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KANSAS FARMER.

Established in 1863.

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Vol. 62 of the American Shorthorn Herd Book is received. It contains the pedigrees of bulls numbered from 231406 to 236843, inclusive, and 6,796 pedigrees of cows. The price of the book is \$3, or \$3.30 prepaid.

Prof. Geo. L. Clothier, a graduate of the Kansas Agricultural College, will be remembered by older readers of the KANSAS FARMER for having inaugurated an extended series of experiments in breeding wheat and corn during the time of his employment as assistant botanist at his alma mater. Mr. Clothier afterwards extended his

studies of the great science of plant-breeding by a course at Cornell University, New York. Later a course in forestry was added to his equipment. This was followed by several years of service in the Forestry Division of the U. S. Department of Agriculture, in which work Mr. Clothier's industry and ability won for him rapid promotion. He has recently been elected to the chair of Forestry and Plant-breeding in the Mississippi Agricultural College, at Agricultural College P. O., Mississippi. The work entrusted to Professor Clothier will be ably and conscientiously performed.

The Government's case against the packers' trust is progressing. The most determined opposition that can be made by the ablest attorneys is presented by the trust. Any individual complainant would be worn out by the costly delays. Almost any administration except that of Theodore Roosevelt would have tired of the fight and let it go at a pretense. But the case is being prosecuted with vigor, is likely to bring results, and is developing several items of evidence on the transportation problem—items that were not advertised on the bills but likely to be found valuable to the people.

The president of the Santa Fe has testified in a hearing at Chicago that the charges for carrying live stock and the charges for carrying dressed meats are entirely wrong relatively. The demands of the meat trust seem to have been louder than the demands of the stockmen. The president of the Santa Fe has confirmed his reputation for knowing what he is talking about and telling the truth.

THE BLUE VALLEY CREAMERY COMPANY ENLARGES.

For some months past plans have been maturing for the opening of a large branch butter factory for the Blue Valley Creamery Company of St. Joseph, Mo., in Chicago. These plans are now matured and contractors are at work erecting at \$150,000 plant for this very enterprising creamery company. It has been only a few years since the Blue Valley Creamery Company was started in St. Joseph. At that time the creamery business was not large in Kansas and amounted to almost nothing in Missouri and Nebraska. With their remarkable business ability and up-to-date methods, they have not only built a tremendous business in St. Joseph, where they manufacture 7,000,000 pounds of creamery butter a year, but have reached the stage in their growth where their business seems only fairly begun.

The building for the Chicago plant will have a frontage of 106 feet and a depth of 132 feet and will probably be as large as the home plant at St. Joseph within a very short time. Chicago was chosen for the site of this branch factory because it best meets the requirements of their business. It is necessary to have an abundant supply of cream and also favorable conditions for marketing the finished product. As Chicago is in the midst of the greatest dairy country on earth and affords the best possible condi-

tions for marketing the manufactured product, there could be no mistake made in selecting it for the location of the branch factory. St. Joseph capital will be used in this branch house and the enthusiasm and energy which has always characterized the officers of the Blue Valley Creamery Company will find a broader field in the management of both these large business enterprises.

The establishment of this factory at Chicago will not only serve to immensely develop the business of the company, but will also greatly develop the home plant at St. Joseph, Mo.

The officers of the Blue Valley Creamery Company who have made such a conspicuous success in the business of manufacturing high-class butter, as well as in the harder task of educating the farmers up to the value of dairying as a business, are as follows: Huston Wyeth, president; James A. Walker, vice-president and manager; L. C. Hamilton, treasurer; W. W. Marple, superintendent of territory, and C. J. Walker, factory superintendent. As soon as the new building is completed, we shall hope to give our readers a picture of it in these columns.

SWINE AT THE AMERICAN ROYAL.

While no provision was made for a swine exhibit at this year's American Royal Live Stock Show, at Kansas City, October 9-14, owing to the failure of the swine-breeders' associations to act in the matter, a number of breeders have requested to be allotted space in the show barns. In view of this fact, arrangements have been made to accommodate all swine-breeders who wish to exhibit or hold sales during the show. While there will be no cash prizes for which to compete, the exhibits may be judged for ribbons. McFarland Bros., of Sedalia, Mo., and other Missouri breeders will show 50 to 75 Duroc-Jerseys. J. H. Saville & Son, H. G. Roberts, and others, of Mt. Airy, Iowa, will exhibit a carload of Poland-Chinas. Several Berkshire and O. I. C. breeders are planning to make exhibits and hold sales. As the time for making arrangements is now short, swine-breeders may make application for space direct to Eugene Rust, General Manager Stock Yards Company. The only charges will be for pen rent, and a small fee for swine sold.

CEMENT FLOOR FOR SMOKE-HOUSE.

EDITOR KANSAS FARMER:—I would like to ask through the KANSAS FARMER whether any of your readers have had any experience with cement or other floors which are proof against skunks, rats, etc., which burrow under the foundation of smoke-houses. Skunks make themselves very obnoxious by entering smoke-houses containing the winter's meat-supply which probably attracts them.

Would one be justified in cementing the smoke-house floor or would it cost too much? I would like to know cost of cement per square foot or yard.

C. R. D.

Harvey County.

While seconding our correspond-

ent's request for the experience of those who have tried cement floors for smoke-houses, the editor will present a part of the information requested. A well-made cement floor will surely be effectual in shutting out all kinds of burrowing animals. Properly made, such a floor will be one stone and as durable as limestone. If such a floor be made two inches thick, it will doubtless be effective. It may be made thicker but the expense will increase in proportion to the thickness.

To make such a floor, first level the ground on which it is to be laid. If there are any soft places tamp them hard. For a two-inch floor, lay a 2 by 4 about two feet from the side farthest from the door and fasten it with stakes. Make a platform of boards six or eight feet square on which to mix the materials. The materials easiest to obtain in Harvey County are sand and gravel and Kansas Portland cement. These may be used in the proportion of one part of cement to four and one-half parts of sand and gravel. Some use as much as five or even six parts of sand and gravel to one of cement. The resulting stone will be stronger the larger the proportion of cement. In their buildings at Topeka the street railway company made their building blocks one part cement to three and one-half parts sand.

To prepare the materials, place 4½ buckets of sand and gravel on the mixing platform and over it scatter one one bucket of cement. Before adding any water, shovel the materials over until they are thoroughly mixed. This may be determined by the uniform appearance of the thoroughly mixed materials. Then add water and mix, making a mortar that will spread nicely with the shovel.

To lay the floor, shovel the mortar into the space between the 2 by 4, above-mentioned, and the farther side of the smoke-house. With a tamper or a paddle make sure that the mortar fills all the space. Especial care is needed at corners, sides and ends. When the space behind the 2 by 4 is full, trowel the surface, using considerable pressure. If you have not a plasterer's steel trowel, a wooden one will answer but will leave the surface rougher than if the steel trowel be used. It is possible to move the 2 by 4 immediately, placing it for another section of floor, or it may be left for a few hours or until the next day. If the 2 by 4 be removed immediately, it will probably break the edge of the section. If, however, the next section be filled immediately, such breaks are easily repaired. One advantage about proceeding continuously until the completion of the floor lies in the absence of "seams" which are likely to be apparent when there has been considerable delay between the laying of sections. For the second section, the 2 by 4 is placed about two feet from the edge of the completed floor and the second section is made in the manner described for the first, and the process is continued until the floor is all laid, finishing at the door. If one can do so, it is well to make the "batch" of mor-

(Continued on page 1014.)

Agriculture

Corn Smut.

Is smut on corn reproduced from year to year by spores attached to the kernels of the corn? If so, how should the seed-corn be treated to kill these spores? In what other ways is the smut generally reproduced from season to season?

PETER L. JORGENSEN.
Washington County.

Smut in corn is not reproduced from year to year by spores which adhere to the corn kernels, as it is with wheat and other small grains. The corn plant is infected with smut above the ground by means of spores or sporidia, which are brought in contact with the young growing parts of the plant by the aid of the wind, rain and dew. These sporidia are developed upon decaying organic matter in the soil of the field, growing something after the manner of the yeast fungus, with which you are acquainted. The infection with smut may take place quite early in the season; the fungus develops quickly, soon forming a mass of spores which appear as the smut balls on the corn-stalks and leaves. These quickly dry and the spores, blowing about produce new infections, causing second growth and fruitage of the fungus. It appears that bruises on the stalks, such as occur by detasseling favor the infection with smut.

You will thus see that it is useless to treat the seed.

There is practically no remedy for this disease other than to pick the smut balls and burn them, and this will not prevent the occurrence of smut in any field, since the spores may be carried by the wind from surrounding fields. However, it may be possible to reduce the attacks of smut to some extent by picking and burning the smut balls, since if little smut is present in the soil where the corn is planted the opportunity for infection is lessened. It is stated also, that manure favors the development of smut, since it offers an abundance of favorable material upon which the smut may grow and develop the sporidia which cause the first infection of the corn plants.

A. M. TENEYCK.

Sixty-Day Oats.

I would like to know whether Professor TenEyck has received and tabulated reports on Sixty-Day oats. Would also like to know whether the station has seed for sale and price. Sedgwick County. M. J. ILIFF.

We have received some reports from parties who purchased Sixty-Day oats from us last season, but no tabulated report has been made, and it will hardly be possible to prepare a tabulated report since, as a rule, farmers are unable to give exact yields and only estimate the crop, comparing it with other oats. As a rule, the Sixty-Day oats did not yield so well last season, compared with other varieties of oats, as during the two previous seasons. This was the case at this station also. In our variety trial the yields of the best-producing varieties were as follows: Texas Red oats, 71.6 bushels; Sixty-Day oats, 60.7 bushels; and Kherson oats, 59.9 bushels per acre.

Of the common, Eastern-grown oats the Silvermine yielded 55.2 bushels, and the Lincoln, 50.8 bushels per acre respectively. In 1903 and 1904, the Sixty-Day oats yielded a little better than the Kherson and Texas Red oats. In the most favorable seasons probably the Texas Red oats will prove a superior yielder throughout a large portion of the State; however for a good average crop every season throughout Central and Western Kansas, I prefer the Sixty-Day or Kherson oats to the Texas Red, at least I believe the Sixty-Day oats are worthy of extensive trial. We grew several acres of these oats at this station this year and will have three or four

hundred bushels of the seed for sale, also some fifty bushels of the Kherson oats. The latter variety is very similar to the Sixty-Day and has proven to be a better producer at the Nebraska station than the Sixty-Day oats. The price of seed is \$1.25 per bushel f. o. b. Manhattan, with an extra charge of 10 cents each for two-bushel jute sacks. A. M. TENEYCK.

Alfileria.

The following letter to Prof. A. M. TenEyck, from J. C. Balch, Humboldt County, Washington, gives additional information regarding "Alfileria," or properly, Alfilerilla.

I saw in the KANSAS FARMER, issues for August 31 and September 7, articles in regard to Alfileria, or as the Spanish in Southern California call it, "Filaree." I thought I would drop you a line as to my experience with the plant. In Los Angeles and Ventura Counties, California, it is the best winter and spring forage plant I ever saw. Those were the only counties I was in for any length of time.

I have seen a single plant stool and spread over three feet of ground and make a load as much as any man could carry. Cows will fatten on it and give more milk than on any other plant I ever saw, and while it is green and in its prime they will not drink a drop of water for two or three months at a time. It makes fine hay, but I do not think a ton of the fresh cut Alfileria would weigh 400 pounds when dried, as it is nearly all water, and when wilted or half dried it is very dangerous to feed to horses or mules. They eat it very greedily and it packs or heats in their stomachs and they nearly always die without remedy; but green or thoroughly dried it is a safe and fine feed.

I went to Ventura County, California, in February, 1897, and like Geo. L. Belcher, thought it was the forage plant for Kansas. I was there until August and saved quite a lot of the seed, also white, black and purple sage-seed, as the greatest honey-producing plants in the world (I was in the bee business). I took the seed to Bourbon County, Kansas, and sowed it on fine garden soil in the Marmaton River bottom, 20 miles west of Ft. Scott. I sowed it in the spring as soon as the frost was out of the ground. It came up and grew, weak and spindling with only one straight stem about six inches high, bloomed, and died in May, just as it does in California, but it did not reseed itself. It will not do in Kansas. It is a winter grower where there is little or no frost and where the ground never freezes, and it prefers a very sandy, damp soil.

Farm Notes.

N. J. SHEPHERD, ELDON, MO.

Long and hard pulling makes wind-broken horses.

Regularity in feeding and work makes long-lived horses.

Irregular feeding makes thin horses no matter what quantity is given.

The pure-bred animal makes from scrub conditions no more than the scrub does.

A free use of the whip when unnecessary will make stubborn horses.

When oats are fed unthrashed they make a better balanced ration.

Clover is richer than grass in the muscle-formers; for young animals it is the better feed.

Cream should have uniform consistency as well as uniform ripeness when it goes to the churn.

No animal of any breed or species of domestic animals will uniformly produce young that are all of a superior order.

The pure-bred animal is the more valuable simply because of its greater capacity to appropriate favorable circumstances.

At no other time in the life of the animal is the influence of liberal or of scant feeding so great as when the animal is young.

It takes longer and costs more to make up a pound of loss than it

does to add five pounds of gain under favorable conditions.

It is the fault in allowing the weeds to grow to full maturity and seed that continues them so obstinately in the land.

The age of the animal has much to do with the gain, and, other things being equal, a young, growing animal will make a greater gain from a bushel of corn than one near maturity.

With young, growing animals the feeding of nitrogenous food tends to produce a proportion of lean meat and less fat than is the case when a more carbonaceous food is used.

With nearly all animals the food support is more than the food of gain under the most favorable circumstances.

Extra feed does not always bring to maturity sooner than ordinary usage; it does, however, increase the growth if of a proper kind and makes larger animals at maturity.

If any branch, large or small on a tree needs removal, there is probably no better time than early fall when the growth is completed, and the wood ripened.

The best plan is to select the seed-corn needed in good season early in the fall, dry out thoroughly and store where it is certain to be safe from vermin.

As a general rule, those who make the most money in growing any kind of stock or produce are those who produce an article which meets with the approval of the best paying consumers.

Young, growing animals have more hearty appetites than mature ones, but this is because the impulse of their natures is to grow. To stand still is unnatural for the young.

The Harvest Teaches a Lesson.

The great harvest that has been gathered this year has done something more than temporarily swell the farmers' bank accounts. It has been an educator. Like all other great harvests it has taught its lesson to those who had not prepared themselves properly for taking care of it and are now regretting their lack of foresight and making new resolutions for next year.

In spite of the universally heavy crops, there are many farmers who are disappointed in the season's work, and it is safe to say that the fault, in ninety-nine such cases out of a hundred, can be laid at the door of imperfect machinery. Breakages, long delays for repairs, or faulty operation in any kind of harvesting machinery cuts deep into the profits. Every hour lost when the meadows or grain-fields are ripe runs into money very fast, and every farmer ought to realize the great importance of guarding against emergencies in every possible way. There should be no guesswork or experimenting in connection with farm-machinery equipment, and while one may feel reasonably sure that everything is in good order, accidents will happen and one should see to it that facilities for quick repairs of all kinds are close at hand.

The corn is still standing, and those with a crop of any size to cut might take a suggestion from the International Harvester Company. Since the plant contains 40 per cent of the feeding-value of the whole crop, and as it is necessary to cut it just in the nick of time in order to keep all the valuable nutrients stored in the stover, no one can afford not to be properly prepared to go over the field without delays.

The big hay and grain crops caught many farmers unprepared, and the corn-growers should be able to profit by their experience. True economy lies in complete machinery equipment consisting of those machines which not only offer every advantage of superior quality, but also afford the important advantage of available repairs on the shortest notice.

If one buys a binder, mower, header, or corn-harvester, from the International Harvester Company, he is sure of a perfect machine to start with and that even if an accident should occur while in the midst of work, one can go to a nearby dealer and secure any necessary repairs.

This company has a representative, carrying a complete supply of repairs for each line it manufactures, in nearly every community in the country, and this policy of quick service is making thousands of new and staunch friends every year. Compare this convenience with having to send to some distant manufacturer every time something goes wrong, and having to hold up the work indefinitely. There is here a close connection with the pocketbook.

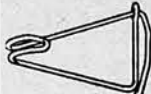
The same holds good with the whole line of farm machinery manufactured by the International Company, including, in addition to those machines already mentioned, Hay-balers, Shredders, Gasoline Engines, Wagons and Manure Spreaders. If you do not know the representative of this company in your neighborhood, you can write to the home office in Chicago and it will send you a letter of introduction and any other information you desire.

One of the hardest things I know of to put yure finger on is human happiness. A man gits it and looses it about as he duz the meazles.—Billings.



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Horticulture

Roses From Cuttings.

Comparatively few of those who grow roses ever think of propagating them from cuttings, yet it is in this way, and by layering, very easy to get plants of any desired kind. At this time of the year, September, both layering and making of cuttings may be done. Layering is the bending down of a shoot of the present season making a little upward slit in it in the upper side, where it will be buried in the ground, and then burying that part in the ground, using a little sand to immediately surround the embedded part, if it can be had. Done at once and left undisturbed until spring, the layers would be nicely rooted, when they should be cut off and set out to be plants of themselves. Cuttings made of half-ripened shoots of the present season, made now and set out in a favorable spot, would also be rooted by next spring, but in their case it would be as well to let them be undisturbed for a year, by which time they should be nice plants. Cuttings are made of lengths of about six inches. They are set in some shaded part of the garden, where the ground is moist; and shade must be provided for them if it does not exist naturally. The soil should be of a sandy nature preferably, especially that in direct contact with the cuttings, and it should be firmly pressed around the cuttings. Moisture overhead, by sprinkling if need be, must be present for the first cuttings, especially for the first week. When winter approaches and where freezing occurs, the cuttings should be well covered with forest leaves or other material, both to prevent the ground freezing hard and to keep the cuttings in the shade.—Practical Farmer.

Transplanted Onions.

The Rural New Yorker, in referring to a bulletin on onion culture issued some time ago by the New Mexico Station at Mesilla Park, N. Mex., says: "It seems that even in that country transplanted onions pay. Most people object to transplanting because they say it costs too much. Figures in this bulletin show that it costs about \$30 to set out the plants on an acre, assuming that a man can set 5,000 plants a day. That would be one every ten seconds in a 10-hour day, and I should be constantly reminded that I had a back if I tried it. With a boy to drop the plants for him, an active man might do it, but he would have no time to tell stories or look at the scenery. With all that, I think the work of transplanting is less than thinning or weeding with the fingers. The real objection to transplanting is the difficulty of doing it all at once. It will not do to let it dawdle along. When you are ready to transplant, put all hands at it and see that they work. I am satisfied that it pays us to thin or transplant so as to grow the big onions. Most of the persons who say that transplanting requires too much work, I believe have never given it a practical test. Their fears are only based on imagination. It surely is less work to transplant than to weed and thin, at least where the soil is as weedy as most rich lands are. From actual experience and test I would guarantee to set a thousand plants in just about an hour's time, provided the conditions are as favorable as they should be made, and as we always aim to make them. Of course, the plants must be in readiness for setting. I always carry and "drop" my own plants. I would not care to keep it up at this rate for ten hours, unless under some particular inducement. But it would be not much more than play for me to set 5,000 plants in ten hours. An active youngster of fourteen to sixteen can do it after having a little practice. When you see the results, however, as I can show them now, all doubts as to transplanted onions paying will be dispersed. The greatest difficulty we meet in this undertaking, it seems to me is to get the plants large enough for

transplanting in due time, which is just as early in spring as the soil can be put in proper shape. This, at least, is my preference, as it gives the largest onions. In case of necessity, that is, when the plants could not be had earlier, we allow this job of transplanting to be stretched out through May, and even up to June. Good onions are sometimes grown even then. On the whole, it must be said that "transplanted onions pay."

Potatoes—Food and Medicine.

A few years ago an "authority" on cooking started a crusade against the potato as an article of food. Figures and arguments were given to show that potatoes should not be eaten because they furnish neither bone, strength nor muscle. This woman meant well, but she did not know what she was talking about. Her attempted crusade fell flat, as it deserved to. The fact is that with the possible exception of Indian corn or rice the potato is the most important food-plant under cultivation. It feeds more working people who labor in Northern latitudes than any other crop-plant. Dr. Alexander Haig, of London, says that many of the ills of life are due to uric acid in the blood. He says that, roughly speaking, every one forms about one grain of uric acid for each 12 pounds of body weight. If this is removed freely there is no danger, if not, all sorts of disorders are possible. The problem of living is to get rid of this uric acid. Among other things, Dr. Haig says:

"With regard to quality of food I exercise here also, an important precaution. I am careful to eat potato (which contains a considerable amount of alkali), at least three times a day, the potato at breakfast being the most important, though not the most nourishing, item of the meal. I am one of those who do not think it a mere chance that the lowest, cancer death-rate in the United Kingdom is to be found in association with the largest consumption of potatoes in some of the country districts of Ireland. Cancer, as I have elsewhere pointed out, is associated with retention of uric acid in the body, and next to warmth and natural activity, there is nothing which is more likely to prevent this retention than the humble potato."

Thus, in addition to its food-value, the potato has its uses in preserving health. It is generally supposed that lettuce, celery, asparagus and other plants are "healthy," but it would seem from this that the solid old potato outranks them all. It is claimed by some authorities that the leaves and stalk of the common potato contain a narcotic principle. An extract prepared from the leaves has been used with good results in cases of cough, rheumatism and cancer. Other members of the plant family to which the potato belongs have well defined medical properties. With these facts and when we consider the many ways in which potatoes can be cooked and served we see what folly it is for ignorant people to advise against their use.—Rural New Yorker.

Pomological Awards.

Following medals were awarded for merit by the American Pomological Society at the 29th biennial meeting at Kansas City, Mo., September 21, 1905:

Missouri State Horticultural Society, silver medal for display of 400 plates

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Hardy varieties; yield big crops. Grafted Apple, 1/2; Budded Peach, 1/2; Black Locust, 1/2. 1000, Concord Grapes, \$2 per 100. We pay the freight. Catalog, English or German, free. **GERMAN NURSERIES** Box 128, Beatrice, Neb.

TREE PROTECTORS

75c per 100—\$5 per 1000. Send for samples and testimonials. Do not wait till Rabbits and Mice ruin your trees.

WRITE US TODAY

Hart Pioneer Nurseries
Fort Scott, Kans., Box 17

SEED WHEAT

Imported "Kharkov," the best hard (bearded) wheat for Kansas. Produced 40.90 bu. per acre at Fort Hays branch of Kansas State Agricultural College, being the greatest yield, and best quality of 164 varieties tested. See College Bulletin 128. All carefully re-cleaned and graded (tests 60 to 62), at \$1.25 per bu. in less than 10 bu. lots, \$1.15 for larger quantities.

CHAS. E. SUTTON, Box A, Russell, Kansas.



THEY MAKE THE WAGON STRONGER, MORE DURABLE
lighter running. Axles are re-inforced by a continuous steel bar, let in edgewise, and nipped at points of stress, making them practically unbreakable.
CLIPPED GEARS—No bolt holes to weaken axles. **THOROUGHLY SEASONED MATERIAL** and the best of workmanship only, are used in building.

THE MILBURN WAGON

If you are looking for the BEST WAGON that money can buy, let us tell you more about THE MILBURN.

ROCK ISLAND IMPLEMENT CO.
KANSAS CITY, MO.

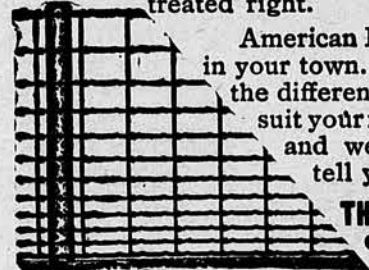
American Fence Talks

By the Makers

The structure of the American Fence is perfect. It is built of big, solid, lateral wires, with the upright or stay wires hinged. This is the most perfect structure for a square mesh fence, and is covered by patents which cannot be assailed.

There are many fences on the market. Some tell of their wonderfully hard wire; others speak of new form of construction that make all other forms look ancient and worthless. But through all this it remains a fact that more miles of American Fence are in use than of all others combined, and will continue so.

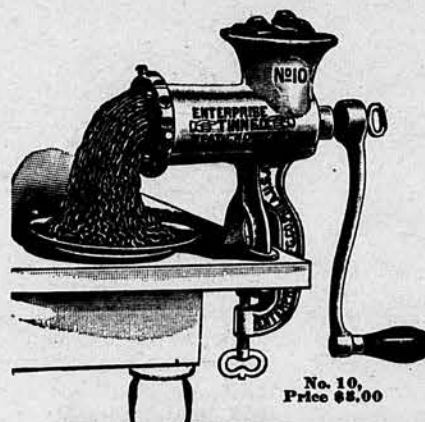
We do not sell direct—we sell through dealers all over the country. Only in this way are the buyers' interests looked after. The dealer becomes your business friend, and when you buy our fence of him he will see that you are treated right.



American Fence is for sale by the dealer in your town. You can find it there, examine the different styles and make a selection to suit your requirements. Or, write us direct and we will send you a catalogue and tell you where you can get the fence.

THE AMERICAN STEEL & WIRE CO.
Chicago Denver New York San Francisco

Ready to Butcher?



If you have an Enterprise Meat Chopper you are ready to butcher any time. This machine does away with all the hard work of sausage and scrapple-making. Saves meat and money. Cuts fine or coarse, just as you want it. Will save its cost in a week. Be sure the name "Enterprise" is on the machine you buy.

ENTERPRISE MEAT CHOPPERS

cannot get out of order. They cut clean and stay sharp. Will not break or rust. 45 sizes and styles, for hand, steam and electric power, \$1.50 to \$300. With an Enterprise Meat Chopper and an Enterprise Sausage Stuffer you can take care of all your meat, besides having daily use of the chopper in the kitchen. The Sausage Stuffer is also a perfect lard and fruit press. Write for the "Enterprising Housekeeper," a book of 200 choice receipts and Kitchen Helps, sent free.

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

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NURSERY STOCK
Of All Kinds at
WHOLESALE
Send us a list of your wants for prices.
We will save you
MONEY
Agents Wanted Everywhere
Hart Pioneer Nurseries
Fort Scott, Kans., Box 17

STAR best by Test—75 YEARS. We **PAY CASH**
WANT MORE SALESMEN Weekly
Stark Nursery, Louisiana, Mo.; Huntsville, Ala.

of apples, 19 of pears, and 17 of plums.
Elwanger & Barry, of Rochester, N. Y., silver medal for 124 varieties of pears.

C. G. Patten, of Chase, Iowa, silver medal for 45 different varieties of valuable fruit seedlings.

Stark Bros., Louisiana, Mo., bronze medal for display of apples and pears. Nebraska State Horticultural Society, bronze medal for 91 varieties of apples, 4 varieties of pears, and 5 varieties of quinces.

Fabian Garcia, of New Mexico, bronze medal for elegant display of grapes, apples and peaches.

O. E. Bassett, Fennville, Mich., bronze medal for 16 varieties of pears, 7 varieties of plums, 19 varieties of apples, and 11 varieties of peaches.

Honorable mention was made of following:

Ozark Company, fruit-growers of Goodland, Ark., collection of apples.

A. P. Nelson, Lebanon, Mo., collection of apples and pears.

Kansas Agricultural College, collection of grapes.

J. L. Williams, Kansas City, Kans., collection of apples.

Department of Agriculture of Florida, collection of loquats, Alligator pears, limes, bananas, sugar apples, etc.

W. S. Davidson, New Mexico, collection of apples.

W. L. McIntosh, Alabama, collection of Japanese persimmons.

Recommended for further trial—seedling grapes of Niagara, and the Seedless grape.

A Farmer's Opinion of Advertising.

My family must learn which is the best washing-machine, the purest coffee, the best dress goods, etc. through the advertisements in my farm paper. I expect these ads to give us as truthful descriptions of the articles for sale as an honest clerk would if we were shopping in some large city store. We haven't the opportunity to look around at different stores; we must buy mostly from advertisements.

Now, some advertisements don't look honest.

No farmer expects to get a set of harness free with every \$3 pail of stock food. We know somebody has got to pay for that harness, and we don't expect "something for nothing." We are perfectly willing to pay for what we get, but we do expect to get what we pay for.

The advertising that strikes me is the kind of the "Security Stock Food" people do. They give a spot cash guarantee that their stock food will do certain things and that their remedies will be successful. They don't claim the earth or absolutely promise to cure every disease known to farm animals. But they do say in every advertisement and on every package sent out, "If not satisfactory, we will refund price in full."

That's the kind of advertising I believe in. If any one differs from me, let him send his ideas to the publisher of this paper for publication.

NEW BOOK JUST ISSUED SUCCESSFUL FRUIT CULTURE

A Practical Guide to the Cultivation and Propagation of Fruits.
By SAMUEL T. MAYNARD,
Formerly Professor of Horticulture at the Massachusetts Agricultural College.

