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KANSAS FARMER.

Established in 1863.

Published every Thursday by the
KANSAS FARMER CO., - - TOPEKA, KANSAS

E. B. COWGILL.....President
J. B. MCAFEE.....Vice President
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No losses of cattle from blackleg ought to occur when several reliable manufacturers and the Western experiment stations are offering reliable means of preventing this disease.

At the Oklahoma Experiment Station the average yield of corn for the last four years was 622 pounds per acre, while the average yield of Kafir-corn for the same years was 1,506 pounds per acre. The feeding-value of 1,506 pounds of Kafir-corn equals the feeding-value of about 1,385 pounds of corn. The Kafir-corn yielded more than twice as much feed per acre as did the Indian corn. There is no doubt about which was the more profitable crop.

The "talent" available for the formation of shipping associations to do business on farmers' money is apparently in excessive supply. The owners of this talent appear willing to fight each other. It is hoped that they will tell no untruths about each other. One of these "wise men" claims to have brought about the conditions which sent the speculative price of wheat above a dollar a bushel for a few days. If this be true, why does he not repeat the process? He has about as much to do with making prices of wheat as the fly on the coach wheel has to do with the speed of the coach.

In order to create a deeper interest in stock-judging among the students of the Kansas Agricultural College and to give them a thorough training which will materially aid them to win honors in future stock-judging contests, the merchants of the city of Manhattan have made up a fund of about $100 to be distributed as prize money among the winners from the several classes in the college who will receive instruction in stock-judging. This is a step in the right direction and the citizens of Manhattan are to be congratulated on this recognition of the excellent work now being done in the Agricultural and Animal Husbandry Departments at the college.

The question of avoiding the liability to bloat ruminating animals by pasturing them on alfalfa seems to have been solved by Friend Andrew Hinshaw, a pioneer Quaker farmer living near Emporia. His pasture has alfalfa and English blue-grass in about equal proportions and he never has any trouble with bloat. He finds this pasture excellent and entirely safe for sheep. Indidentally he finds sheep very profitable stock. Last season he had thirty lambs from eighteen ewes. At 5 months old these weighed an average of 100 pounds. They were sold at 5 cents a pound. The ewes sheared an average of ten pounds of wool, and this sold at 15 cents a pound net. Friend Hinshaw thinks the wool pays all the cost of keeping the sheep. If this be true, the net profits go beyond percentage. The sheep are a Cotswold-Shropshire cross.

FOR EXPERIMENT STATION WORK.

In addition to a liberal appropriation for the exhibition of live-stock at the World's Fair, the Illinois Legislature at its last session made the following annual appropriation for the experiment station of that State:

For investigations in beef, mutton and wool production	$25,000
For corn work	10,000
For horticultural work	10,000
For soil work	25,000
For dairy work	15,000
Making a total for agricultural investigation alone of	$85,000

The Iowa Experiment Station is asking its Legislature for the following appropriation for the benefit of its experiment station in addition to the Government fund of $15,000 already receive:

For soil investigations	$ 6,000
For corn investigations	6,000
For horticultural investigations	5,000
For investigations with beef cattle	10,000
For investigations with swine	3,000
For investigations with sheep	2,000
For dairy cattle and creamery investigations	5,000
For poultry investigations	3,000
For agricultural extension work	5,000
For good roads experimentation	5,000
Total annual appropriation	$50,000

Kansas is rapidly coming to the front as one of the first States in the Union in the breeding of pure-bred live stock and the development of her agricultural resources. In the past, the Experiment Station at Manhattan has done work which is highly creditable to that institution, and to the State, and of great benefit to her citizens. It has, however, been constantly hampered by lack of funds. Like all other States in the Union, Kansas receives directly from the Government $15,000 per year to be expended in experimental investigation. This fund is divided among all of the several lines of work now in progress at that institution and the results obtained have been highly satisfactory for the amount of money invested. In order to accomplish what she should do and to enable her to take the place that rightfully belongs to her among the States, the Legislature should see to it that liberal appropriations are made for the carrying forward of this work. Work done at these experiment stations is money that comes back to the tax payers and is never to be thought of as an item of expense.

BUTCHERING AT HOME.

It has been proposed that farmers kill off the packers' trust by slaughtering their fat stock at home, as was the custom before the advent of the modern packing-house. Persons whose memories run back into the 60's recall the then familiar sight of wagons loaded with dressed hogs going to town to market. This was especially prevalent on frosty mornings, and the farmers' anxiety as to the weather was that it might not turn warm until after he should have made his sale.

This method of marketing disappeared with the advent of the packing-house, as the dew before the morning sun.

The average farmer never did like butchering time. He was, therefore, gratified to find that he could realize more for his stock on foot than for the dressed carcasses.

The butcher who kept a shop in the country town and a killing house in the vicinity continued to do business for some years after the farmer had ceased to kill much more than his own meat. But the butcher presently found that he could buy as much meat as he could sell in quantities suited to his trade, and have it shipped from the packing-house at less than the cost of the animals on foot and the expense of killing. He therefore became a meat-merchant rather than the keeper of a butcher shop.

The story of how the packing-house could make such prices as to bring about these changes has been often told. Briefly—a considerable portion of the weight of every animal killed on the farm is waste, while every pound of the animal killed in the packing-house is made to bring some price. Many parts thrown away by the farm killer are made into edible products by the magic of packing-house processes. All of the contents of the stomach and intestines are made into fertilizers; all of the blood is made into commercial products; all of the hair, horns, hoofs and bones are made to bring a price. The advantage of do-

(Continued on page 332.)

Agricultural Matters.

Rye-grass.

Can you send me information about rye-grass? Where can I get the seed. at what price, how much seed shall I sow per acre? What is the best way to prepare the ground for rye-grass?

My land is not adapted to alfalfa, being too high. Our wild rye-grass does very well where it gets a start. I never saw any rye-grass sown and do not know anything about it.

Morris County. F. C. SEEBER.

You can secure seed of the Western rye-grass (Agropyrum tenerum). also called Slender wheat-grass, from Northrup, King & Co., Minneapolis, Minn. They quote the seed at $14 per hundred pounds. Doubtless you can get seed from other Northwestern seed-companies but I do not notice the advertisement in other seed catalogues. Professor Shaw, of Minnesota, recommended to sow about fifteen pounds of the Western rye-grass per acre. Prepare the seed-bed in the same manner as you would prepare it for alfalfa or other grasses. A field which grew a well-cultivated crop last season and which was kept free from weeds will make an excellent seed-bed by disking and harrowing. Fall-plowing is to be preferred to spring-ploying as a rule because the fall-plowed ground will be better settled.

An ideal seed-bed for grasses should have a rather firm subsurface and good connection with the subsoil so that the moisture may be drawn up from below. Also the surface should be fine and mellow. It is not desirable to seed foul, weedy land to grass, especially in the spring, as the weeds are apt to smoother out the grass if the season should prove to be dry. The grass may be sown broadcast or it is possible to sow it with the grain-drill if the seed is well cleaned and care is taken to see that it feeds evenly, giving an even distribution of seed. Too much seed should not be placed in the drill-box at one time. Have the seed-bed thoroughly prepared before sowing the grass and harrow once lightly after seeding broadcast. If the seed be sown with the grain-drill, care should be taken not to plant it too deep. Usually an inch to an inch and a half is sufficient for sowing.

A. M. TENEYCK.

Varieties of Sorghum.

Would you kindly inform me which is the best variety of sorghum to raise? Is there a variety called Chinese Red; if so, where could I get seed? I am told that this is a good kind to raise, but I can not find it quoted in any seed-catalogue that I have. A. L. GIFFORD.

Waubaunsee County.

In the trial of different varieties of sorghum at this station last season, the largest yield of seed (40.5 bushels per acre), was produced by the variety called Coleman. Other good seed-producers were Folger, Kavanaugh and Kansas Orange. Kansas Orange gave slightly the larger production of stover (7.46 tons per acre), Coleman cane ranked second (7.41 tons per acre). The Early Amber cane matured earlier, making almost as large a yield of fodder as Coleman, but did not produce so much seed. I am not acquainted with the variety, "Chinese Red," which you mention. For general crops, the Folger, Coleman and Kansas Orange are among the standard sorts, all maturing medium early. Kavanaugh cane is the latest maturing cane which we grew last season, requiring about twenty days longer to mature than the Coleman. You can secure any of these varieties of cane from our Kansas seed-houses.

A. M. TENEYCK.

Bromus Inermis and Panicum Crus-galli.

Will you please give me information as regards the two grasses so extensively advertised by John A. Salzer, Bromus inermis and Panicum Crus-galli; their quality, manner of growth in central Kansas, in quick returns and permanent hay field as compared with alfalfa? C. H. HELM.

Ellsworth County.

Bromus inermis is one of the perennial grasses which has proven hardy and productive for growing in the western part of the United States. At this station it has proven to be a better meadow- and pasture-grass than meadow fescue or orchard-grass and is apparently even better adapted for growing farther west in this State.

Japanese barnyard-grass (Panicum Crus-galli), is an annual forage plant, a species of millet commonly called barnyard-grass. A sample of this grass was sown in our trial of different varieties of millet last season. It did not make a good growth, yielding only about a ton and a quarter of hay per acre, while common varieties of foxtail millet, such as German, Siberian and Hungarian, yielded from two to three tons of hay per acre. The trial was made on upland soil, which was not very fertile, rather a compact, heavy loam. I have seen Panicum Crus-galli grown on rich bottom-land in the Northwestern States where large yields, four to six tons of hay per acre, have been produced. A single trial on one kind of soil is not conclusive as to its adaptability for growing in Kansas. It is my judgment, however, that the common millet of the foxtail type is to be preferred for general growing in this State.

For the production of hay, neither of these crops mentioned can be compared to alfalfa where alfalfa can be successfully grown, but if your purpose is the production of a pasture, the Bromus inermis will make an excellent pasture-grass. I think it safe and a good plan also to seed a little alfalfa with the Bromus inermis when the purpose is to use as pasture. Seed fourteen to fifteen pounds of Bromus inermis and three or four pounds of alfalfa per acre. A.M. TENEYCK.

Seed-bed for Timothy and Clover.

My land is what is commonly called white-ash upland, not very fertile. With good cultivation it grows from twenty to forty bushels of corn per acre. It was in corn last year, and is fairly clean, but crab-grass is a natural product of this ground. Is it advisable to sow timothy and mammoth clover on it this spring, and how early should it be sown? Or would it be best to sow early in September, first having cut and hauled off the corn? Would the same class of ground which grew a fair crop of cow-peas last season be in condition to sow, or would the crab-grass get away with the tame grass? Both of these fields are in perfect condition; except for the crab-grass factor the seed-bed would be ideal.

Woodson County. G. A. LAUDE.

An excellent seed-bed for sowing timothy and clover may be prepared by disking and harrowing either one of the fields mentioned, and if you seed early and the spring is not unfavorable you are quite sure to get a good catch of grass and clover. As to just what effect the crab-grass will have later in the season I can not answer with certainty. If the summer and fall should prove dry, the young grass and clover might be destroyed. On land which is inclined to be weedy, especially with crab-grass, fall-seeding of grasses would generally be preferable to spring-seeding. It is safest to sow clover in the spring and on the whole I think I would risk the spring-seeding. Usually I would recommend to sow as early as the ground can be gotten into condition to receive the seed, but with the present dry condition of the surface soil it may be better to prepare the seed-bed and sow immediately after the first rain; by this plan the seed will start at once when placed in the ground, while if the ground is too dry to start the seed, nothing will be gained by early sowing and there is some risk to run in that heavy rains may pack the soil and form a crust after seeding, through which the young plants can not break.

A. M. TENEYCK.

Oats—Flax—Corn.

1. Will oats do well sowed after sowed Kafir-corn; that is, where it is planted and cultivated?

2. Will they do well after sowed cane?

3. Would you advise me to sow oats after Kafir or after corn; I mean where Kafir was grown last year?

4. Does corn do well after flax? I expect to plow the flax stubble, not list it. E. K. BUGBEE.

Lyon County.

Oats seeded this spring on Kafir-corn or cane-ground which was planted in rows and well cultivated last season, should make a good crop. I do not think it necessary to plow the ground, provided it is clean; in fact, I think you can prepare a better seed-bed by double disking and harrowing than by plowing. If the ground was not plowed last season, or if it was hard and compact, it may be advisable to plow, but care should be taken to firm and compact the ground after plowing. Oats disked into Kafir-stubble last season on the station farm, in the way I have described above, made a very good crop. It has been the experience of some farmers that grain crops succeeding Kafir-corn or cane do not produce as well as after corn, and this may in general be true, but the bad effects of the sorghum crops are more noticable when the previous season has been dry. The abundance of rain last season has left the Kafir-corn and cane-ground in such a condition of moisture that little injurious effect on this year's oat-crop is likely to be observed from the growing of the Kafir-corn and cane.

So far as my experience goes, flax makes a good rotation crop for corn. Flax has the general reputation of being a hard crop on the land. This did not prove to be true in the rotation experiments conducted at the North Dakota Experiment Station (see the thirteenth annual report), in which it was found that the flax made a good rotation crop for wheat on old land (not poor soil, however, but fertile bottom land). In my experiments with flax, I have observed that the plant does not root so deeply as other grain crops, hence it may exhaust the soil-moisture and plant-food from the surface-soil more than other crops. Whether flax will have a bad effect upon succeeding crops will depend upon the season in which the flax is grown and upon the soil or condition of the land. If the season be dry, the surface soil will be left harder and dryer than other crops would leave it. This will not only result in a less supply of moisture for the crop following flax, but the soil will not be in as good physical condition as ground which had grown other crops. Flax is often seeded on new breaking. On such land it will have a worse effect in a dry season than on old land, because being a close feeder on surface soil, it

What Rheumatics Should Eat.

Bacon is good.

Avoid red meats. They're rich in uric acid.

Chicken, turkey and all flesh of fowls is excellent.

Fish of all kinds is good.

