sows, 4 yearling boars, 23 spring gilts, 19 spring boars, Mo.'s Black Perfection, Corrected Chief Perfection 2nd and other popular strains. All good, a number extra fine. Sale at farm 1/4 miles north of court house, at Girard. People from a distance please be my guests at Hotel Huber; free conveyance to and from farm; sale under cover; no postponement. Auctioneers, Col. Jas. W. Sparks, Marshall, Mo., and Col. Bert Fisher, Topeka, Kansas. Hon. M. G. Slawson, Clerk.

Reduced Rates on all Railroads.

SEND FOR CATALOGUE NOW READY TO H. N. HOLDEMAN, GIRARD, KANSAS.

Breeders Combination

POLAND-CHINA SALE!

Sixteen Leading Breeders of Kansas and Nebraska Consign 55 BOARS and GILTS, Selected from the Tops of Their Herds at

BELLEVILLE, KANSAS, OCTOBER 24th, 1905.

The offering has been selected with great care and will be attractive to breeders and farmers. For catalogue and further information, address

J. J. WARD & SON, Managers, Belleville, Kansas.

M. C. VANSSELL'S

ANNUAL FALL SALE

Will be held at the farm one and one-half miles north of Muscotah, Kansas on

MONDAY, OCTOBER 23, 1905, AT 1 P. M.

The offering consists of

60 Paland-Chinas, 8 Thoroughbred Shorthorn Bulls

The offering of pure-bred Poland-Chinas comprises 24 spring boars, 35 spring gilts farrowed from February 27 to April 10. Also one yearling boar. The sires of the offering are Rival Perfection 30261, Jones' Style 31084, and Useful Sunshine 37182. The bulk of the offering are sired by that excellent herd boar, Rival Perfection, the remainder by the other herd boars. The eight Shorthorn bulls are from 8 to 13 months old and comprise 3 Victorias, 2 Marys, 2 Beautys, and 1 Princess. This lot of choice bulls are sired by the pure Scotch bull, Clipper Chief 174514. The dams of the bulls are all good milkers. Parties from a distance will be met by conveyances at all trains. Bids may be sent to the auctioneer in my care. Send for free catalogue to

Col. Jas. W. Sparks,
Auctioneer.

M. C. VANSSELL,
Muscotah, Kansas.