This book is written from the standpoint of the practical fruit grower; it is up to date in every particular, and covers the entire practice of fruit culture. It gives in plain, practical language, descriptions of such varieties as are most in demand in our markets, and the methods practiced by the most successful cultivators of many sections of the country. Separate chapters are devoted to the apple, pear, peach, apricot and nectarine, plum, cherry, quince, mulberry, grape, blackberry, raspberry, cranberry, strawberry, blueberry, huckleberry, subtropical fruits, propagation of fruit trees and plants, fruit growing under glass, insect pests and fungous diseases. The chapter on the apple is particularly comprehensive and complete, forming a monograph in itself. The chapter on forcing peaches, grapes, strawberries, and other fruits, describes the most successful methods of the present day, and is the most recent practical treatise on this important industry.

Illustrated. 5x7 inches. 265 pages. Cloth. Price, postpaid, \$1.00.

KANSAS FARMER COMPANY
TOPEKA, KANSAS

The Stock Interest

THOROUGHbred STOCK SALES

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

October 3, 1905—S. J. Marcum, Council Grove, Kans., Poland-Chinas.
Oct. 4, 1905—Shorthorns at Belleville, Kans. W. H. Shoemaker, Narka, Kans., owner.

October 5, 1905—W. H. Lawler and N. N. Ruff, Marshall, Mo., Shorthorns, Red Polls and Polled Durhams.
October 9, 1905—Poland-Chinas, E. E. Axline, Oak Grove, Mo.

October 11, 1905—American Hereford Cattle Breeders' Association sales at American Royal, C. R. Thomas, Manager, Kansas City, Mo.

Oct. 12, 1905—American Galloway Breeders' Association sale, Kansas City, Mo.
October 13, 1905—American Aberdeen-Angus Breeders' Association, Aberdeen-Angus, Kansas City, Mo. W. C. McGavock, Manager.

October 13, 1905—Herman Arndt, Alta Vista, Kans.; sale at Manhattan, Kans.

Oct. 17, 1905—Combination sale of Holsteins. M. E. Moore, Cameron, Mo.

October 18, 1905—Fancy Poland-Chinas at Osborne, Kansas, by F. A. Dawley, Waldo, Kans.

October 18, 1905—Poland-Chinas, W. B. Van Horn, Overbrook, Kans.

October 18, 1905—Chris Huber, Eldorado, Kans.

October 19, 1905—Poland-Chinas, M. S. Babcock, Nortonville, Kans.

Oct. 19, 1905—Poland-Chinas and Duroc-Jerseys at Fredonia, Kans. H. E. Bachelder, manager, Fredonia, Kans.

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, Kansas.

October 24, 1905—J. 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., Whiting, Kansas.

Oct. 28, 1905—Newton Bros., Whiting, Kans., Duroc-Jerseys.

October 31, 1905—Polled Durhams and Red Polls for W. H. Lawless and N. N. Ruff, Marshall, Mo.

Nov. 6, 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 15, 1905—S. H. Lenhart, Hope, Kans., Poland-China hogs.

Nov. 15, 1905—S. H. Lenhart, Dispersion Sale of Shorthorns.

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. Harrison, Mgr., Clearwater, Kans.

Nov. 28, 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 Herefords, 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.

Why Not Have Sheep?

EDITOR KANSAS FARMER:—I have been mortified at the insignificant showing that the State of Kansas makes on sheep, and thinking, as I do, that we have one of the best countries on earth for raising sheep, I hope to induce you to call the attention of our farmers to some facts pertinent thereto and to this end submit the following:

The population of the country is constantly growing, and there is a corresponding growth in the demand for mutton, and when it is known that from 1873 to the present date there has been a continued diminution in the number of sheep in the world, averaging about 3,000,000 sheep per annum, or a total of 93,000,000 head, it is surprising to me that as fair a State as ours, that should be foremost in this line of industry, should be so far in the rear. The writer has owned a flock of sheep for over fifteen years, and in no single year has he had a loss. Even under the Wilson free-trade tariff, with wool down to five

cents a pound, I made a profit. The same wool is now worth twenty cents in the same condition. The experience in Eastern Ohio has been that sheep are almost invaluable for cleaning up lands and fertilizing them. Cornfields into which sheep have been turned after the corn was in the roasting-ear have no crab-grass in them while on the other side of a fence you would find a wilderness of crab-grass.

Sheep pay semi-annual dividends—a clipping of wool in the spring and a lamb in the fall—and no domestic animal is so constant in its profitableness as are sheep. More especially is this true of the prairies and high lands of this State. We have a climate that is admirable for sheep, plenty of good water, and every inducement to the husbandman to have a flock of sheep on his farm. J. R. MULVANE.

Topeka, Kans.

The foregoing letter from the president of the Bank of Topeka calls attention to one of the anomalies of the farming situation. Mr. Mulvane has found his sheep profitable under all conditions of the wool market. Can it be said of any other animal, with the possible exception of the dairy cow, that it is profitable under all conditions of the market? Secretary Curburn has officially called attention to the favorable conditions found in Kansas for the sheep industry, but the dog industry seems to be preferred. It is hoped that Mr. Mulvane's letter will start a discussion that will lead to a larger development of a profitable sheep husbandry in Kansas.

Feeding and Dairy Questions.

How is thrashed alfalfa for feed compared with that cut in the usual way? In standing so long for the seed to mature is the woody fiber objectionable?

What is the value of apples and of pumpkins for milch cows or for fattening stock.

My cattle are Jerseys, and there is but one Jersey bull about here. I would like to have the address of some one having similar stock with whom I could perhaps exchange a young bull calf and thus get a good cross.

Shall I realize more by turning up the screw in the cream separator so as to test higher? I have turned it up to nearly 30 now. In shipping the cream to the creamery would it be better to use a large can (I have six cows) and send once a week?

W. I. HICKS.

Pottawatomie County.

Thrashed alfalfa has comparatively the same nutrition as that cut in the usual way, the difference being, that standing so long for seed to mature, the nutrition is rendered less available. The protein is not so digestible and the woody fiber takes more energy to digest than when cut earlier.

Apples and pumpkins are succulent feeds, stimulating the appetite similarly to corn silage, turnips, or beetroots, although there is a very small per cent of nutrition in them. Any succulent feed stimulates the appetite, has a cooling effect upon the body, helps digest feeds eaten with it, and is very palatable. Succulent feeds also have a laxative effect on the digestive system. They are very profitable to feed when pasture is dry in summer, or when no pasture is available during the winter months. They should not comprise more than one-fourth to one-third of the ration, depending on the condition of the cow. Cows producing milk require more succulent feed than fattening steers.

In regard to a bull, we have a half-Jersey and half-Guernsey bull calf, about 2 weeks old, which we will sell for \$10.

No, you will not realize any more by turning the cream-screw of your separator any farther than to skim higher than 30 to 35 per cent cream. It will make less to ship, but the amount of butter-fat will be the same in the cream whether there is more or less milk mixed with it. Ship your cream twice a week rather than only once, because it is old by the time it reaches the creamery if shipped only

Nothing Anywhere Like THE STOCK YARDS

The eighth wonder of the world is the Union Stock Yards, Chicago. Manager Skinner of the International Exposition has prepared a comprehensive article for the October issue of that authoritative paper—**BLOODED STOCK**. This contribution from so competent a source will make this number worth a whole year's subscription price—25c. Subscribe. Write for handsome free 32-pg. booklet. Blooded Stock, Box 228, Oxford Pa.

HARNESS BY MAIL
Direct from the factory. Selected stock, oak-tanned, custom-made. All styles. Guaranteed to give satisfaction, or return goods at our expense and get your money back. Illustrated catalogue and price-list FREE. The KING HARNESS CO. 15 Lake St., Owego, Tioga Co., N. Y.

WELL DRILLING MACHINES

Over 70 sizes and styles for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on sills. With engine or horse power. Strong, simple and durable. Any mechanic can operate them easily. Send for catalog.

WILLIAMS BROS., Ithaca, N. Y.

Rogue River Valley, Ore.

The world is familiar with the wonderful prices which have been obtained for Oregon apples. The Rogue River Valley is the seat of the best Oregon apple land. It is equally well adapted for all fruits. Bartlett and winter pears are just as profitable as apples. Alfalfa yields four crops annually WITHOUT IRRIGATION. Climate is perfect. Write Secretary of Medford Commercial Club for reliable information, Medford, Ore.

Allen's Lung Balsam

Cures deep seated Coughs and Colds, Croup and all Bronchial Troubles. \$1.00, 50c. and 25c. per bottle.

HOMO HEALTH

Cures Indigestion, Dyspepsia, Biliousness, and Constipation.

10c by Mail Spehr-Ertz Co., Albany, N. Y.

FIELD POST Made where used. No freight charges. Simple of construction. Excels in beauty, convenience and strength. Costs little more than oak or locust, will last for all time. Renders universal satisfaction. Real men wanted who can work territory. Descriptive matter free. Address with stamp.

ZEIGLER BROS., Hutchinson, Kans.

Farmer's Account Book and Ledger

Saves time and labor—a few minutes each day will keep it; systematizes farm accounts in every department; shows in the simplest manner how to increase profits and decrease losses; endorsed by farmers everywhere. We stand ready to refund the purchase price on every book not found satisfactory. Write today for free circular describing the book in detail. Address

H. G. PHELPS & CO., Bozeman, Montana.

PINK EYE CURE FOR HORSES AND CATTLE

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

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

ASTHMA

Climate's Wear Out. Smoke, Sprays and "Specifics" only relieve symptoms; they cannot cure. Our constitutional treatment removes the CAUSE of Asthma and Hay Fever from the blood and nervous system. Our patients enjoy life without the slightest return of symptoms. Appetite improved, blood enriched, nerves strengthened, health restored. **BOOK L FREE**, explaining our methods, with reports of many interesting cases. Address, P. HAROLD HAYES, Buffalo, N. Y.

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 there fore 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.

once a week. Besides this, it is second or third grade by that time and will bring one or two cents less, making it less profitable for you.

CHAS. W. MELICK.

Feeding Question.

Inquiry.—I have some sows that will farrow in 30 days. Have been feeding corn. Would it be better to change the feed, or keep on with it? Would it be possible to feed pigs in winter two parts oats and corn, fed dry to make them ready for early spring market? What is the best feed for sows in winter if they are on rape and wheat pasture all the fall?

Answer.—I should by all means change your ration somewhat for the sows that will soon farrow. Some proteinous feed should be fed in connection with the corn. This may be shorts, or shorts and alfalfa, or tankage, or shorts with a small amount of linseed-meal, but not more than two pounds of this meal per thousand pounds of live weight, in connection with the corn.

In regard to your inquiry, as to whether one part of shorts with two parts of oats and ground corn, is advisable to feed to pigs, will say that this is an excellent ration for pigs, but as they approach the period of marketing you should gradually replace the oats and corn.

The best ration for sows in winter is corn and some fine, leafy, alfalfa hay, or if this is not available, one part of shorts or middlings with two parts of corn is advisable to feed. If middlings are high, a small amount of linseed-meal can be fed in connection with corn, reducing the quantity of middlings. In every case it is advisable to feed a considerable amount of proteinous feeds in connection with corn to make pork-production economical.

O. EBF.

THE STRAY LAW.

How to Post a Stray. The Fees, Fines, and Penalties for Not Posting.

By an act of the Legislature, approved February 27, 1886, section 1, when the appraised value of a stray or strays exceeds ten dollars, the County Clerk is required, within ten days after receiving a certified description and appraisement, to forward by mail, notice containing complete description of said strays, the day on which they were taken up, their appraised value, and the name and residence of the taker-up, to the Kansas Farmer, together with the sum of 50 cents for each animal contained in said notice. And such notice shall be published in the Farmer in three successive issues of the paper. It is made the duty of the proprietors of the Kansas Farmer to send the paper, free of cost, to every County Clerk in the State, to be kept on file in his office for the inspection of all persons interested in strays. A penalty of from \$5 to \$50 is affixed to any failure of a Justice of the Peace, County Clerk, or proprietors of Kansas Farmer for a violation of this law.

Broken animals can be taken up at any time in the year.

Unbroken animals can only be taken up between the first day of November and the first day of April, except when found in the lawful enclosure of the taker-up.

No persons, except citizens and householders, can take up a stray.

If an animal liable to be taken up, shall come upon the premises of any person, and he fails for ten days, after being notified in writing of the fact, any other citizen and householder may take up the same.

Any person taking up an estray, must immediately advertise the same by posting three written notices in as many places in the township, giving a correct description of each stray, and he must at the same time deliver a copy of said notice to the County Clerk of his county, who shall post the same on a bill-board in his office thirty days.

If such stray is not proven up at the expiration of ten days, the taker-up shall go before any Justice of the Peace of the township, and file an affidavit stating that such stray was taken up on his premises, that he did not drive nor cause it to be driven there, that he has advertised it for ten days, that the marks and brands have not been altered; also he shall give a full description of the same and its cash value. He shall also give a bond to the State of double the value of such stray.

The Justice of the Peace shall within twenty days from the time such stray was taken up (ten days after posting) make out and return to the County Clerk, a certified copy of the description and value of such stray.

If such stray shall be valued at more than \$10, it shall be advertised in the Kansas Farmer in three successive numbers.

The owner of any stray may, within twelve months from the time of taking up, prove the same by evidence before any Justice of the Peace of the county having first, notified the taker-up of the time when, and the Justice before whom proof will be offered. The stray shall be delivered to the owner, on the order

of the Justice, and upon the payment of all charges and costs.

If the owner of a stray fails to prove ownership within twelve months after the time of taking, a complete title shall vest in the taker-up.

At the end of a year after a stray is taken up, the Justice of the Peace shall issue a summons to three householders to appear and appraise such stray, summons to be served by the taker-up; said appraisers, or two of them, shall in all respects describe and truly value said stray, and make a sworn return of the same to the Justice.

They shall also determine the cost of keeping, and the benefits the taker-up may have had, and report the same on their appraisement.

In all cases where the title vests in the taker-up, he shall pay into the County Treasury, deducting all costs of taking up, posting and taking care of the stray, one-half of the remainder of the value of such stray.

Any person who shall sell or dispose of a stray, or take the same out of the State before the title shall have vested in him, shall be guilty of a misdemeanor and shall forfeit double the value of such stray and be subject to a fine of \$20.

Judges for the American Royal.

Undoubtedly much of the success which the American Royal has attained has been due to the careful selection of judges. This year this work has been done with the usual care, and it is expected that the staff of judges will be satisfactory to all exhibitors. The judges are as follows:

Herefords—Thomas Clark, Beecher, Ill.; James A. Larson, Everest, Kans.; and Daniel Black, Lyndon, O.
Shorthorns—J. H. Miller, Peru, Ind.; N. H. Gentry, Sedalia, Mo.; and O. Harris, Harris, Mo.
Aberdeen-Angus—O. E. Bradfute, Xenia, O.

Galloways—I. M. Forbes, Henry, Ill.
Horse Department—Prof. C. F. Curtiss and Prof. W. J. Kennedy, Ames, Ia., and Col. R. B. Ogilvie, Chicago, Ill.

The judges for the car-lot division have not yet been selected. It is probable that A. J. Maurer, head cattle-buyer for the Fowler plant and local buyer for the United Dress Beef Company, will judge the Shorthorn car lots. It is also probable that Charles Hill, head cattle buyer for the Schwarzschild & Sulzberger Company, will pass upon the Angus car lots.

In the horse department Col. O. P. Updegraff, superintendent, reports 177 entries exclusive of the draft-horses to be shown in harness. The entries are divided as follows: Percherons, 84; Belgians, 36; Shires and Clydes, 26; French Coaches, 11; German Coaches, 20. This insures a horse show several times as large as any previous display in this department.

The following have made entries in the horse department:

Percherons—Watson, Woods Bros. & Kelly Co., Lincoln, Neb.; J. W. & J. C. Robinson, Towanda, Kans.; Avery & Son, Wakefield, Kans.; McLaughlin Bros., Kansas City, Mo.; J. Crouch & Son, Lafayette, Ind.; Adam Stamm, Letts, Ia.
Belgians—McLaughlin Bros., H. A. Briggs, Elkhorn, Wis.; Henry Lefebure, Fairfax, Ia.; J. Crouch & Son.
Shires and Clydes—John Sparrowhawk, Wakefield, Kans.; McLaughlin Bros.; A. G. Soderberg, Osco, Ill.; F. M. Mountjoy, Atlanta, Ill.; Watson, Woods Bros. & Kelly Co.

French Coaches—McLaughlin Bros.

German Coaches—J. Crouch & Son.
Draft horses in harness—Swift & Company, Kansas City, Kans.; Pabst Brewing Co., Milwaukee, Wis.; A. G. Soderberg.

"Push" Duroc-Jersey Hogs.

Editor Kansas Farmer:—As a good many farmers over the State of Kansas and Missouri after reading my talk "Push," want my experience with the Duroc-Jersey hogs, I will tell in a few words what I know about it and how I have succeeded with them. I bought one gilt at \$30, she farrowed me a fine litter of pigs one month after I received her, and in one year and six months I sold from the first gilt I ever owned \$1,000 worth of hogs and had four of her best gilts left for the next season's business. I bought that winter four more gilts at \$100 and the next year sold \$1,610 worth of hogs; making in the two years and six months, \$2,010 worth sold from an outlay of \$130 for gilts and \$125 for male hogs. I got the best male hogs I could find at a reasonable price, and how I succeeded you can see for yourself.

I find the red Duroc-Jersey hog to be the best adapted for my manner of raising hogs. I find them more profitable than any other breed of hogs, unless it be the Berkshires. I find them better rustlers and hogs that will adapt themselves to their surroundings and will go ahead and thrive whether you feed them grains or grass, slop or nothing at all; they will come as near making a hog out of the chance given them as any other hog on earth, and I think at a little less cost to the producer. You do not need to have any set rule to feed a Duroc hog but just give him the stuff, "push the button," as it were, and he will do the rest.

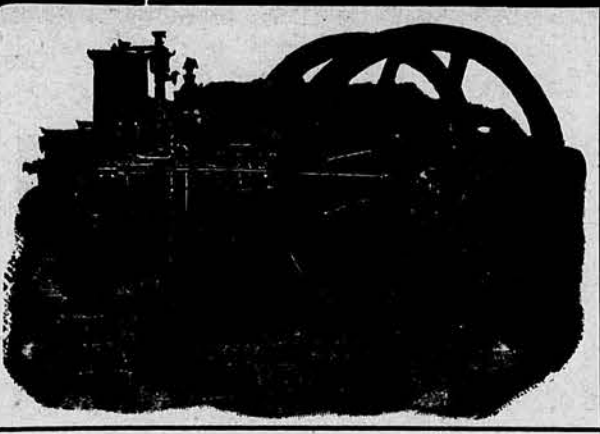
Albany, Mo.

C. M. SMITH.

American Royal Entries.

Following are the entries of breeding and fat cattle:

HEREFORDS—BREEDING STOCK.
Exhibitor. No. head.
D. C. Brackney, Roachdale, Ind. 6
C. L. Browning, Laredo, Mo. 3
S. L. Brock, Macon, Mo. 6
C. E. Bricker, Harrisonville, Mo. 1
C. G. Comstock, Albany, Mo. 1
T. W. Carmichael, Odessa, Mo. 1
Cargill & MacMillan, LaCrosse, Wis. 20
W. H. Curtice, Eminence, Ky. 22
Mrs. K. W. Cross, Emporia, Kans. 7
Clarence Dean, Newmarket, Mo. 2
Jas. A. Funkhouser, Plattsburg, Mo. 20
Gudgell & Simpson, Independence, Mo. 13
Jas. A. Gibson, Odessa, Mo. 8
S. J. Gabbert, Dearborn, Mo. 13
Benton Gabbert & Son, Dearborn, Mo. 2
Miss Lou Goodwin, Blue Rapids, Kans. 2
Jno. Hutson, Canyon City, Texas. 1
Jas. R. Henry, Gosport, Ind. 11
A. C. Huxley, Bunker Hill, Ind. 6
Dr. J. E. Logan, Kansas City, Mo. 6



**Western Made
and
Well Made**

Factory, BEATRICE, NEB.

Branches:
Kansas City, Mo.
Omaha, Neb.
Sioux Falls, South Dak.

**Dempster
Mill Mfg.
Co.**

**Manufacturers
of**

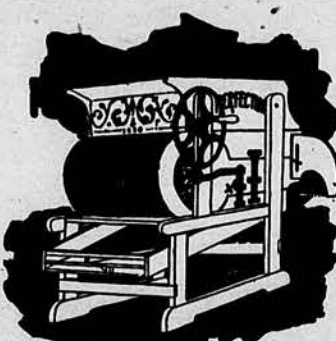
Gasoline Engines
Wind Mills
Pumps and Cylinders
Steel and Wood Tanks
Well Machinery
Grain Drills
Cultivators

THE "PERFECTION"

**Cleaner, Separator and
Grader of Seeds and Grain**

**You Can Sow
20%
Less of Seed**

**And Can Reap
20%
More of Grain**



The "PERFECTION" is not an ordinary machine; but is more of an improvement over the ordinary Fanning Mill than the Cream Separator is over the old time Skimmer. The prosperous farmer plants only the best of seed or grain. Why not belong to that class and plant only the first grade of seed, saving the foul, undeveloped and cracked grains to feed your hogs and chickens? The "Perfection" is the only machine that will absolutely leave wheat free from all rye, cheat, oats, etc., clover, alfalfa and millet free from all buckhorn and plantain, and the only machine on the market that will make THREE GRADES of the cleaned grain. We guarantee every machine to clean, separate and grade any and all kind of seed and grain with the greatest accuracy and if a "Perfection" which you purchase from us will not clean, separate and grade seed more to perfection than you could even suppose possible and your entire satisfaction it can be returned to us without one penny of cost to you. Every machine is made from the very best of material and we therefore can sell them on time if time is desired; because we know that they will stand every test. Drop us a line stating what kind of grain you raise and we shall be glad to send sample of same kind of grain, showing THE WAY A "PERFECTION" DOES ITS WORK. Also to quote prices and to furnish other valuable information regarding the "Perfection." Don't miss the opportunity of making 20 per cent more out of your crop, but write us at once. It has paid others many times over. It will pay you.

THE LEWIS-TUTTLE MFG. CO., Topeka, Kans

The EAGLE KAFFIR CORN HEADER



EAGLE MFG. CO.

The Only Machine Made That Will Successfully Head and Elevate Kaffir Corn
Write for Prices and Agency and Mention The Kansas Farmer

EAGLE MFG. CO., Kansas City, Mo., and Dallas, Texas.



BLACKLEG AIDS

THE SIMPLEST, SAFEST, SUREST AND QUICKEST
WAY TO VACCINATE CATTLE AGAINST BLACKLEG.

**No dose to measure. No liquid to spill.
No string to rot.** Just a little pill to be placed
under the skin by a single thrust of the instrument.

TO STOCKMEN—An injector free with 100 vaccinations.
For Sale by All Druggists. Literature Free—Write for it.

PARKE, DAVIS & COMPANY.
DETROIT, MICHIGAN, U.S.A.
BRANCHES: New York, Chicago, St. Louis, Boston, Baltimore, New
Orleans, Kansas City, Indianapolis, Minneapolis, Memphis, U.S.A.;
Waltham, Ont.; Montreal, Que.

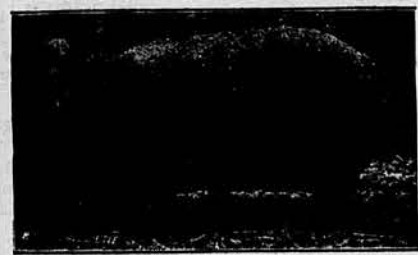
90 Duroc-Jerseys at AUCTION

Fellow Breeders of the Duroc-Jersey

OCT. 19, AT ALBANY, MO.

(Gentry County.)

Under tent, I will sell about 90 head of Duroc-Jersey hogs, consisting of ten mature sows that have been tried and not found wanting, and of such breeding as Duroc Challenger, Duroc King, Red Perfection, out of litter sister to Im-



prover 11th, Belle's Bishop out of Bishop's Choice, sired by Belle's Chief, a Jennie June 11th sow, a King Mortimer sow. Some of E. Z. Russell's famous Glendale sows, three of the Reed & Banks Oom Paul and other breeding. Thirty-five early spring boars, thirty-five early spring gilts sired by Young Giant, Dassel's Duroc Red Jacket, Short Stop, (full brother to Coles

Duroc) Banker, Wonder, Eclipse, Long John and others.

Come, and if I can't show you some good sows you need not look and where else for them for you are hard to suit. Good feet, backs, heads any ears, and about right. Will also sell one 18-month-old boar named Ben, 34563 out of Reliable by King Russell. Two yearling boars, Long John and Oom Paul breeding. Also one sow with litter of seven pigs.

Send for a catalogue, and look up the breeding, etc. Remember the time and place. Albany, Mo., Gentry Co., October 19. Free entertainment while here.

Col. John Brennen, Esbn, Kansas, Auctioneer.

C. M. SMITH,

Lone Star Route. ALBANY, MO.

R. L. Lane, Humphreys, Mo. 3
J. S. Lancaster & Sons, Liberty, Mo. 1
J. W. Lenox, Independence, Mo. 1
C. N. Moore, Lees Summit, Mo. 4
J. E. Rake, Richland, Kans. 2
Steele Bros., Richland, Kans. 17
Steward & Hutcheon, Bolckow, Mo. 12
C. A. Stannard, Emporia, Kans. 11
S. L. Standish, Hume, Mo. 3
R. T. Thornton, Kansas City, Mo. 8
W. S. Van Natta & Son, Fowler, Ind. 14
R. C. Wilson, Belton, Mo. 2
Yates Bros., Agency, Mo. 2

Total 234

HEREFORDS—FAT STOCK.

Exhibitor. No. head.
S. L. Brock. 7
C. A. Baker, Leeton, Mo. 3
Cargill & MacMillan. 1
Mrs. K. W. Cross. 2
E. J. Gabbert. 1
A. C. Huxley. 1
Jas. R. Henry. 2
C. V. Hull, Platte City, Mo. 3
Kansas Agricultural College, Manhattan, Kans. 1
Jas. E. Logan. 1
J. S. Lancaster & Sons. 3
C. A. Stannard. 4
Steward & Hutcheon. 1
Steele Bros. 1
Geo. M. Slaughter, Roswell, N. M. 1
Yates Bros. 1

Total 35

SHORTHORNS—BREEDING STOCK.

Exhibitor. No. head.
Ardmore Stock Co., Holstein, Ia. 8
H. A. Barber, Windsor, Mo. 3
W. A. Betteridge, Pilot Grove, Mo. 2
G. A. Betteridge, Buncheon, Mo. 1
Geo. Bothwell, Nettleton, Mo. 2
E. W. Bowen, Delphi, Ind. 7
W. W. Brown, Weston, Mo. 3
D. T. Bronough & Sons, Nashua, Mo. 1
Creswell & Carpenter, Braymer, Mo. 8
H. R. Clay, Plattsburg, Mo. 1
W. D. Clay, Plattsburg, Mo. 1
Fred Case, Harrisonville, Mo. 3
C. M. Chiles, Buckner, Mo. 1

Total 269

W. H. Dunwoody, Minneapolis, Minn. 12
Daniel Donohue, Appleton City, Mo. 1
H. C. Duncan, Osborn, Mo. 3
Joseph Duncan, Osborn, Mo. 7
W. A. Forsythe, Greenwood, Mo. 1
B. T. Gordon, Liberty, Mo. 1
B. T. Gordon, Jr., Liberty, Mo. 1
N. H. Gentry, Sedalia, Mo. 1
W. E. Gates, Sheridan, Mo. 1
F. W. Harding, Waukesha, Wis. 16
S. C. Hanna, Howard, Kans. 1
F. L. Hackler, Lee's Summit, Mo. 2
Kansas Agricultural College, Bell Air, Mo. 2
Chas. E. Leonard & Son, Bell Air, Mo. 6
Frank O. Lowden, Oregon, Ill. 16
George Manville, Dearborn, Mo. 2
O. E. Morse & Sons, Mound City, Kas. 6
F. M. Marshall, Blackwater, Mo. 2
C. S. Nevius, Chiles, Kans. 10
Purdy Bros, Harris, Mo. 14
Powell Bros., Lee's Summit, Mo. 4
Abram Renick, Winchester, Ky. 2
J. G. Robbins & Sons, Horace, Ind. 16
J. F. Stodder, Burden, Kans. 14
Henry Stunkel, Peck, Kans. 3
Tebbo Land & Cattle Co., Clinton, Mo. 15
Thomas, Jameson & Mitchell, Allen, Kans. 5
T. K. Tomson & Sons, Dover, Kans. 12
C. W. Thomas, Harris, Mo. 1
R. A. & J. A. Watt, Salem, Ont. 11
T. J. Wornall & Son, Liberty, Mo. 17
N. W. Wagner, Fremont, O. 8
W. R. Wilson, Arispe, Ia. 1

Total 254

SHORTHORNS—FAT STOCK.