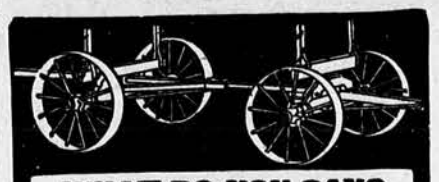
Vegetables of all kinds are good, especially rice and macaroni.

Use vinegar and spices sparingly.

Drink plenty of pure water—but little with meals, however.

Go slow on tea and coffee, and use no liquors whatever.

Rheumatic pains are evidence of the presence of uric acid, lactic acid and other foreign substances which are absorbed from red meats and "rich" foods. While careful diet will prevent future accumulation of acid poison, the acid already in the system must be expelled or a long period of torture endured. It is best to do this without introducing drugs into the stomach which interfere with digestion. Magic Foot Drafts, which are small plasters applied to the soles of the feet, have the property of stimulating the expulsion of acid poisons through the large foot pores in the form of sweat, 64 per cent of the nitrogen of which is in the form of the poison urea. The Drafts, which are worn without the least inconvenience, draw out and absorb these impurities, and have been so successful that they are in use in almost every country in the world. The Magic Foot Draft Co., F F 19 Oliver Building, Jackson, Mich., send the Drafts free on approval to every one who writes. If you are satisfied with the benefits received, send one dollar. If not, send nothing. You decide. A fine booklet on rheumatism, illustrated in three colors, is sent free with the Drafts. Write to-day and be cured.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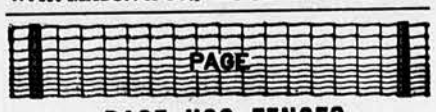

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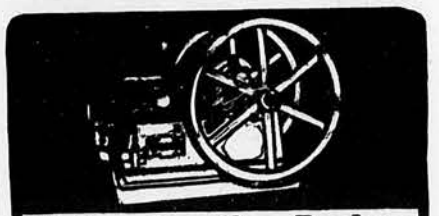
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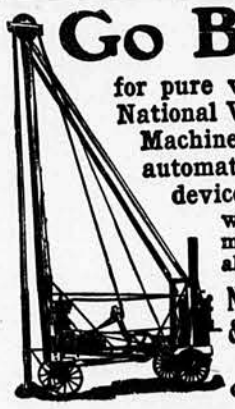
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withdraws the soil moisture to such an extent that the sod fails to decay properly, and upon being backset in the fall or next spring the sod will turn up in hard chunks (a sort of embalmed condition), which leaves the ground in bad physical condition and the soil may not recover its good tilth for several seasons, producing meanwhile inferior crops.

It would seem that with the abundance of moisture last season no bad effects should result by following flax with corn or any other crop. It may be advisable, as you have suggested, to plow the flax-stubble, but if the lister method gives better satisfaction in your locality than the level planting, it may be advisable to put the corn in with the lister even after plowing the ground. In case the corn is planted with the planter, care should be taken to prepare a good seed-bed; the ground should be packed after plowing and well harrowed, so as to make a firm subsurface and leave a fine surface mulch. A. M. TENEYCK.

English Blue-grass and Bromus Inermis on Alfalfa-land.

I have seven acres of ground that was plowed and harrowed, rolled with a Newton pulverizer, then sowed to alfalfa with a disk-drill having a grass-seeder attachment; then rolled and harrowed lightly and all finished about the last of September. I got a fine stand of alfalfa, but the grasshoppers took it clean for about two rods on every side, and the rest seems to be dead now.

I have fifty pounds of English blue-grass and fifty pounds of Bromus inermis seed that I want to sow. Would you put it on this ground without further preparation, and should it be done right away, or would it be better to wait until fall? I would like to sow the two kinds of seed separately so that I could get pure seed later. In a few years I expect to make a pasture of it. Would it be as good for pasture as if the seed were mixed? Is it best to sow by hand, broadcast, or use the disk-drill? Should it be rolled after sowing? ELI CORBIN.

McPherson County.

It may be advisable to harrow the alfalfa ground before seeding the grasses, or possibly, if you are certain the alfalfa is entirely killed out it may be well to cultivate with the Acme harrow in order to prepare a good surface mulch before seeding the grasses. It is likely, however, that some of the alfalfa will survive, and in order not to destroy plants which may survive the use of the harrow in preparing the seed-bed, it will be preferable to cultivating with the Acme or disk-harrow. It may not be necessary to even harrow the ground before seeding, provided the grass-seed is put in with the drill. As a rule, however, I would prefer harrowing to make a surface mulch, either before or after seeding, and if the seed be sown broadcast harrowing will be necessary to cover the seed.

English blue-grass may be readily seeded with the grain-drill, but the Bromus inermis is not easily seeded in this way, the seed being so light it will not seed regularly. A device may be arranged by which the Bromus inermis may be seeded successfully with the grain drill. Place a strip of board about two inches wide and one inch thick in the bottom of the seed-box, driving a tenpenny wire nail through the stick into each seed-cup and attach an upright handle near the center of the strip of board. This device will answer for an agitator to keep the seed feeding evenly. Do not put much seed in the box at one time. By trial you will soon learn how to set the drill in order to sow about the right amount of seed per acre. It is usual to sow about sixteen or eighteen pounds of Bromus inermis and twenty to twenty-five pounds of good, clean English blue-grass seed per acre. In my experience in sowing the Bromus inermis with the drill I have found it necessary to set the drill to sow two and one-half to three bushels of oats per acre in order to plant the right amount of Bromus inermis seed. If you can distribute the seed successfully with the grain-drill, this method is doubtless the best one for seeding either of the grasses named. By this method you are able to plant the seed at a uniform depth and get it well covered. Care should be taken not to plant too deep, about an inch to an inch and a half is as deep as these grass-seeds should usually be planted. If the season be favorable as regards moisture, seeding broadcast and harrowing once after seeding ought to give a good stand. If the ground be mellow and loose it may be advisable to roll, but I hardly think it advisable on the firm ground which you will use for the seed-bed. If you do roll after seeding, follow the roller with the harrow in order to leave a surface mulch.

A combination of Bromus inermis and English blue-grass seeded together will, perhaps, make a better pasture than either one seeded alone, but in order to harvest for seed, it will be necessary to seed separately. The alfalfa which may grow will not hinder saving the grass for seed and will make a better and more permanent meadow or pasture than would result without the presence of alfalfa. Under the conditions, I believe that spring seeding would be advisable; usually I would say sow as early as possible, but on account of the dry conditions of the soil this spring it may be advisable to wait and not seed until after a rain so that the ground will be in fit condition to germinate the seed at once. A. M. TENEYCK.

Early-maturing Corn.

What kind of corn would you recommend me to plant for an extra-early grain crop; also what would you plant for an extra-early fodder or roughage, as green forage or soiling crop?

J. G. ENGLE.

Dickenson County.

Early maturing corn, which yielded well last season, was Pride of the North, and King of the Earliest. These are both yellow-dent varieties. The Silvermine is also medium early. This is a white-dent variety. For early fodder, perhaps one of the early sweet fodder-corns may be preferable to the early-dents, although I would about as soon plant one of the early varieties of the dent corn named above as the sweet fodder-corn. For the production of fodder, plant thicker than for the production of ears. If you desire something which will make fodder even quicker than the corn, oats or a combination of oats and barley, cut about the time the grain is in the milk, make good hay. Or you could sow millet, using the Siberian or the Hungarian type which matures some earlier than the German millet. Field-peas or sand vetch may also be sown for early forage; preferably oats should be sown with the peas or vetch, as the combination crop can be more easily cut with the mower than the peas or vetch sown alone.

We could supply you with some seed-corn of the Yellow Dent or the Kansas Sunflower varieties. This corn is what we call second-grade, being the choice ears selected at husking time. The first-grade ears were selected earlier in the fall, but this corn has all been sold at the present time. The second-grade seed sells at $1.25 per bushel of shelled corn. The tips and butts of the ears were discarded in shelling. We could supply you with a bushel or so of the German millet at $1.00 per bushel. We have none of the other seeds mentioned.

A. M. TENEYCK.

Do You Want Good Roads?

A Good-roads Convention will be held in the city of Topeka, commencing at 10:00 o'clock a. m., Tuesday, March 29, in the Commercial Club rooms. The meeting is called at the request of the National Good-roads Association.

Every city, town, township and road-district is entitled to send delegates. All county, city, and township officers, including road overseers, are entitled to seats in this convention. A program will be prepared in which will be included papers on road topics by the best talent obtainable. W. H. Moore, president of the National Good-roads Association, will be present and address the convention. The following persons, who have taken an active part in this good-roads movement, have been invited to be present: W. S. Jennings, Governor of Florida; W. K. Vanderbilt, Jr., of New York, and W. J. Richardson, secretary of the National Good-roads Association, and others.

At this convention there will be elected delegates to the National and International Good-roads Convention to be held in St. Louis, May 16 to 21, 1904, in conjunction with the Louisiana Purchase Exposition. It is expected that the railroads entering Topeka will give a one-fare rate for the round trip to this convention.

Those who will attend are requested to notify T. J. Anderson, secretary Commercial Club, Topeka, Kans.

Will Mulch Kill Hedge?

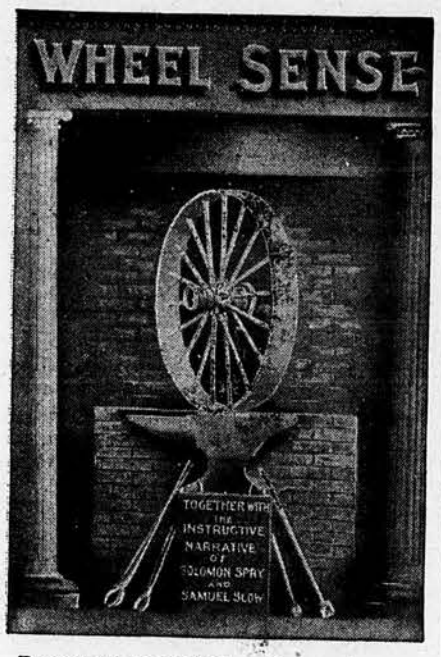
EDITOR KANSAS FARMER:—I saw, in the KANSAS FARMER of March 10, an article in regard to getting rid of hedge. I grubbed one out but it came back as thick as ever. Have any of your readers ever tried a heavy mulch after it was cut off to keep it from growing? I hear it will kill it, but would like to know if any one has succeeded with the mulch treatment.

E. SOUTHWICK.

Clay County.

"Wheel Sense."

We reproduce herewith the cover page of a most attractive booklet just issued by the Electric Wheel Company of Quincy, Ill., setting forth some good, practical sense on the subject of wagon wheels. It presents in a forcible manner the advantages of the Electric wheels, shows their strong, substantial construction and presents the case in such a way that one can hardly fail to be convinced of their value. The proposition is really simple. A low wagon is certainly more easily loaded than a high wagon. A wide tire will not cut into fields and roads, rutting them up as does the narrow tire. A metal wheel made after the manner of the Electric, certainly will outwear two or three wooden wheels and save you repair bills as long as they last. Nevertheless, it has been our experience that the average man who buys an Electric Wagon never fully appreciates its real value until after he has used it for a time; in other words, it always proves to be handier and more convenient than he had counted on. We hope our readers will send for the book and read the story for themselves.



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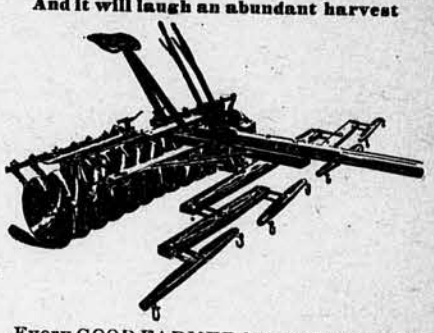

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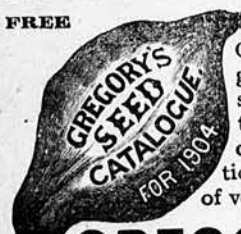

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Road Questions.

The subject of "Good Roads" is attracting much attention in different portions of the country, and if Congress passes the Grange Good Roads Bill, every State will have the opportunity of improving the highways of travel at the expense, in part, of the National Government, and partly at expense of the State and the balance at expense of the localities especially benefited thereby.

We give below two articles from the National Grange Quarterly Bulletin upon this subject:

TO WHAT EXTENT IS STATE AID TO ROAD-BUILDING JUSTIFIABLE?

Several States have already adopted a policy in the building and maintenance of roads that includes State aid under various modifications that are adapted to existing conditions. In some instances this consists of taxation upon all taxable property in the State upon a uniform basis, the funds received from this source being appropriated to towns in proportion to the mileage of road within their respective limits. This course enables the towns with little taxable property and large mileage of road to receive aid from more wealthy and more populous towns, but does not provide for more than keeping roads in repair for travel. In most States where State aid is established there is a well-defined system of permanent road-improvement under which certain roads are improved and maintained, said system being established with reference to a plan ultimately reaching all main thoroughfares in the State. Under this system the county and town in which the roads to be improved are located are required to cooperate in the expense upon a prescribed basis. This system seems to meet more general endorsement than the one first named, for the reason that it results in building and maintaining sections of first-class road which sometime in the future will become general.

To what extent the adoption of this system or any other contemplating State aid to road-building is a question that must be largely determined by local conditions, but it may be safely asserted that progress in this matter is not equal to the progress being made in other public matters. The improved means of transportation and communication and the concentration of wealth and power in every enterprise, both public and private, in order to make available the most economical methods of operation, are evidences that a broader unit must be adopted in the building and maintenance of roads. Of course, the opportunities afforded for more economical road-building under such a policy are also attended by an opportunity for greater extravagance and waste, but this is the universal rule in all concentration of power. The advantage to be derived by the rural people in having roads constructed under more skilful management and their cost contributed to by all property in the State assessed for taxation purposes more than offsets any possible disadvantage in any direction.