Exhibitor. No. head.
C. M. Chiles. 2
Creswell & Carpenter. 1
H. C. Duncan. 2
Kansas Agricultural College. 2
J. R. Peak & Son, Winchester, Ill. 10
J. G. Robbins & Sons, Horace, Ind. 2
William Smiley, Malcom, Ia. 10
Tebbo Land & Cattle Co. 2

Total 31

ABERDEEN-ANGUS—BREEDING STOCK.

Exhibitor. No. head.
William Avery, Waldron, Ind. 8

Lowie Allard, Newton, Ia. 2
A. C. Binnie, Alta, Ia. 8
Omer Catterson, Maryville, Mo. 3
E. T. Davis, Iowa City, Ia. 11
Davis Bros., Maryville, Mo. 2
C. D. Hooker & Son, Maryville, Mo. 6
George Kitchen, Jr., Gower, Mo. 6
M. F. & S. E. Lantz, Carlock, Ill. 9
W. A. McHenry, Denison, Ia. 14
Philip C. McDonald, Princeton, Mo. 5
McLachlan Bros. & Johnson, Estill, Mo. 2
T. J. McCreary, Highland, Kans. 1
C. J. Martin, Churdan, Ia. 14
W. J. Miller, Metz, Ia. 10
Parker Parrish & Miller, Hudson, Kas. 13
M. M. Sterns, Humboldt, Neb. 6
W. B. Seeley, Mt. Pleasant, Ia. 3
J. B. Withers, Missouri City, Mo. 14
W. C. White, Carrollton, Mo. 1
Chas. E. Sutton, Russell, Kans. 3

Total 140

ABERDEEN-ANGUS—FAT STOCK.

Exhibitor. No. head.
A. C. Binnie. 3
C. D. Hooker & Son. 1
Kansas Agricultural College. 1
M. P. & S. E. Lantz. 3
T. J. McCreary. 1
W. J. Miller. 10
J. H. Rea & Son, Carrollton, Mo. 1
W. B. Seeley. 6
W. C. White. 2

Total 28

GALLOWAYS—BREEDING STOCK.

Exhibitor. No. head.
W. M. Brown & Son, Carrollton, Mo. 13
Brookside Fam Co., Ft. Wayne, Ind. 17
C. E. Clark, St. Cloud, Minn. 13
S. M. Croft & Sons, Bluff City, Kans. 12
G. W. Lindsey, Red Cloud, Neb. 10
J. E. Bales & Son, Stockport, Ia. 9
F. B. Wild, Cowgill, Mo. 6
Michigan Premium Stock Co., Davisburg, Mich. 5
Snodgrass & Hazen, Boicourt, Kans. 1

Total 85

GALLOWAYS—FAT STOCK.

Exhibitor. No. head.
W. M. Brown & Son. 2
G. W. Lindsey. 2

Total 4

Total Galloways. 89

Gossip About Stock.

Although they are the oldest breeders of Percheron horses west of the Mississippi River, Henry Avery & Son, of Wakefield, Kans., have never exhibited so strong a herd as they have had in the showing this year. In looking over our report of awards made at the Hutchinson State Fair we find that they won every possible first prize, three seconds, one third and every sweepstakes in the strongest show of breeding Percherons ever made in Kansas. Their winnings were first on aged stallion, 3-year-old mare, yearling mare, group of five mares, aged mare bred by exhibitor; first on pair of mares in harness, sweepstakes on draft-stallion, all breeds competing; sweepstakes on pair of draft-mares. In the other classes they either did not show or won second prize. When the competition is considered this is a remarkable showing. We understand that this herd of Percherons will be at the American Royal where lovers of good horses can have an opportunity to inspect the best there is.

John Regier, Whitewater, Kansas, owner of "Alfalfa Leaf" Shorthorn herd, starts his advertisement in this issue of the Kansas Farmer. Mr. Regier, in starting his herd was very careful in purchasing animals only of choice breeding and individual merit. His first purchase of 9 head including the bull, "Nonpareil Star" 88488, cost him an average of \$425. He has since added such cows as "Bashful Heroine" at \$450, and imported "Idelweiss" at \$705. Nothing but individual merit backed by good breeding will please Mr. Regier. He is offering our readers a choice 18-month-old bull by "Nonpareil Star" out of Lady Goodness that should go to head some good herd. This is a bull of individual merit that would make him a candidate for first honors in the best shows and should be exhibited at the American Royal. Write Mr. Regier or go see this grand young bull.

The annual fall sale of Poland-Chinas by that well-known breeder, M. S. Babcock, Nortonville, is an event that is looked forward to by the farmers and breeders who desire good and reliable stock both as to breeding and individual excellence. His next sale will be held at the private sale pavilion at his farm adjoining Nortonville, on Thursday, October 19, at which time he will sell 70 head which will include 20 young Harmonizer gilts and 25 young boars and get of this famous sire. He will also sell 6 boars the get of the great show boar Medler. His offering also includes 12 brood sows bred to Harmonizer, several of which will have pigs at side at the sale. Other herd boars in use in this herd are Kansas Chief and Corrector 2d. Intending purchasers should write at once for a free illustrated catalogue.

M. C. Vansell, Muscotah, Atchison County, Kansas, will hold his annual fall sale at his farm one and a half miles north of town on Monday, October 23, at which time he will sell 60 spring pigs, farrowed from February 27 to April 10, and comprise 24 boars and 25 gilts, also one yearling boar. The pigs in this sale were sired by Rival Perfection 30251, Jones' Style 31064 and Useful Sunshine 37182. Most of the pigs are sired by the first-named herd boar. Mr. Vansell will also sell 8 young Shorthorn bulls sired by the pure Scotch bull Clipper Chief 174514 that was owned by Mr. Vansell and Mr. M. A. Low. These youngsters are out of dams that are splendid milkers of the following desirable families: Victorias, Young Marys, Beautys and Princesses. Catalogues will soon be ready and may be had on application to Mr. Vansell.

Many new bargains are offered each week in our Special Want Column. Among others, this week, J. W. Ferguson, of Topeka, Kans., offers a few very fine Poland-China boars for sale. They are the right kind and will be priced right.



GOMBAULT'S CAUSTIC BALSAM

A safe, speedy and positive cure for

Curb, Solint, Sweeny, Capped Hock, Strained Tendons, Founder, Wind Puffs, and all lameness from Spavin, Ringbone and other bony tumors. Cures all skin diseases or Parasites, Thrush, Diphtheria. Removes all Bunches from Horses or Cattle.

As a HUMAN REMEDY for Rheumatism, Sprains, Sore Throat, etc., it is invaluable. Every bottle of Caustic Balsam sold is warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use. Send for descriptive circulars, testimonials, etc. Address THE LAWRENCE-WILLIAMS COMPANY, Cleveland, Ohio.

Fistula and Poll Evil

Do yourself what horse doctors charge big prices for trying to do. Cure Fistula or Poll Evil in 15 to 30 days. Fleming's Fistula and Poll Evil Cure is a wonder—guaranteed to cure any case—money back if it fails. No cutting—no scar. Leaves the horse sound and smooth. Free Book tells all about it—a good book for any horse owner to have. Write for it. FLEMING BROS., Chemists, 812 Union Stock Yards, Chicago, Ill.

FREE DIP

For Hogs, Sheep, Cattle

Send us your name and address and we will send you a sample of DIPOLENE—The One Minute Stock Dip free—enough to convince you that it is the cheapest and best dip made. Send today. Marshall Oil Co., Box 14, Marshalltown, Ia.

CARE OF HOGS

An illustrated book on how to keep hogs free from Lice, Worms and Scoury. Protect from Disease and bring to early maturity at small cost with Car-Sul. Contains illustration and price of hog dipping tank and many suggestions of value. Mailed Free on request. MOORE CHEMICAL & MFG. CO., Dr. H. J. WHITTIER, Pres., 1501 Conness Street, Kansas City, Mo.

SICK HOGS WANTED!

We buy sick hogs and cure them, or send a man to treat your hogs and guarantee a cure. SNODDY'S HOG CHOLERA CURE never fails. Tested and endorsed by reliable swine breeders everywhere. Treatment is simple, anyone can use it. A \$5.00 case will cure forty hogs. Full particulars free. Agents wanted. DR. D. C. SNODDY CO., NASHVILLE, TENN., or OMAHA, NEB.



KARSOLENE DIP

A DIP FOR HEALTH. A DIP FOR WEALTH. It is Unprofitable to Feed Uncomfortable Stock. Karsolene is sure death to lice, 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. U. S. CHEMICAL MFG. CO., Dept. E, 1421 W. 12th St., Kansas City, Mo.

GLOBE STOCK DIP



Manufactured exclusively by O. Robinson & Co. is the most reliable and effective disinfectant on the market. Kills Lice, Ticks, Vermin and insects of all kinds. Absolutely harmless. Does not gum the hair, crack the skin or injure the eyes. Cures Mange, Scoury, Itch, Scab, Ringworm, Canker, Sore Mouth, in fact all skin diseases. Nothing better for healing wire cuts, wounds, grease heel, castrations and if used after dehorning cattle, will prevent crew worms from getting in the head.

We also manufacture Globe Stock Food, Globe Poultry Food, Globe Worm Destroyer and Dipping Tanks. Write for prices and particulars.

1701-5 Clark St Chicago, Ill. O. ROBINSON & CO. 409 Grand Ave Kansas City, Mo

Gossip About Stock.

E. D. King, Burlington, Kansas, had an excellent exhibit of Berkshire hogs at the Burlington Fair, and won all the prizes in the classes in which he had entries. Mr. King has 100 choice spring pigs for the trade, practically all new blood. Also has a nice lot of fall pigs that he will book orders for to be shipped when weaned if customers at a distance wish to purchase these at that time. One especially fine litter of 8 out of the Canada bred sow, "Matchless 7th," who was the first prize sow at Toronto in 1902, and produced the sow and boar which won the first prizes in their respective classes in 1903. Matchless 7th dam of the first prize sow in England at the Royal, another example of prize-winners producing prize-winners and it is more than probable that this litter will prove themselves to be chips off the old block.

Mr. E. D. King has changed his advertisement in the Kansas Farmer in order to make a special announcement that will be of great interest to all breeders of Berkshire swine. He says that Premier Durham, the boar that he is now offering for special sale, is the best young boar ever offered in Kansas for the money. His dam is the best sow ever sired by the champion Lord Premier 60001. She cost \$150 when a suckling. She brings a herd boar at every litter. Among them were Big Ben, Locust Blossom, and Matchless 7th, each of which won first prize in hot competition at Toronto, Canada. This will be a great opportunity for buyers who want a herd boar.

Last week, Watson, Woods Bros. & Kelly, of Lincoln, Nebr., landed the best shipment of imported Belgians, Percherons, Shires and German Coach stallions they have ever owned. Mr. Joseph Watson has been in Europe for some time buying up this cargo of horses and his shipment included about forty head of the best he could buy. Regret was expressed by many horsemen at the Nebraska State Fair that this importation could not have arrived in time for that show. With the forty head now added to their stables, Watson, Woods Bros. & Kelly are prepared to supply horses to any one who desires good ones.

Col. L. F. Burger, of Wellington, Kansas, found time to stop over one day at the big fair at Hutchinson and shake hands with his numerous friends among the live-stock breeders. The genial colonel has a very large number of friends and every time he makes a sale he also makes more friends. As a big getter he is hard to beat and he pulls the bids with such infinite good humor that his customers are always glad they were present. He can yet fill a few more dates, but it must be done quickly. Write him for dates and terms, and mention the Kansas Farmer.

Geo. D. Wiley & Sons, South Haven, Kansas, have one of the good herds of Duroc-Jerseys and have a choice lot of spring pigs of either sex. Also they are offering some choice bred sows and gilts. They have recently added a new herd boar sired by the champion World's Fair hog last year of which we will have more to say in the future. Watch Kansas Farmer columns for public sale announcement and correspond with Mr. Wiley if in the market for Durocs of any kind.

J. R. Roberts, Deer Creek, Oklahoma, writes that he has the nicest lot of spring pigs that he has ever raised. These, with the number of late fall pigs, places him in a nice position to supply his old customers and new ones also with well-bred Poland-Chinas of individual merit. He is making a special offer of three boars sired by "Perfection." The prize-winning boar shown by H. E. Lunt at the World's Fair at St. Louis last year. Mr. Roberts will sell 12 head at the Wheat Belt Breeder's combination sale at Arkansas City October 16 to 18, and 10 head at the combination sale at Anthony November 22.

At the State Fair at Topeka, visitors were interested in noting that a new herd of very choice Shorthorns was represented among the exhibits, and the interest grew when it was learned that they belonged to D. H. Forbes & Son, of Cedar Heights Farm, just west of Topeka. Surprise was expressed that such a herd of cattle existed here without being better known. The cattle on exhibition had not been specially fitted and still Mr. Forbes won a first, two seconds, a third and a fourth premium in competition with recognized show-herds. Interest was at once taken in a strange herd that could come into a show-ring and give so good an account of itself. When it is learned, however, that this herd traces in part to The Baron who was so long the herd bull of Andrew Pringle's Sunflower Herd, the quality of the animals is easily accounted for. Cedar Heights Herd now numbers about sixty head with Geo. Cook 14473, Baron Knight 22411 and Royal Violet 24374, a Scotch youngster sired by Prime

Minister out of Golden Violet, tracing to Imp. Wood Violet, at the head. Mr. Pringle has refused more than \$1,000 for Prime Minister and the dam of this last-named bull cost him more than half that sum. In the cow herd Mr. Forbes has a great uniformity of color and a tendency to easy fleshing. Lorraine by Sir Knight is the dam of the three heifer calves that were shown this year and is one of the best cows on the place. Flora McDonald 6th, also by Sir Knight, won second prize at the State Fair. There are many other good ones and it would be difficult to choose among them. Mr. Forbes has about a dozen young bulls of serviceable age sired by one of his herd bulls, and quite a number of cows and heifers both bred and open that are for sale. His advertising card appears on page 1009. His prices are reasonable and the quality of his stock is high. In writing him please mention the Kansas Farmer.

Announcement is made by the Rock Island-Frisco Systems of the inauguration of a daily through tourist car St. Louis to Los Angeles, via Frisco Line to Medford, Kansas, thence Rock Island-El Paso Line to California.

This provides an entirely new tourist car route to the Golden State, and with the installation of this car the Rock Island has no less than ten through tourist lines between the East and California. These cars start from Chicago, St. Louis, St. Paul and Minneapolis and run through via either the Rock Island's Southern Route by way of El Paso, or Scenic Route by way of Colorado. This frequent and comprehensive service is provided with a view to adequately meeting the demand for tourist accommodations under the very low rates effective in September and October.

T. A. Hubbard is making every preparation possible for a successful sale at Wellington, Kans., October 18. He gets a one-fare rate on account of the big Carnival that week. This applies to all points within 200 miles of Wellington. Mr. Hubbard is placing an excellent offering up for the public to buy at their valuation. Remember when you go to the farm to buy at private sale, Uncle Tom makes the price. This day you set the price, and as the breeding of the offering is that which is wanted by all good breeders, we predict the attendance of a large number of the best breeders of these popular breeds. Be sure to get the catalogue and be represented either in person or by the auctioneers or newspaper representatives.

At the Nebraska State Fair, one of the exhibitors of draft- and coach-horses was somewhat handicapped because of the fact that he was sold very short and his new importations had not arrived in time for the fair. Last week the greatest importation of Percherons, Belgians, Shires and German coach-horses that ever came to Lincoln, Nebr., arrived from their long trip across the ocean. This included forty-two head belonging to the Lincoln Importing Horse Company. They were accompanied by Mr. A. L. Sullivan, manager, who had personally purchased them in Europe. They arrived in fine condition and this company will now be prepared to meet the demands of their trade with better horses than ever before.

There was a great show of Chester White hogs at the fair, about 100 head being on exhibition. F. D. Humbert of Nashua, Ia., who was a prize-winner at the World's Fair and also at the Iowa and Nebraska State Fairs this year, was present with his herd. Dr. O. L. Kerr, Independence, Mo., who owns the champion herd of the breed, brought a herd for exhibition and sale. Alvey Bros., Argentine, Kans., who had the distinction of having bred the ancestors of 90 per cent of the World's Fair prize-winners of this breed made a good showing. Altogether, it was one of the best exhibits of the breed ever shown in the West.

This year the Kansas Duroc-Jersey breeders came in contact with a herd from Missouri which proved to be a good one, and belonged to B. W. Harned of Beaman, Mo. Mr. W. F. Garrett of Portis was winner of the first prize in aged-boar class and J. B. Davis of Fairview won first on boar 6 and under 12 months. The other prizes were nearly equally divided among these three breeders.

A. P. Wright of Valley Center, Kans., is a young breeder of Poland-China hogs who has started right. At the fair he won first on boar 18 and under 24 months, also on sow of the same age, and on sow 12 and under 18 months. He was given a blue ribbon on aged herd as well.

W. R. Peacock, Sedgwick, Kans., has an excellent lot of choicely bred Poland-Chinas on hand. Note the advertisement in this issue. Mr. Peacock will quote prices to all inquirers and will announce a public sale a little later.

In spite of the tremendous down-pour of rain which spoiled the best days of the fair, the fair association is prepared to pay all bills and premiums in cash. Had the weather continued favorable there is no doubt but a nice balance would have remained in the treasury.

Capital Bluff Hereford Sale.

The first annual sale of Capital Bluff Herefords, the property of the late I. D. Yarrick, Blue Rapids, Kans., was held at the farm, one mile southeast of Blue Rapids, September 27 and 28.

From the herd of 300 head a draft of 92 were offered for sale consisting of 80 cows and 12 bulls. Two of the herd bulls, Bachalaureate and Keep On 43d, were included in the sale.

The sale as a whole was a success, though the prices realized were not as much as they should have been, but the fact that some of the offerings was quite aged was one of the reasons that the average was cut down, another was the small attendance.

The sale was held in a large sale tent and was conducted by Colonels Edmonson, Sparks, and Brady, assisted by Colonels Albright and Gordon.

Mr. Morgan, who has charge of the sale, has an ideal location for his Herefords, on the West Bluffs of the Blue River Valley. Gus Brock, of Blue Rapids, paid the top price for the cows, \$265

AXLINE'S Annual Fall Sale

MONDAY, 9, '05, OAK GROVE, MO.

60--HEAD POLAND-CHINAS--60
YOU KNOW THE KIND

25 fall Gilts, all open; 4 fall Boars; 15 early spring Gilts; 16 early spring Boars. The sires of the offering are—Sunshine Chief, Stylish Perfection, Chief Perfection 2d, Perfect Success, Perfect Tecumseh, Keep On, On And On, Prince Alert, G's Perfection, Klever's Ideal, Sure Perfection, Corrector's Son, Corrector 2d and Chief McKinley. Where can you find a greater variety of up-to-date breeding? No postponement. For auctioneers see catalogue.

SALE WILL BE HELD AT USUAL PLACE

Free entertainment at hotels for parties from a distance. Everybody invited to attend whether you buy or not. Sale will begin at 1 p.m. sharp. Send for free illustrated catalogue. Long distance telephone at farm.

E. A. AXLINE, OAK GROVE, MO.

Rural Free Delivery No. 17.

for the Imported 7-year-old Bountiful 80-100. The top price for bulls was \$200 for the herd bull, Keep On 43rd 154606, sold to J. P. Noon, of Cawker City.

The ninety-two head averaged \$79.45. It is significant to note that all animals except one went to Kansas buyers.

The list of purchasers was as follows: Barney Weeks, Blue Rapids; M. A. Stansbury, Osborne; C. W. Stansbury, Osborne; Jno. Granger, Clay Center; C. B. Steele, Waterville; Ed. Toburen, Cleburne; H. F. Sonaker, Winkler; A. J. Greenwalt, Hamlin; Ed. Holt, Barnes; G. H. Malby, Barnes; G. Sands, Randolph; Aug. Hukriede, Cleburne; W. McBrown, Fall River; F. W. Roepke, Bodysville; Peter Jones, Beattie; J. P. Noon, Cawker City; H. J. Toburen, Cleburne; A. Driscoll, Beattie; W. H. Trospen, Frankfort; Lewis Holt, Barnes; W. H. Johnson, Frankfort; Wm. Johnsmeyer, Cleburne; Gus. Borek, Blue Rapids; Fred Kaump, Waterville; H. N. Deman, Blue Rapids; B. F. Litton, Russell, Iowa.

Cures Bone Spavin and Spavin.

Milwaukee, Wis., 1089 25th Ave., Layton Park, August 15, 1904. Dr. B. J. Kendall Co., Enonburg Falls, Vt. Gentlemen:—It looks like ingratitude that I have not written sooner and let you know what very good results I have had with your Kendall's Spavin Cure. The treatment which I have been giving my horse with your Spavin Cure and Blisters for Bone Spavin and severe sprain, has proved entirely satisfactory, and she is as healthy and sound on her limbs as Cure whenever opportunity offers. I have had excellent results from its use on human flesh. I sprained my hand and used your Spavin Cure without delay. Two applications relieved all pain and swelling, leaving the joint in normal strength. Gratefully yours, FRIDA FULDNER.

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

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

A Great Pacific Coast Bank.

The rapid and substantial development of the State of Washington can not better be illustrated than by the record of its great bank, the Old National Bank of Spokane, whose announcement is found upon another column of this paper.

This financial institution, among the first founded in Spokane, has over three and a half million dollars upon deposit, a strong indication of the wise and forceful policy which governs it.

Mr. D. W. Twoby, the president, will be glad to send the statement of the bank to those who would like such information or who may contemplate settlement in Spokane or the State of Washington.

Good Looks.

Take care of your face. Personal appearance makes a big difference in your chance for success. It is not necessary to be handsome, but nobody likes to look at a face that is irritated and broken out. There would be less face trouble if every shaver would use real shaving soap, made especially for this purpose, instead of laundry or toilet soaps. The J. B. Williams Co., Glastonbury, Conn., make the "only soap fit for the face." In another column they offer to send a free trial sample of William's Shaving Soap.

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, Kas.

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.

\$10.00 Sweep Feed Grinder.

\$14.00 Galvanized Steel Wind Mill.

We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

CURRIE WIND MILL CO.,
Topeka, Kansas.

SCALES

30 DAYS FREE TRIAL

AMERICAN SCALE CO.,
1204 AMERICAN BANK BLDG., KANSAS CITY, MO.

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.

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

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OF
Auctioneering and Oratory
Davenport, Iowa

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.

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, Neb.

MACHINE OIL

\$3.50 A BARREL

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

T. C. DAVIS, Benedict, Kans.

Benedict, Kans., August 26, 1905.

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

The Young Folks

CONDUCTED BY RUTH COWGILL.

Pa's Almanac.

These's lots of books in our house, Esop and Thomas Hood, Josephus, Poe, and Parley's tales, and others just as good; In fact, up in the garret, for I've seen them there myself, Are half a hundred dusty books piled on a yellow shelf. But Pa he never touches one from out that musty stack. For when he has the chance to read, he reads the Almanack.

He reads the leading "Hints to Health" and what will cure an ache, And when there's uric in your blood the pills that you should take, The symptoms of black measles and the points on heart disease; And as Pa turns the pages back he thinks he has all these, "By gum!" he'll say with troubled look, "I've sharp pains in my back, And that's the way lumbago comes—it's in the Almanack."

We like to see Pa winter nights sit by the open grate An' read aloud his Almanack an' tell us just the date That Nero played his fiddle while old Rome was burning red And when that wicked English king cut off poor Raleigh's head, It's mighty interesting, and the jokes that Pa will crack Are just the kind that fill each page of his old Almanack.

Pa reads the tide a hundred times, and when's the next eclipse, And he has all the weather news right at his finger tips. He knows just when dry spells are due and when wet weather's near, And sometimes he puts on his gums when all the weather's clear; "It isn't raining yet," he'll say, "but 'twill ere I get back," And if it doesn't we dassn't laugh—'twas in the Almanack. —Puck.

An Incident of the War in the Philippines.

LOUISE CASTLE WALBRIDGE.

It was Joe's turn to go on guard, and as he was leaving the tent to discharge that duty as a faithful soldier should, the colonel of the regiment called him aside.

"A man has been killed every night at that post," he said, "and I want to warn you if you hear suspicious sounds, fire first and call halt afterwards."

A pleasant prospect for Joe! And as he walked on to take his station he was pondering his chances for life.

The marauder who had sent so many brave boys out of the world had succeeded in passing two lines of men, the outposts and the pickets, and it was a guard he chose for a victim every night, stealthily approaching under cover of the darkness and flinging a knife with unerring and deadly aim.

Joe was no coward, but as valiant a soldier as any serving in the volunteer corps, yet his blood ran cold as he thought of that unseen foe creeping up towards him—no warning, no chance to fight, only a knife flying through the air, and then silence forever.

He wished he had a hundred eyes with sight that could pierce the darkness closing down around him, but as he had only two eyes, ears must serve him well if he was to see the light of another day, and warily he paced back and forth, back and forth, the sounds of voices gradually dying away as the regiment sank to rest.

The camp was in timber with underbrush everywhere, a favorable situation for midnight attacks; and as Joe kept steadily on with his regular tramp, tramp, he expected every minute to be his last. But the two hours of his first watch passed with no sound save his own footfall, and when the relief guard came he went unscathed to his quarters.

At three he was on duty again, pacing over his beat with thoughts busy with the tragic fate of his comrades, and questioning what the night still held for him. The intense stillness that precedes the dawn weighed upon him as he brooded, and he could not shake off the feeling that his doom was approaching.

A sudden crackling in the underbrush brought him to a standstill. Leaning forward, with one hand on his rifle, and every sense alert, he listened

and listened again. Off in the darkness, something was moving, stealthily creeping and slipping along, then pausing only to move again, always coming nearer and nearer. Joe stood rooted to the spot, scarcely breathing, and utterly unable to move a muscle. There was a faint click as if a gun were loaded or a knife drawn and that aroused him to action, and in desperation he sprang behind a tree, peering cautiously out from behind it as he made his rifle ready to obey the colonel's instructions.

At this juncture the guard at the next post reached the end of his beat and as the two met Joe hurriedly gasped:

"Somebody is creeping up on us. Quick! We must fire!" Instantly, two rifles were raised and there were two reports. Something fell in the bushes, struggling, and then all was still.

Joe's courage had now returned and in a stentorian voice he called, "Halt!" while his fellow guard shouted the number of the post, the words hardly leaving his lips before a bugle blast responded, and immediately the entire guard came running followed by the colonel.

"What is the matter?" he shouted.

"I've killed something," said Joe.

"What did you see?" asked the colonel.

"I didn't see anything; I heard," answered Joe, and then he told of the crackling underbrush and the struggle that followed the discharge of the rifles.

"The relief guard will remain here, and you, until morning," commanded the colonel, "when you can investigate and report."

Accordingly, two men were left for reinforcement and the four watched the night out. As soon as daylight appeared, they sallied out to search the underbrush, and not far from Joe's tree they found the enemy that had called out the colonel and eight men for protection—a little, inoffensive Philippino burro who had been surreptitiously browsing within the American lines.

It was the noise he made slowly stepping along that seemed the creeping of a man, the pulling up or breaking off of the brush was the drawing of a knife, and the crunching of these stolen sweets between his teeth was the click of firearms, and for this innocent enjoyment of an all too scanty fare, the little burro had forfeited his life.

Alexander's Vacation.

BY ETHEL S. YOUNG.

The family were going away for two weeks. It was impossible to take Alexander. Accordingly, they put his plate and saucer on the back steps, arranging with a neighbor to feed him. Then at train time they shut him out of the house with farewell pats, and advised him to pretend that he, too, was having a vacation.

Now Alexander had had no experience in vacations. Holidays he had taken occasionally, at times when he felt himself disliked. But there had been no disturbance in the house of late, so he went to the door at the usual time the next morning. His breakfast was on the top step. He ate it without stopping to wonder why it was not under the kitchen table.

It was Alexander's custom to spend the morning on the sitting-room lounge, in a little hollow which he had softened with his own hairs. This morning there was something wrong. How could he steal into the sitting-room without first being let into the kitchen? Alexander looked up at the closed door and uttered a loud "Mew!" The door remained shut even after prolonged scratchings on the wire screen. Possibly it was Sunday morning and no one was up; patience, then, and a nap on the doorstep.

If "every day'll be Sunday by and by," Alexander for one will be dissatisfied. Morning after morning it was the same. There was always plenty to eat, but no one appeared at the door. Even the hole he soon made in the screen did him no good. He was

obliged to take his daily naps in corners of the porch or under the syringa bushes.

Daytimes were lonely enough, but evenings were worse. At night Alexander had been in the habit of lying in the lap of any member of the family who would hold him. Now he was obliged to content himself with a friendly stroke from passers-by, as he sat on the gate-post, or walked the fence with a "pet me, please," arch of his back. Sometimes he spent the evening with family groups on neighboring piazzas. Sometimes he followed to their homes friends of his family who happened to speak to him in passing. He craved companionship those lonely evenings, when his own house was strangely dark and silent.