We are just entering upon a most remarkable era of road improvement that will attract increased attention in the future. This subject will become a prominent one in every State within the next decade. While there may be found in the centers of wealth and population those who are actuated by selfish motives in impeding any movement that requires them to contribute to the building of roads beyond the street upon which they reside, there are many large taxpayers in every city who are of such public spirit as to gladly contribute to a movement that promises to be of advantage to the people of the State. It only remains for the rural people to make an honest and earnest demand for a sensible and practical system of State-aid to road-building to secure the cooperation of those people to whom we have last referred. The Grange throughout the country can be engaged in no more worthy or honorable cause, or in one more in accord with the fundamental principles of the order than in vigorous leadership in securing a just and equitable system of State cooperation in the construction and maintenance of all main thoroughfares. At some time in the future, but perhaps not within the life of any now in existence, when all the roads will be built and maintained at State or National expense, and when the achievements of the Grange are written by a future historian, it will be greatly to its credit to have it recalled that the organization was a leader in the matter under discussion for the present month.

WHAT CAN BE DONE BY LOCAL ACTION TO SECURE BETTER ROADS?

Under existing laws the most important matter in the improvement of roads is the action of local authorities and the interest and cooperation of the people. However faithful and efficient those may be who are in direct charge of the repair of roads, the best work will not be done unless an interest is manifested by the people for whom the roads are built and maintained. Another important matter is the appreciation of the fact that road-building and road-repairing is a work that requires knowledge of the subject in order to have money economically expended and the best condition of roads maintained. It is a serious mistake to displace an efficient road-agent or supervisor simply because it is some other person's turn or because another political party has come into power in local affairs. Such action may be to the advantage of the person installed in the position, but it is seriously to the disadvantage of the people who are to use the roads and who contribute to the cost of maintaining them.

It is not easy to make suggestions upon this subject that will apply to the varied conditions existing in the different sections of the country, but there is one suggestion that is always applicable, and that is the creating of a public sentiment in favor of better roads. The influence that can be exerted in this direction by even one enthusiastic person in a neighborhood is often surprising, and when we consider what might be done by a Grange of fifty or a hundred members by devoting one meeting in the month of March to this important matter we have some conception of the possibilities in this direction. We do not wish to encourage the somewhat common tendency to criticise and find fault with public officials irrespective of the efficiency of their work, but we do wish to have sufficient interest taken in their work to commend the good and condemn the bad features of it. A distinct advantage would be gained from a thorough consideration of the best time to repair roads, of the difference in the various material used in road-building, and of the condition of the roads as compared with that in previous years. It is not expected that a knowledge of details will manifest itself equal to that possessed by the competent road-agent or supervisor, but it will cause him to be more on the alert to do his duty if the people manifest an honest interest in knowing when and how he is doing it.

Another matter of importance in this direction is the amount of money ap-

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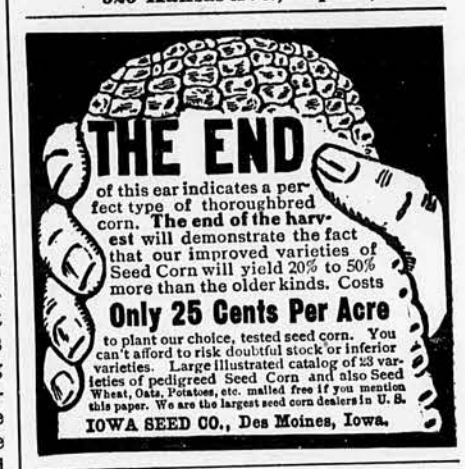

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propriated for the repair of roads. In most States this is regulated by local action, and the money not only expended, but contributed by local taxation. The increased expediture of money upon nearly all matters of a public or private nature over that of a generation or two ago warrants increased appropriations for roads, and should be so considered when action is taken upon the matter. We can with no more reason expect people to travel over such roads as our grandfathers traveled over, than can we expect people to ride in the same kind of wagons or live in the same kind of houses. The spirit of the times, either wisely or unwisely, demands the expenditure of more money for everything, and roads are no exception. A discussion of this question in the grange will bring out many other suggestions that can be made helpful in securing better roads.

Notes from Carbondale Grange.

As the brothers and sisters of our Grange have been slow in writing to the public, I will undertake the task. Maybe you would like to know how we are progressing. Our Grange was organized April, 1902, and since then we have taken seventy-eight members through the mysteries of our order. The Grange is doing nicely although some of our members could help make it more interesting. We meet every Wednesday evening, and have a fairly good attendance.

Now I for one am quite deeply interested in our Grange, and think it would be well for each subordinate grange to send an item of interest to the KANSAS FARMER. I enjoy reading the Grange Department, and have looked patiently for a word from our order, but seeing none I made the move. CERES.

Carbondale.

Miscellany.

Is the Future of the Brown County Farmer as Promising as Was the Past?

C. A. BABBIT, BEFORE BROWN COUNTY FARWERS' INSTITUTE.

Asking the opinion of other people upon this subject, I find that most of the men who had their start given them years ago say that it would take many times their cash to start now. The men who started at the same time with nothing seem to think it would be easier to start now.

But before we go further let us try to establish the status of the Brown County farmer.

We must not forget that about one-half of the farmers do not own an acre of land, but live on farms owned mostly by people too old to work and who know what their farms have produced, and would rather have $3 per acre rent than one-half of all the renter raises.

Statistics show that the Brown County yield of wheat for the past nine years is less than 17 bushels per acre, and corn for the same time has been about 31 bushels. Then why should a renter expect to own a farm in a hurry?

These two crops are acknowledged as our best and the averages are better than those of any State in the Mississippi Valley. The good farmers are getting higher averages than they did years ago, when the land was new. They put more work on an acre and are willing to pay higher rent. The farmers who own their homes will hardly come into this discussion, because everything points so directly to their future happiness that they will all want to live a long time.

Of course, all renters want to become owners and they will be encouraged by the thought that only a few men have lost their farms in the past few years and most of those who have been forced to sell have received as much as they gave. The rate of interest will probably get lower because as men get too old for active business they like to put their money in the hands of honest, energetic and capable farmers.

Easy money tends to lower rates, and higher land-prices, but farm values rise only when the farmers are willing to pay the price or the rent rather than move away or stop farming. There is much cheap land outside but the county is not being depopulated. Farm work is much less irksome than it used to be when 8 men and 4 horses in the harvest-field wasted about $3 worth of grain in doing the work that 2 men and 4 horses and $3 worth of twine will do now. Then a mower cost three times as much and would do two-thirds as much as now.

The first wire binder that I drove cost $300, and did not last long. Laborers burned some of them when they first came out. One hundred and twenty dollars will now buy a much better machine. Most of the farm machinery put on the market is getting better every year. Nearly everything that a farmer buys except land is getting cheaper, while the increased growth of cities by the influx of im migration is keeping farm products from falling in the same ratio.

The man who started single-handed 25 or 30 years ago and has succeeded in paying for a farm did not at first have a piano and furnace in the house, and a leather-topped carriage and trotting-horse in the barn. In fact, his house was not large enough to hold either luxury and his barn had posts set in the ground and a hay roof, excepting where the hay was eaten or blown away.

The largest horse in his neighborhood weighed about 1,100 pounds and was too heavy and costly for farm work compared with the Indian stock that most of us had. He kept out of debt as much as seemed possible. Those who went in debt too much at the high rates nearly all failed to pay out. It probably will not do any better now than then for a man to begin farming with a buggy to be paid for on the installment plan. That particular implement is not a farm necessity, although it is sometimes convenient.

A great many men have tried and failed and others will do likewise, but the knowledge spread by the experiment stations, agricultural colleges, farm papers, institutes, etc., will be a great help to the future farmer in his efforts to out-do the farmer of the past. Those of us who have become used to the rural free delivery and telephone will not want to do without them, and we will be just as much attached to the trolley-car when it stops at the door Sunday nights to let us step in the home from church. No team to put away after thawing our fingers against the lantern so we can unbuckle the harness.

The man who farmed the past ten years as he did the preceeding ten years and the ten years before, is not the most successful farmer. It will be necessary for the farmer to keep up with the changing circumstances. If he puts a telephone in his home he must arrange his business so as to make the 'phone self-sustaining. When he makes use of the coming trolley he will not need so good a road-team. The most of us will live to see the rural mails carried by these cars. The farmer who gets all of these new-fangled things and also holds to the old ways will find himself in the position of the boy who told me during the Franco-Prussian War that when he went to fight he would take, besides a camp outfit, a keg of powder, a musket and a bayonet, two revolvers, a bowie-knife, a tomahawk, saber, spear and shield; then nobody could kill him. I thought it would kill me to carry such a load. It is too much worry to care for so many things, and worry spoils many a man's life. If we would pick any time in the history of Brown County and compare the ten years before with the ten years following, we will find the farmers willing to pay more for land in the latter period.

Another good sign is that in the last few years farmer's sons are taking hold of farms instead of going to town to begin life. It adds to the pleasure of the old folks to find that they will not, in their declining years, have to depend upon hired help. The advent of the silo, clover rotation, corn-fodder, manure-hauling, and small timber belts

(Continued on page 332.)

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SEED-CORN Buy your seed of the farmer. Sun- and wind-dried, upland-grown. Early Leaming, Cattle King (Yellow), Mammoth White Dent, Farmers Interest (White). We can ship in the ear, carefully crated; or shelled, in sacks. Write to us for our New Catalogue and Samples. We grow our seed-corn on our own farm.
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KANSAS SEED HOUSE, F. Barteldes & Co., Lawrence, Kas
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FIRE DRIED SEED CORN FREE
Cut out this advertisement and return to us and we will SEND YOU FREE, one packet each of Iowa White Wonder, Mammoth Iowa Yellow, White Salamander and Early Yellow Rose, the four most famous varieties of Seed Corn in the Corn Belt; also a Free copy of our illustrated, descriptive Seed Corn Catalogue which fully describes all the leading and best varieties of corn. Write for it today. Its free for the asking. Address
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The illustration shows a prize ear of corn, Kansas State Fair, 1903. 13 inches long; 18 rows and 1086 grains, raised from Zimmerman's seed. See Catalog.
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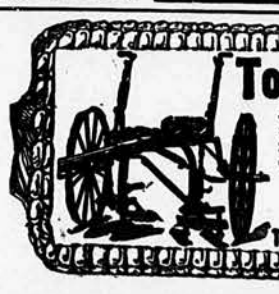

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1902 5,300 Sold

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Hollyhock, Ten Weeks Stock, Calendula, Coreopsis, Canna, Ageratum, Snapdragon, Chinese Primrose, Sweet Alysum, Fox-glove Gilia, Monkey Vine, Balloon Vine, Baby Breath, Blue Bells of Scotland, Eastern Star, Petunia, Mixed Daisy, Mixed Asters, Begonia, Mixed Poppy, Mignonette, Calliopsis, Portulaca, Sweet Peas, Cypress Vine, Pansy (mixed), Sunflower, Salvia, Balsam

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Americanize the horse as we are Americanizing the human race. Good individuality with good blood lines. For particulars address,

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ARE YOU SATISFIED AT HOME? Or do you wish to better yourself? You should investigate what the **San Joaquin Valley of California** has to offer hustlers. In that great Valley is grown nine-tenth of the U. S. grain crop, and millions of gallons of wine are made yearly. You can profitably raise almost everything there. Good farms at cheap prices. Low-rate colonist excursions in March and April on the Santa Fe. Write for pamphlets to T. L. King, A. T. & S. F. Ry., Topeka, Kans.

California

Abbotsford Stock Farm.

D. Ballantyne, Herrington, Dickinson Co., Kans., breeder of Shorthorn cattle. Herd headed by Marshal Abbotsburn 3d 185305. For sale, 9 young bulls bred by the Canadian-bred bull, Beauty's Heir.

The Stock Interest.

THOROUGHBRED STOCK SALES.

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

March 23-24, 1904—Combination Hereford sale at Kansas City, Benton Gabbert, Dearborn, Mo., and others.

March 23 and 24, 1904—Benton Gabbert and others, Herefords, at Kansas City, Mo.

March 31, 1904—Zeigra Bros., Poland-Chinas sale at Parsons, Kans.

March 31, 1904—F. H. Foster, Lyons, Kans., high-grade Percheron horses.

April 6 and 7, 1904—Scott & March, Belton, Mo., Herefords.

April 7, 1904—Central Missouri Shorthorn Breeders' Association, Moberly, Mo., E. H. Hurt, Sec.

April 23, 1904—Staadt & Keeler, Ottawa, Duroc-Jerseys.

April 24 and 25—Aberdeen-Angus Combination Sale, Des Moines, Iowa, Chas. Escher Jr., Manager.

May 24 and 25—Aberdeen-Angus Combination Sale, South Omaha. Chas. Escher Jr., Manager.

April 28, 1904—Breeders Combination Sale, Sabetha, Kans., Shorthorns.

November 1, 1904—W. B. Van Horn & Son, Poland-Chinas at Overbrook, Kans.

Color in Shorthorns.—IV.

EDITOR KANSAS FARMER:—I have now to consider the prize-winners in the junior yearling Shorthorn class of bulls dropped between January 1, 1902, and September 1, 1902.

First, Royal Wonder 188110 (dark roan). His sire was a roan, and his dam was red, with a mixed red and roan ancestry.

Second, Lavender Clipper 203771 (white). His sire and dam were both roans, imported from Scotland.

Third, Noble Knight 188106 (roan). His dam is a roan. (His maternal grandam is white). His sire is an imported red bull with ancestry of mixed colors.

Fourth, Invincible Lad 210357 (red). His sire is an imported roan Scotch bull. His dam is red, with mostly a red Cruickshank ancestry for three generations, beyond which roans are plentiful.

Fifth, Viceroy 203774 (white). Sire and dam both roans, the latter imported from Scotland.

Sixth, Fine Morning 182752 (roan). Sire and dame both roans, and bred in Scotland.

Seventh, Cactus 208186 (dark roan). His sire is an imported roan Scotch bull. His maternal grandam is a dark roan.