Towards supper time one afternoon he chanced to see three girls of his acquaintance crossing the field beside the house. He trotted after them and followed some distance before they discovered him. Then he would not go home. They were taking a strange path—it led into the woods, in fact. Alexander felt nervous and stopped continually to perch himself on stumps and survey the country. Then the familiar voices of the girls would reassure him, and he would run along beside them again.

Finally they came to a large, flat rock. On this they seated themselves comfortably and began to spread out papers. Ah! Alexander's nose had not deceived him all this long and dangerous journey. Sandwiches were not his favorite viand; but the meat could be eaten out neatly from between the slices of bread. Cheese crackers he found to be delicious. This supper was indeed an improvement on a saucer of milk lapped tamely on the back porch.

On the return Alexander took the lead as the protector of three young ladies. When nearly home a dog rushed out barking. Alexander darted home like a flash.

As he turned in at the gate some one came to the long-closed front door and began calling, "Alec, Alec!" He bolted in and made a bee-line for the kitchen. They followed out after him and fed him. He ate as if not a morsel had come his way all the time they had been gone.

While he ate the sense deepened that things were beginning to go right again. Hurrying into the sitting-room he jumped into the first lap he came to. He worked his paws blissfully in the soft folds of the familiar dress. His head was stroked in just the place he liked best, and he was called pet names that he had almost forgotten. He rolled on his back. He purred.

At last he went to the lounge. Finding his own little hairy hollow, he turned around in it three times, curled his tail around his ears and went comfortably to sleep. Alexander's vacation was at an end.—Congregationalist and Christian Work.

There are deep places in life. For years we pass on in a circle of routine until we reach a crisis. Sometimes years of cloudless prosperity are at once interrupted by a succession of troubles, as the smooth stream of a river is broken by rapids and hurried suddenly down a cataract. The happy family is entered by death. Love is disappointed, hopes are frustrated, prosperity ceases, adversity comes, sickness despoils us of our energies. In such hours we seem to descend, step by step, into still more profound depths of trial and sorrow. But from these depths the heart sees God more clearly than from the sunny hilltops of a happy life—as persons can see the stars at midday from the bottom of a well. When all around us grows dark the inward light grows stronger and clearer.—J. F. Clarke.

Out of the soil in which deciduous leaves are buried the young tree shoots vigorously, and strikes its roots deep down into the realms of decay and death. Upon the life of the vegetable world the myriad forms of higher life sustain themselves, still the same law, the sacrifice of life for life. —E. W. Robertson.

For the Little Ones

Special Words.

My mother she has special words
She's always using, but I find
The ones that I've most often heard
Is Bu-um-by and Never-mind.

Whenever I can't have my way,
And beg her "when?" and tease her
"why?"
The things she's likeliest to say
Is Never-mind and By-um-by.

An' when our picnic stopped becuz
It rained, or sumpin' of the kind,
The only things she told us was
Just By-um-by and Never-mind.

I ast when By-um-by would be.—
She told me "Never-mind!" so I
Said what is "Never Mind" and she
Said I'd discover By-um-by.

My mother she has special words
For question-answering and such,
But I guess some that I have heard
Don't really mean so awful much.
—Burgess Johnson, in Harper's Magazine.

Nellie, the Shepherd Dog.

BY CHARLOTTE BALLARD.

It was a fine family Nellie had, ten little squirming, squealing puppies. Oh, how proud she was of them! They were only a few days old. So far she had scarcely left them except she hunted up her mistress, and led her to the nest under the porch. She had stood wagging her tail and almost laughing in her pride, as her mistress took them one by one from their nest and placed them in her apron.

"They are beauties, Nellie," she said, patting the shaggy head, "but what will we ever do with so many?" But Nellie did not seem to think ten were too many. She crawled back to her bed and her mistress placed the puppies beside her.

It had seemed strange to Nellie the last four or five days not to go out on the range with the sheep.

To-night she heard the quick soft tramp, tramp, tramp, of the hundreds of little hoofs, and the deep "Ba-a-a!" of the old sheep and the shrill "M-a-a!" of the lambs, as the herd came in from the range.

Nellie looked at her babies. They were all sound asleep curled against one another warm and snug. She nosed them all gently to make sure they were all there and all safe. Then she crawled from her nest and trotted off to perform her usual duty of corralling the sheep.

It took quite a little time even though Nellie was an expert at her business. But she would not leave till the last sheep was inside the corral and the gate closed. Then she bounded away to her babies.

She crawled under the piazza and called softly to her little ones. Two only answered with their little squeaky whines. Where were the rest? They were too young to crawl. Something must have got them!

Frantically Nellie sniffed around to find out what had been near the nest. She could smell nothing but Tom, the stable boy's foot. Could he have taken her babies?

She went to the bank and looked over. Oh cruel, cruel Tom! There they were—her eight puppies under the cold dark water!

Down she dived and brought them up, one at a time in her mouth and laid them tenderly on the bank.

Something was wrong. They were cold and she knew they must be hungry, yet they did not move nor make a sound.

She called to them in her soft growling whine, and touched them with her nose. How terribly cold they were! She lay down beside them and tried to warm them, but they chilled her instead. What could she do? Perhaps her mistress could help her.

She bounded back to the house and gave three short sharp barks at the door.

"What's the matter, Nellie?" said her mistress opening the door.

Nellie looked into her face appealingly and whined.

"Is anything wrong with the babies, Nellie?" said the mistress.

Nellie gave a mournful howl and started down the piazza steps, then paused with one foot raised and looked

back at her mistress as if to say, "Oh, please do come and help me!"

The mistress threw a shawl over her head and followed the dog. Straight to the creek they went.

Nellie went to each puppy, touched it with her nose, then looked up in her mistress' face and whined.

"Oh, Nellie," said her mistress sadly, "I can't help you. They are dead."

"My poor Nellie," she said, and her eyes were full of tears. "It is no use. The puppies are dead. Come away. Come and take care of the others."

Nellie understood. She licked her mistress' hand. Then she licked each little dead puppy, as if in farewell, and slowly with drooping ears and tail, she followed her mistress back to the house.—Pets and Animals.

THE INTERNATIONAL SUNDAY-SCHOOL LESSON.

(Copyright, Davis W. Clark.)

Fourth Quarter. Lesson II. Daniel vi:10-23. October 8, 1905.

Daniel in the Lion's Den.

The Hebrew race has furnished several prime ministers of first ability to great empires. Not to mention those of profane history and modern times, Joseph was chief adviser of Pharaoh in Egypt and Daniel of Darius in Babylon. In neither instance was there anything in the religion of the incumbent to unfit him for affairs of State. On the contrary, there was much that qualified. But religion did not shelter from the shafts of envy. Though "chaste as ice or pure as snow," he could not escape calumny. No "crime was so great as daring to excel."

The unswerving rectitude of this fearless Hebrew was a constant rebuke to his fellow-officials. Just at this juncture the king took steps toward a civil-service reform and meditated making Daniel head of the bureau. It looked as if their speculations were about to be unearthed. Self-preservation as well as jealousy now prompted the conspiracy against the life of this incorruptible servant of the State.

The plot was well suited to the king's vanity and weakness. It was cleverly suggested that obedience to this decree would be a conspicuous recognition of the fact that the king not only reigned by Divine right, but that he himself was Divine. This is a figment of antiquity which survived even to our own day in the Divine nature accorded until recently to the Mikado of Japan.

Daniel had a room built on the flat roof of his palace, a sky-parlor, where, isolated from his household, he could give himself to devotion. For fifty years his face upturned in prayer at the lattice had been a familiar sight to the passerby. The very inveteracy of his habit is what suggested the trap of his enemies. The decree is

sealed. It is irreversible. Daniel knows it. Will he desist or continue? His life is the forfeit. Lynx eyes are on his lattice. At the appointed hour he appears there according to his custom. It is not with the spirit of bravado; not because he is reckless and headstrong; but because a principle is at stake, and he is the most conspicuous representative of his race. As he does, so will they. The power of a thousand sermons is concentrated in his conduct in this emergency. Great in the council-chamber, he is greater in the closet of prayer.

The weakness of Darius makes a good foil for the courage of Daniel. If he had not the adage, "A bad promise is better broken than kept," he had at least the principle which underlies it, for that is perennial. The promise to do an unjust and inhuman thing is best kept in the breach of it. Or, if this fiction of the remediless penalty must be observed, then Darius should have gone to the den in Daniel's stead.

The palace and the den—What a contrast! In that building "the marvel of mankind," the monarch of the world, was restless and unhappy. He loathed the dainties of his banquet-room, nor would he listen to music. Sleep forsook him. An upbraiding conscience and a consciousness of unkingly weakness were his companions.

In the den Daniel had the indescribable joy of an approving conscience, void of offense toward God and man. He had the fulfillment of the promise, "He shall give His angels charge concerning thee." His security was complete, his companionship angelic. The steadfastness of Daniel and his consequent miraculous deliverance was the finishing touch in the providential process of preparing the Hebrews for their exit from bondage. The circumstance had a powerful educative effect upon the heathen also.

The Teacher's Lantern.


Religion not impracticable. Nothing in it inimical to true success. On the contrary, the best preparation for business, professional, political, social, and domestic life. Instances: History, sacred and profane, ancient and modern.

The meanness of envy. The despicable means it will take to accomplish its end.

The elevation of weak and vain men to office a public misfortune.

Incidental evidence of the authenticity of Scripture. Casting into a lion's den a mode of capital punishment in Babylon.

The use of providential crises, where, by a heroic stand, one can do



Mayer School Shoes

are made extra strong. The soles are seasoned and tough, and every seam is sewed to hold.

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

Wear Like Iron.

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

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

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

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a life-time of good in a few moments.

Examples of the habit and spirit of prayer in those occupying high positions.

Bad promises; the folly of making them, and what to do with them when once made.

The desirability of a good conscience, which can transmute a lion's den into a safer and happier place than a royal palace.

A Reading Lesson.

It is a well-established fact that the average school-teacher experiences a great deal of difficulty when she attempts to enforce the clear pronunciation of the terminal "g" of each present participle.

"Robert," said the teacher of one of the lower classes during the progress of a reading exercise, "please read the first sentence."

A diminutive lad arose to his feet, and amid a series of labored gasps breathed forth the following,—

"See the horse runnin'."

"Don't forget the 'g', Robert," admonished the teacher.

"Gee! See the horse runnin'."—September Lippincott's.

In drowning accidents where expert swimmers suddenly lose all control of their powers, the usual explanation of cramps is beginning to be looked upon as insufficient. It has been noticed that persons having disease of the middle ear, who have already shown symptoms of vertigo, are especially liable to such accidents, and as the semicircular canals are the organs of direction, it is suggested that even a slight hemorrhage in this delicate structure from a blow by the waves would result in utter helplessness. Persons with ears not perfectly sound are therefore warned against swimming in rough water.

It costs money to be a gentleman farmer. A Boston man who has had an estate in Maine, keeps a fine herd of Jersey cows. He had a party of city friends at dinner. At the table he said to them: "Gentlemen, there is champagne and there is Jersey milk; you can take your choice; they cost me just the same."—Exchange.

WE PAY \$36 A WEEK AND EXPENSES to men with legs to introduce poultry compound. Your contract. IMPERIAL P.O. CO., DEPT. 10 PARSONS, KANS.

Painkiller PERRY DAVIS
The world-known household remedy for cuts, burns, bruises—cramps, diarrhoea and all bowel complaints.

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\$50 to \$100 per month salary assured our graduates under bond. You don't pay us until you have a position. Largest system of telegraph schools in America. Endorsed by all railway officials. Operators always in demand. Ladies also admitted. Write for catalogue.

MORSE SCHOOL OF TELEGRAPHY,
Cincinnati, O.; Buffalo, N. Y.; Atlanta, Ga.; La Crosse, Wis.; Texarkana, Tex.; San Francisco, Cal.

The Kansas State

Agricultural College

OFFERS courses in Agriculture, Domestic Science, General Science, Mechanical Engineering, Electrical Engineering, Architecture and Veterinary Science. Also short courses in Agriculture, Dairying and Domestic Science. Admission direct from the country schools. A preparatory department is maintained for persons over eighteen. Necessary expenses low. Catalogue free. Address

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CANCER

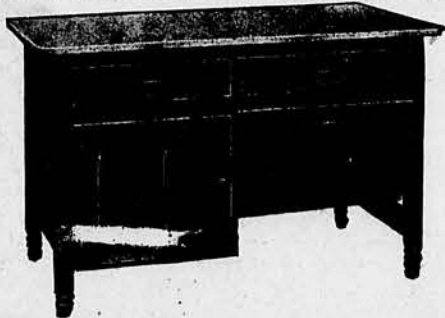
The only absolute cancer cure in the world and we challenge its contradiction. The cure is permanent or money is refunded by Our Responsible Incorporated Institution. We do not use the Chloride of Zinc formula in the minutest form, such as is in practice by all cancer specialists of Chicago, Kansas City and elsewhere, and which treatment removes the growth but not the disease, and is therefore worthless, as it makes all cases so treated worse, the disease always returning at a more dangerous location. Our remedy and treatment is original in every detail, and here we again challenge contradiction. We do not use the knife or administer chloroform or ether. Write for book or testimonials and information. We warn you against the X-Ray treatment.

DUBUQUE CANCER SANITARIUM,
Dubuque, Iowa

BOOK FREE FARM TELEPHONES How to put what they cost—why they save you money; all information and valuable book free. Write J. Andre & Sons, 822 W. Water St., Milwaukee, W.

A \$10 KITCHEN CABINET FREE THE LARKIN IDEA SAVES MONEY

The double cost of buying from your retailer is convincingly demonstrated by a single Larkin Factory-to-Family purchase. The middlemen's expenses and profits are saved and given you in a \$10.00 Premium free with each \$10.00 purchase of **Laundry and Toilet Soaps, Toilet Articles, Coffee, Teas, Spices, Extracts, Baking Powder** and many other daily needs. The purity and high quality of Larkin Products is appreciated by over three million regular, satisfied customers.



MADE OF HARD WHITE MAPLE—ONE OF THE 150 \$10.00 PREMIUMS.

Write for New Premium List No. 15 and Larkin Product Booklet. They interest every housewife.

HOMES FURNISHED WITHOUT COST

The average family uses \$10.00 worth of various Larkin Products every month. You can furnish your home conveniently and comfortably without cost. Larkin Premiums are excellent in design and finish. Products and Premiums are shipped on **THIRTY DAYS' TRIAL**—satisfaction guaranteed or money refunded.

Established, 1875. **Larkin Co.** Buffalo, N. Y.

The Home Circle

CONDUCTED BY RUTH COWGILL.

Autumn.

Autumn is on the lake and on the land,
Sweet, solemn, fair is she and nobly grand,
Whence words no likeness bear. A temple scene;
Where fold on fold the curtaining colors wave,
Hiding fair shrines their deeper depths between,
And grace the presence of a sacred grave.

For the Summer in her ripest age has died,
All hail to this new-comer, just espied,
On knoll, in wood, in vale; along the streams
That, winding downward, join the vaster lake;
The nestling flocks upraise their strident screams
To summon kind to kind from swamp and brake.

Far away, the Indian camp fires wreath
Softly and lazily beneath the hills;
And all the landscape thrills with calm delight,
As though the temple-bells were tinkling low,
Telling us that aged Summer died last night
And passed in peace to land of sunset glow.

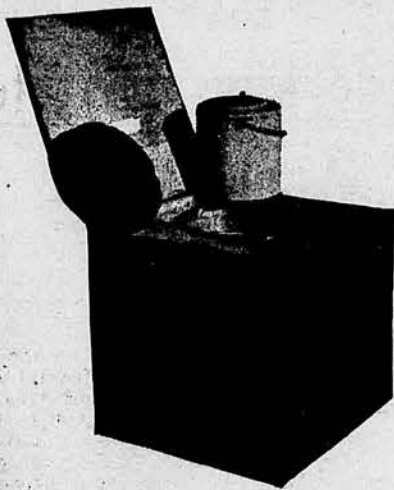
It is at such a time of year the soul
Comes close in touch with nature's whole design,
Each season, dying, thus gives birth to new,
As though, indeed, an Over-love were near
Teaching us thro' nature little meanings true,
Read in the changing seasons of the year.
—Clyde Adams.

The Norwegian Cooking Box, or Food Cozy.

ADDRESS OF MISS GERTRUDE COBURN, BEFORE THE FEDERATION OF CLUBS AT THE TOPEKA STATE FAIR.

The box here shown is a simple contrivance to maintain for several hours, in a kettle of water, a desirable temperature for the cooking of certain foods.

In its manufacture an enameled pail, or kettle, was first selected of a size and shape to hold a leg of mutton or a large fowl, and with a closely fitted lid. To enclose and protect this kettle a cylinder was made of sheet copper, tinned on one side, the diameter of the cylinder being sufficient to allow the kettle, including bail, to be set inside; and the length three inches more than the length of the pail.



MISS GERTRUDE COBURN'S COOKING BOX.

THE COOKING-BOX.

(This cylinder is the least perfect feature of the apparatus. Metals are excellent conductors of heat. If a suitable cylinder could be made of a non-conducting material, as a stiffened felt or even straw board, the results would be much better. But the matter of cleanliness has led to the use of the sheet metal of a sort that will not rust, until a better container can be decided upon.)

The cylinder was set in the center of a cubical, wooden box, six inches wider each way than the cylinder and three inches deeper. Around the cylinder and to a depth of three inches beneath it, in the box, was loosely packed cleaned, coarse sheep's wool (six or seven pounds), and a circular cushion three inches deep, filled with the wool, made to fit closely in the cylinder on top of the covered kettle. In other words, the kettle was surrounded by three inches of non-conducting material besides the wood of the box

and the air-space within the cylinder.

The kettle filled with boiling water and shut into the box for twelve hours will be scalding hot when taken out, and after eighteen hours will be considerably more than lukewarm. The heat simply has no good way to escape from the kettle.

Such an arrangement is advantageous when preparing foods which require long application of moisture and heat to soften structural materials and liberate appetizing flavors. Many of our lowest-priced foods are of this nature, yet they do not call for boiling temperature more than a few minutes, if at all. In fact, as Count Rumford demonstrated more than a century ago, some of the most valuable foods we have are best cooked without boiling. This fact was later emphasized in England by W. Mattieu Williams in his "Chemistry of Cookery," and again in this country by Edward Atkinson in his "Science of Nutrition," but it has not been sufficiently recognized or appreciated in our schools of domestic economy nor in our recipe books.

It is generally understood that there is a close relation between cheap, raw materials and slow cookery; but one of the problems least easily solved for the average household is that of utilizing inexpensive foodstuffs without a comparatively large expenditure of fuel. Also, long cooking usually means much watching by the cook when she is needed elsewhere.

Foodstuffs are called cheap when abundantly produced at home, inexpensive, easily kept throughout the year, and rich in nutriment. They are called healthful when of a nature and preparation to supply easily the needs of the human body for tissue and energy. If cheap raw material can be converted into healthful food without considerable addition to the original cost, the result is economical.

Our cheapest vegetable foods are corn, wheat, oats, barley, peas, beans and lentils. These are all seeds—embryo plants surrounded by their food materials and completely protected by tough, hard, insoluble coverings—Nature's armor against moisture and cold and enemies. The nutriment for the tiny plant is mainly starch, insoluble in water until chemically changed, but needing water before the change can take place; and this starch and the other nutrients for the sprouting plantlet are held in a network of strong, tough cellulose, a substance akin to wood, capable of being softened, but not dissolved, by water. The preparation needed before this food-supply is ready for the plant is practically the same that makes it suitable for human nutrition, with the one exception that man applies a higher temperature to the wet starch and by bursting the starch grains reduces the time necessary for the chemical solution. The little plant has within the seed the substance (diastase) needed to change the insoluble starch to soluble; man has a corresponding substance in the mouth, secreted by the salivary glands. As the green seed, growing ripe, was slowly deprived of water by long exposure to summer sun and drying air, it can not be quickly re-saturated; before any break-up of its interior tissues can take place there must be such a thorough saturation that the starch and cellulose are perfectly wet. After that, raising the temperature to the boiling point causes expansion, bursts many of the saturated cells, and finally completes the cooking necessary for human digestion. However, as we all know who have soaked beans for baking, this water penetrates very slowly—literally soaks in—since there are no tubes through which it can circulate; and for the same reason the grain or bean or fruit is not quickly heated through, no matter how fiercely the fluid about it may be boiling.

If we can keep boiling or almost boiling water surrounding the well-soaked seed for several hours, a softening process goes on until the seed is not only tender but also of greatly improved flavor. If this can be done with a low-priced food, with the minimum expense for fuel, and in such a way that no watching is necessary, then we have food cooked at the least possible expense.

WORKING WOMEN

Their Hard Struggle Made Easier—Interesting Statements by a Young Lady in Boston and One in Nashville, Tenn.



All women work; some in their homes, some in church, and some in the whirl of society. And in stores, mills and shops tens of thousands are on the never-ceasing treadmill, earning their daily bread.

All are subject to the same physical laws; all suffer alike from the same physical disturbance, and the nature of their duties, in many cases, quickly drifts them into the horrors of all kinds of female complaints, ovarian troubles, ulceration, falling and displacements of the womb, leucorrhoea, or perhaps irregularity or suppression of "monthly periods," causing backache, nervousness, irritability and lassitude.

Women who stand on their feet all day are more susceptible to these troubles than others.

They especially require an invigorating, sustaining medicine which will strengthen the female organism and enable them to bear easily the fatigues of the day, to sleep well at night, and to rise refreshed and cheerful.

How distressing to see a woman struggling to earn a livelihood or perform her household duties when her back and head are aching, she is so tired she can hardly drag about or stand up, and every movement causes pain, the origin of which is due to some derangement of the female organism.

Miss F. Orser of 14 Warrenton Street, Lydia E. Pinkham's Vegetable Compound Succeeds Where Others Fail.

By soaking beans in cold water, heating the water to boiling and continuing it at boiling temperature until the beans are heated through the skins, enclosing in the box for several hours, and again heating to the boiling point before serving, we can make the forbidding bean a palatable, digestible and nourishing food.

Cut or crushed seeds, like cracked wheat and oatmeal (our very best breakfast and children's foods, when well cooked), can be put into boiling water first, boiled for a few minutes, shut into the box over night, and reheated to boiling in the morning for breakfast. This gives the ideal cereal food. Rice in the same way may be easily prepared for a variety of purposes, and corn-meal mush is much improved by being long kept hot after its period of boiling.

The same process is applicable to dried fruits, which are our cheapest sub-acid foods during a part of the year, and are notably healthful. Take, for instance, the prune. When it is ripe and full of juice it cannot be squeezed dry like a sponge, but the water must be evaporated very slowly in the sun, or by artificial heat. On the other hand, when a prune is dry it will not absorb water rapidly. Long soaking is necessary first to restore the original proportion of water, and the long application of moderate heat will thoroughly soften the cellulose.

In none of this cooking is bubbling

Boston, tells women how to avoid such suffering; she writes:

Dear Mrs. Pinkham:—

"I suffered misery for several years with irregular menstruation. My back ached; I had bearing down pains, and frequent headaches; I could not sleep and could hardly drag around. I consulted two physicians without relief, and as a last resort, I tried Lydia E. Pinkham's Vegetable Compound, and to my surprise, every ache and pain left me. I gained ten pounds and am in perfect health."

Miss Pearl Ackers of 327 North Sumner Street, Nashville, Tenn., writes:

Dear Mrs. Pinkham:—

"I suffered with painful periods, severe backache, bearing-down pains, pains across the abdomen; was very nervous and irritable, and my trouble grew worse every month. My physician failed to help me and I decided to try Lydia E. Pinkham's Vegetable Compound. I soon found it was doing me good. All my pains and aches disappeared, and I no longer fear my monthly periods."

Lydia E. Pinkham's Vegetable Compound is the unfailing cure for all these troubles. It strengthens the proper muscles, and displacement with all its horrors will no more crush you.

Backache, dizziness, fainting, bearing down pains, disordered stomach, moodiness, dislike of friends and society—all symptoms of the one cause—will be quickly dispelled, and it will make you strong and well.

You can tell the story of your sufferings to a woman, and receive helpful advice free of cost. Address Mrs. Pinkham, Lynn, Mass.

Lydia E. Pinkham's Vegetable Compound Succeeds Where Others Fail.

and tumbling of the water and stirring of the material advantageous. The ebullition only breaks and makes unsightly the grains of fruit, without benefit.

I have spoken especially of dried fruits, but winter apples and other fruits inclined to be woody are better for a long rest in the box after an ordinary stewing.

In the average household account-book the largest item of expense is for meat. In the majority of cases it is larger than it need be, for in no other buying does a little study, thought and personal attention to details count for so much. It is easy for the poorest as well as the richest man to excuse his extravagance with the misapplied dictum that "The best is the cheapest." But in meats "best" does not necessarily mean most costly.

From a beef-animal weighing 1200 pounds, giving a dressed carcass of say 708 pounds, or approximately 60 per cent of its live weight, are obtained the following proportions:

Pounds.	Per lb.	Value.
92 of porter-house at 22c		\$20.24
68 of prime of ribs at . . . 18c		10.88
34 of sirloin at 18c		6.12

Or 194 pounds of first-choice meat at an average price of 19 cents per pound.

Pounds.	Per lb.	Value.
28 of rump at 10c		\$2.80
124 of round at 8½c		10.54

Or 152 pounds of second-choice meat

at an average price of 8.7 per pound.

Pounds.	Per lb.	Value.
24 of neck at	4c	\$0.96
112 of plate at	4 1/2c	5.04
22 of flank at	5c	1.10
130 of chuck at	7 1/2c	9.75
50 of shin at	4c	2.00
24 of shank at	3c	.72

Or 362 pounds of third-choice meat at an average price of 5.4 cents per pound.

The 514 pounds of second- and third-choice meat may be bought at an average price of 6.4 cents per pound, or only one-third of what the so-called "choice" portions of the carcass cost. In other words, one can buy the not necessarily less palatable or whole-some 514 pounds of second- and third-choice cuts for \$4.33 less than would be charged for the 194 pounds of first choice.

(To be continued.)

The People's Shoe Makers.

The Mayer Boot & Shoe Co., of Milwaukee is designated as the People's Shoe-makers because it provides shoes for each and every member of the family from the baby up. It makes shoes suitable for every conceivable use and supplies the proper thing for all purposes and conditions. Their factory has a capacity of 6,000 pairs per day. Whether a working shoe for the farmer, mechanic, miner or lumber-man, or the most stylish and up-to-date shoe for Sunday wear and special occasions; whether it is shoes for boys and girls, misses or ladies, every-



FACTORY OF THE F. MAYER BOOT & SHOE CO., MILWAUKEE.

day shoes or dress shoes, this big factory supplies them all. The Mayer establishment has a well-earned reputation for making excellent goods and for using only the best materials in the production of foot wear. Its trade mark, which is stamped on the sole of every Mayer shoe, is a safe guide to follow when looking for reliable shoes.

"Mayer School Shoes" are known everywhere as the "shoes that wear like iron." "Martha Washington" is the name of the company's most popular comfort shoe, make without buttons or laces and for which there is a big demand among ladies who seek extreme comfort. Mayer's "Western Lady" represents the most approved and up-to-date style in ladies' shoes and "Honorbilt" for men is what best dressers everywhere are wearing. Mayer shoes are supplied by leading shoe-dealers.

The Larkin Idea Helps Homes.

While all realize that comfort and happiness are essential to every home, many may not know that over a million families attribute much of their happiness to the Larkin Co. of Buffalo.

The story is, that over twenty-five years ago this firm thought of a cooperative plan of selling their soaps direct to families at a saving of one-half to the consumer.

"You can't do it," said some. "How absurd to think of ordering a little thing like soap through the mails from the factory," said others.

The thought developed into the Larkin Idea of factory-to-family dealing—people became interested. A customer ordering \$10 worth of laundry and toilet soaps and some toilet preparations received as a premium a free \$10 desk, chair, table, couch, or other selection from twenty-five \$10 articles. They got good soaps and good furniture; in fact, these premiums alone couldn't be purchased at retail for less than the amount paid for both soaps and premium. This interested people still more; for homes could be furnished without cost.

To get a \$20 retail value for \$10 was true economy years ago and always will be.

To-day the Larkin Co. has increased its products to include over 100 articles embracing laundry and toilet soaps, starch, toilet articles, coffee, teas, spices, extracts, baking-powder, and many other home needs. The latest Larkin premium list contains nearly nine hundred premium offers which include everything most homes require if furnished completely, comfortably, even elegantly.

The name "Larkin" is a household word, made so by fair and liberal dealing, and Larkin customers appreciate the many advantages of buying direct from factory-to-family. One woman expressed the opinion of a good many when she wrote:

"Because of the excellent quality of your products, the thoroughly honest and upright dealing I know I shall always receive, and the many benefits to be derived, it gives me pleasure to send you my orders from time to time."

Every housewife will be interested in the Larkin Co.'s advertisement in this issue.

The man who never takes enny risks makes az menny blunders as enny-boddy.—Billings.