Eighth, Scotchman 207626 (red). Got by a red Scotch bull (with a mixed red and roan ancestry), out of the red imported Scotch cow, Amy 3d, by the red bull, Marksman 176045, whose maternal grandsire was the white Lord North 176043, and this bull's maternal grandsire was the world-renowned white Lord Irwin (29123), the greatest of all the prize-winners to date, having won over $10,000 in prizes in Scotland and England alone.

Of the eight winners in this class, two are reds, two whites, and four roans. But independently of any consideration of color, it is well to note that a close examination of their pedigrees reveals the fact that the whole class are almost wholly Scotch breeding, and no breeders of Scotch Shorthorns breed for any one color. They use the best sires obtainable and let color take care of itself. And that is what we should all do. D. P. NORTON.

Morris County.

Cure for Worms in Hogs.

EDITOR KANSAS FARMER:—In the FARMER of March 10, G. E. Hope asks for a remedy for worms in hogs. My cure that never fails is this: Get 4 or 5 gallons of crude oil, take a bucket two-thirds full of shelled corn, pour in about a gallon of the oil, mix well in feed; then take a little clean corn and sprinkle over the top. After the hogs get a taste they will readily eat it.

Success to the great FARMER paper.

M. M. GALLAGHER.

Shawnee County.

What Constitutes Pedigree?

EDITOR KANSAS FARMER:—What constitutes a pedigree? That is, what should a pedigree contain? Please give directions so a person of fair intelligence could tell whether a "paper" is genuine or not. J. M. H.

Stafford, Kans.

A pedigree is simply the written history of the family of a man or an animal. As applied to animals it refers, of course, to the history of animals which are recorded, or both of whose parents are recorded, in the standard record books for that breed. The genuiness of a "paper" is always attested by the signature of the secretary of the association. A complete list of the pure-bred record associations was published in the KANSAS FARMER some months ago. If our subscriber has a pedigree certified to by the secretary of his association and with the seal of the association attached thereto he need have no fear regarding the genuiness of the pedigree.

Will Angora Goats Eat Roots?

EDITOR KANSAS FARMER:—Will Angora goats eat turnips, beets, carrots, and other root crops the same as sheep? I would like the experience of some one who has fed roots to goats. Please answer through the KANSAS FARMER. CLYDE Z. CURLEE.

Woodward County, Oklahoma.

Shorthorns in Dickinson County.

A hurried visit to Dickinson County last week reveals the fact that this county is the Shorthorn stronghold of the State. There are probably more Shorthorns bred and raised in Dickinson County than any other county in Kansas, besides it ranks high for the number of herds of Hereford cattle as well as Poland-China, Duroc-Jersey, and Berkshire swine.

There are more Shorthorn bulls of serviceable age for sale in this county than any other county in the State, and with the exception of one herd, no females will be spared, which clearly indicates that the breeding capacities of the various establishments have not been reached, notwithstanding the average large size of the present herds.

The first Shorthorn herd visited by the Kansas Farmer representative was that of David Balantyne & Son, of Herington, an ideally equipped establishment with eighty-five pure-bred Shorthorns. This herd is headed by Marshal of Abbotsburn 3d 185305, one of the grandest bred bulls in the West. He is a 3-year-old bull bred by Geo. F. Dole, Greenfield, Mass., and was sired by Marshal Abbotsburn 122342 and tracing directly to Young Marshal, Mary Abbotsburn 7th, Craven Knight, imported Princess Alice, Field Marshal, and Roan Gauntlet, etc. Mr. Balantyne has always used bulls of this character, vigorous and large-sized bulls weighing a ton or more. The previous herd-bull was a Canadian-bred bull, Beauty's Heir, sired by Isabella's Heir anl tracing to Imp. Beauty 15th and Young Pacha, out of Missie 13th, and whose descendant, Missie 153, sold last year for $5,000.

The breeding cows in this herd are extra good milkers, and Scotch-topped Young Marys, Rose of Sharons, Elizabeths, Adelaides, Josephines, Rubys, and White Roses. Among the youngsters are some show animals and two fat steers, a white and a roan, that are good enough to go in the hottest competition. The only stock for sale at present is nine bulls, 8 to 12 months old, sired by Beauty's Heir.

At Hope, ten miles west from Herington, are the herds of Shorthorns owned by H. R. Little, Geo. Channon and M. C. Hemenway. The entire herd of Geo. Channon, numbering 200 head, is for sale in lots to suit purchasers. Mr. Channon, owing to poor health and inability to secure satisfactory help has concluded to retire from active work and is amply able to do so.

M. C. Hemenway, editor of the Hope Dispatch, is building up quite a herd of Shorthorns as well as of Poland-China and Duroc-Jersey swine. During the past two years he has added largely to his foundation stock and is having a good trade with bulls at present and has only three left, including his herd-bull, which can now be spared.

H. R. Little, of Hope, since moving his Shorthorn herd nearer to Hope, and with better modern equipment, has made phenomenal improvement in his herd during the past two years, and the use of the Scotch bull, Royal Crown 125698, has been a great cross and his get have met with great demand at good prices. At present Mr. Little has about twenty head of bulls of serviceable age that are especially desirable and can not be duplicated elsewhere in Kansas.

About ten miles north of Hope is the celebrated herd of C. W. Taylor, of Pearl, one of the largest and best-bred herds in the West, headed by three famous Scotch herd-bulls, Baron Ury 2d 124970, Sunflower 127337, and Bold Knight 179054, bred to the produce of the foundation cows, selected by John Taylor from the dispersion of the herds of Colonels Harris, Watkins, and the old Agricultural College herd, explains the high quality of the stock now on hand. Mr. Taylor has about a dozen young bulls that are quite desirable for discriminating buyers.

Most of the Shorthorn breeders visited have added pure-bred swine herds to their establishments. H. R. Little, of Hope, has started a herd of Berkshires, and C. W. Taylor, of Pearl, of Duroc-Jerseys, and nothing but the best stock obtainable has been selected for foundation.

There are other herds of Shorthorns in Dickinson County not noted here that the writer hopes to visit later, but of those noted it is evident that intending purchasers of Shorthorns, Herefords, Berkshires, Poland-Chinas, and Duroc-Jerseys can be supplied and satisfied by visiting the breeders of Dickinson County.

The Lake Park Horse Sale.

On Wednesday, April 13, will be held a sale of Standard- and trotting-bred horses at Lake Park Farm, one mile east of Butler, Mo. The offering will number about fifty head and will include the get of Dr. Cox 20015, by Domineer 8575, with a record of 2:13¼, he by Red Wilkes, the sire of Ralph Wilkes 2:06¾, and one hundred and fifty others in the 2:30 class or better. Red Wilkes is a son of Geo. Wilkes, by Hambleton-

Horse Owners! Use GOMBAULT'S Caustic Balsam

A Safe, Speedy, and Positive Cure

The safest, Best BLISTER ever used. Takes the place of all linaments for mild or severe action. Removes all Bunches or Blemishes from Horses and Cattle. SUPERSEDES ALL CAUTERY OR FIRING. *Impossible to produce scar or blemish.* Every bottle sold is Warranted to give satisfaction. Price $1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use. Send for descriptive circulars.

THE LAWRENCE-WILLIAMS CO., Cleveland, O.

All Horse Owners

who have, or fear trouble from Spavins, Ringbones, Curbs, Splints and all other forms of Lameness should buy and keep constantly on hand a supply of Kendall's Spavin Cure. It never fails in such cases.

Humboldt, Ill., Feb. 16, '03.

Dr. B. J. Kendall Co.,

Gentlemen:—I will say that I am a great friend of Kendall's Spavin Cure and am scarcely ever without it, also that I have used it with greater results than any medicine I ever used. No man ever spoke too highly of it. Enclosed find a two cent stamp for which please send me your book, "A Treatise on the Horse and his Diseases."

Faithfully yours,
F. W. ROBERTS.

Price $1; six for $5. As a liniment for family use it has no equal. Ask your druggist for KENDALL'S SPAVIN CURE, also "A Treatise on the Horse," the book free, or address

DR. B. J. KENDALL CO., ENOSBURG FALLS, VT.

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,
512 Union Stock Yards, - Chicago, Ill.

SHOO FLY HORN PAINT

makes DEHORNING safe any month, heals the wound quickly, keeps all wounds, cuts or sores free from fly infection until healed, permits castrating of animals any time with safety. Used on 50,000 head of cattle and no failures. It will do all claimed for it. Once used you will never dehorn without it. Endorsed by prominent stockmen. One quart is sufficient for 100 cattle. Sold at leading Stock Yards and druggist at $1.25 per pint, $2 per quart, $3.50 per ½ gallon, $5 per gallon. If your druggist does not keep it send order to the manufacturer

H. B. READ, Ogallala, Neb.

Write him for descriptive circular and testimonials.

LUMP JAW NO CURE NO PAY

W. S. Sneed, Sedalia, Mo., cured four steers of lump jaw with one application to each steer; and J. A. Keeseman, Osborn, Mo., cured three cases with one application to each. Hundreds of similar testimonials on hand. Full particulars by mail. Write to

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FOR CATTLE & HOGS — FREE TO DIPPING STATIONS, NURSERY MEN, SHEEP & STOCK RAISERS, SCHOOLS, FARMERS, WIVES, ETC. ENOUGH TO MAKE 1 GALLON — FOR PLANTS TREES ETC.

PREVENTS HOG CHOLERA — SHOULD BE USED BY POULTRY RAISERS

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MARSHALLTOWN, IA. BOX 14

SHOULD BE ON EVERY FARM — SHOULD BE IN EVERY HOME

FOR SHEEP & LAMBS — FOR A HOME DISINFECTION

COLLEGE FARM BULLS

The Kansas State Agricultural College Now offers for sale bulls of serviceable age of the following breeds: Aberdeen-Angus, Shorthorns, Polled Durhams, Red Polls, Guernseys, and Ayrshires. For particulars and prices address

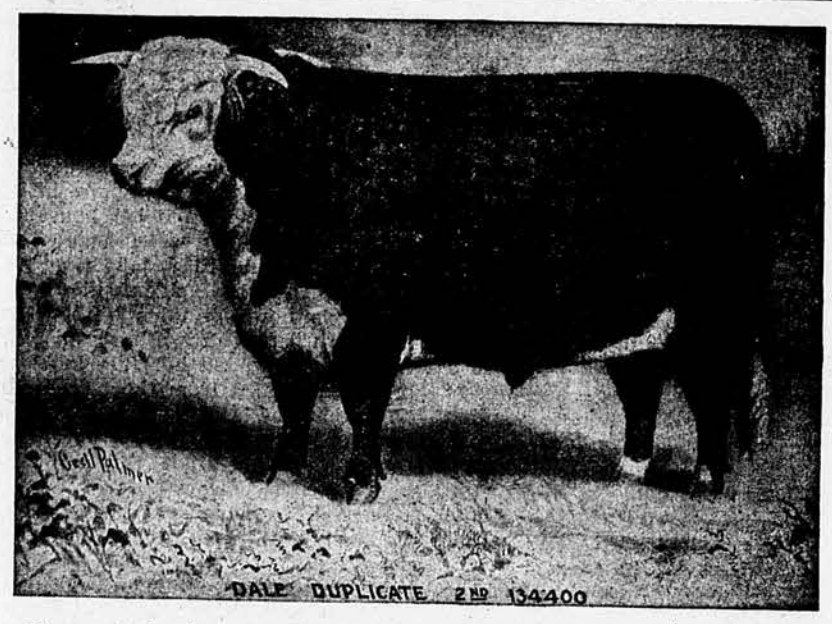
Animal Husbandry Department,
Kansas State Agricultural College,
Manhattan, Kans.

NEWTON'S Heave, Cough, Distemper and Indigestion Cure. A veterinary specific for wind, throat and stomach troubles. *Strong recommends.* $1.00 per can. Dealers. Mail or Ex. paid. The Newton Remedy Co., Toledo, Ohio.

NO MORE BLIND HORSES.

For Specific Opthalmia, Moon Blindness, and other Sore Eyes, Barry Co., Iowa City, Ia. have a sure cure

ian 10. The dam of Domineer is Lizzie 8th, by Star Almont, the sire of the dam of Criterion and a grandson of Abdallah 15. Domineer's dam is Necklace, a full sister to Seaside 2:16½, and a half sister to Fred S. Wilkes 2:11¼. Necklace was sired by Hector Wilkes, a half brother to Red Wilkes. Her dam was Alice, by Jacinto, by Almont. Dr. Cox has a trial record of 2:13½. He is 16 hands high, seal-brown and weighs about 1,200 pounds. His colts are much like him and many of them pace as well as he. The other herd-header is General Boaz, by Boaz 2:17½, by Onward 2:25, a son of Geo. Wilkes. General Boaz's dam is Bric-a-brac, by Onward, out of Venice, a granddaughter of Hambletonian 10th. General Boaz has a record of 2:17½. There are some notable horses in this offering. Those which will attract first attention perhaps are the match teams. Gypsy, a bay gelding 5 years old and 15.2 hands high, sired by General Boaz and out of Young Necklace, by Van Austin 6118. His team mate is Young Joe, of the same height, description and age. Also sired by General Boaz. His first dam was Mambrino Gift Junior. This team is wonderfully well matched in that their colors are exactly alike, their age and height the same; they are thoroughly broken and can go in 2:40 to the pole. They have wonderful bottom and can travel all day. The next team to attract attention is a matched gelding pair, 5 and 6 years old; bright bay in color and measuring 16.2 hands high. Glen was sired by Dr. Cox; dam, Nance, by Mohawk. He is stylish and well broken, and can trot in three minutes. His pole mate, Miracle, is by First National 2:13, and for a large, handsome driving team or a surrey team that can cover the miles, they leave little to be desired. Another matched team that will attract attention are the bay mare, Dora Heath, 5 years old, and the bay gelding Davy, 4 years old. They each measure 15 hands; are both sired by Dr. Cox; are very closely matched in color, size and gait, and would make a splendid team. Dora Heath is a full sister to Bell C. 2:19¼, and Davy is a full brother to her. There are several individuals in the offering that attract attention. Among them is the 4-year-old black mare Thisby. She is 15.1 hands high, sired by Dr. Cox, and can go the quarter in 35 seconds. She can go faster than her brother, Allison Cox, who had a 3-year-old trial of 2:24. The brown mare, Trilby Cox, by General Boaz, is 4 years old, and has a record of 2:21¼. On trial, she has made 1:05 in the half mile; is a wonderfully steady pacer and can be driven in the race by a woman. Another horse of great speed and fine action is Major Cox, a 9-year-old black gelding 15.3 hands high. He was neck in neck in a 2:15 race and has paced a trial one-eighth in 15 seconds. He can trot in 3 miuutes. There are many others that might be mentioned individually and that give great promise; most of them are characterized by their speed, high action and style. The sale will be held at the barns on Lake Park Farm, which are adjacent to the half mile track, where the animals will be shown in harness at the pleasure of the buyers. This is the largest offering of this class of horses that will be made from any one farm this year so far as we know, and the quality is such that it should attract buyers from far and wide, and the prices realized should be good. The advertisement of this sale appears on page 343.



Winner at the American Royal in both his senior yearling and his 2-year-old form. Now at service in the Hazford Place Herd of Herefords belonging to Robt. H. Hazlett, Eldorado, Kans. See article on "Winning at the American Royal."

The Carbondale Combination Poland-China Sale.

On March 17, at Carbondale, Kans., was held a combination sale of forty-five head of pure-bred Poland-China swine, selected from the herds of G. B. Scott, Carbondale; Bassett Bros., Burlingame; Van Horn & Sons, Lone Star; and John Cordts, Carbondale. The sale included a number of herd boars, tried brood sows and young gilts. Notwithstanding the stormy weather which prevailed the attendance of many farmers from the adjacent country, the breeders from Kansas and Missouri who came in by train, made the sale a successful one. The tried sows consigned by G. B. Scott averaged $25.54. His bred gilts averaged $11.80, and his 6-year-old herd boar, Kansas Chief, sold for $38. Of Bassett Bros. consignment, the nine tried brood sows averaged $32.66. The spring boars and a small gilt sold at an average of $7.34, and his 2-year-old herd boar brought $20. The three tried sows of John Cordt's consignment averaged $36.67, and his 3-year-old herd boar went for $18. W. B. Van Horn consigned seven bred gilts, all under 1 year, and they averaged $21.14. The herd boar, Kansas Chief 12375, was sold by Mr. Scott to Leon Calhoun, of Potter, Kans. Corwin's Chief 32781 was sold by Bassett Bros. to Henry McAfee, Topeka. Black Chief 31480 was sold by John Cordts to Fred Widout, Carbondale. These herd boars have been very useful animals and their new buyers will probably find them well worth the prices paid for them. Gus Aaron, Route 5, Leavenworth, bought two of the best brood sows in the sale, and J. M. Pollen, North Topeka, and Wm. M. Plummer, Barclay, got a number of good ones. Other purchasers were: J. B. Huett, J. A. Carpenter, C. S. Pope, W. M. Burns, W. M. Yore, B. W. Robinson, John McGrath, A. E. Long, Ed Ellis, W. I. Tripp, John Rodney, Wm. Hartman, W. F. Dixon, Wm. Ewer, John Stone, John Nickel, all of Carbondale.

Topeka Horse Sale.

The combination horse sale held under the ausipces of the Topeka Horse Sale Company, State Fair Grounds, March 15, was quite a brisk affair, notwithstanding the short time for preparation and despite the bad weather and poor accommodations for those in attendance. Colonel Sparks, assisted by O. P. Updegraff, disposed of the offering, and in most cases good values obtained, as will be seen by the detailed report herewith:

Fergus Junior 37152, John Mitchell, Topeka. $225
Anglebar 0707, F. O. Riley, Junction City. 300
Montgomery Ward 35435, M. W. James, Junction City..... 140
Barnum, Gordon Hollis, Junction City, 110
Wilkesbar 38760, L. F. Crane, Topeka, 80
Orall, Porter Cook, Topeka..... 110
Handy, 2:19¼, Joe McCormick, Zeandale. 270
Oakland Flash, Joe McCormick..... 375
Blue Jay, Joe McCormick..... 850
Electric Flash, Z. M. McCormick, Zeandale. 180
Jessica, Joe McCormick. 190
Killma, Geo. M. McCormick, Broughton. 180
Mayme B., Z. M. McCormick..... 190
Cyby, Geo. M. McCormick..... 100
Lady Carlyle, Z. M. McCormick..... 120
Miss Bramlet, H. B. Ferguson, Sabetha. 230
Flash, Geo. M. Cormick..... 150
Valencia McGregor 37991, Dr. Geo. C. Pritchard, Topeka. 270
Black Match, J. W. Ferguson, Topeka, 300
The Pope 38424, Dr. Geo. C. Pritchard, 375
Dr. Munn, J. F. Clark, Liberty, Mo.. 350
Ted, L. Lohe, Junction City..... 150
Carrie Cromby, John F. Berry, Topeka. 100
Maud Romeo, Theo. Vasper, Topeka, 85
Larry Gray, J. L. Calahan, Topeka... 120
Harry McGregor, Geo. Peyton, Topeka, 135
Plato, Dr. W. P. Brockett, Mayette, 135
Black Jet, Gordon Hollis..... 240
Lady Honor, Wm. Hugs, Topeka..... 135
Queen, Webb Hannah, Topeka..... 90
Shammont, Wm. Allen, Topeka..... 100
Lady Glen, Dr. W. P. Brockett..... 165
Silkywood, Jr., John Henzler, Topeka, 160
Golden Boy, C. Golden, Oskaloosa..... 150
The Admiral, Joe Jarvis, Holton..... 195
Pair carriage horses by Honor 6694, Joe Jarvis. 400
Senator Swigert, Webb Hannah..... 100
Bellmont, J. C. Bratton, Topeka..... 150
Queen W., Cavitt McCormick, Zeandale. 90
Guy Walnut, F. O. Weis, Coffeyville, 235
Heir Medium, Dr. Geo. C. Pritchard.. 750
George S., Geo. W. Simmers, Topeka, 295
Black Filley by Shamrock 31977, Sherman Bros., Monticello. 75
Brown Filley by Shamrock, R. I. Lee, Wanamaker. 225
Monon, Joe Jarvis. 125
Avon, Webb Hannah. 65
Anon, J. C. Shimer, Topeka..... 80
Dock, J. C. Shimer..... 90
Ajax, Webb Hannah..... 65
Cogdale, Frank Swallow, Valley Falls, 235
Fontelet, F. J. Adams, Topeka..... 95
King S., E. E. Farnsworth, Burlingame. 220
Bellie E., Lon Townsend, Topeka..... 125
Kansas King, C. M. Crews, Topeka, 300
Matched team, 1st prize Kansas State Fair, C. M. Crews..... 500
Minnie Jay, John Green, Topeka..... 150
Phyllis S., Henry Miller, Topeka..... 160
Pharaoh, Henry Miller..... 100

The Central Missouri Shorthorn Sale.

On April 7, 1904, at Moberly, Mo., will be held a sale of fifty head of Scotch, Scotch-topped and pure Bates Shorthorns by the Central Missouri Shorthorn Breeders' Association. The secretary of the Association, Mr. E. H. Hurt, Clifton Hill, Mo., states that the entire offering is a grand lot of rightly bred and useful Shorthorns, including Rose of Sharon, Young Mary, Young Phyllis, Ruby, Butterfly, Miss Severs, and other imported and fashionable families. The females number twenty-eight head and are a fine lot of young cows from 1 to 5 years old, some of which will have calves at foot and others will be bred to Scatch & Scotch-topped bulls. The offering will contain twenty-two head of bulls that are a number-one lot of youngsters just ready for service. They are mostly yearling past and 2-year-olds, and the sale will afford a splendid opportunity for range and other cattlemen to secure extra good bulls at one place and thus save expenses of visiting several herds. The sale will beg-in at 1 o'clock at Miller's Park, Moberly, Mo., and will be conducted by Cols. R. L. Harriman and Jas. W. Sparks. The terms of the sale will be cash, unless private arrangements are made before the sale. Moberly is situated on the Wabash and M. K. & T. railways, and is but a few hours' ride from Kansas City, Fort Scott, St. Louis, Omaha, Des Moines, Ottumwa and Hannibal. This makes the sale easy of access, and affords ample shipping facilities for the return of stock. Mention the Kansas Farmer and write to E. H. Hurt, Clifton Hill, Mo., for catalogue.

Gossip About Stock.

The combination sale of Aberdeen-Angus cattle held under the management of Chas. Escher, Jr., at the Omaha Stock Yards, was considered quite a successful one. There were thirteen contributors from Iowa, Missouri and Kansas, and a total of eighty head were sold for $9,630; average, $120.37. The sixty females brought an average of $124.83, and twenty bulls averaged $107.

The well-known breeder of Duroc-Jersey swine, J. B. Davis, Fairview, Kans., is now advertising two grand herd boars for sale, his young stock all being sold. This will be an opportunity for some breeder who wishes to get a tried bull in his herd. Mr. Davis reports his herd doing well and expects to have a few gilts bred for summer trade, of which announcement will be made later.

At the great Poland-China sale, to be held at Parsons, Kans., on Thursday, March 31, by Ziegra Bros., McCune, the Moore Chemical & Mfg. Co., of Kansas City, offer to give two gallons of their celebrated hog-dip to the purchaser of the highest priced Poland-China, and one gallon to the second highest. In this sale fifty-three head of high-class Poland-Chinas will be sold, including a dozen or more tried brood sows bred to the great Ideal Perfection. Thirty-eight bred sows in all will be sold and fifteen choice young boars, several the sons of Ideal Perfection. The catalogue which is now out reveals the fact that it is one of the great offerings of the year.

Mr. C. R. Clemmons, of Waldo, Kans., has our thanks for photographs showing some of his Shetland ponies. He now

(Continued on page 338)

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CENTRAL MISSOURI SHORTHORN BREEDERS' ASSOCIATION
FOURTH SEMI-ANNUAL SALE

To be held in a large tent at Miller's Park Moberly, Mo, Thursday, April 7, 1904, at which time fifty head of richly bred cattle will be sold, twenty-eight head of which are an extra lot of young cows Some of these will have calves at foot and will be bred back to good bulls. The balance that are old enough will be bred. Included in this offering are twenty-two head of bulls mostly yearlings and coming 2-year-olds, and a fine lot too are they. Anyone wishing to buy cattle at prices that will be in accordance with the quality should attend this sale.

This sale affords a great opportunity for the ranchman to buy a nice lot of young bulls and also young females. The offering is consigned from the herds of the following well-known breeders: Sam'l. W. Roberts, Pleasant Green, Mo. J. J. Litrell & Sons, Clark, Mo., J. H. Cottingham, Clark, Mo.. Rad. Wirt, Clark Mo, E. S. Johnston, Atlanta, Mo., Campbell & Bennett, Cairo, Mo., J. C. Brown, Glasgow, Mo., J. O. Hume, Glasgow, Mo., C. W. Garhart, Salisbury, Mo., John Burris and C. B. Long, Milan, Mo. Come and be with us, we will treat you right, and you are sure to be pleased with the cattle.

Auctioneers:—COLS. R. L. HARRIMAN and JAS. W. SPARKS.

For catalogues address E. H. Hurt, Secretary, Clifton Hill, Mo., mentioning the Kansas Farmer.
Attention is called to a sale of fifty head of Scotch and Scotch-topped Shorthorns by
ISAAC A. NOVINGER & SONS, at Kirksville, Mo., April 6, 1904.
Parties desiring to do so can make railroad connections so as to attend both sales.

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The Young Folks.

CONDUCTED BY RUTH COWGILL.

ROGER AND I.

Well, Roger, my dear old doggie, they
say that your race is run;
And our jolly tramps together up and
down the world are done;
You're only a dog, old fellow; a dog, and
you've had your day;
But never a friend of all my friends has
been truer than you alway.

We've had glorious times together in the
fields and pastures fair;
In storm and sunny weather we have
romped without a care;
And however men have treated me,
though foul or fair their deal—
However many the friends that failed me,
I've found you true as steel.

That's right, my dear old fellow, look up
with your knowing eye,
And lick my hand with your loving
tongue that never has told a lie;
And don't be afraid, old doggie, if your
time has come to go,
For somewhere out in the great Unknown
there's a place for you, I know.

Then don't you worry, old comrade; and
don't you fear to die;
For out in that fairer country I will find
you by and by;
And I'll stand by you, old fellow, and our
love will surely win,
For never a heaven shall harbor me,
where they won't let Roger in.

When I reach that city glorious, behind
the waiting dark,
Just come and stand outside the gate, and
wag your tail and bark—
I'll hear your voice, and I'll know it, and
I'll come to the gate and say:
"Saint Peter, that's my dog out there, you
must let him come this way."

And then if the saint refuses, I'll go to
the One above,
And say: "Old Roger is at the gate, with
his heart brim full of love;
And there isn't a shining angel of all the
heavenly band
Who ever lived a nobler life than he, in
the earthly land."

Then I know the gate will open, and you
will come frisking in,
And we'll roam fair fields together, in that
country free from sin.
So never you mind, old Roger, if your
time has come to go;
You've been true to me, I'll be true to you
—and the Lord is good, we know.

You are only a dog, old fellow; a dog, and
you've had your day—
Well, I'm getting there myself, old boy,
and I haven't long to stay;
But you've stood by me, old comrade, and
I'm bound to stand by you,
So don't you worry, old Roger, for our
love will pull us through.

—Julian S. Cutler, in Ex.

Bonnie Prince—The Autobiography of a Collie Dog.

MARION SEWELL.

CHAPTOR XXII.—ALL'S WELL THAT ENDS WELL.