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. E. Asher, Lawrence
Auditor.....Mrs. Grace L. Snyder, Cawker City

Our Club Roll.

Mutual Improvement Club, Carbondale, Osage County (1895).
Give and Get Good Club, Berryton, Shawnee County (1895).
Women's Literary Club, Osborne, Osborne County (1895).
Women's Club, Logan, Phillips County (1895).
Domestic Science Club, Osage, Osage County (1895).
Ladies' Croquet Club, Tully, Rawlins County (1895).
Ladies' Social Society No. 1, Minneapolis, Ottawa County (1895).
Chautau Club, Highland Park, Shawnee County, (1895).
Ontario Club, Phillipsburg, Phillips County (1895).
Literature Club, Ford, Ford County (1895).
Reuben Club, Mission Center, Shawnee County, Route 1, (1895).
Star Valley Women's Club, Iola, Allen County (1895).
West Side Forestry Club, Topeka, Shawnee County, Route 8, (1895).
Fortnight Club, Grant Township, Reno County (1895).
Progressive Society, Rosalia, Butler County (1895).
Pleasant Hour Club, Wakarusa Township, Douglas County (1895).
The Lady Farmers' Institute, Marysville, Marshall County (1895).
Women's Country Club, Anthony, Harper County (1895).
Taka Embroidery Club, Madison, Greenwood County (1895).
Mutual Improvement Club, Vermillion, Marshall County (1895).
Friends Reading Club, Cawker City, Mitchell County (1895).
Gessner Club, Russell, Kans.

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

MISCELLANEOUS PROGRAM.

All the World's a Stage.

Roll-call—Quotations from Shakespeare.

I. Reading, "All the World's a Stage," etc.

II. Inquiry—What has intelligent motherhood done for childhood?

III. School days—The problem of the child in school.

IV. Youth—The young man and woman on the farm.

V. The prime of life—The mother and father of the modern youth.

VI. Old age—How provide and care for old age.

The quotation which gives a name to this program is given in full below. It is from Shakespeare's "As You Like It."

"All the world's a stage,
And all the men and women merely players;
They have their exits and their entrances;
And one man in his time plays many parts—
His acts being seven ages. At first the infant,
Mewling and puking in his nurse's arms,
And then the whining schoolboy, with his satchel,
And shining morning face, creeping like snail
Unwillingly to school; and then the lover,
Sighing like furnace, with a woeful ballad
Made to his mistress' eyebrow; then a soldier,
Full of strange oaths, and bearded like the pard,
Jealous in honor, sudden and quick in quarrel,
Seeking the bubble reputation
Even in the cannon's mouth; and then, the justice,
In fair, round belly, with good capon lined,
With eyes severe, and beard of formal cut,
Full of wise saws and modern instances;
And so he plays his part. The sixth age shifts
Into the lean and slippered pantaloon;
With spectacles on nose, and pouch on side;
His youthful hose well saved, a world too wide
For his shrunk shank; and his big, manly voice,
Turning again toward childish treble, pipes
And whistles in his sound. Last scene of all,
That ends this strange, eventful history,
Is second childishness, and mere oblivion;
Sans teeth, sans eyes, sans taste, sans everything."

This program covers ground too extensive for any one of the topics to be handled exhaustively. Each paper is to touch upon merely one phase of the different periods of life.

II. The modern baby comes into the world and passes the four or five years of infancy, the object not only of affection but of intelligent and thoughtful care. Motherhood is now looked upon as a profession for which no preparation is too extensive, no ability too fine.

III. The growing child from eleven or twelve to seventeen or eighteen is in himself a problem—a problem to himself and to those who have him in their care. How to direct the energies and keep sane and wholesome and pure the thoughts at this trying



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.

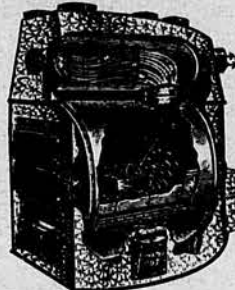
The Eddystone Mfg Co (Sole Makers) Philadelphia



HEAT YOUR HOUSE

Store, Church or School House With

Bovee's Compound Horizontal Radiator Furnace



Thousands in use: 11 Years on the Market. Having BOVEE'S Improved Hot Blast Ventilating System and Return Circulating Radiator, which gives perfect pure air and Saves One-Third of the Fuel. Any handy man can properly install one of these furnaces with all connections in a short time. These furnaces absolutely make the best and most durable heating plant in use. Everything guaranteed to be first-class. We can save you 40 per cent on the cost of your heating plant, our price being but little more than good stoves. Send for catalogue.

Manufactured and Sold by the
Bovee Grinder and Furnace Works
Waterloo, Iowa.

Bovee's Horizontal burns any kind of fuel.

LUKENS BROS.

SELLING AGENTS

Topeka, Kansas

809 N. KANSAS AVENUE

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.

NICKEL PLATE.
The New York, Chicago & St. Louis R.R.

NO EXCESS FARE ON ANY TRAIN

Three Express Trains East Every Day in the Year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m. and Wednesdays at 10:35 a. m.

CHICAGO TO BOSTON WITHOUT CHANGE.

Modern Dining Cars serving meals on Individual Club Plan, ranging in price from 85 cents to \$1.00, also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton.

NEW YORK CITY, BOSTON AND ALL POINTS EAST.

Rates Always The Lowest.

Colored Porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East call on any convenient Ticket Agent, or address,

JOHN Y. CALAHAN, Gen. Agt.,
118 Adams St., Chicago, Ill.

Los Angeles, San Diego, San Francisco

And Many Other California Points

EVERY DAY FOR \$25.00

Via Santa Fe



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.

CEMENT FLOOR FOR SMOKE-HOUSE.

(Continued from page 1003.)

tar just large enough to make a section of the floor.

Cement must be used soon after wetting, otherwise it sets and is neyer again so good. If left for a few hours after wetting, it turns to stone and can not be used.

Now as to the cost. Mixed in the proportion of 1 to 4½ we should have, about:

Sand and gravel.....1 cubic yard
Cement200 pounds
This will make 9 cubic feet of mortar and would cover 9 square feet 1 foot deep. If the floor is made 2 inches thick, this material will cover 54 square feet. At Topeka the cost of these materials delivered at any place in the city would be:

Sand and gravel, 1 yard.....\$1.00
Cement, 2 sacks.....1.30

Total for 54 square feet.....\$2.30
Or a little more than 4½ cents per square foot. To this should be added the cost of labor.

If the work, including the hauling of sand, can be done at odd times so that it need not be reckoned in the estimates, the cost will be that of the cement only, or 2.41 cents a square foot.

A CONCRETE CAVE.

EDITOR KANSAS FARMER:—Will you kindly inform me the proportion of cement, sand and pounded rock for making the best concrete suitable for a six-inch wall in cave 12 by 22, 7 foot ceiling? Will as fine sand as that composing the sand hills (shifting sand) be sufficient or will it require coarser sand? What is the best way for making a framework to build the walls in?

B. F. HARRIMAN.

Fort Cobb, Oklahoma.
In making concrete walls the larger the proportion of cement the stronger the concrete. But it is not necessary to have the strongest possible concrete. By properly gauging the thickness of the wall sufficient strength can be secured at reasonable cost. For the purposes of our correspondent the proportion used in constructing the seawall at Galveston will doubtless give ample strength. In this wall there was used one part cement, three parts sand, seven parts broken granite.

Used in these proportions the fine sand of the sand-hills will answer. The editor does not like the term "crushed stone." It implies that some of the stone may be reduced to powder. There should be no considerable quantity of fine dust in either the sand

er materials until a little experience has been gained.

If no broken stone is used and sand varying from fine sand to gravel is at hand, very good work may be done by using one of cement to five or even six of sand and gravel.

The cribbing for holding the cement in place until it sets is important. It must be strong enough to bear considerable pressure. The diagram shows a cross-section of the cribbing suggested for our correspondent's cave. The interior height of the cave is seven feet. The under side of the roof is made on a seven-foot radius. Should it be desired to make the cave higher the drawing may be considered as representing only the upper part. The side walls should be erected first. We have assumed that in digging the cave care will be taken to make the sides of the excavation true enough to serve as supports for the concrete.

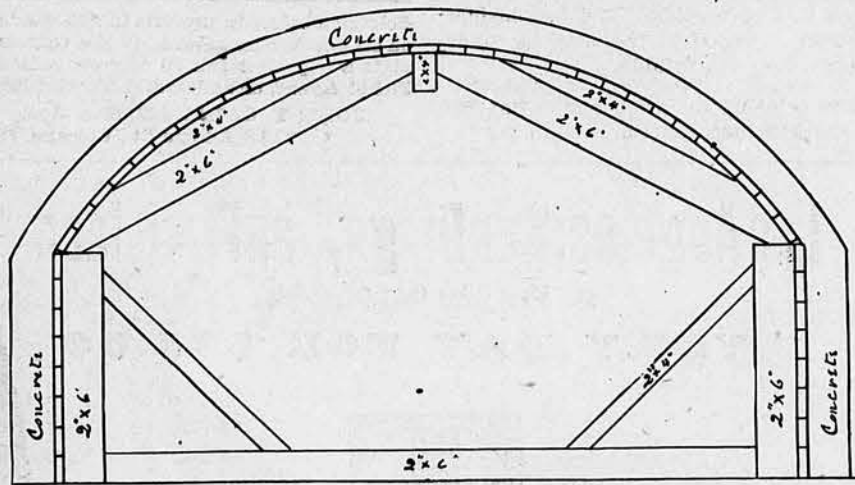
The walls may be made in sections. In this case the first section will be made about twelve feet long. The cribbing will then be moved and the side completed. It will be necessary to have enough 2 by 6 by 12 pieces to support an entire section of the roof. This will require joists enough to make the cribbing for a section on each side so that the method shown for bracing for the cribbing may well be used. The frame for the door will be put in place before the front end is built. The front end will require cribbing for both sides. In this case the 2 by 6 supports may be tied to each other by nailing 1 by 2 strips across at top, bottom and middle. After the cribbing is removed these may be driven out and the holes may be filled with cement mortar.

After the sides and ends are completed the support for the arched roof will be erected. The diagram makes this plain. The 2 by 4 key shown between the ends of the rafters is important in the removal of the support after the arched roof has set. It may be easily knocked out with a hammer, thus loosening all of the timbers. The pairs of rafters may be placed four feet apart.

By making a cement floor, say two inches thick, such a cave may be made water- and vermin-tight and will be practically fire-proof.

The Angus Auction at Kansas City Next Week.

One of the attractions of the American Royal will be the auction of sixty high-class Aberdeen-Angus cattle under the auspices of the National Association, which occurs on Friday, October 13. Forty-five cows and heifers and fifteen bulls, many of which are show-animals that are being shown at the various shows of this season, are catalogued.



SECTION OF SUPPORT TO BE USED IN MAKING CONCRETE CAVE.
Joists and framework to be removed after concrete has set.

or the rock. The broken stone may be of many sizes from that of a grain of wheat to that of a walnut. So, too, there may be both fine and coarse sand with advantage. But materials as fine as clay or silt weaken the work.

Mix the cement and sand dry; then mix with the broken stone; then add water. Two active men may mix 100 pounds—about 1 cubic foot—of cement with the other materials at a "batch" without danger of serious injury from setting before it can be used if the cribbing be first made ready to receive the materials. The inexperienced will do well, however, to begin by using one bucket of cement and proportionate amounts of the oth-

They are consigned by leading exhibitors and breeders, whose names we have given in previous issues, and represent the most noted families and blood lines of a breed that by virtue of its winning championships over all breeds in fat-stock show contests, and its record as a market-topper, is recognized the country over as a very important factor in the beef production in this country. More Angus bulls, we understand, have been sold to ranchmen this year than ever before and the breed is growing in popularity every year with the stockmen of the West. This offering is believed to be the best that has been made by the association at Kansas City, and stockmen attending the American Royal, should not fail to witness the auction. Several herd-headers fit to head pure-bred herds and of the most fashionable breeding are included, as well as bulls that will prove valuable for grading up purposes. In addition to the young show animals catalogued we call special attention to numerous well-bred cows that have demonstrated their excellence as producers. Some of them are far in calf to the most noted champion bulls and sires, and the chances are

that the first calf will commend as high a price as the dam will in this sale. Others have calves at foot and are again in calf and good value is represented in each lot of the catalogue. The families represented are Blackbirds, Prides, Queen Mothers, Ballindalloch Nosegays, Drum-in Lucys, Heather Blooms, Minas, Westertown Roses and other of the most valued strains. The sale is under the management of W. C. McGavock, Springfield, Ill., who has had charge of all the sales held under the auspices of the association. It is a grand collection he has assembled for appraisal on this occasion, and it is now up to the stockmen of the West to show their appreciation of it.

Can a Minor Take School Land? A Woman of Age at Eighteen?

EDITOR KANSAS FARMER:—My son filed on some school land. He lacks a little of being of age. Is there any law that will prevent him from holding it? A good lawyer told me he could hold it. Is a girl of age at eighteen?

J. W. HARDIN.

Ford County.

The general statutes of Kansas, Chap. 123, Sec. 9, say:

"The period of minority extends in male to the age of 21 years and in females to that of 18 years."

The inquiry is covered in reply of Attorney General Coleman to the County Attorney of Gove County under date of August 15, 1905, as follows:

In your letter of August 11, you submit this question:

"Can a person under 21 years of age (not the head of a family) prove up on school land, if he has otherwise complied with the law?"

The question which you submit is a close one, but the fact that such person is or is not the head of a family does not affect it. A minor who is the head of a family may enter land under the United States Land Laws but that is because the United States law has so provided:

"A homestead entryman must be the head of a family or a person who has arrived at the age of 21 years, and a citizen of the United States or one who has filed his declaration, etc."

Act of March 3, 1891: 26 U. S. Stat. 1095; App. No. 44.

What says our own statute?

"Any person who has settled upon any portion of school land and has actually resided thereon continuously for a period of six months and has made it his only home for said period, and has improved said land to the amount of \$100 including a permanent dwelling, prior to the appraisalment, may within sixty days after its appraisalment file in the probate court of his county a verified petition, stating therein that he has settled upon said land and has resided thereon . . . and asking that he be allowed to purchase said land."

Section 6341, General Statutes of 1901.

It will be observed that the statute prescribes what the petition must allege and what the proof must show. It does not require that it be alleged or proved that the petitioner is of age. And, again, it is provided in Section 6345 that at the hearing before the probate court the county superintendent may appear. For what purpose? To controvert the proof; that is, to dispute the allegations of the petition. Nothing else.

It may be said that a minor has very limited rights of contract. That is true. But that is for his own good. The State has so provided to protect the minor from being imposed upon by older persons with whom he might contract. But in the purchase of school land from the State, there is no occasion for such protection. The State will certainly not impose upon him. By this reasoning we arrive at an apt illustration of the familiar maxim, "Cessante ratione, cessat et ipsa lex."

Again it may well be said that in the purchase of school land there is nothing left to mere discretion, either of minor or adult. The State has prescribed certain conditions upon those desiring to secure title to its domains. A compliance with these conditions will secure title, a non-compliance will fail. But suppose the contract of purchase of school land stood on the same footing as the ordinary business contract. Then, under the law of contracts, a minor may bind the other party to the contract while he him-

self may repudiate. But that is exactly the case where adults secure school land contracts from the State. They are permitted to bind the State, while they may themselves repudiate. That is, they may fail to comply, and their rights under their contract are forfeited.

"A minor may own property the same as any other person. He may obtain it by inheritance, by gift or by purchase."

Wheeler v. St. J. & W. 31 Kan. 640.

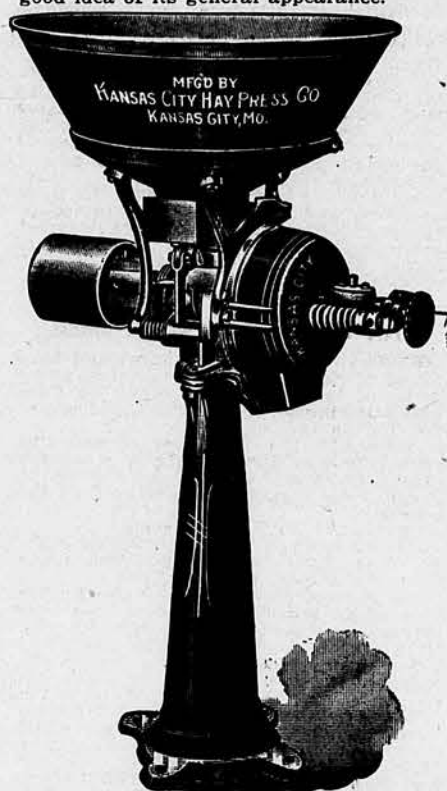
The nearest approach to the precise question under consideration which is to be found in Kansas decisions is in the case of State ex rel v. Dennis, 39 Kan. 512 and 517. That was an action brought by the State on the relation of the county attorney of Pratt County, advised and assisted by Attorney General Bradford, wherein it was sought to set aside certain school-land certificates, one of the grounds being that one of the certificates was issued to Miller Hopper, a minor, and as such "she was incompetent to petition the probate court for permission to purchase the land." The court held that the petition did not state a caveat of action. It is to be regretted that the court did not discuss more at length this particular point.

One more point remains to be mentioned. If the probate court approves the minor's proof—for I assume that we are discussing an actual case and not a mere moot question—only the county attorney and the Attorney General can challenge the sufficiency of the certificate of purchase issued thereunder; and, speaking for myself, I certainly should not disturb it.

In view of the foregoing I am of the opinion that the probate judge should not reject the proof on the mere ground that the petitioner is a minor.

A New Feed-Grinder.

The Kansas City Hay Press Company are continually adding to their line of manufacture. Their latest is the Lightning Feed-Grinder, for grinding corn and smaller grain. It is offered to the trade under their usual guarantee of satisfaction. The illustration, herewith, gives a good idea of its general appearance.



It is handsomely finished, made of first-class material, and is strong and durable. The company offers to furnish it either with or without the metal base, which, however, is usually desired.

Two sets of burrs are furnished with each machine. The grinding plates are six inches in diameter, and made of a special quality of iron, hard and exceptionally durable.

The mill is easily adjusted for fine or coarse grinding by the use of a small hand wheel, and the adjustment can be made while the mill is running.

This mill has a capacity of 35 to 50 bushels per hour, depending on the condition of the grain and the speed. The speed is from 800 to 1,400 revolutions.

A feed-grinder is needed on the modern farm. This company manufactures a sweep mill as well as a power mill. The latter is of course more profitable and many farmers have power. If power is wanted, the Kansas City Hay Press Company make the Lightning Gasoline Engine in sizes from 2½ horse power to 25 horse power. They will gladly submit quotations, terms, and further description of any of their machines. Address them at 129 Mill St., Kansas City, Mo.

Some flowers and herbs that grow very low are of a very fragrant smell and healthful use.—Robert Leighton.

A Forward Step at the Kansas Experiment Station.

The Regents of the Kansas Agricultural College have adopted the following resolutions for the control of the work of the experiment station:

RESOLVED, That in order to coordinate and strengthen the work of the Experiment Station of this College, the following regulations be adopted:

(1) That the Experiment Station council shall consist of a Director, to be elected by the Board of Regents to serve during good behavior and efficiency, the President of this College, who shall be chairman, ex officio, and the heads of the following departments: Agriculture, botany, horticulture, animal husbandry, dairying, chemistry, entomology, and veterinary science.

(2) It shall be the duty of the council to meet annually, and to decide as definitely as possible the lines of experimental work to be carried out the ensuing year. It is intended at this meeting that a full and free discussion of proposed measures be had, and that the work finally determined upon shall be by a majority vote.

(a) It is recommended by the Board of Regents that one or two major lines of work representing typical interests of the State of Kansas, and in which all members of the staff, if possible, should cooperate, be selected. Other lines of work of an individual or restricted character may, of course, be outlined and prosecuted, but it is hoped that the work of this station will have a special and definite direction along the lines of the State's most dominant interests.

(3) The Director shall be responsible for the carrying out of the work of the station, and it shall be his duty to see that all records are properly kept, and that the data relating to experiments be preserved and coordinated as fully as possible. He shall be responsible for the expenditures of the station, and publications and management of all business details, and shall have full charge of the correspondence and the issuance of bulletins. It shall be his duty to render annually to the Board of Regents on the first day of June a full statement of work done by the Experiment Station. Expenditures shall be made on requisition drawn by different members of the council and approved by the Director, and all bills shall be approved before payment.

(4) Members of the council shall be individually responsible to the Director as regards station work, and shall be held to the performance of work agreed upon by the council in its annual or special sessions.

(5) All the work of the station, wherever conducted, whether at Manhattan, Hays, McPherson, or elsewhere, shall be under the immediate charge of the Director, and the Director shall be held responsible for the management of all work without regard to locality.

(6) Excepting for the year 1905, the Director shall prepare and submit to the Board of Regents at its April meeting, plans for the station work, and estimates of expenditures for the following year, said plans being the action of the council at a meeting to be held

in March of each year. After approval by the Board of Regents, it shall be the duty of the Director to see that such plans are duly carried out, and thereafter such work, wherever carried on, shall be under his general supervision or of such member of the council as he may assign to it.

(7) The regular meeting of the council shall be held monthly, and as much oftener as the interests of the station may demand, and a meeting may be called at any time by the Director or the President of the College.

(8) That any lands now held by the State Agricultural College or the Experiment Station at Hays, and that are not needed for scientific experimentation, may be leased only on condition that the lessees thereof shall keep and report to the Director a complete record of the sowing, irrigation, cultivation and yield of the crops grown on such lands, and that this clause be made a part of any lease.

[These resolutions carried out in their letter and spirit should place our Experiment Station in the front rank. With the many able and enthusiastic men now in the station council and with the responsibility laid upon the Director, that officer may make our station great. The State will be found willing to supply money in such amounts as it shall feel assured will be used to the profit of Kansas agriculture.]

Winter Study for Farmer's Wives.

ALICE E. WELLS, PRINCETON, KANS.

With shortening days, falling leaves, crisp mornings promising frost close at hand, and long-silent school bells ringing, humanity is rousing from summer's enervating influence. Merchants measuring the splendid crops with a keen eye to business, are laying in supplies of goods. The farmer invests in husking pegs and gloves, while his wife complacently scans cellar shelves, loaded with canned goods, jellies, butters, and preserves, the result of long days over the hot stove, heaves a sign of relief and re-

Every Niece and Nephew of Uncle Sam

should be deeply interested in what he has said about soda crackers, because they are the one food with which all of them are familiar.

Uncle Sam has given out figures showing that soda crackers are richer in nutriment and body-building elements, properly proportioned, than any food made from flour.

This is saying much for common soda crackers, and much more for **Uneeda Biscuit**, because they are soda crackers of the best quality. They are baked better—more scientifically. They are packed better—more cleanly. The damp, dust and odor proof package retains all the goodness and nutriment of the wheat, all the freshness of the best baking, all the purity of the cleanest bakeries.

Your Uncle Sam has shown what food he thinks best for his people. His people have shown that they think **Uneeda Biscuit** the best of that food, nearly 400,000,000 packages having already been consumed.

Uneeda Biscuit

NATIONAL BISCUIT COMPANY

5¢

Rome Park Swine Sale

A choice draft of Polands; also a few large English Berkshires will be sold at Wellington, Kans., October 18, 1905. Boars, gilts and sows all of excellent breeding and individual merit. One fare on all railroads for 200 miles or less. Write for catalogue. You are invited to attend.

T. A. HUBBARD,
Wellington, Kansas.

joices in a prospect of leisure for recreation and self-culture. What shall we read this coming winter?

"Everything and anything I can get hold of, with a predominance of fiction?" as a hard-working housekeeper on a farm recently remarked to me. She is an ex-schoolma'am—with good education, and, with her mental calibre, is "reading below her level."

"Daily newspapers?" Not much time can we afford to spend with these. Just skim the editorials, read the headlines, and leave the rest for "John," who will tell us all that's really worth knowing.

By planning our reading beforehand, we can get the most for the least money—or rather, receive most benefit for time and expense. A given subject chosen, it is really wonderful how much matter bearing on that subject "comes our way." For instance, this is classical year in the Chautauqua course and a pile of old "Centuries," "Scribners," and other magazines, fairly teems with rich material for Greek, Roman, and Italian literature, art, and comments. Last year we had the course, a history of France from 1780 to 1806, and lo! in looking over a pile of old, old books from father's library, I found an exhaustive work written in 1857, as good or better than any new ones.

One good, new magazine, read from

FENCE STRONGEST MADE. Built strong child-resistant. Sold to the Farmer at Wholesale Prices. Fully warranted. Catalog free. Box 216 Winchester, Indiana.

cover to cover, gives more real culture and genuine satisfaction than a dozen, where one's temptation is to cull out the stories. If troubled with poor memory, talking over studied topics with the family and chance callers helps to make lasting impressions. A good atlas and dictionary are indispensable to intelligent reading. The meaning of a new word or the distinct location of a place once learned, it is surprising how often one finds use for the knowledge.

"Who are the Moors?" I queried of the "schoolma'am," while conning a magazine this morning. Reference to the dictionary was necessary; and within half an hour, picking up the KANSAS FARMER, the information fitted into an understanding of Miss Nellis' description of the "Spanish Bull Fight at Granada." We need not ignore fiction altogether, but with limited time it is better to choose such as has been proven by best critics to be worth while. Let mothers keep up with their college boys and girls for her and their best interests.

THE LADIES' WORLD

is one of the largest, best, brightest and most practical magazines published for women and the home. Each issue contains from 36 to 44 large pages, size of *Ladies' Home Journal*, enclosed in a handsome cover, printed in colors. Its departments embrace Fiction, Poetry, Housekeeping, Out-of-Doors, Artistic Needlework, Fashions, Hygiene, Boys and Girls, Mothers' Corner, Illustrated Feature Articles, Home Decoration, etc. It numbers among its contributors many of the best up-to-date magazine writers. It is profusely and handsomely illustrated. In order to introduce our magazine into thousands of new homes where it is not already taken, we will send

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it three months—including the special Thanksgiving and Christmas issues—to any address, prepaid, for only 10 cents in stamps. Being so firmly convinced that you will want it continued if you give it a trial, we make this extremely liberal introductory offer. The issues we shall send you will be rich in literary material and illustrations. A brilliant new *Serial Story* by the popular author, *Juliet Wilbor Tompkins*, commences in the November number. Send along the postage stamps and give our magazine a trial. A prompt order will bring you an extra copy of a recent issue free, which we will include for good measure. Address Dept. 8, S. H. MOORE CO., 23 City Hall Place, New York.

In the Dairy

Dairy Cattle-Breeders' Association.

Following are the minutes of a meeting held by representatives of the various dairy cattle-breeders' associations, held at Milwaukee, Wis., September 13, 1905. Besides a number of leading Holstein-Friesian, Jersey, Guernsey and Ayrshire breeders, there were present, W. B. Barney, of Hampton, Ia., representing the Holstein-Friesian Association of America; F. H. Scribner of Rosendale, Wis., representing the American Jersey Cattle Club; Chas. L. Hill of Rosendale, Wis., representing the American Guernsey Cattle Club; Hon. W. D. Hoard, editor of Hoard's Dairyman, and E. Sudendorf of Clinton, Ill., the latter representing the National Dairy Show Association. The meeting was called to order, ex-Governor Hoard presiding.

The following resolutions were unanimously adopted:

Resolved, That it is the sense of this meeting that such an exhibition as that proposed to be held by the National Dairy Show presents a splendid opportunity to impress upon the country at large the character, extent, and superior quality of American dairy products and American dairy cattle.

Resolved, That the Cattle Breeders' Associations representing the Ayrshire, Holstein, Jersey and Guernsey Cattle be asked to appoint a superintendent for their several breeds, to make up a board of directors to arrange the details of a dairy cattle exhibition to be held at the Coliseum in Chicago, Ill., in connection with the Dairy Show and National Creamery Buttermaker's Convention, February 15 to 24, 1906.

Resolved That those breeders present representing the Ayrshire, Holstein-Friesian, Guernsey and Jersey breeds of cattle, do hereby ask their several associations to duplicate such prizes as may be offered to the different breeds by the National Dairy Show to be held at the Coliseum, in Chicago, Ill., February 15 to 24, 1906.

Resolved, By the breeders present and concurred in by the National Dairy Show Association, that there will be no competitive tests at this show.

Study Consequences.

GOV. W. D. HOARD.

Fifty years or more ago, when a lad working by the month for an old farmer who was a born teacher, we did a piece of corn hoeing in a careless, indifferent way. The old man called our attention to the work and said:

"You hoed that corn with your mind not on your work. You must make a

mind study of what you are doing. Always when you are working study the consequences of what you are doing and the way you do it. If you get into that mental habit you will see results loom up ahead of you and you will never work hard for poor results as you did when you hoed that corn."

That was a most valuable lecture to us. It opened a new idea of work. We could see as we studied it that every turn of the hoe was fraught with consequences good or ill to the corn.

A great deal of the work men do on the dairy farm is done without any study of consequences. It is a great gift to be able to foresee the consequences of our acts.