Three years have passed away since my coming home, and Howard and I are now in business.

There is a sign done in gold lettering above the office door which I can not make out on account of the dimness of my eyes, but master tells me that it reads, "French & Prince, Attorneys at Law."

At first my pleasure was exceeded by surprise that I should be made a lawyer without any previous training, but for the time being I had forgotten how experienced I was; also the fact had slipped my memory that I was in a degree instrumental in making Howard the successful lawyer he now is.

In order that you may understand how this may be, I will tell you how it all happened.

Although my young master was very popular with everybody in the city where he lived, as soon as he went into the law-business his visitors suddenly became scarce, and hardly any one but Dr. Lester Winters ever called at the office, and he did not come to seek legal advice, but simply "dropped in" to talk about old times, a subject of which he seemed never to tire.

You will gather from this that Howard had little opportunity to gain a reputation or amass a fortune, two things which he, being naturally ambitious, was anxious to do.

At last, when it was becoming impossible for my dear master to remain cheerful and merry any longer, he was one day brought out of his unpleasant position by the appearance of a long, thin man who came rushing into the office in such a state of rage that I am sure Howard for the moment looked upon him as an escaped lunatic.

"Look here, young man," cried the visitor, shaking his fist in master's face, "I want you to win a case for me. You've just got to. Every bumfizzle of an old lawyer in town has ridiculed me and turned me away and I want to show him and them that I know what I'm talking about."

"And what ARE you talking about?" asked Howard quietly, when the strange man paused for lack of breath.

If the visitor had been less excited I could have understood all that he said as he began to explain the cause of his trouble. As the case stood, I merely made out that a rich neighbor had shot the speaker's dog "for trespass." "The lovin'est critter that ever was," he concluded, his anger almost melting into tears.

I saw that my master was deeply interested, even touched by his visitor's story, and he told the stranger he would see him through; see that he got satisfaction for the wrong that had been done him. Then, after some talk about "the next term of court," the visitor shook hands with Howard and went away quieted.

About a week later, at my master's invitation, I followed him closely across the city square and into a magnificent building which stood in the center of a pretty, green park.

We went up flight after flight of stairs, and I was beginning to have palpitation of the heart when Howard turned a door-knob and all at once I found myself in the presence of the largest crowd that I had ever seen. A great fear or nervousness, I do not know which, came over me, and had it not been for Howard's reassuring smile I can not say what stupid blunder I might have made.

With master's fingers on my head I walked up the wide aisle, and I was conscious that every eye was upon us. I saw two rows of men sitting close together on a platform and just below them was our strange visitor of a week ago.

Some one was speaking. I saw him standing there before that sea of faces, but to me his voice sounded hollow and far away.

Howard took a seat at the back of the platform, and I lay across his feet. The air in the room seemed very close; I was trembling and weak and faint. A thought that I had never before considered flashed across my mind and almost frightened me. I was growing old!

The blur and confusion cleared away when Howard arose. Putting me gently aside he went to the front of the platform and began at once to speak. His voice was the only thing that broke the silence, and every one stared at him. I suppose he was wholly unknown to the greater portion of the audience.

He told them what a faithful friend a dog is; of his being more of a real comfort than a human friend, because his love and gratitude do not change with the change of financial circumstances.

Howard talked a great deal more in the same strain, and though not in the least excited, he spoke so earnestly that I thought he was in need of me, and gathering up my stiff bones I went over and standing very near him I put my nose in his hand. I saw several people in the audience take out their handkerchiefs and wipe their eyes. Then before I could reason things out, my master bowed and sat down. All at once there was a great bustle and stir, and it seemed as if every one was shaking hands with Howard.

Two faces beamed especially bright; one belonged to Howard's father, and the other to the man who had engaged my master to speak in his behalf.

After that first remarkable case was won, everything went smoothly in Howard's profession, and clients were so plentiful, making such a rush of work in the office, that master was compelled to call in both his father and me to his assistance. Mr. French did all the written work and I was kept busy trotting back and forth to the postoffice.

That was more than a year ago; of late I have done but few tasks because of an unaccountable weakness which often comes over me, and I am also afflicted with a dimness of the eyes and a stiffness in the joints of my limbs. So you see it is much more easy to lie with my head on master's feet than to frolic about as I did in the springtime of my existence.

Having so much leisure I was prompted to write my autobiography, and now that it is finished you will probably say that your own dog is a great deal brighter than I, and he has not even so much as thought of making a record of what he has done.

Whatever may be your opinion I am sure that I have been a help to Howard; for, coming to him as I did, a little dependent mite, he learned kindness and regard for the feelings of others and these virtues have been the stepping-stones to his success.

And now, before I conclude the history of my own life, I will touch upon the doings of our mutual friends.

The Osborns are near neighbors of ours, having moved to this city immediately after parting from me, and their surprise and delight were equal to my own when we beheld each other in this strange land. Mr. Osborn is a prosperous grain merchant, and his wife and the boys and girls have not suffered from being transplanted into new soil, for all are contented and happy. Clay is robust and healthful and the merriest one of them all. To the whole family I am and always will be, "Old Shep."

The daring and mischievous Lester Winters has become one of the city's leading physicians; and though, out of regard to his profession, he preserves a solemn mien, he is in reality as gay as ever, and his laugh is as merry as in the days when we went to school together.

From their Illionis home Uncle Fred and Aunt Sibyl send bright letters brimming over with affection for us all. Once a year, in the holiday season, they pay us a long visit, and Uncle Fred is trying to arrange his business so that they may come and settle out here, and then our happy family circle will be complete.

Aunt Lucy, in her chosen vocation of caring for the sick, is stationed in a hospital only a few blocks away from home, and the most joyous day of the week is the one on which she comes smiling in with pleasant remarks for everybody and enthusiastic accounts of the progress of her patients.

Mr. French is kept busy with Howard's documents, but the work never grows irksome to him, so carried away is he with pride in that wonderful son of his.

Mrs. French, whom we have never found obtrusive, is very happy in her quiet way; going about her household tasks in a manner which makes one feel comfortable to watch her. The hair which was golden, like Aunt Lucy's is now sprinkled with white, and she wears it drawn back smoothly from her brow, but her face looks remarkably young, from the fact, I suppose, that she is always smiling. Aunt Lucy says that her sister never has ceased to smile since Howard came home unharmed from the war.

So you observe that with the exception of myself, each has his duties and even I am not always idle.

But however we employ our days, the time goes rushing on; yet for me there is no sadness in its flight, only a great joy at my heart, endless because of the knowledge that master and I will not be separated any more—never in this life—and afterwards—I hope it is not a wicked thought—perhaps in Howard's Heaven there will be a little corner for his faithful doy.

(The end.)

Over the Border—A Story of the Kansas Pioneer.

In our next issue a new serial will be begun under the above caption. It was undertaken in the desire to make the young people of Kansas interested in and appreciative of the splendid history of their State. As it has progressed, a loving reverence for those brave pioneers has grown in the author's heart, and it is her earnest hope that such may be its effect upon its readers. Great care and labor have been taken to make the story historically true, both from the searching of the old records and interviews and correspondence with some of the chief actors of that time. The historical events recorded have been given as accurately as was possible to one who is merely a student of the times, not an actor. Of the names mentioned in the story are those easily recognizable by the most casual student of Kansas history. Yet the principal characters in the story are entirely fictitious, except that each one represents a certain type in evidence here in pioneer days. The Fenton family is like many an Eastern immigrant family of that time. Their pleasures, their hardships, their sorrows are no different from many another family's experience. Howard Burke is a representative of the Southern interests here, and Dol-

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man is one of the many Western young men who espoused the Free-state cause.

For information and help, the author's thanks are due, first to Mrs. Sarah D. T. Robinson, Mrs. S. N. Wood, Dr. Geo. W. Brown, and Mr. R. J. Elliott, as well as many others of the Kansas pioneers, who have lent every assistance their kindness and generosity could suggest; secondly, to Miss Zu Adams, also, who, as Assistant Secretary of the Kansas State Historical Society, has been most patient and courteous, and, as a friend and critic, most wise and helpful.

The Home Circle.

CONDUCTED BY RUTH COWGILL.

WHEN PA TAKES CARE OF ME.

When pa takes care of me,
He says to ma, "By Jing!
It seems that everything
Comes on me when I've got the most to do,
But I suppose I've got to get it through
With; so you needn's fuss one bit about
Him; I'll take charge of him while you are out."
But ma makes him repeat all she has said
About what he's to do; guess she's afraid
To let him try his way
Of watching me, the day
When pa takes care of me.

When pa takes care of me
He puts me on a rug.
Gives me a kiss and hug,
Then brings in every pillow he can find,
And piles them up in front, at sides, behind
Me; "So that you can't hurt yourself," he says.
And then he gets my picture books, and lays
Them down beside me, and my blocks and toys,
And says: "Now go ahead; make all the noise
You want to; I don't care."
And I sit there and stare,
When pa takes care of me.

When pa takes care of me
No book or toy or game
Seems, somehow, just the same,
And by and by I'm through with every one,
And when I cry pa says, "Have you begun
Already? What's the matter, anyway?
There's everything you own! Why don't you play?
Stop crying now! You won't? Well, what is wrong?
Come, now, I'll sing." And then he starts some song
About "By, Baby ,By!"
And I lie flat and cry,
When pa takes care of me.

When pa takes care of me
He grabs me up at last,
And starts to walk, real fast,
And talks to me, and pats my back, and tries
To act as if he likes it, but he sighs,
And sighs, and keeps a-lookin' at the clock,
And out the window, up and down the block,
For sight of ma; and when she does come in,
She grabs me quick, and says: "It is a sin!"
And pa looks mad, and—I—
I'm glad the time's gone by
When pa takes care of me.

—Francis Churchill Williams, in the New Lippincott.

On this page are presented two more of the valuable papers from the Brown County Institute. They consider a question sometimes overlooked in this day which deals in Success with, sometimes, too little regard for the means by which that ideal is to be attained.

It is noteworthy that the two papers have arrived by different routes at the same conclusion, which means to us, also, the greatest truth for parents to remember. For it is true as ever that "As the twig is bent, so is the tree inclined."

How Can We Inculcate in the Young, Principles of Thorough Honesty?

MISS R. S. KINER, BEFORE BROWN COUNTY FARMERS' INSTITUTE.

Why not reduce the subject to two words—Honest Living?

Honest living. That is the key-note to all that is worth while in life. Had we that phrase for our watchword, strife would cease in every quarter. The child would learn at his mother's knee what it means to be truthful.

In all my experience I have met but two people who were absolutely truthful. Such people, I have noticed, are not popular in this age. They are painful. Why? Because they are so rare that they can not be understood. Do not think me sarcastic or unfair. Think for a moment. How many people do you know who are absolutely truthful? Where do they all learn to lie? In the home, generally. There may be a few isolated cases, but the home is the place where most children learn to lie and deceive. Let me illustrate. I have heard a father tell with great gusto the deceptions he practiced on his teacher, and the next day I have found the child trying to do something similar. Whenever I hear a father or mother tell of the tricks—not always harmless—which they have played, I know that the teacher or neighbors will have to bear with similar tricks tried on them. Half the trials of the teachers date to the tea-tables of their patrons. For instance, the mother expresses a distrust of some neighbor; that influence is carried to the school. It is magnified and a strife is soon raging in the district. The mother does not acknowledge her guilt, but lays it all to "children's talk." The fuss is smothered. The good neighbor believes the statement, but the child knows better and makes note of the important point from her view of it, namely, that when you can shift a responsibility, do so. That seed which the mother has sown will produce a harvest most astonishing long years after she has forgotten her part in the affair.

Take another case. The father comes home and tells how neatly he got the better of his neighbor in a horse-trade, or how well he sold some unsalable produce from the farm. He tells this with pride, because he is a shrewd trader, and a skillful money-maker. The mother smiles her approval. The children hear and at once put into practice what they have learned. They think it is right no matter what the day-teacher or Sabbath-day teacher says, because their father did it, and he to them is a good man.

Another case may still add to the proof that deception and lying are learned in the home. Distrust of the father is frequently planted in the minds of the children by an unwise, short-sighted mother. She does this so adroitly that the children soon look upon the father as a close-fisted old hypocrite. He is tolerated because he owns the property. He is deceived because his wife and children do not see that they are killing every instinct of honesty in themselves as well as in the supposed offender. Alas, when they awake how greviously will they regret the canker which has eaten the best out of their lives. Is the neglect of the father a greater sin than the infidelity of the wife who has corrupted the household and weakened the moral strength of her children and her children's children for generations to come? Every man, woman and child should be governed not by what is best for the individual, but by what is best for all. Do not forget that your brief life is but a drop in the vast ocean of humanity, ever moving toward eternity.

Many of us act as if we were all that is to be considered, act as if our happiness were the chief end of our life. Happiness is not the best of life unless it be had from honest living. What will it matter if you leave a mill or a million to your children if they have not the memory of an honest life? The memory of one who has given the best of his time, strength, mind, yes even his soul to his children is by far better than money, for these are the things which make life worth living. They are the man himself. I shall here relate an incident which may bring more forcibly to your minds the thought that honesty in home life makes honest men and women of your boys and girls.

One boy said to me when I was soliciting him as a student, "Oh, yes, father will talk very fair to you and others, about our going to school. He will make you think my sister and I do not want to go, and that he is more than willing to send us. He will promise everything, but after you are gone I shall go on drudging out of doors and sister in doors. We shall be sheltered and fed, just like the rest of the farm stock, but we won't get to school, nor will we have a paper or a magazine to read except as we borrow it from our neighbors. We have begged to go to school, but in vain." As we sat together on the cultivator in a field of corn on his father's three-hundred and twenty-acre farm I knew some one was not dealing honestly. What could I say to the boy?