Not long since a neighbor applied to us for advice about his alfalfa. A year ago we had advised him to test his seed, but he "hadn't time," he said. A year has been wasted and his labor, and only a few spears of the alfalfa are shown. It would have taken him possibly a half hour to test the seed. We tested some of the seed he had left over, and one in twenty would grow. He did not study consequences.

Twenty years ago another neighbor had a splendid herd of grade cows which his old father had developed by wise breeding and selection to the point of 275 pounds of butter per cow. But the son was not satisfied. He had the "dual purpose" bee in his bonnet. He said to us one day, "I am going to put a Shorthorn bull at the head of my herd." We protested, telling him he would breed down instead of up if he did it. "But I must have more size in my calves," said he. "I want to get something for the male calves." We told him as best we could of the consequences of such breeding on his future cows, but it was of no avail.

Ten years rolled by and the entire herd was composed of the daughters and granddaughters of that beefy bull. The average yearly butter-product of the herd was one hundred and sixty pounds. He didn't study consequences. There was ten years of time spent, worse than wasted, for he had spoiled a good herd of cows and produced a poor one. But he had more meat.

Another neighbor had a fine herd of Jersey grade cows producing nearly 300 pounds of butter per cow, as the creamery books showed. He, too, wanted more meat, so he introduced a Brown Swiss bull of very beefy proportions. The daughters and granddaughters of that cross are large, fine looking animals, but the creamery books do not show the cash returns they did in the older days. He had never made a study of the principles of dairy breeding. He thought he could play with consequences and turn up the card he wanted every time. He is not boasting

CREAM SEPARATORS

It is universally recognized that in point of goodness DE LAVAL Separators stand alone. Hence the claim of imitating machines to cheapness.

There is nothing else perhaps in which "cheap" means as much as in Cream Separators.

The really "cheap" machine is not that which costs least, but that which gives the most capacity, recovers all the butter-fat, produces the best cream, runs easiest, and will last longest.

These are the qualities which represent recognized goodness in the DE LAVAL, and in any and all of which no other Separator is comparable.

Most "cheap" Separators are in a class with rhinestones, "dollar" watches, and other trashy imitations of the real thing. But worse than all that, they WASTE butter-fat every time they are used, and so would be dear as a gift.

The genuinely cheap separator is the GOOD separator, which soon SAVES instead of LOSES its cost, and may be bought on such easy terms as to actually PAY FOR IT-SELF during the first year of use, and then be good for another twenty years more of clear profit.

Facts, figures and reasons, to be had for the asking.

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any more about the returns his cows are making.

Last spring we urged a number of farmers who had fields of alfalfa to purchase cotton cloth and make themselves a good supply of hay-caps. But they could not see it in that light. The other day two of them were in our barn and they wondered how we managed in spite of the past wet season to have such bright, green alfalfa hay. We told them it was due to the hay caps, with which we have been able to handle two cuttings successfully and are now on the third. They saw the consequences.

Last fall we urged a farmer to build him a well-constructed calf-stable where he could surround his calves all winter with right conditions for calf growth and development. He turned up his nose in disdain at such ideas; said he knew how to raise calves and all that. He happened to be at the depot when we were shipping a bunch of grade Guernsey heifer calves between six and seven months old. He admired the thrifty appearance of the youngsters and admitted that he had never produced such calves himself. It seemed to jar him somewhat when told that one great reason for their growth was the warm, well-constructed stable they were reared in. These calves sold for \$20 each; his calves could be bought easily for \$10 to \$12 apiece.

Here was a good chance to study consequences. "And so goes the game of consequences to an almost infinite degree."

Dairy Inquiries.

Inquiry.—Can you explain to me what influence salt has on the milk-capacity of a cow? This question has been disputed. Some people say that a cow will give just as much milk when fed salt as when deprived of it.

Answer.—Whatever is essential for the body of the cow is essential for milk-production. It is as necessary to feed salt to keep up the flow of milk, as it is to feed any other component part of a feed. To illustrate this, three cows were kept at this station without salt for four weeks, and their record kept during the last two weeks of this period. They were given their usual allowance for two weeks, and on comparing the milk records it was found that the cows gave 454 pounds of milk during the first period, when salt was withheld, and 561 pounds during the same period, when salt was furnished, a difference of 110 pounds in favor of salting. This proves the absolute necessity of supplying the dairy cow with salt.

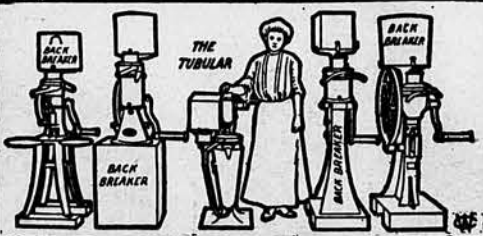
Question.—I see from a note in the paper that the city dairies are blending milk. Will you tell me what is meant by "blending?"

Answer.—Blending is another term used for standardizing milk. To standardize milk or cream is to bring the butter-fat content to a given percent, regardless of the quality of milk produced by the cow. If the milk when drawn from the cow contains less butter-fat than is desired, it can be brought to the desired standard

TUBULAR--or "Back Breaker?"

When you see the waist low Tubular you can't be driven into buying a back-breaking, "bucket bowl" separator. Can and crank are just the right height on the Tubular. Here is the largest Dairy Tubular along side four "back breakers." The girl with her hand on the Tubular is 5 feet, 4 inches tall. This is an exact reproduction from a photograph. Which kind for you? Makers of "back breakers" try to get their cans low by setting the cranks low. High cans break your back backward—low cranks break it forward. Unless you are a double jointed giant, you'll find a high can is no joke. To show you how high these "back breaker" cans really are, when the machines are set high enough to turn easily, we raised these "back breakers" 'til their crank axles were level with the Tubular crank axle. "Back breaker" makers don't like this picture—it's too true. They try to squirm out of it. You wouldn't like turning cranks as low as "back breaker" makers put them.

The low can is only one of many advantages Dairy Tubulars have over all others. Dairy Tubular bowls are simple—"back breakers" are complicated. Tubulars are self-oiling—no oil holes to fill up. "Back breakers" are oil drippers and oil wasters. To learn a lot more about Tubulars, write today for catalog N-165



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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 125 and our special introductory offer. DAVIS CREAM SEPARATOR CO. 56-60 N. Clinton St. CHICAGO, ILL.



CLEVELAND

This Cleveland Cream Separator is sold on the fairest and surest plan ever devised. A fair trial on your own farm under your own conditions. The easiest to clean, the easiest to run, the best skimmer. We can save you from \$20.00 to \$30.00. Write and we will prove it to you. We will also send you a free book, telling just how the Cleveland is made and how it is sold. Write to-day. The Cleveland Cream Sep. Co., 34 Michigan St., Cleveland, O.

Dietz Lanterns

Not made to sell cheap, but as cheap as any good lantern can be sold. Then, think of the satisfaction you get from a Dietz: *Convenience, Safety, Cleanliness.* Be sure you ask your dealer for the,

Dietz Cold Blast Lantern.

He carries it in stock or will get it. If not, write direct to us. Catalogue free. We'll see that you get the lantern of your choice. Every lantern user prizes the

Clear White Light of the
DIETZ.

R. E. DIETZ COMPANY,
67 Light St. NEW YORK CITY.
Established 1840.

by adding cream and extracting some of the skim-milk. If, on the contrary, milk that is yielded by the cow contains more butter-fat than is necessary, it can be reduced to the desired standard by extracting the cream or adding skim-milk. This process is adopted by many of the city dairies at the present time, and is a legitimate way of selling milk or cream.

The price of standardised milk ranges according to the per cent of butter-fat, and the consumer pays for it on the basis of what the milk contains. This scheme is of interest to the consumer as well as the producer, because the latter cannot afford, for example, to produce milk containing 5 per cent butter-fat, and receive pay for milk which contains 4 per cent, providing the milk has been produced in the same sanitary condition. Neither can the consumer pay a price which warrants 5 per cent of butter-fat in milk and only receive milk containing 4 per cent. This factor becomes very important in selling cream.

Question.—I am buying cream by the Babcock butter-fat test, and I find that in testing cream the butter-fat that rises in the test bottle is cloudy. How can you overcome this cloudiness?

Answer.—It is frequently necessary in order that the fat column in the test-bottle come up clear, instead of filling the bottle three-fourths or more on the graduated scale, to fill it only to the neck at this time. Then, by reshaking the fat and mixing it slightly with the acid below, the impurities are brought down and the fat becomes clear. Instead of running the Babcock tester for two minutes in the second run, run it three minutes, then stop and add water high enough in the neck of the bottle so that the fat can be properly read. After this run again for one minute. If the acid is not too strong or too weak, or the cream is not too cold or too warm, the fat will come up clear.

Question.—Can you tell me how to change a calf's feed from whole milk to skim-milk? Is skim-milk a good feed and can you raise calves profitably that way?

Answer.—You can raise calves by taking them from the cow when about a week old. Give them new milk for a week, then give it mixed with skim-milk for a while, after which feed them skim-milk as long as you can spare it, even until they are a year old. There is nothing so cheap and effective in the way of feed for calves as skim-milk, and if precautions are taken in keeping the pails clean and seeing that the milk is fed immediately after taken from the separator, there is no question but what you can get as good results from skim-milk-fed calves as from whole-milk-fed calves. The chief difficulty that enters into the development of skim-milk calves is the unclean condition in which the calves are fed. Filthy milk invariably produces scours, which, of course, retards the growth of the young animal. O. ERF.

The Apiary

Caucasian Bees—Preparing for Winter.

EDITOR KANSAS FARMER:—During the last fifty years several different races of bees have been introduced into the United States. Among them the Italians have without doubt proven themselves to be the best. Just now the Caucasian are attracting some attention.

Prof. Frank Benton, of the Bureau of Entomology, Washington, D. C., as has been stated I believe in a former issue of the KANSAS FARMER, brought them to this country. I met him last fall at the National Convention at St. Louis, where he told me that he had not tested them to an extent sufficient to enable him to speak definitely as to their merits. Two of these queens he let the A. I. Root Company, of Ohio, have, one was turned over to John M. Davis, of Tennessee, and one was kept at Washington. I am advised that none of the queen progeny of this bee will be sent out from Washington this year, nor will there be any mated queens sent out from Ohio. Mr. Davis, of Tennessee, is sending out some reared from his queen, but they are not mated to Caucasian drones, so that their queen and worker progeny will be hybrids only. Their drone progeny, however, will be pure, as the fertilization of the queen does not affect her drone offspring.

I am now expecting one of these Caucasian queens from Mr. Davis, and if mated to a Caucasian drone, I will use my best endeavors to winter her over; and next season will try to learn something of the merits of this race of bees. If I find that they prove themselves in any way superior to the Italians, I will report the same. Mr. Davis has also promised to do likewise.

Winter is now approaching and the honey season in Kansas has been one of the poorest in the history of the State. This will make the matter of careful inspection in order to ascertain the amount of winter supply of honey very important. Many colonies have no stores to carry them through the winter and up to the time fruit-trees will bloom. An eight-frame hive, without the super, should weigh about 50 pounds; and a ten-frame hive should weigh near 60 pounds. When not up to this weight, the bees should be fed one or two quarts of syrup each evening until the above weight is reached.

Where one has a dry cellar he can winter bees much cheaper and with greater certainty of success in the cellar than on the summer stand. The temperature should range not lower than 35° F. nor higher than 45° F. The cellar should be perfectly dark or the bees will come out of the hives and never get back. The first cold day in November will be a good time to carry them in. The entrance should be so constructed that mice can not enter the hives. If they do, they will eat large quantities of the honey and cut the combs to fragments.

During the warm days in February they may be carried out on the summer stand so they can have a flight; and at night they should be carried back and should not be taken out permanently until from March 10 to 20. Rice-County. G. BOHRER.

The sessions of the Continental Congress were secret and there were no expectant crowds outside Independence Hall, waiting to hear the reading of the Declaration of Independence. It was not till July 5 that Congress sent out circulars announcing the Declaration, not till the 6th that it appeared in a Philadelphia newspaper, and not till the eighth that it was read by John Nixon, in the yard of Independence Hall, on which occasion the King's arms over the door of the Supreme Court room in that hall were

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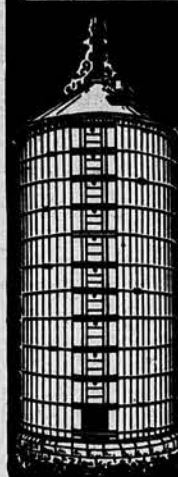
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torn down by a committee of the volunteer force, called "associates." In the evening of that day these trophies were burned in the presence of a great crowd of citizens.

A committee consisting of A. H. McKeown, A. W. Vale, and J. F. Gilder, of Webber, Kans., were in Topeka last week presenting a petition and consulting with the managers of the Atchison, Topeka & Santa Fe Railroad in regard to putting in another elevator at Webber, Kans. These gentlemen represent 236 farmers who own 30,325 acres of land and have 392,850 bushels of grain to dispose of. They say that the two elevators there are entirely inadequate to handle the grain raised in that vicinity and they want better facilities for the handling and disposing of their grain.

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Miscellany

The Miami County Fair.

For the seventeenth time, the Miami County Fair Association opened its gates to the public at Paola, Kans., in an annual fair. The weather was all that could be desired and the grounds are perhaps the most beautiful in the State for the purpose. The buildings on these grounds are hardly sufficient for the fair, at least during a year of bumper crops. Agricultural hall was crowded to the limit with a remarkably fine exhibit of farm and orchard products. A portion of this building was devoted to exhibits by local implement dealers and this served to congest matters so that neither exhibit showed to its best advantage. More room is needed for the agricultural and horticultural displays at this fair, if Miami County continues to raise such crops as she has this year.

The poultry exhibit was housed in some small special buildings, erected for the purpose, near agricultural hall. While this exhibit was not large it was fine in quality and included a large number of different breeds.

The racing stables were all filled to the limit and we understand that some very good races were had. The exhibit of draft-horses was very satisfactory and was made entirely by local horse companies and farmers who owned a few head each.

The exhibit of cattle included one herd of Shorthorns, one herd of Herefords, one of Polled Durhams and a number of grades and crosses. The Shorthorn herd shown was owned by C. S. Nevius, Chiles, Kans., and was the same herd that he has been showing at other fairs. He was given first and second in all classes in which he showed except aged cow, where the blue ribbon went to J. N. Woods & Son, Chiles, Kans., and the second to Mr. Nevius.

The Herefords were exhibited by Peckham Bros., Block, Kans. They were given all the prizes without competition.

The premium list provides a class for polled cattle in which it would have been necessary for all the polled breeds to have competed had there been more than one. As before stated, there was only one herd of Polled Durhams, and these belonged to J. N. Woods & Son, Chiles. Right here we desire to say that this herd of Polled Durham cattle is the best the writer has ever seen. Their herd bull is now four years old and is an animal of wonderful quality. Mr. V. R. Ellis, Gardner, Kans., long and favorably known as a Shorthorn breeder, acted as judge of all the cattle at this fair, and agreed with the writer, that he had never handled a bull of the age of the Woods herd bull that showed such quality. Mr. Woods' Polled Durhams are all double-standard, and with them he brought one Shorthorn cow that won first in the aged Shorthorn-cow ring. All the prizes for polled cattle were awarded to the Woods' Polled Durhams.

In the class Grades and Crosses, the Peckham Bros., Block, Kans., were the only exhibitors and they showed in the classes of 2-year-old cow, yearling heifer and heifer calf, where they were awarded both first and second prizes.

The premium list provides for herd premiums where best herd any breed, both senior and junior are given prizes. In the aged herd, C. S. Nevius was given first on his Shorthorns and J. N. Woods & Son won second on Polled Durhams. There is also provision made for a sweepstakes prize for best bull any age or breed and also best cow any age or breed, both of which went to Nevius' Shorthorns.

The People's National Bank at Paola gave a special cash prize of \$25 for the best herd of cattle at the fair, any age, breed or number. This was taken in by the Nevius Shorthorns.

The exhibit of sheep was limited to one breed. W. E. Hays, of Osawato-

mie showed a number of Shropshires, without competition, and was given the prizes in the classes in which he entered.

The swine were judged by a committee consisting of J. J. Wilson, Paola; C. S. Nevius and C. J. Woods, Chiles. There was but one exhibit of Poland-Chinas and this was made by P. L. Ware & Son, Paola, who were given all the prizes in class as well as the grand sweepstakes boar and sow, all breeds competing. He also got the herd prize.

The Chester Whites were shown by W. E. McWilliams, Paola, and W. E. Hays, Osawatomie. McWilliams was given first prize in all the classes except litter of six pigs where the first went to Hays. Hays received second prize in aged boar, boar under 6 months and litter of six pigs, the only classes in which he showed.

Duroc-Jerseys were exhibited by J. F. Staadt, Ottawa, and D. R. Craig, Paola. Staadt won first on all classes except sow and litter which went to Craig. Staadt also won second on herd prize with all breeds competing. There were no exhibits of Berkshires.

The fair as a whole was a decided success and the attendance on Thursday was very large. Secretary Bradbury is to be congratulated on his successful management of the affairs of the association.

Cement Stone for Building Purposes.

Following is a description of our cement stone house. This house is the result of limited means for building. The insurance, \$500, received from our old house when it burned, would not go far toward a new house built wholly of lumber; so we cast about to get a house without putting a mortgage on the farm. This is how we did it.

I ordered a car load (seventy-five barrels) of Portland cement, for which I paid \$172, delivered at a switch about two miles from our home. Then we hauled sand to the barn, stored the cement in one of the stalls, made a platform on which the mix the sand and cement, cleared the lower part of the barn, and leveled the dirt floor; then we laid skids on which the cure the blocks.

To avoid the expense of an iron machine, I made one of two-inch planks large enough to make four blocks at a time, each block 8 by 18 by 3 inches, less $\frac{1}{4}$ of an inch off both height and length to allow for mortar joints. This machine has hinged sides and ends, which lock together with latches. Pieces of boards (palates) are placed in the bottom of each mold and the sides and ends closed ready for use.

We use the following process in mixing and making the blocks: Spread the equivalent of five bags of sand on the mixing board and sift over this one bag of cement; then shovel it back and forth till an even color is obtained. Then, while one boy sprinkles water on, one or two shovel the mixture till it is well dampened all through so that when tamped into the molds and troweled, the moisture will show a little on top. A few trials will enable one to get it just right. The tamping should be thorough, all corners tamped in solid. Then the molds are opened and the blocks, on the palates, carried to the skids where they are left till the next day; then sprinkle them with water. After two days on the skids they may be removed from the palates and stacked under cover from sun and wind, and for four or five days given all the water they will take each day. The blocks should

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

THE UNITED STATES GOVERNMENT

is expending over seven million dollars in building reservoirs and canals to irrigate 575,000 acres of magnificent farming lands around NAMPA, IDAHO, the railroad center of the State which is ample proof of the great fertility of our farm lands. ONE MILLION BEST-SUGAR FACTORY is securing contracts for raising sugar-beets prior to its erection. OUR CROPS—five to eight tons alfalfa per acre per year—potatoes three to five hundred bushels—two crops timothy and clover—wheat 30 to 60 bushels, oats 30 to 50 bushels, barley 50 to 60 bushels per acre. All fruits raised to great perfection. Write or call on any of the following citizens of Nampa, Idaho: R. W. Purdum, Mayor, Mine Owner; C. E. Dewey, Railways, Mines, Hotel Nampa, Development Co.; Walling & Walling, Real Estate; Stoddard Bros., Hardware; Lamson & Bates, Real Estate; Tuttle Mercantile Co.; Langdon Mercantile Co.; Robbins Lumber Co.; Central Lumber Co.; Bank of Nampa; Citizens' State Bank; Grand Hotel; Central Implement Co.; Nampa Hardware & Furniture Co.; W. L. Brandt, Real Estate; Mrs. R. E. Green, Lands; King & Withering, Townsites; W. F. Prescott, Lands; Dewey Livery Stables.

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4,480 acres smooth fine wheat lands in Hamilton, county, Kansas, at \$50 per quarter, upon easy terms.
20,000 acres good wheat and farming lands in Hamilton county, Kansas at \$3 per acre, in large or small tracts, on easy terms.
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not be laid in the wall for fifteen to thirty days after they are made.

We laid the walls of our house nine inches thick, leaving an air-space of three inches between the inner and outer walls. This air-space is entire, no headers being used, but instead, in every other course about fifteen inches apart, we put coarse wire binders, bent somewhat like the letter S. We used mortar made of half lime and half cement with a proper amount of sand. The main part is 25 feet, 8 inches square, one story, with addition 18 feet by 16 feet, 6 inches. We made all the partition walls of blocks 4 inches thick. These partitions are one part cement to eight or nine parts sand. After the walls were laid up we put 2 by 8 planks on top and bolted them down to crossbars of iron laid in the mortar-joint the second course from the top.

I did the plastering myself, putting

present summer visiting different irrigated sections throughout the West. It is his intention to become personally acquainted with small irrigation farmers and learn from them their individual experiences in developing small tracts of land, the original cost of this land, the expense attached to moving onto it from their present homes and explain in detail the difficulties encountered, if any, and the success attained under varying conditions, both as to soil, locality, methods of securing water for lands, and care will be given to securing data as to what a given amount of money will accomplish under different conditions.

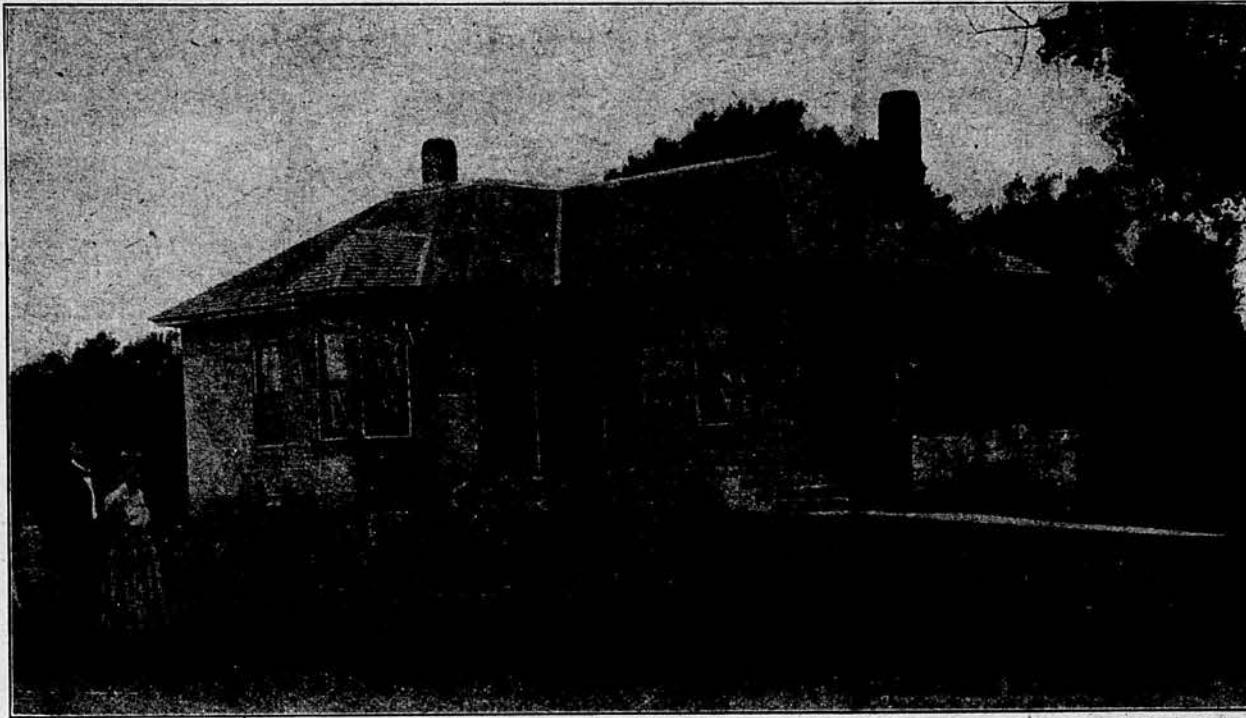
This line of work has been brought to the writer's attention more directly in the last few months by the receipt of numerous inquiries from people throughout the Eastern and Central States by which they seek to

that phase of the question, for irrigation has not only rendered it possible to live in the so-called desert, but it has made it so profitable and delightful to live there that this same desert has become a veritable Mecca for Utopian seekers. From being a problem concerning only the misguided homeseeker, begotten of sinister necessity, it has become one of the living, potent factors of human progress, and it is making for itself a large place in National policy. It has disclosed a vista of corollated propositions and questions, political, social, industrial and scientific, pertaining to rural life, and engaging its fundamental surroundings and conditions to that extent that its entire aspect is being changed. That irrigation conduces to the betterment and promotion of the ruralist, goes without the saying and nothing better can be said of its use-

it to the sober and thoughtful consideration of the people and to demand for it a dignified place in the economy and policy of the Government, but to heed all of the vagaries and concede all of the absurd claims of its overzealous friends will only serve to bring it into disrepute and disappointment to its interests.

With each change of the moon there is heralded some new disciple of the propaganda of irrigation, and he brings to our consideration his contribution to the literature of the subject, generally brilliant in theory and beaming with zeal. Under these circumstances it is not at all surprising that much that finds its way into print, and is accepted on that account with a greater or less degree of faith, is, as a matter of fact, entirely outside of the realm of reality, and does not at all coincide with the literal truth and the actual facts as they are dug from the earth by the real tollers. It is not a case of infrequent occurrence that a flying visit to the headworks of some irrigating canal, followed by an even more hasty visit to the fields of some successful farmer living under it, suffices to furnish material for a learned and elaborate disputation upon the scientific principles and proper methods of canal construction and distribution and application of water, or a verbose declaration of the benefits and advantages of certain lines of practice in the art of irrigation. It is hardly charitable to presume that among the many bright and shining lights in the field of irrigation to-day, any should thus have acquired reputations as expert irrigationists, and yet it is altogether possible that this may be the case. After all is said, and all due credit given to the learned treatises and the literary efforts, we sometimes think that the most effective as well as the most eloquent tributes than can be paid to the cause of irrigation, is a properly designed and well-executed system of canals, adequate to the requirements of the case, and not a burden of expense to the owners. Surely the expert knowledge and experience required in such a case can not be supplied by the library, nor do they emanate from the literary sanctum. They must be acquired by familiar association with hobnail shoes, the irrigating shovel and mud. The field of literature and theory is so distinct and apart from that of practical operation that one can hardly hope to occupy both successfully at the same time.

(To be continued.)



HOUSE BUILT OF CONCRETE BLOCKS, MERRICK COUNTY, NEBRASKA.
—Courtesy of Nebraska Farmer.

the white coat directly upon the walls in some rooms, and in other rooms a brown coating first. The latter plan I think is the better. The dry stone walls should be wet before plastering, although it is not absolutely necessary.

I hired a stone mason to lay up the walls. We did nearly all the carpenter work ourselves except making the door and window frames, putting the cornice on and, with some help, the shingles. We utilized the air-space between the wall for window-weights. With the seventy-five barrels of cement we built the house, made a cave 9 feet by 13 feet, a porch floor and steps, a walk to the cob- and coal-house, and had six barrels left.

The house has cost about \$700, besides our labor. It contains five rooms, three closets, and a pantry. To build a house of same dimensions, of lumber, would cost \$1,200 to \$1,500, in this part of the country. Besides, the cement-stone house is much to be preferred in every way. It is dry, warm in winter, cool in summer, and vermin-proof.—Oscar Booth, in Nebraska Farmer.

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.

There are many questions relating to this great subject of irrigation that address themselves as worthy of the most intelligent consideration on the part of, not only irrigators, but those who contemplate investing in farm lands in the section commonly known as "The Arid West." It has been the intention of the writer for some years past to begin a series of articles covering all questions which would naturally come to the mind of a prospective irrigator farmer, and with that end in view the editor the Irrigation Age will spend the greater part of the

learn what given sums of money will permit them to accomplish in the way of purchasing a tract of land, either improved or otherwise.

It was this thought that induced the writer to make an initial trip over part of the Northwest recently. The people interviewed on this visit were mainly men who have established irrigation projects of greater or less magnitude, projects developed for the purpose of supplying water to land subdivided into tracts of from ten to one hundred acres or more secured by settlers either from private owners, the State in which the system is in operation, or under what is known as the Carey act, whereby the settler is enabled to secure land from the State at the rate of fifty cents per acre provided he contracts to purchase a perpetual water right from the corporation which constructs the system.

It is not our intention to advertise in any way these corporations furnishing water, further than is necessary in explaining the general scheme.

What is irrigation? If this question had been asked of every individual in the United States twenty-five years ago, a very large proportion of them, perhaps 95 per cent of the total number, could not have answered it intelligently, nor would they, in all probability, have had any correct conception of its relation to the welfare and progress of mankind; yet so rapidly and universally has the "irrigation idea" spread, that it is to-day a household theme throughout the land.