The fall came and the year passed and neither the boy nor his sister were in school a day. I inquired about the father among his neighbors and found that he was known as a rich and successful man. His only fault, they said, was that he would not send his children to school. Was that the only fault? Will a man's children judge him by the money he leaves them or by the love and respect, the joy and growth which he gave them by his constant, thoughtful care? I tell you, my friends, the very best way to inculcate principles of honesty in the young is to be absolutely honest yourself. It may cost dollars and cents, but it will yield something more lasting and more desirable. How will you do it? Give your child as much care as you give your horse, your cow, your pig, your crop, your favorite candidate, your church. Make the life of your child a part of you. Talk to him, listen to him, help him be the man that you are. Do not try to have him better. Make yourself good enough for his model. He knows no better model. Let the daughter see in the mother a woman such as Mary, the mother of our Lord, was, and that girl need have no lessons in personal purity. There is nothing purer, better, more godlike than a true mother.

In a district where it was my privilege once to teach, there was a woman who had not much money and very little sympathy from her neighbors. She belonged to that despised class, stepmothers. Her husband died leaving her three step-sons. Such planning, such sacrifice, I never have seen equaled. The boys grew to manhood and are known among men as incorruptible. That woman's plan was to spend some time each busy day with each boy alone. When I recall one scene in her little house not many years since I feel that she had learned "how to inculcate principles of honesty in the young." Those three stalwart men stood by her coffin in which lay a little dried up old woman. The knotty hands were folded at rest; the wrinkled old face was peacefully smiling. Her sons wept, not for her going—oh, no!—but for their loss in her helpfulness. One said to me, "She was more than mother to us boys, she was life itself. I never knew her to do a mean thing in her life, or to quibble one minute about whether a thing was right or wrong. She decided such things instantly." Think of her influence. Three men with three families to spread the truth as she taught it. No question in her mind about how to make honest men. Good books, good schools, good ministers, good surroundings, all these sink into insignificance when contrasted with daily example. Honest living in the home is the beginning of wisdom. Bear in mind this point; if you wish to inculcate principles of honesty, you must be honest.

How Can We Inculcate in the Young, Principles of Thorough Honesty?

C. H. ISLEY, BEFORE THE BROWN COUNTY FARMERS' INSTITUTE.

This very important question might be answered by one single sentence, namely: Let every father and mother and guardian and teacher with others interested, by all their actions, looks and speech, be sincerely honest and upright in their daily dealing and walks, and such desirable fruit will be the result. Like begets like. Children and young people generally are very susceptible; they readily adopt the things taught and practiced before their eyes. If we desire a child to grow up thoroughly honest, we can not afford to take advantage of our neighbor or other person, in business or otherwise. To the shame of humanity we are sorry to know that to commit such misdeeds and then boast over them is too frequent.

The axiom, "Honesty is the best policy," is also often accepted as truth verified. Nothing in that line can be more misleading. It is a falsehood, hatched out by the father of lies. It should be a joy and desire to be honest because it is right, because it is

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We have three car-loads of Higginsville Apiarian Supplies in stock, which we will furnish at factory prices, saving freight from factory to Kansas City. Special prices furnished on large orders. Correspondence solicited. Catalogue furnished on application. Advise ordering early.
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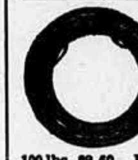
Any style glasses for $1. Write for free examin tion sheet and illustrated catalogue. Satisfacti guaranteed. R. H. Baker Co., 624 Kansas Ave., T peka, Kans.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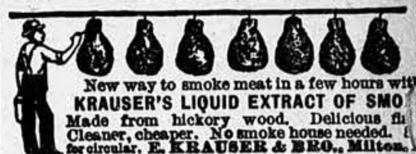
SMOOTH GALVANIZED WIR put up 100 lbs. to a bale, gauges fro 11 to 14 inclusive. Lengths running u to 250 ft. Per 100 lbs. $1.40. Fen Staples, all sizes, per 100 lbs. $2.0 Wire Nails, assorted in a keg, p 100 lbs. $1.70. Barbed Wire, p 100 lbs. $2.60. Poultry Netting, Field Fence, etc., low prices. Ask for free catalogue No. 61, merchandise of all kinds from Sheriffs and Receivers sal CHICAGO HOUSE WRECKING CO., 35th & Iron Sts, Chicag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Made from hickory wood. Delicious fl Cleaner, cheaper. No smoke house needed. for circular. E. KRAUSER & BRO., Milton.

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Telegraphy thoroughly taught and pos tions secured. Write us.
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ALL SKIN DISEASES CURED
Send 6 cents for Trial Treatment and Testimonial W. BULLARD, 373 Theodore St., DETROIT, MICH

Rural Mail Many new routes will go in this year. want name and address of every man w sends in a petition. We will send a BOX FREE to first one sendi us full informati
BOND STEEL POST CO., ADRIAN, MICH

CARDS Send 2 cents for LARGEST and FINEST Agents' fit of Hidden Name, Envelope, Silk Fringe, Calling Business Cards ever sent out. For STRICTLY up-to-d cards, fine premiums and low prices WE LEAD THE WO COLUMBUS CARD CO. 66 F St. Columbus, Oh

God's way and pleasure, and not because it is good policy. When will Americans become ashamed of shams? To be truly honest is a guarantee against disappointment, dishonor and shame. A policy schemer does not foresee how soon his tactics will leak out and his former companions shun him. Not so with the honest, true, upright boy, girl, woman, or man. They are true metal, full weight, like gold and silver coins, always trusted until they become favorites—persons whose counsel and friendship are sought far and wide.

Oh, for lives always true! Yes, let thorough honesty be one of our fixed principles—a foundation stone of our character, of our daily life, and our example will not have been in vain. Such a righteous principle fully inculcated—embodied in our being—will become an inspiration to those about us, a help to the downcast and discouraged. Then, too, we realize that we are not in this world alone, simply for a selfish purpose; we will look about and see if some of our neighbors need a good Samaritan's turn, a sympathy that is felt.

The center of influence to be truly effective must dwell in the home. That home should be made so attractive that the children, God's gift, will love it. This attractiveness should not consist in outward appearance only, but the life that is lived there should make it charming—the dearest spot for the whole family. Choice music, stirring songs, have much to do to sweeten the home. The sorrowing are cheered and the erring reclaimed by an appropriate song. Make the home as melodious as do the birds the shady bowers. Let our songs and hymns be strong and lively, with a clear, distinct voice, something like those of our beloved Prof. E. O. Excell, when he sings in the following strains:

"When the days are gloomy, sing some happy song,
Meet the world's repining with a courage strong;
Go with faith undaunted thro' the ills of life,
Scatter smiles and sunshine o'er its toils and strife."

Another feature of inculcating principles of thorough honesty in the young is to impress vividly upon their minds the fact that life is an earnest reality; to make it satisfactory—a true contentment, the life must be what we profess it should be, reliable, upright. We are a part of a very busy world, each one striving to earn a livelihood. By honest, useful industry, like that of the busy bees, this land is filled with comforts and the dinner-tables with the sweets of fruit and honey. Every American young person, rich and poor, male and female, needs to be endued with the exalted ambition to earn his own sustenance, never to think that others should do it for him. Labor is honorable, health-producing. What we faithfully and honestly earn is what gives nerve, spice and zest to life. Those who pave and pay their own way, either as hired help on the farm, or in the kitchen, or by other honorable vocations, as trusted employees, will, in course of time, be recognized for their faithfulness and promoted accordingly.

Parents should especially remember, however, that such coveted results do not grow spontaniously; it takes patient, continued effort to make of a child an honored, useful citizen. But is it not worth the price, ten times over, when we finally do succeed?

Discipline in the home is an essential means to that end. A child who learns to obey and respect mother's and father's requests will become an obedient, studious public- and Sunday-school scholar, and later on will be an ardent defender of God's commandments and of our country's just laws. The disregard of such devotion usually has its beginning in the home. Parents have much need to watch and pray with constant love, lest their children be among the lost and wrecked. We must not forget that a child needs to be led and trained, not driven. Never, never, speak to a child, nor to any other person, in a disparaging manner—rather hold out a loving hand to the erring. In so responsible a task as child-training we have much need for the light and knowledge that comes from God with the teachings of the Gospel of God's Son.

A FEW SUMMARIZED ENCOURAGEMENTS.

1. Let us realize that the most valuable things we call ours are the children. They are God's jewels. Our privilege is to guide their young steps through this world, and to the one more beautiful beyond.

2. We live in the best, richest country. Let us cheer the Stars and Stripes, and love the flag of our land, as we do our lives, and do all we can to make our people better.

3. We live in attractive, convenient homes. Let us make them true Bethels, little, peaceful Edens.

4. Our churches are the pride of our land, let them be our chief resorts to worship the Creator of heaven and earth.

5. We have the best equipped system of schools, presided over by a corps of noble, kind, intelligent educators. Every child in the land should be therein Americanized and educated.

6. There is no Army and Navy like ours. Can we not help those who are our country's defenders to be brave, noble, sober, virtuous, and true men?

7. No other railroad system can compare with ours, but powerful as the system is, it has no right to ride over our country's laws, nor to ignore the commands of God. It shows no regard for the Sabbath.

8. We live under a Government most gentle and liberal, and therefore we should be the most thankful, most loyal citizens of any people on this globe.

Club Department

OFFICERS OF STATE FEDERATION OF WOMEN'S CLUBS.

President.....Mrs. Cora G. Lewis, Kinsley
Vice-Pres....Mrs. Kate E. Aplington, Council Grove
Corresponding Sec'y..Mrs. Eustice H. Brown, Olathe
Recording Secretary.....Mrs. F. B. Hine, Kinsley
Treasurer.....Mrs. J. T. Willard, Manhattan
Auditor.....Mrs. D. W. Wilder, Hiawatha
State Secretary for General Federation.....
.....Mrs. C. C. Goddard, Leavenworth

Our Club Roll.

Mutual Improvement Club, Carbondale, Osage County (1895).
Give and Get Good Club, Berryton, Shawnee County (1902).
Woman's Literary Club, Osborne, Osborne County (1902).
Ladies' Reading Club, Darlington Township, Harvey County (1902).
Woman's Club, Logan, Phillips County (1902).
Domestic Science Club, Osage, Osage County (1888).
Ladies' Crescent Club, Tully, Rawlins County (1902).
Ladies' Social Society, No. 1, Minneapolis, Ottawa County (1888).
Ladies' Social Society, No. 2, Minneapolis, Ottawa County (1889).
Ladies' Social Society, No. 3, Minneapolis, Ottawa County (1891).
Ladies' Social Society, No. 4, Minneapolis, Ottawa County (1897).
Chalitso Club, Highland Park, Shawnee County (1902).
Cultus Club, Phillipsburg, Phillips County (1902).
Litertae Club, Ford, Ford County (1903).
Sabean Club, Mission Center, Shawnee County, R. R. No. 2 (1899).
Star Valley Woman's Club, Iola, Allen County (1902).
West Side Forestry Club, Topeka, Shawnee County, R. R. No. — (1903).
Fortnight Club, Grant Township, Reno County (1903).
Progressive Society, Rosalia, Butler County (1903).
Pleasant Hour Club, Wakarusa Township, Douglas County.
The Lady Farmers' Institute, Marysville, Marshall County (1902).
The Woman's Progressive Club, Anthony, Harper County.

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

What the Woman's Club Can Do in the Country.

MISS ABBA ZIMMERS, BEFORE THE BROWN COUNTY FARMERS' INSTITUTE.

What the club can do in the country has just recently come to notice. Clubs are a success in the city, why not in the country? Club work that is a success in the city may or may not be a success in the country, and visa versa. I am a representative of the International Sunshine Society and the Sunshine Society is classed as a club. The International Sunshine Society was, in February, 1900, duly incorporated under the laws of the State of New York, and we are happy to announce that, through the courtesy of Mr. Edward Bok, editor of "The Ladies' Home Journal," a page of this valuable magazine is devoted each month exclusively to "Sunshine work."

This is edited by the president general of the International Sunshine Society, Mrs. Cynthia Westover Alden, who was the originator of the society.

To the question so often asked, "How did the Sunshine Society originate?" "What has it accomplished?" "How do you do the work?" the following answers are made:

During the holidays several years ago, the president general was the recipient of a number of cards from coworkers on the New York "Recorder," as well as outside friends. One Christmas day she protested, and said that while she enjoyed her gifts, she would have had infinitely more pleasure in them if the donors had not written their names on them. This statement horrified her audience, who with one accord exclaimed: "What! You would not give your presents away, would you?"

"Why not?" was the answer. "What do you do with yours?"

A laughing investigation soon developed the fact that the waste-basket was the ultimate destination of most of the cards received. Some spent a few months tacked on the wall, until fly-specked and discolored; others were used as bookmarks until lop-eared; then all were thrown away without having given an additional ray of sunshine to any one beyond the immediate recipient.

"Suppose you take the history of one pretty ten-cent card that came to me a year ago," said the president general. "It had an exquisite little poem on it, and I enjoyed it so much that I thought at once of an old uncle who would appreciate it, and forwarded it to him. He, as I thought he would, did enjoy it, and so much that he immediately recalled another old friend to whom it would appeal with special force. So he copied the poem and sent the card on. This recipient found the sentiment so sweet that he, too, felt called upon to pass it on, and before the seven-days' holiday was over the card had carried its Christmas message to six different people. Of course, this is an exception, but still it is an example of the infinite possibilities of a gift if accepted in the true spirit and then passed on, giving each one the double delight of receiving and giving.

The cards which had afforded the text for the little sermon were then spread out and their possibilities discussed. Here was a dainty one with a great cluster of royal-purple pansies. Mrs. So-and-so loves pansies, and it might have been sent on to her if it had not been marked all over. Again, a group of cunning little pussies that would have been just the thing for a little invalid child who needed amusing, but that, too, was carefully marked with the name of the sender, and thus spoiled for passing on. Inspired with this idea of sending out remembrances that might be multiplied fourfold, a new set of cards was given by the staff to the president general, who immediately sent them all out again. The thanks received for these cards were so pretty that an item was made of it in the paper. This caused further correspondence, and resulted in a club for the exchange of friendly greetings.