It originated, so far as this country is concerned, as a concomitant necessity to existence, in the settlement of that great estate of public domain known as the "Arid West." At first it was considered as an onerous condition to the prosecution of agriculture, to be palliated and excused by those resorting to it, and commiserated by the humid pharisee from the East. Happily we have now passed beyond

fulness than the promise it affords as the greatest influence in arresting the decay of farm life.

Like all other great questions and causes, it has its zealots on one hand and its critics on the other, and it is difficult to tell from the hands of which it suffers the most. Taking all that can be truthfully and conversatively claimed for the future of irrigation, there is enough to commend

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Royal Sale of Herefords.

At the sale of Hereford cattle, which will take place at the Live Stock Pavilion at the Stock Yards in Kansas City, at 1 o'clock, October 11, during the American Royal Show, the very best lot of Herefords that has ever been offered at a combination sale will be put forward. This statement has possibly been made before, but this time every animal that is offered has been inspected by a competent judge and was deemed worthy of a place in a sale of this magnitude and importance.

When such breeders as Chas. W. Armour, Kansas City, Mo.; C. L. Browning, Laredo, Mo.; Cargill & MacMillan, La Crosse, Wis.; T. W. Carmichael, Odessa, Mo.; Mrs. K. W. Cross, Emporia, Kans.; W. H. Currier, Eminence, Ky.; Jas. A. Funkhouser, Plattsburg, Mo.; S. J. Gabbert, Dearborn, Mo.; Jas. A. Gibson, Odessa, Mo.; Miss Lou Goodwin, Blue Rapids, Kans.; Gudgell & Simpson, Independence, Mo.; J. W. Lenox, Independence, Mo.; T. C. Sawyer, Lexington, Mo.; Scott & March, Belton, Mo.; S. L. Standish, Hume, Mo.; C. A. Stannard, Emporia, Kans.; Steele Bros., Richland, Kans.; Steward & Hutcheon, Bolckow, Mo.; Stow & Gingrich, Hamburg, Iowa; R. T. Thornton, Kansas City, Mo.; Walter B. Waddell, Lexington, Mo.; W. W. Wheeler, Harlan, Iowa, and R. C. Wilson, Bolton, Mo., band themselves together to make a sale it is a guarantee that animals of high quality will be offered. There will be a number of both males and females in this sale that were deemed worthy to be entered for competition in the American Royal Show, which in itself is a guarantee that something exceptionally good will be offered. There are a number of cows and heifers that any breeder should be proud to add to his herd and there are bulls good enough to head the best herds in America. Every animal is thoroughly guaranteed and buyers take no chance whatever in purchasing at this sale.

At the sales heretofore held under the auspices of the association there were some animals that were not desirable, principally for the reason that they were not inspected prior to being brought to the sale, but this time, as stated above, every animal was inspected at the home of its owner before being accepted for this sale and every one catalogued was deemed worthy of a place in the sale. Do not forget the time and place and if you have not already received a catalogue, one will be forwarded to you upon application to C. R. Thomas, Secretary, 225 West 12 Street, Kansas City, Mo.

E. E. Axline's Poland-China Sale.

In E. E. Axline's sale on Monday, October 9, there will be 8 head of the get of Sunshine Chief, one of the best Black U. S. boars ever bred and one of the best breeding boars ever used by any breeder. As he is dead his get will be eagerly sought after by the best breeders. There will be 12 head by Stylish Perfection and all good ones. Of these 3 will be fall gilts, 4 spring gilts and 2 choice boars. There will be 8 head by Perfect Success who has extra-fine breeding. He is out of Perfect Lady 3d by Perfect I Know; she out of Lady U. S. 2d, dam of Chief Perfection 2d and he is by the sire of the Champion Keep On. Of his get 3 are fall gilts, 1 extra fall boar and 2 boars and 2 gilts of spring farrow. There are 2 fall gilts and one fall boar and 3 boars and 3 gilts of spring farrow by Corrector's Son. If you were to see this boar and then see these young boars, you would want one of them for a herd-header and the gilts would be appreciated by any one wanting to add new herd sows. Two gilts by the old king of sires, Chief Perfection 2d; one herd boar and 6 gilts by Keep On, the International winner and sire of International winners that are all good ones; two boars and one gilt by the champion On and On; one by the famed Prince Alert and other by Corrector 2d, G's Perfection, Sure Perfection, Sure Tecumseh, Klever's Ideal and Chief McKinley. If you have not received a catalogue, get a wire or postal card after it at once, and be represented at this sale of tops, either in person or by bids in the hands of the the Kansas Farmer representative or one of the auctioneers, either of whom will handle your business for you with the utmost care and buy as much under your limit as is possible. Mr. Axline is selling a great variety of the best breeding to be had—more of a variety of different blood lines than is likely to be sold again this year. The quality of the offering is equal to if not better than Mr. Axline's former offerings. You know the kind. John D. Snyder representing the Kansas Farmer will be pleased to handle orders for our readers sent in care of E. E. Axline, Oak Grove, Mo.

Van Horn's Poland-China Sale.

On Wednesday, October 18, at Overbrook, Kans., W. B. VanHorn & Sons will hold their third annual sale of fancy Poland-China swine. The offering will consist of a considerable number of pigs sired by W. B. Perfection 33257, a grandson of Missouri's Black Chief, bred by J. R. Young, of Richards, Mo. W. B.'s Perfection was from the highest-priced litter of the J. R. Young sale of 1903. This litter brought \$317, and Young says W. B.'s Perfection was the best in the lot. He won first in class at the Missouri State Fair. Several of the pigs in the sale were sired by Perfect Tecumseh 27989, a grandson of Perfect I Know and a herd boar that has sired as many top pigs as any boar of the breed in the State. A few of the offering were sired by Gay Delight 35765, a son of Corrector and a nephew of the sweepstakes sow at the Missouri State Fair this fall. There are no better-bred hogs in the Poland-China breed than will be found in this offering. They have not been forced to make show hogs of them, but have always had plenty to eat and are strong, growthy pigs in the finest condition. Entertainment will be furnished free to buyers at the Overbrook Hotel. Purchases to the amount of \$20 or over will be given six months time on bankable paper at 6 per cent or 2 per cent off for cash. Amounts under \$20 will be cash. Colonel J. W. Sparks, of Marshall, Mo., will conduct this sale and bids by mail may be sent to him or to the Kansas

Farmer representative in care of W. B. VanHorn with the assurance that the best of care will be taken of them.

McLaughlin Bros.' Horses at the American Royal.

The greatest importers of Percheron and French Coach horses the world has yet seen are undoubtedly the McLaughlin Bros., at Kansas City, Columbus and St. Paul. Every first-prize Percheron at every great show in France in 1905 that was imported to America was brought over by the McLaughlin Bros. Just think what that statement means. Every single first prize-winner at the great National and district shows of France, during the entire year, was brought to America as the property of McLaughlin Bros., and has been sold to some of their customers or is now in their stables. From this collection of first prize-winners and champions, McLaughlin Bros. will select a number for exhibition at the American Royal at Kansas City which begins on Monday, October 9. Visitors at this show will not only have the pleasure of seeing the largest collection of Percheron horses belonging to any one man or firm but will also have the pleasure of seeing the best that now exist on earth.

Publisher's Paragraphs.

On another page will be found the new advertising card of the U. S. Chemical Manufacturing Co., 1421 West 12th St., Kansas City, Mo. This company manufactures Karosene Dip for live stock which it sells under a positive guarantee. The writer has examined the dip and seen it tested and is convinced that he has never seen a dip that is more perfect as a solution, that retains its quality as an emulsion, or that is more effective in the destruction of lice, ticks, mites, etc. It has proved itself to be invaluable as a disinfectant and does not irritate the skin in any manner. It leaves the hair soft and glossy and seems to be well-nigh the attainment of perfection in the manufacture of dips. Mr. H. B. Reed, a cattle grower of Lubbock, Texas, has just finished dipping 4,000 steers with Karosene and he is well-pleased with it that he makes the following statements under date of September 21: "I have used Karosene Dip manufactured by the U. S. Chemical Manufacturing Company, of Kansas City, and find it certain death to lice and ticks. It leaves hair in good shape and keeps the flies away for some time after dipping. I find it at least one-third stronger than any other coal-tar dip which makes it cost one-half less than other dips. I will be glad to correspond with anybody in regard to this dip and my experience with it." From a man who has just dipped 4,000 head of cattle successfully it seems that no higher praise could be given. Mention the Kansas Farmer and write them for information and prices.

Our readers are all familiar with the advertisement of the Page Woven Wire Fence Company, Adrian, Michigan, and undoubtedly know that they claim to use a better quality of wire—a basic, open-hearth, spring-steel wire, having double the tensile strength of common fence wire of the same size, and not only a stronger, but also a springier wire—a wire that makes good springs. This wire is known as Page-Wire. The Page Fence Company has just issued a souvenir edition of its house-organ, the "PAGE FENCE AGE," which gives a detailed, illustrated description of its process for manufacturing Page-Wire and tells why it is stronger and springier. Every fence-buyer should get a copy. It is free. Drop a postal card asking for "A Trip Through Our Mills."

Dawley's Top Notcher Poland-Chinas.

Fellow Breeders and Friends—I take this method of inviting you to my coming sale, October 18, 1905, at Osborne, Kans. I have endeavored to gather together an offering of Poland-Chinas that would be second to none ever held in the West. How well I have succeeded I will leave you to judge on sale-day. I have bought the top pigs from such well-known breeders as F. M. Lall, B. L. Goslick, Winn & Mastin, and also offered the produce of sows purchased from E. H. Ware, Frank Walgamuth, Henry Schenckman, J. R. Young and others. Among the attractions in the boar division are three cacklerjacks by F. M. Lall's great show and breeding boar, Grand Chief, the sire of the Nebraska sweepstake, Mogul, out of dam by L's Perfection, C's Perfection, and Winning Perfection by Ideal Sunshine; Keep On, the sire of Prince Alert, and On and On, sweepstakers at Iowa and Missouri this year; Impudence and Keep Ahead, sweepstakers at Iowa and Missouri this year; also I have a choice sow in this sale out of a Perfection E. L. dam that Colonel Cornell pronounced one of the best sows sold last winter.

Lawrence Perfection by Chief Perfection 2d and out of a sow that cost me \$200 in E. H. Ware's spring sale, should be looked after, for he is likely to be the only boar sired by Chief offered in Kansas this year.

Perfection E. L. has three mighty good ones to his credit out of Chief Tecumseh 3d and U. S. Chief 2d dams. Medal Taker by the world's champion and out of Darkness I Know by P. I. K. and Darkness ought to please the most exacting. Geo. Contrall said he was the second best Meddler pig at Mastin and his first choice sold August 19 for \$400.

One of Corrector's last sons out of a litter sister to Carnation, senior champion sow at St. Louis, would look well at the head of any up-to-date herd. A son of On and On out of the great sow Goldie Perfection that cost W. J. Honeyman \$175 last spring, is included in the list. Keep your eyes on this fellow. Nonpareil, the Missouri sweepstake of 1904, Woodbury, Choice Chief, Admiral Togo, and Perfection's Profit will all be represented by good ones, among which are the first and second prize boar pigs at Topeka State Fair.

An extended write-up of the "Sale Topper Sows" will appear next week. Write for catalogue at once. Waldo, Kans. F. A. DAWLEY.

The Coburn Herd of Red Polled Cattle.

One of the best as well as one of the

DAWLEY'S TOP NOTCHER SALE OF POLAND-CHINAS

OSBORNE,
KANSAS, **OCTOBER 18, '05**

The greatest array of Fancy Herd Headers and Sale Topper Gilts ever offered in the West. 32 Fancy Boars. 21 Sale Topper Sows.

Sired by Chief Perfection 2d Keen On Perfection E. L. Corrector Grand Chief Meddler G's Perfection On & On Nonpareil	Out of dams by Shell's Chief Perfection E. L. Chief Tec. 3d Lamplighter L's Perfection Perfect I Know Ideal Sunshine Chief Perfection 2d Stylish Perfection	Sired by Perfection E. L. Mischief Maker Meddler Grand Chief Nonpareil Woodbury Choice Chief Admiral Togo Perfection's Profit	Out of dams by Profit Proud Perfection Keen On Corrector Mo's Black Chief Chief Perfection 2d Woodbury Proud Perfection Prince Henry
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Other good ones by above boars and out of fancy bred dams, including Ceremonious Archer and Defender, First and Second prize boar pigs at Topeka State Fair this fall and May Queen, First Prize Sow Pig at same show. Every animal guaranteed a breeder and every sow sold with a breeding service to Nonpareil, sweepstakes boar at Missouri State Fair, 1904. For auctioneers and field men see catalogue. Send for catalogue.

Yours for the good ones,

F. A. DAWLEY, WALDO, KANSAS.

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.

largest herds of Red Polled cattle in the West is the Coburn Herd belonging to Geo. Groenmiller & Son, Pomona, Kans. This herd has been in the show-ring for a number of years and has always been able to give a good account of itself. The herd bull, Champion, has proved himself a great breeder and his get won first prize at the State Fair at Topeka, in the hottest competition shown in this

breed of cattle west of the Mississippi this year. By some error which crept in through oversight, the Kansas Farmer report shown that this first prize on get of bull had been given to another party. The facts are that this prize went to the Kansas bull that stands at the head of one of the greatest herds and that the judge placed the ribbon where it belonged.

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.

BABCOCK'S ANNUAL SALE OF POLAND-CHINAS

I will hold my next annual Fall Sale in my private sale pavilion at Nortonville, Kansas, on

Thursday, Oct. 19, at 1 p. m.
70 Head Pure-bred Poland-Chinas

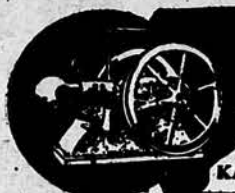
The offering consists of 20 Harmonizer gilts, unbred, 25 Harmonizer boars and six Meddler boars; also 12 brood sows, either bred or with pigs at side by Harmonizer, and 7 other select boars and sows. The herd boars in use are Harmonizer, Kansas Chief, Meddler and Corrector 2d, the sires of the offering in this sale. The sale will be held in my large sale pavilion on the farm adjoining the town of Nortonville.

Free entertainment at hotels for parties from a distance. Mail bids may be sent to either of the auctioneers, in my care. Send for free illustrated catalogue to

M. S. BABCOCK,

Nortonville, Kansas.

Auctioneers: Ools. Jas. W. Sparks and John Daum



LIGHTNING GASOLINE ENGINE
PORTABLE AND STATIONARY. NEW FEATURES.
2 to 25 H. P. Our Special Farm Engine will interest you.
KANSAS CITY HAY PRESS CO., 129 Mill St., Kansas City, Mo.

REGISTERED PERCHERONS.
Coachers, Saddlers, Big Mammoth Jacks and Jennetts. Yaffi 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.

Grand Island Route Sleeping Cars.

Beginning with Sunday, September 24, the St. Joseph & Grand Island Railway adds to the equipment of its night trains Nos. 1 and 2, Pullman standard buffet sleeping cars. These cars run between Kansas City and Grand Island, and make these trains strictly first-class and up-to-date in every respect.

These trains are no longer to be "mixed" trains between Hanover and Grand Island, with the result of materially reducing the time between Kansas City, St. Joseph and all points West.

\$1.50 to Fort Scott and Return—Account W. O. W.

On September 28, the Missouri Pacific will run special train from Topeka to Ft. Scott and return, leaving Topeka at 7 a. m., and Ft. Scott 10 p. m., rate \$1.50 for the round trip.

O. I. C. SWINE

Choice young stock of both sexes for sale at very low prices.
S. W. ARTZ, LARNED, KANS.

Special Want Column

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

CATTLE.

FOR SALE—10 Registered Galloway bulls, cheap. J. A. Darrow, House 2, Miltoysale, Kans.

FOR SALE—Eight good, registered Shorthorn bulls, four straight Cruickshanks, 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 OR TRADE Registered Shorthorn cows and heifers, \$40. R. J. Linscott, Holton, Kansas.

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 50 pounds daily, and his dam and Island winner in class for 3 years. Her 4 dams 25 to 30 quart cows, and all winners. Sayda Polo Jersey Farm, Parsons, Kans.

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 POSTER & 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.

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

LARGE English Berkshires from best registered blood. \$18.00 to \$25.00. Early spring farrow. A. M. Ross, Cedarvale, Kans.

SPECIAL OFFERING—Herd boar "Premier Durham," price \$75. Farrowed Dec. 10, 1904, dam "Lady Lee 2d" by Lord Premier, sire "Lord Durham" by Big Ben & son of Baron Lee 4th, dam of "Lord Durham" "Louise Blossom" out of "Patay Girl" by "Baron Lee 4th" dam of "Big Ben" "Matchless VII" by "Lord Winsor II" g dam "El Matchless" first at English Royal.

FOR SALE—A few very fine and fashionably bred Poland-China boar pigs, farrowed April 8th, weigh 150 to 175 lbs, litter 9, full brothers to first prize winners Topeka fair 1904. Cheap and your money back if you don't think them the best ones you ever saw for the price. Address, J. W. Ferguson, R. F. D. No. 1, Topeka, Kansas.

For Your Face's Sake.

If your face burns and itches, after shaving, don't swear at your razor or break up the furniture. Stop using cheap soap, and try real shaving soap, made especially for that purpose. The J. B. Williams Co., Glastonbury, Conn., have been making shaving soap for nearly three-quarters of a century. It will take but a moment to send for a free trial sample, as per their offer in another column, and you will reap the benefit all your life, and your wife will have a better-natured husband.

Infringement Suit.

The Glen Mfg. Co., of Ellwood City, Pa., manufacturers of The Glen Steel Folding Mat has brought suit for infringement on their patents against Geo. C. Sleeth of New Jersey, who makes a steel mat known as the Rossman Mat, sold by the Rossman Manufacturing Co. The Glen people state that they are going to vigorously prosecute their suit and desire to warn all dealers of the danger they run in handling infringing articles.

Cider for Winter.

Cider can be put in barrels and kept sweet for winter use. What would be nicer than sweet cider for this winter? Cost one-half cent per gallon. Any person can get the desired information by enclosing twelve two-cent stamps and addressing, Chemical Supply Co., 327 Quincy St., Topeka, Kans.

While I live I trust I shall have my trees, my peaceful idyllic landscape, my free country life, at least half the year; and while I possess so much I shall own one hundred thousand shares in the Bank of Contentment—Bayard Taylor.

SHEEP.

REGISTERED SHROPSHIRE RAMS for sale all good ones. Want to buy one head flock. J. B. Keeley, Sterling, Kansas.

HORSES.

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

FOR SALE of trade, one large, black jack, 16½ hands high, weight 1150 lbs. Sure foal getter; also one trotting stallion, sure breeder. Thos. Brown, Palmer, Kansas.

LOST OR STRAYED—Brown mare, weight 1100 pounds, white spot in forehead, barb wire cut on side, somewhat sway backed. Suitable reward for return. J. W. Gillard, 836 Highland ave., Topeka.

HOLSTEINS—Bull calves—you can finish raising them cheaper than I can. Also occasional high grade cows and heifer calves—the flower of a dozen-year's culling, to make room for thoroughbreds. H. B. Cowles, Topeka, Kan.

STOLEN—Sept. 22, 1905, one bay driving horse, five years old, weight 1100, spot in forehead, splint on each front leg, slit in ear, wire mark on right hind foot, spot in one eye. Reward \$25. Orville Ellis, Lyons, Kas. Phone 141.

FARMS AND RANCHES.

KANSAS LANDS.—I have a choice lot of well-improved farms in Marion County, varying from \$20 to \$50 per acre. Also large list of Western Kansas lands. For full particulars, address, A. S. Quisenberry, Marion, Kans.

200 ACRE WELL IMPROVED FARM for \$3,200, to close an estate. Address Hurley & Jennings, Emporia, Kans.

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

CHEAP HOMES—80 acres, 60 acres bottom, \$1 300. 100 acres, well improved, \$3200. 320 fair improvements, \$4500. 480 fine improvements, \$10000. Write for list, to Florence, Salina or Minneapolis Kansas. Garrison & Studebaker.

FIFTY farms in Southern Kansas, from \$15 to \$70 per acre; can suit you in grain, stock or fruit farms. I have farms in Oklahoma, Missouri and Arkansas for sale or exchange. If you want city property, I have it. Write me. I can fix you out Wm. Green, P. O. Box 906, Wichita, Kans.

LAND FOR SALE

in Western part of the great wheat State. H. V. Gilbert, Wallace, Kans.

IF YOU WANT to buy, sell or exchange a farm or business anywhere, write for our lists. O'Meara Land Co., Onaga, Kans.

FOR SALE—An elegant 160-acre farm, 1 mile from Erie, Kans., with five good oil wells and pumping plant complete, for less than value. Must sell. M. W. Hall, Erie, Kans.

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

FARMS CHEAP—160 acres, small improvements good family orchard, also young orchard, good water, ¼ cultivated, 60 acres first and second bottom, \$2,500. Write Minneapolis for this. 80 acres, all bottom, 10 acres timber, 11 acres orchard, yields \$1,000 worth of apples per year, 6-room house, small new barn. 60 acres cultivated, \$3,500. Write Salina for this.

320 acres, 70 acres of first and second bottom, nice alfalfa, good improvements, fine spring that never falls or freezes. 10 acres timber. \$3,200. Write Florence for this.

Write Salina, Florence or Minneapolis for lists. GARRISON & STUDEBAKER.

MISCELLANEOUS.

"THE CEMENT WORKER'S HAND BOOK" Tells you how to do all kinds of cement work successfully, walls, floors, walks, tanks, troughs, cisterns, fence posts, building blocks, etc., etc. Second edition. Sold in all English-speaking countries. Sent no address for 50c. Address, W. H. Baker, Seville, Ohio.

WANTED—Experienced and competent dairy man to take charge of barn, dairy-room, etc., and also an all round competent farmer. Yearly contracts, \$22.50 increase yearly. Sayda Polo Jersey Farm, Parsons.

FOR SALE—Second-hand engines, all kinds and all prices; also separators for farmers' own use. Address the Geiser Mfg. Co., Kansas City, Mo.

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

FREE—Souvenir postals from all the world. National Clearing House, Copp Bldg., Los Angeles, Cal.

FOR SALE CHEAP—Well drill good as new, for horse or steam power, capacity 700 feet. Grant Ewing, Blue Rapids, Kansas.

THE LITTLE GEM CREAM TESTER does the work as accurately as a \$100 machine. Every farmer should have one to ascertain the exact amount of butter fat in each cow's milk and protect his own interests when selling milk to creameries. Delivered to any address on receipt of \$1. Gem Manufacturing Co., Box 116, Oswego, Kansas.

WANTED—Man and wife by the year on a farm. Man must be honest and good workman. House and garden furnished. Good place for right party. Address, Viles Plantation, Medora, Kansas.

FALL BARLEY—\$1.00 per bu. f. o. b. Seed came from Tenn. 2 years ago. J. R. Reid, South Haven, Kans.

AGENTS WANTED Sell 101 bottle Sarsaparilla for \$50; best seller; 200 per cent profit. Write today for terms. F. R. Green, 115 Lake St., Chicago

FINE Scotch Collie puppies sold by Y. U. Tread way. La Harpe, Kansas.

HARDY bulbs for fall planting, lilies, candidum, white, auratum (gold banded) peonies, white rose pink, red 15c each, 6-7c, per 100 \$10. Tulips, parrot, single and double, doz. 20c, 100 \$2. Mixed German Iris 5c, 100 \$2.50. Hyacinth 5c, doz. 50c Chinese Sacred water lily 10c each. Asparagus roots 100, 35c-1000 \$2.50. Rhubarb doz. 35c, 100 \$2.50. H. H. Kern, Bonner Springs, Kansas.

Stray List

Week Ending September 14, 1905.

Johnson County—Rosco Smith, Clerk.
HOG.—Taken up by A. Owen, in South Park, Merriam P. O., Sept. 4, 1905, one black male hog; weight, 150 pounds; scar on hams and notch in right ear.

PATENTS.

J. A. ROSEN, PATENT ATTORNEY,
418 Kansas Ave., Topeka, Kans.

The Veterinarian

We cordially invite our readers to consult us whenever they desire any information in regard to sick or lame animals, and thus assist us in making this department one of the interesting features of the Kansas Farmer. Give age, color and sex of animal, stating symptoms accurately, of how long standing, and what treatment, if any, has been resorted to. All replies through this column are free. In order to receive a prompt reply, all letters for this department should give the inquirer's postoffice, should be signed with his full name, and should be addressed to the Veterinary Department, Kansas Farmer, Topeka, Kans., or Dr. C. L. Barnes, Veterinary Department, K. S. A. O., Manhattan, Kans.

The Kansas Farmer is glad to announce further that the Veterinary Department of the State Agricultural College supplies Kansas Farmer readers with veterinary medicines, with directions for treating their animals, and at reasonable prices.

Injured Mares.—My 4-year-old mare got a wire cut three months ago, on front pastern. A little below the fetlock is a growth shaped like the end of the thumb, 3/4-inch long, and red at the end like proud flesh. Just below the elbow there is a swelling an inch deep by three inches across.

I also have a mare about to foal, that got snagged between the eyes, and two inches below; there are two ragged-shaped holes 1/2 and 1/2 inch long. I thought they were simply skin wounds and did not probe, but dressed them with crude carbolic acid and crude petroleum; they dried up but now, after three weeks, her face is swelled, and something similar to boils are running matter; her eye is swelled and runs some too. It is possible she may have been shot. She has discharged a good deal through the nose. I would like a simple and effective remedy. Please give ingredients and how to mix and prepare. C. H. T. Dwight, Kans.

Answer.—The barb-wire cut had probably better be treated by removing the growth, that sticks up above the rest of the wound, by the use of a hot iron. Then heal up with disinfectants. If you fail to find a good disinfectant at your drug store, we can send you a trial box that I think you will be well pleased with.

The probabilities are that there is some loose bone in the mare's forehead that causes the chronic discharge. The fluid may need to come down through the nose to escape. It may be necessary to cut in and remove the loose pieces before you can cure them; then wash with disinfectants. Continue this until entirely healed.

Lump on Cow's Throat.—I have a valuable cow with a lump about the size of a walnut on under side of the throat, about where the jaw and neck join, just about the swallow. It does not seem to be sore, but affects her breathing, and she has a short, dry cough or grunt. What is it and what is the cure? J. D. G. Kaw City, Okla.

Answer.—A stimulating liniment applied to the cow's throat will doubtless be beneficial in relieving the inflammation which causes the lumps. Use about 2 ounces of spirits of turpentine, 2 ounces of tincture of cantharides and a pint of compound soap liniment.

Swelling on Heads of Cattle.—What is the trouble with my cattle? They have swellings or lumps about the size of an English walnut on side of the head just under the ear, and some are swollen full under the neck; they have been this way for from four to six weeks. The bull is swollen quite full around his neck and breathes hard, and when lying down will stretch his head out, and after drinking will cough; and a thick mucous comes from the nose. Cattle are all in good flesh; are running on English bluegrass pasture and have plenty of good well-water from tank. Pastures are not as good this year as in former years. There is a sort of red rust on it. Is there danger of using the milk and butter from these cows? H. C. Waterville, Kans.

Answer.—I would not advise using the milk from the cows that are out of condition; just what caused the lumps on your cows' heads I can not state without knowing more about the conditions. Probably a stimulating liniment applied to the heads would be very beneficial. Use 2 ounces of turpentine and 6 ounces of linseed oil, in

this proportion, and rub a little on each cow where the lumps are and I believe it will help to remove them.

Rabies in Cows.—In April we turned two cows into a 16-acre pasture. Cow No. 1 calved in March and cow No. 2 in June. They ran in pasture with the calves during the day and were corralled at night and milked in the morning. They had both creek- and well-water to drink. About the first of July the dung of calf belonging to cow No. 1 was yellow in color and very offensive. The cow looked a little gaunt but did not seem to be sick. In the evening of July 20 cow No. 1 seemed to be very sick; had staggering gait, was very weak and laid down most of the time; did not eat next day, stood up and drank some water and wandered around; back a trifle arched, head carried low part of the time, sweated at nose; heart beats were loud; breathed like a horse with heaves; gave a little milk; paid no attention to her calf; dung very dry; urine ordinary but little passed; had a staring look and would fight when approached. I had one or two other cows sick in about the same way; they would fight when approached. I gave raw linseed oil and Epsom salts, also injections of soapy water. The calves have not been affected. The milk at times went to water, and is tough at the bottom. What is the disease, the cause, and a remedy? Will other cattle take the disease? Elk County.

Answer.—Your animals have many symptoms that would suggest rabies, which is like hydrophobia in people. The disease starts from the bite of a mad dog. There has been considerable complaint in Western Kansas from this trouble, and the animals acted as you describe. There is no cure, except to kill the animals, as it would not pay to treat them as people are, at the Pasteur Institute. C. L. BARNES.

The Poultry Yard

CONDUCTED BY THOMAS OWEN.

Alfalfa for Poultry.

Cut clover for poultry has long been known and used as a valuable part of a chicken's ration, but the value of alfalfa is only just beginning to be appreciated. For laying hens during the winter months, there is nothing better. Nearly all the elements that go into the making of an egg are contained in it. When mixed with a little bran or cornmeal, with occasionally a feed of meat-scrap or cut bone, nothing will equal it for the production of eggs. Besides, it is one of the cheapest of all poultry foods. The last two crops of alfalfa are the best, because the stems are not so rank and the foliage is heavier. Some kind of cutter should be used so as to cut it up in suitable lengths. About half an inch long is about right. Always keep a good supply cut up on hand so that you will not stint the chickens. If you have no machine to cut it with, the leaves that drop from the stems will answer the purpose just as well as the cut lengths; in fact, the leaves are the best part of the alfalfa, but of course it costs more to use only the leaves for the stems must go to waste.

Where you have a large mow of alfalfa, enough leaves that have fallen off the stems will always be found to feed a large flock of poultry. Where you have a large quantity of alfalfa, it would pay to put it in their pens, so that the fowls may pick all they want of it in the dry state, as well as feed on it in their mash.

Poultry Pointers.

It is not too early to be picking out your show birds and to be feeding and preparing them for the show room. The man who picks his chickens out of the yards just as the show is about to open, is not the one who gets away with the premiums; but rather the

man who has been preparing for the event months ahead of time. It is well to pen up the prospective prize-winners and pet and fondle them so they may be tame and docile by show time. A figgety, flighty bird rarely wins a prize. It does not pose properly when the judge comes around to inspect it.

If people would inspect their chickens at this time of year, they would be very liable to find them overrunning with lice. They see the chicks mope around and wonder what ails them. They feed them liberally and wonder why they do not grow and thrive faster than they do. The answer is, they are pestered to death with lice and lose more than they gain in flesh. The remedy, of course, is to get rid of the vermin. Painting the roosts and poultry-house with a liquid lice-killer will help matters considerably, but the only sure cure, is to catch every chicken on the place and powder each of them liberally with insect powder. After the chicks are free from lice, you will see them prosper and thrive at once.

If you want eggs this winter, get your early pullets to laying before cold weather sets in and you will be sure of a liberal supply all winter. It would be well to have all the early pullets together in one pen and feed liberally with the most nourishing foods. After you once get the pullets started in the laying business, there is no trouble to keep it up all through the cold season. But if the cold weather strikes them before they commence to lay, the chances are that you will have no eggs till the vivifying effects of next spring's sunshine induce them to commence operations.

Rare gifts are needed, the world could not live without them. But it is not rare gifts that make men happy. It is the common and simple and universal gifts; it is health, and the glare of sunshine in the morning; it is fresh air; it is the friend, the lover; it is the kindness that meets us on the journey; it may be only a word, a smile, a look—it is these common and everyday and simple things, all coming to us from God, according to my gospel—it is these and not any rarity of blessing that are God's gentle art of making happy.—G. H. Morrison.

Bravery helps to make a nation safe. A nation of cowards can not be a strong nation. Men and women who dare fling themselves against great odds for the sake of their convictions; who do not shrink from crying out against any evil that may menace the purity of the government; who will, if need be, sever all political, social and financial ties for love of country—these are the heroes to whom a nation resorts in her hour of need.—William T. Ellis.

The Uncle Sam Refinery Co., of Cherryvale, Kans., has another record-breaking well, No. 6 on lot 43 near Bartlesville, I. T. This well, they believe, will prove better than No. 9 on lot 44 which joins this last one and has yielded 450 barrels of oil per day for four months. The opening of this record-breaking well last week, according to the Daily Republican of Cherryvale, is the latest sensation in the oil-field and in the opinion of the oil men the flow of this last well ranges from fifteen to twenty-five hundred barrels per day. Naturally the Uncle Sam Refinery Company are delighted with their latest acquisition.

Every right action and true thought sets the seal of its beauty on person and face.—John Ruskin.



Johnson's Laying Strain
R. C. BROWN LEHORNS

Fine birds. Extra layers in breeding pens. Eggs \$1.50 per 15; \$3 per 45. Range flock 75c per 15; \$3 per 90.

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SAVE YOUR CHICKS.

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

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Glendale Park, Hutchinson, Kansas.

POULTRY BREEDERS' DIRECTORY

FOR SALE.—Some fine, dark, S. C. B. Leghorn cockerels. The sire of these was First prize cockerel at Parsons, and Fourth prize cockerel at Topeka, 1905. \$1.00 each, \$5.00 for six. Jewell Bros., Humboldt, Kansas.

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

PURE BRED Rose Comb Brown Leghorn cockerels and pullets \$1.00 each, 6 for \$4.00. Mrs. John Holshy, Bendena, Doniphan Co., Kansas.

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

A FEW Rose Comb R. I. Red cockerels and 3 yearling cocks at \$1.00 a piece if taken before cold weather. Mrs. Cora Churchill, R. 3, Miltonville, Kas.

FOR SALE.—At farmer's prices 1 to 40 S. C. Brown Leghorn cockerels for breeding purposes. H. C. Short, Leavenworth, Kansas.

CHOICE S. P. ROCK cockerels and pullets—Collier pape; send for circular. W. B. Williams, Stella, Neb.

FERRETS.—Fine young ferrets, with full instructions for handling. Singles, \$3.00. Pair, \$5.00. Roy F. Cope, Topeka, Kans.

S. C. B. LEHORNS EXCLUSIVELY.—Some fine young cockerels and pullets for sale cheap if taken early. J. A. Kaufman, Abilene, Kans.

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

STANDARD BRED SINGLE COMB BUFF LEHORNS.—Headed by first prize pen Chicago Show 1903 and took six first prizes and first pen at Newton 1904. Eggs, \$3 for 15. S. Perkins, 501 East First Street, Newton, Kans.

S. C. W. Leghorns and Buff Rocks.—Winners at State Fair. Eggs, \$1 per sitting. J. W. Cook, Route 3, Hutchinson, Kansas.

TO GIVE AWAY.—50 Buff Orpingtons and 50 Buff Leghorns to Shawnee county farmers. Will buy the chicks and eggs. Write me. W. H. Maxwell, 521 Topeka Ave., Topeka, Kans.

BARRED AND WHITE PLYMOUTH ROCK Eggs, \$2 per 15; \$5 per 45. Hawkins and Bradley strains, scoring 95% to 94%. Mr. & Mrs. Chris Bearman Ottawa, Kans.

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

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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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Bates Pedigreed Strain of White Plymouth Rocks have been shown in nine poultry shows the past two years and

Won in Every One of Them. If they win for us, their offspring ought to win for you. Eggs, \$1.50 per 15. Elmwood strain of White Wyandottes also hold their own in the show-room. Eggs, \$1 per 15.

W. L. BATES, Topeka, Kansas.

White Plymouth Rocks EXCLUSIVELY.

Good for Eggs, Good to Eat, and Good to Look at W. F. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 200 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 94 to 96%, and as good as can be found anywhere. Eggs, \$2 per 15; \$5 per 45, and I prepay expressage to any express office in the United States. Yards at residence, adjoining Washburn College. Address THOMAS OWEN, Sta. B, Topeka, Kans.

PIGEONS

Squab Breeders make money if you start right with large, pure-bred homers that raise large, plump squabs that are in demand. Write us. Satisfaction guaranteed. Glendale Squab Farm, Old Orchard, Mo.

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



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

A. H. DUFF, Larned, Kans.

Grange Department

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

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

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

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Secretary..... C. M. Freeman, Tippicanoe City, Ohio

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An Interesting Grange Meeting in Shawnee County.

The meeting of Pomona with Oak Grange at their hall on Wednesday was well attended notwithstanding the washouts from recent rains. There were visiting members from Muddy Creek and Auburn Granges; and, as this was the date for the usual all-day meeting of Oak Grange, a majority from that grange were on hand to assist in giving the visitors a hearty welcome.

The usual generous lunch prepared for such occasions was spread in the dining-hall, to which all did strict justice and the usual after-dinner social intercourse followed.

At 2 p. m. the meeting was called to order by J. B. Sims, master of Pomona Grange.

By suggestion, the lecturer was requested to give, in brief outline, the work and scope of Pomona Grange. The lecturer admitted his inability to do so, though he had made some effort to investigate the matter. (Pomona Grange would be wise to get wide awake and find where they are at!)

The subject of the Parcels Post was introduced by Brother Wallace, and on motion of A. E. Dickenson the sec-

retary was instructed to communicate to our Congressmen the desire of the people in regard to the passage of this important measure. An amendment was added that each member of subordinate granges send personal letters to each Congressman, that in the storm of letters attention might be secured. On motion, a committee of one from each grange in this county was appointed to see that this subject was properly presented and return a report to the secretary of Pomona Grange. On motion of the lecturer, the executive committee of Pomona Grange was instructed to outline the work of this grange and formulate a constitution and by-laws for the same. On motion of Brother Lund, of Auburn Grange, the lecturer, was instructed to prepare a program for the next meeting and furnish a copy to each subordinate grange. This meeting will occur in December at Topeka.

A literary program followed consisting of recitations by Mr. Lund and Mr. McElroy, and a song by Miss Bessie McElroy, all of which was enthusiastically received. By request, Miss Wallace conducted roll-calling for "Current Events", as practiced at Oak Grange, and which has become so successful under her leadership. Music, vocal and instrumental, was a pleasant feature of the exercises. Sister Zella Corbett, of Oak Grange, presided at the piano.

KITTIE J. MCCracken,
Secretary pro tem.

Meeting of National Grange.

The constitution of the Kansas State Grange provides that each subordinate grange shall elect one delegate-at-large and one additional delegate for each twenty members or fractional part thereof equal to fifteen. These delegates shall meet on the third Saturday in October at the county seat or such place as may be designated, and elect from the fourth-degree members of said county one delegate-at-large and one alternate, provided said county has one grange in good standing on the books of the State Grange; also one additional delegate and one alternate for each 300 members in the county, or fractional part thereof equal to 150. If there be but one grange in the county, the delegate and alternate may be elected by the grange.

I request all delegates elected to State Grange to notify me before November 5; and to all who do so I will, if practicable, furnish copies of the daily proceedings of the National Grange as they may appear in the daily press of Atlantic City.

It is especially urged that the delegates to the State Grange, which meets at Madison, December 12-14, bring resolutions and instructions from their respective constituents for consideration of the State Grange. As there will be no general elections of officers this year, the whole time and attention of the State Grange will be given to consideration of questions pertaining to the good of the order and promotion of the objects for which we are laboring.

E. W. WESTGATE,
Master Kansas State Grange.

We must know God in order to worship Him, and the habits of our times are unfriendly to that prolonged and quiet communion with God, without which the knowledge of Him is impossible. We shall not deepen the spirit of devotion in our churches by adding to the beauty and solemnity of our public services. What we need is a clearer vision of God and a profounder and more constant sense of the truth of the ancient words that "the High and Lofty One that inhabiteth eternity, whose name is holy," is near to them that are of a contrite spirit.—R. L. Dale.

Look for things to be glad about. Insist on being happy. It is your duty. It costs effort, but it pays. Happiness comes only through making those around you happy.—Selected.

Sick Headache

When your head aches, there is a storm in the nervous system, centering in the brain.

This irritation produces pain in the head, and the turbulent nerve current sent to the stomach causes nausea, vomiting.

This is sick headache, and is dangerous, as frequent and prolonged attacks weaken the brain, resulting in loss of memory, inflammation, epilepsy, fits, dizziness, etc.

Allay this stormy, irritated, aching condition by taking Dr. Miles' Anti-Pain Pills.

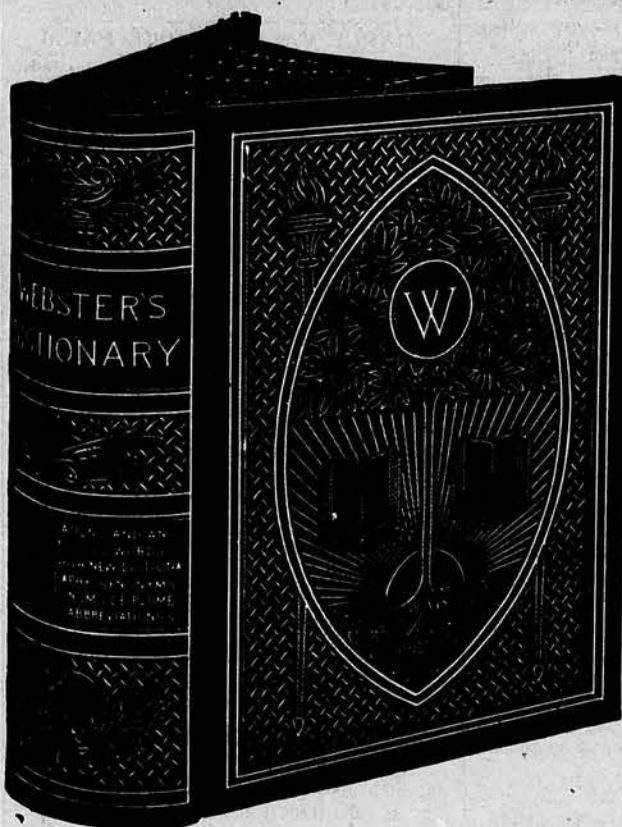
They stop the pain by soothing, strengthening and relieving the tension upon the nerves—not by paralyzing them, as do most headache remedies.

Dr. Miles' Anti-Pain Pills do not contain opium, morphine, chloral, cocaine or similar drugs.

"Sick headache is hereditary in my family. My father suffered a great deal, and for many years I have had spells that were so severe that I was unable to attend to my business affairs for a day or so at a time. During a very severe attack of headache, I took Dr. Miles' Anti-Pain Pills and they relieved me almost immediately. Since then I take them when I feel the spell coming on and it stops it at once."

JOHN J. McERLAIN,
Pres. S. B. Eng. Co., South Bend, Ind.
Dr. Miles' Anti-Pain Pills are sold by your druggist, who will guarantee that the first package will benefit. If it fails, he will return your money. 25 doses, 25 cents. Never sold in bulk.
Miles Medical Co., Elkhart, Ind.

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Cheap round-trip homeseekers' tickets on sale first and third Tuesdays of each month.

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

DUROC-JERSEYS—Large-bodied and long-bodied kind. A fine lot of spring pigs either sex for sale. Prices reasonable.
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Duroc-Jerseys
J. U. HOWE,
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Farm two miles west of city on Maple Avenue

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.
Gift-edged Duroc-Jersey Swine.

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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.

8th Annual Public Sale
Of Thoroughbred Duroc-Jersey swine, October 23, 1905. 120 head, all sizes, all ages, and all good ones. Write at once for catalogue.
Newton Bros., Whiting, Kansas.

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 Burrells Hague 21469 and Sunnyside Prince 31896. 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 boar 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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PLAINVILLE DUROC-JERSEYS
Herd headed by King of Kansas 22293, sired by Improver 24, the hog which brought \$300 for a half interest. For sale: A lot of pigs sired by King of Kansas. The brood sow, Daisy E, 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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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.

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

THE ELM 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.**

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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.
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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.

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

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Herd headed by Nonpareil 86106A. Sweepstakes boar at Missouri State Fair 1904. Can spare a few choice sows bred for May and June farrow.
F. A. DAWLEY, Waldo, Kans.

Main's Herd of Poland-Chinas
A grand lot of spring and last fall pigs, sired by the great show hog, Empire Chief 90376s out of number one sows. They take on the large size and heavy bone of their sire. Sows including Empire Chief gilts, bred for fall litters to Roller Trust, he by High Roller, the Ohio champion. 240 in herd. Fed for breeders. Priced reasonable. Annual sale October 25.
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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 27968, 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 Keep 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 32804, Perfection Now 32580, and Ideal Perfection. They are lengthy and good-boned pigs, with plenty of finish. Write me description of what you want and I will guarantee satisfaction.
JOHN BOLLIN, Route 5, Leavenworth, Kans.

Shorthorn Cattle and Poland-Chinas
A. B. MULL, Breeder, Iola, Kansas.

For sale, 6 choice Shorthorns and 4 Poland-Chinas. Catalogued in the Breeders' Combination Sale at Fredonia, Kansas, October 19th and 20th, 1905. I want to buy a Scotch Shorthorn bull.

CHESTER WHITES.

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

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

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.
J. R. EBERT, Route 3, Hunnewell, Kas.

Ohio Improved Chester White Swine.
We offer for sale a nice lot of good pigs sired by Hoosier Boy 2d 10395s, one of the best and out of such noted dams as Bessie W 19074 and Ada S. 19072, and other good brood sows. We price nothing but good straight stuff. We also have a few choice black and tan pups, nicely marked, that are sure death to rats. Prices reasonable.
A. E. STALEY & SON, R. 7, Ottawa, Kans.

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 Mine and others. Headquarters for Boars and Gilts. Write me.
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Scotch Collie Dogs
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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.

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H. D. Nutting, Prop., Emporia, Ks.

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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
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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, Jourist topper 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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Boars of July and August, '04, farrow for sale, sired by Forest King 72668. Orders booked for spring pigs.
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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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I have purchased the great S. B. Wright herd, of California—are of the best in America, and the best sows and boars I could find in Canada, and have some fine young boars by several different herd boars. Can furnish fresh blood of high quality. Eight pure Collie pups, cheap.

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BERKSHIRES

Pacific Duke 56891, 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 Halle 60125, sweepstakes Pan-American sow; Stumpy Lady 63409 by Combination 56028, sweepstakes Kansas City and Chicago 1902. Lee's Model Princess 62514, the \$180 daughter of Governor Lee 47971; Lady Lee 99th 65035, 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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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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SHROPSHIRE SHEEP

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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Aberdeen-Angus Cattle
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A few fine bulls ready for buyers. Aged cows will be sold cheap. Two jacks 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 Address
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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 188655
A pure Scotch bull.
Stock for sale at all times.
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Dunlap, Mo. is County, Kansas!
Breeder of Pure-bred Shorthorn Cattle.
Yearling bulls and heifers, \$40 each.

Meadow Brook Shorthorns

Herd headed by Baron Goldsmith 224633 by The Baron 121327; females bred to him and choice young bulls for sale.

T. C. KINGSLEY, Dover, Shawnee County, Kansas.
Railroad Station, Willard, Kans. Long Distance Telephone

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Best strains of stock for sale at popular prices.
M. WALTMIRE, - - Carbondale, Kansas

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Breeder of Shorthorn Cattle and B. P. Rock Chickens. Bulls, Cows and Heifers for sale. Prices reasonable.
Atchison Co. MUSCOTAH, 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. Aleybury 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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100 Scotch and Scotch Topped Females, 8 Scotch Topped Bulls in special offer, Pavilion Prince 207316 and Happy Knight by Gallant Knight 124765 in service.

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Forty miles south of Kansas City.

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Headed by the great Cruickshank bull, Prince Consort 187008, sired by Imported Prince of Perth 153879, and out of own sister of Lavender Viscount 124765.
YOUNG STOCK FOR SALE
Sired by such bulls as Lord Mayor, Mayor[Valentine, and Proud Knight.

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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 2d 124970, Sunflower's Boy 127337, and Bold Knight 179064.

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Evergreen Ridge SHORTHORNS

WM. H. RANSON
Route 2, N. Wichita, Kans

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, Valencia, Kans.

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By the \$1,000 KNIGHT'S VALENTINE 187770,
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
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Bulls in service: GALLANT KNIGHT 124468 and
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For Sale—Serviceable bulls and bred cows. Prices
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Registered Hereford cattle. Major Beau
Real 71821 at head of herd. Choice young
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95651 in calf to Orto 132856 for sale. Bronze
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Joseph Conell, Eldorado, Kans

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Registered Herefords

Individual merit and choicest breeding. Dale
Duplicate 2d at head of herd. Correspondence so-
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Vermilion Hereford Co., VERMILION, KANSAS.

Boatman 56011 and Lord Albert 131557 head
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sexes for sale.

E. E. Woodman, Vermillion, Kansas

Modern Herefords

Herd Bulls—Print er 66684 and the American
Royal prize-winners. Protocol 2d 91715
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Robt. H. Hazlett, El Dorado, Kans

SOLDIER CREEK HERDS OF Herefords, Shorthorns, Polled Shorthorns

Service Bulls—Herefords: Columbus 17th 91364,
Columbus Bodybody 141834, Jack Hayes 2d 119761.
Shorthorns: Orange Dudding 149469. Polled Short-
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Herd consist of 500 head of the various fashion-
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ENGLISH RED POLLED CATTLE—Pure-bred
Young Stock for Sale. Your orders solicited.
Address L. E. Haseltine, Route 7, Springfield, Mo.
Mention this paper when writing.

COBURN HERD OF RED POLLED CATTLE

Herd now numbers 115 head. Young bulls for sale.
GEO. GROENMILLER & SON,
ROUTE 1, POMONA, KANSAS

RED POLLED CATTLE AND POLAND-CHINA SWINE.

Best of breeding. Write or come and see
CHAS. MORRISON, Route 2, Phillipsburg, Kas

RED POLLED CATTLE

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

Polled Durhams

Offer some fine blooky bulls
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C. J. WOODS,

Chiles, Miami County, Kansas

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Do You Want to Buy a Jack?

If so, I have some extra good ones to sell, of the
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large, black, with light points, prices right. Write
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WALTER WARREN, Veterinarian,
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E. J. Hewitt, Prop.
ELDORADO, KANSAS

Breeder and Importer of Percheron Horses, Aber-
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Public Sale September 7, 1905.

Do You Want a Good Jack or Jennet Cheap?



Visit Limestone Valley Farm, where we will show
you the largest and best registered herd of Jacks
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by our exhibit at the St. Louis World's Fair, where
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champion in all the classes, also won the premier
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more high class Jacks and Jennets and for less
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Every reader of this notice is requested
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Send list this week to

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Largest herd in the West. Won every
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(Percheron 27228 and French Draft 4846.)

He weighs 3,404 pounds, with more bone and qual-
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Prices below competition. Call on or address

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TWELVE YEARS successfully selling all breeds
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MY REFERENCE IS THE BEST BREEDERS
nineteen states and territories for whom I have made
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Ten years' experience on the auction
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The records show that I am the
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acquaintance with breeders. Am thoroughly posted as to the best methods employed in the manage-
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Terms reasonable. Write or telephone before fix-
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Fine stock a specialty. Large acquaintance among
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Free sale tent at cost of handling only when I
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1150 LB. HOGS PRODUCED BY 3 FEEDS FOR ONE CENT

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. Gasaway, said photograph being on file in our office for inspection.

A 1150 LB. HOG RAPIDLY GROWING TO A 1700 LB. HOG

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DEAR SIR:—I enclose photograph of our big hog which is 39 inches high, 7 1/4 feet long and weighs 1150 pounds. This hog is strong and active and we believe he will develop into a 1600 or 1700 pound hog with continued use of "International Stock Food." Yours truly, THOS. GASAWAY, Latham, Ill.

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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".

If you have not received our complete list of these 24 premiums we will mail you one if you write to our office and request it. The smallest premium is \$25.00 cash and the largest is \$125.00 cash.

Dan Patch 1:56 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 show him pacing a 1:56 clip with every foot off 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 and will surely lower his own wonderful record. In his first public appearance this year he paced a mile in 1:59 1/2 at the Minnesota State Fair and he followed this up in four days with a mile in 1:57 1/2, with the last quarter in :27 1/2 seconds, which is a 1:50 gait. 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 eight world records since that time. **DAN PATCH 1:56 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.

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M. C. VANSELL'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 Poland-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. VANSELL.
Muscotah, Kansas.

Third Combination Sale of REGISTERED HOGS AND CATTLE

At the fair grounds, Fredonia, Wilson Co., Ks.,

THURSDAY AND FRIDAY, OCTOBER 19 AND 20, 1905

First day we will sell 50 head of Poland-China, Duroc-Jersey and Berkshire hogs. Second day, Shorthorn cattle, consisting of 35 cows and heifers and 10 bulls. Only high-class animals admitted in the sale. Catalogues now ready. Apply to H. E. Bachelder, Sale Manager, Fredonia, Kans. Auctioneers: Col. R. L. Harriman, Bunceton, Mo.;

COL. J. W. SHEETS,
Fredonia, Kans.

THIRD ANNUAL POLAND-CHINA SALE

To be held in J. P. Banker's barn, Overbrook, Ks.,
WEDNESDAY, OCTOBER 18, 1905.
Sale to commence at 1 o'clock p. m.

A very select lot of useful, extra large boars and gilts, mostly of last fall's farrow and mainly the get of W. B. Perfection 33257, one of the best sons of Missouri's Black Chief, and a number by Perfect Tecumseh 27989, a noted Kansas sire that has many herd headers to his credit.

Free entertainment for guests from a distance and catalogues sent on application to

J. B. VAN HORN & SONS,
Overbrook, Kans.

Auctioneers: Cols. Jas. W. Sparks, J. S. Lane, J. M. Pollom, and G. W. Obyhim.

BEST BY TEST

"I have tried all kinds of waterproof clothing and have never found anything at any price to compare with your Fish Brand for protection from all kinds of weather."

(The name and address of the writer of this unsolicited letter may be had upon application)

Highest Award World's Fair, 1904.

A. J. TOWER CO. The Sign of the Fish
Boston, U. S. A.

TOWER CANADIAN
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Makers of Warranted Wet Weather Clothing

CRUDE OIL BURNER

SUCCESSFUL
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Adapted for use in any No. 8 cook stove. No dirty coal to bring in, or dusty ashes to take out. Safe, simple, clean, convenient, and economical. Made by

MIDLAND FOUNDRY,
TOPEKA, KANSAS.

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.

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. Klever'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.

BOWSER SWEEP MILLS

Different from all others. Grind Corn with shocks or without. Run in the head and all kinds small grain. 4 and 2 horse sizes. Geared 10 to 1 or 1 to 1. (Also make 7 sizes belt mills, 10 to 1 or 1 to 1.)

C. E. F. BOWSER CO., SOUTH BEND, IND.

Pure English Blue Grass Seed. One thousand bushels of FANCY English Blue Grass, Strictly Clean. \$6.00 per hundred pounds or \$1.35 per bushel f. o. b. Independence, Kansas. No charge for sacks. Send for sample.

UNION IMPLEMENT & HARDWARE CO.

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

SPECIAL HOME-SEEKERS EXCURSIONS

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.

LANDS ARE CHEAP

Full information concerning properties, business openings, rates, etc., upon request.

M. V. RICHARDS,
Land and Industrial Agt., Washington, D.C.

CHAS. S. CHASE, M. A. HAYS,
Agt. Land & Ind. Dept. Agt. Land & Ind.
622 Chemical Bldg. Dep. 225 Dearborn St. Chicago

Paralysis and Rheumatism



I am a practicing lawyer, and I have resided at Jackson, Michigan, for a number of years. A short time ago I had a severe attack of paralysis. I lost my voice, so I could not speak a word above a whisper for a long time. I could not step one foot ahead of the other, and my memory failed me so I could not remember anything that I had done, and I had to quit my practice. Some time ago I was induced by a friend to try the Milo Cure. I did so, and soon after I commenced using it I began to get relief, and I have used it continually up to the present time. My brain is completely restored, and I can speak as well as I ever could. I can use my limbs, and I experience no difficulty in walking. My memory is getting as good as it ever was, and, in fact, I can conscientiously say that the use of the Milo Cure has been my salvation. I can, and will recommend it to all and every person afflicted with paralysis or rheumatism. Respectfully yours, M. KENNY.

Send for free sample.
MILO REMEDY CO., Albion, Mich.

SAVE YOUR FARM

OUR FREE BOOK tells you how farms are killed by cutting off timber; it explains how to save brooks, keep up fertility better, prevent crop loss from drought and hot and cold winds, etc. You need this book. Its advice will surely make money for you. Write now for it. OTTO KATZENSTEIN & CO., Box 101, Atlanta, Ga. New York City.

FOR SALE BY EASTMAN & LAKIN

Fine 80 acre farm one and one-half miles N. W. of Menoken, well improved \$3,000. 40 acre farm adjoining the city of Carbondale, 6 room house and all in cultivation, good barn, \$2,500. \$1,500 down bal. 6 per cent. Heige and wire fenced and cross fenced. 320 acres in Jewel Co. Well watered, with small house and good barn, only 4 1/2 miles to three towns at \$37.50 per acre.

160 acres in Kingfisher Co., O. T., Jack clearing, finest cotton ground, 100 a. in cultivation \$2,500. Also a fine quarter in Woodward county for \$2,500. Both well improved.

Also a nice line of farms and pasture tracts in all parts of the state. 2,000 acres pasture in Kearney county for \$2.00 per acre. Call and see us

EASTMAN & LAKIN

Ind. Phone 127. 115 West 6th Ave.
List Your Farms and Other Salable Properties With Us.

CEDAR HEIGHTS SHORTHORNS

Scotch bulls in service. Cows carry three to five Scotch crosses on standard Shorthorn foundations. 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.

D. H. FORBES & SON,
R. R. No. 8, Topeka, Kans.