The name, "Chat," was at first chosen for the column, but in time the membership grew so large that a club-badge and the motto, "Good Cheer," were selected, and the name, "Shut In," given to the society.

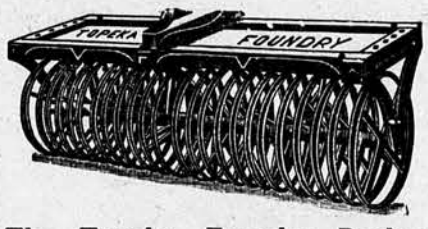
On January 15, 1896, the name of the society was changed to the Sunshine Society. The object is to incite its members to a performance of kind and helpful deeds, and thus bring the sunshine of happiness into the greatest possible number of hearts and homes. Its active membership consists of people who are desirous of brightening life by some thought, word, or deed, and any one is elegible who is in sympathy with the work.

The club-colors are yellow and white. Yellow is typical of the golden sunshine and white is emblematic of purity of purpose that characterizes the sunshine work. Persons who have an article not used or needed let it be known at headquarters and there are always those less fortunte than one's self to whom this may be a godsend.

It takes a good dealer to sell right lamp-chimneys when wrong ones pay so much better.
MACBETH.

The Index tells you, in ten minutes, all you need to know for comfort with lamps and the saving of chimney-money; sent free; do you want it?
MACBETH, Pittsburgh.

MAKE RAIN
When You Need It.
Pack your ground. Save the moisture. By getting an early start and a full stand your crop of corn is assured.



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Will Do It
Write for prices and testimonials.
TOPEKA FOUNDRY CO.
TOPEKA, KANSAS.

NOW DEPOSITED IN THE BANK
$75,000.00
IN CASH GIVEN AWAY.
To arouse interest in, and to advertise the GREAT ST. LOUIS WORLD'S FAIR, this enormous sum will be distributed. Full information will be sent you ABSOLUTELY FREE. Just send your name and address on a postal card and we will send you full particulars.
World's Fair Contest Co.,
108 N. 8th Street
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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 35 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.,
113 Adams St., Chicago, Ill.

Some societies own a wheel-chair and loan it to invalids who are unable to purchase one Oftentimes the chairs are donated and come long distances. Many invalids have to stay in the positions in which they are put by their friends, except for these wheel-chairs.

What can or has the Sunshine Branch in Brown County done?

First of all, we help one another. We meet every two weeks and assist our host with any kind of work she may give us. It may be common sewing, quilting, knotting comforts, sewing carpet-rags, piecing quilts, or mending. We, as a general thing, only spend about two hours and a half at our meetings, but occasionally have an all-day session. We charge our members nothing. Some say, "Where do you get your money, you must have some support?" Each branch is levied $1 a year, and this may be gotten by way of entertainments. More may be given and donations are always acceptible. One Opera in New York City gave one day's proceeds to Sunshine headquarters, which was $500. This was done through the Misses Cecil and Edna Spooner. These entertainments serve to liven a neighborhood.

Talmadge said: "People talk too much about their cross, and not enough about their crown."

Do you know the Bible mentions a cross but twenty-seven times, while it mentions a crown eighty times?

How and where be sunshine? How? By having a heart full of positive love for others. Where? In the place where the social weather is the coldest. Somebody says, "O! We can not have anything like that in our neighborhood." If there are ten persons who want to do and be good you can.

One of the pretty customs is to write friendly greetings to the sad and lonely. Invalids send in their names and addresses and letters are written to them on their birthdays. Some receive nearly one hundred letters in a single day.

Oftentimes these are invalids who can not leave their homes to see the beautiful world outside. Hospitals, homes, mining camps and mission stations ask for reading matter which it is said "is read until it is worn out." Papers and magazines may be sent to those who care for them, and thus make many happy hours for some one.

We can not realize how much these small acts amount to until we are deprived of life's great treasure, health.

Why lose golden opportunities lying all about our door? It is the little drops of water and little grains of sand that make the mighty ocean and the pleasant land. Our State is surrounded by sunshine. Our sister State, Missouri, sends just a word for sunshine. Please do not tell us it is "a fad" and will soon "die out." We believe it will be good for chidren, the parents, the young and old.

"Sunshine" is what Jesus spoke of when He said, "A new commandment I give you, that ye love one another."

Colorado says, "The sun shines bright in Colorado. Many school boys and girls are interested in sunshine and find time to help in sending out clothing, reading, fruit and anything most needed."

To tell all the kind deeds done by Sunshiners of Nebraska would be a difficult task. Oklahoma is in advance of Kansas so far as to have a State or rather Territorial president, Kansas only having an organizer. The Sunshine Club is organized in nearly every State in the United States; also in the following countries: Canada, South America, England, China, India, Africa, Philippine Islands, Japan, Germany and New Zealand.

Last year, Mrs. Noble Prentis told us about physical culture along with the many other good suggestions she gave. Now very few people in the country see the need of physical culture. The men say they work hard and that is all the exercise they need and think the same of woman. One year ago, only one woman who has passed a perfect physical measurement had ever attended the State University at Lawrence, Kans. Does this not mean that there is room for development? And that surely is needed to make the world happier.

Some have the idea that Sunshine work is only for women. Now men prove valuable assistants, and we can not work without them. In the cities ministers of the gospel preach special sermons for the club, directors in music assist with concerts, and men of England who are interested in the work, send means to help supply cots for the children's homes. Of course, we may not be able to do all this in the country; we must be satisfied to lend small aid in this direction. Interest is taken in the newsboys, jails and asylums visited, and influence for industrial schools for boys is given.

Clubs are no more looked upon as they were in the past, as consisting of abused wives and homely old maids, but in them our very best and brightest people are taking up practical and useful work. When such people as President and Mrs. Roosevelt, Mrs. McKinley, Mrs. Noble Prentis, Mrs. John Lewis Childs, Mrs. Chas. Kingsley, and Mrs. Margaret Sangster take up the work in earnest it is not unimportant.

Queen Alexandria is a Sunshiner, and it is said that the late Queen Victoria always kept her Sunshine badge on a cushion on her dresser, where she could see it.

The club entertainments, I am rather reluctant to say, are taking the place of the singing-schools, spelling-matches and literary societies. Yet, we still have some literary societies, but they are not general. There are embroidery clubs in this country which are doing excellent work both as socials and in needle-craft. The Swallow Club consists of a goodly number of young people whose purpose is sociability. The Sunshine Society is social; it also tries to relieve the lonely, comfort the sad and sick, and care for the old and infirm. Persons in good stations in life often are lonely or sad and need a kind word as much as one in a poor station in life, and appreciate it as well.

The Trying Time

In a young girl's life is reached when Nature leads her uncertain steps across the line which divides girlhood from womanhood. Ignorance and neglect at this critical period are largely responsible for much of the after misery of womanhood. Not only does Nature often need help in the regular establishment of the womanly function, but there is almost always need of some safe, strengthening tonic, to overcome the languor, nervousness and weakness, commonly experienced at this time.

If there is an invalid woman, suffering from female weakness, prolapsus, or falling of womb, or from leucorrhea who has used Dr. Pierce's Favorite Prescription without complete success, Dr. Pierce would like to hear from such person—and it will be to her advantage to write as he offers in perfect good faith, a reward of $500 for any case of the above maladies which he cannot cure.

"I wish to tell you the benefit we have received from using your remedies," writes Mrs. Dan Hall, of Brodhead, Green Co., Wis. "Two years ago my daughter's health began to fail. Everything that could be thought of was done to help her but it was of no use. When she began to complain she was quite stout; weighed 170, the picture of good health, until about the age of fourteen, then in six months she was so run down her weight was but 120. She kept failing and I gave up, thinking there was no use, she must die. Friends all said, 'You will lose your daughter.' I said I fear I shall. I must say, doctor, that only for your 'Favorite Prescription' my daughter would have been in her grave to-day. When she had taken one-half bottle the natural function was established and we bought another one, making only two bottles in all, and she completely recovered. Since then she is as well as can be."

Doctor Pierce's Common Sense Medical Adviser, in paper covers, is sent *free* on receipt of 21 one-cent stamps to pay expense of mailing *only*. Address Dr. R. V. Pierce, Buffalo, N. Y.

Oil Cure for Cancer.

Dr. D. M. Bye Co., the eminent Cancer Specialists, have cured hundreds of cases with their wonderful Combination of Oils, originated and perfected by them. It is no experiment, but the result of twenty-five years' experience. Now in successful use ten years. Convincing evidence set forth in their new book, which can be had for the asking. Address Dr. D. M. Bye Co., Drawer 505, Indianapolis, Ind. (This is the home office.)

Thousands of Families

always keep a box of BEECHAM'S PILLS in the house, so that, on the first sign of anything wrong, a timely dose may be administered, and further trouble and suffering averted. BEECHAM'S PILLS are indispensable as a family medicine. In fact they are universally regarded as the "Little Doctor" in the home. And then, again,

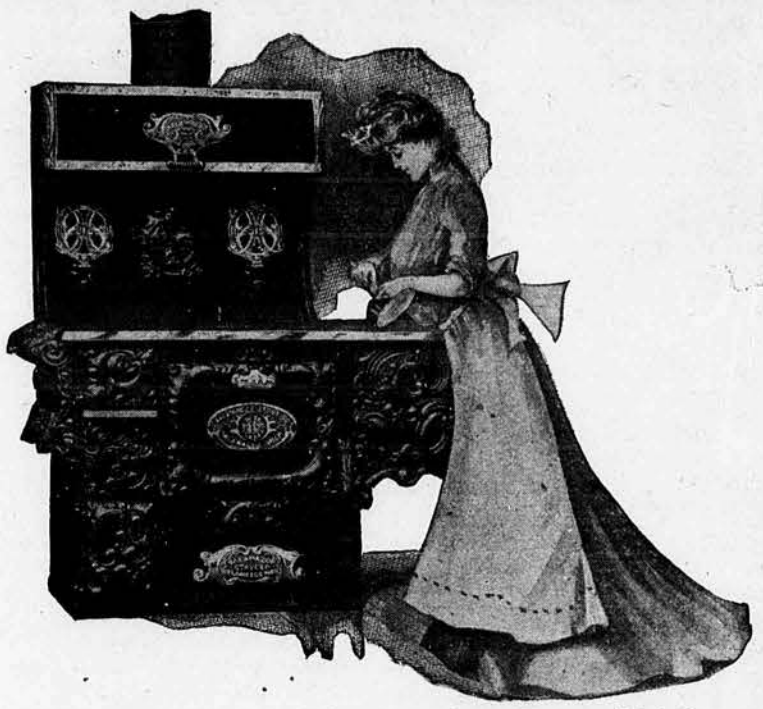
BEECHAM'S PILLS

do not require the publication of Testimonials to maintain their tremendous demand. Why? Because those who once try BEECHAM'S PILLS are naturally impelled to inform others of the benefits derived therefrom, and in this way the confidence and esteem of the public have been lastingly secured.

A wonderful medicine for Indigestion, Want of Appetite, Fullness after Meals, Vomitings, Sickness of the Stomach, Bilious or Liver Complaints, Sick Headache, Cold Chills, Flushings of Heat, Lowness of Spirits, and All Nervous Affections.

To cure these complaints we must remove the cause. The principal cause is generally to be found in the **stomach and liver;** *put these two organs right and all will be well.* From two to four Pills twice a day for a short time will remove the evil, and restore the sufferer to sound and lasting health.

Sold by Druggists at 10c. and 25c. Or mailed by B. F. ALLEN CO., 365 Canal St., New York City, if your druggist does not keep them

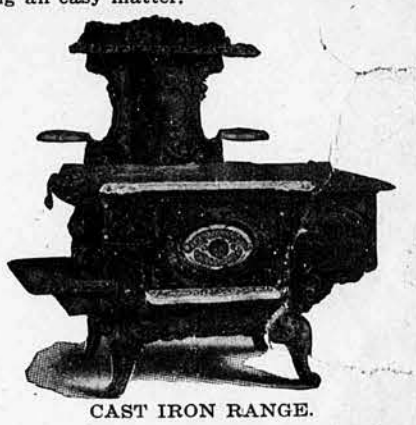


We desire to call the special attention of our readers to the proposition made them by the Kalamazoo Stove Company. This firm owns and operates, in Kalamazoo, Mich., the largest stove factory in the world, selling its entire product direct from the factory to the user. They have no agents or no dealers; consequently they save the expense of traveling men and all agents' profits. Accordingly they are in a position to sell their stoves and ranges direct from the factory to the user at from 25 to 40 per cent below the price asked by local dealers. And they make good stoves and ranges—as good as the best material, most skilled workmen, and most modern equipment and facilities can produce.

To show their confidence in their goods they will send a stove or range on thirty days' trial, and then still leave it with the purchaser on approval for three hundred and sixty days. If the stove proves unsatisfactory in any way within that time, it may be returned to the factory and every cent the purchaser paid for it is refunded, the manufacturer paying freight-charges both ways.

All Kalamazoos are shipped from the factory blacked and polished ready for setting up and any man can put them together. The line embraces both steel and cast iron ranges and cook-stoves for fuel of any kind, and also a complete assortment of heating-stoves.

Another feature which has proved very attractive and popular on the Kalmazoo ranges and cook-stoves is their patent oven thermometer—a dial in the oven door which shows at all times the temperature of the oven and renders baking and roasting an easy matter.



CAST IRON RANGE.

The Company has just issued a handsome new catalogue, containing full particulars of their three hundred and sixty day approval offer and full descriptions of the stoves. Send for it, mentioning this paper. Address the Kalamazoo Stove Company, Manufacturers, Kalamazoo, Mich.

BUTCHERING AT HOME.

(Continued from page 321.)

ing the work on a large scale with perfect and complete appliances and organization is also in favor of the packer.

It is no wonder, therefore, that the packer was able to make prices for animals on foot and for the meat after slaughter that rendered it desirable for the farmer to sell his animals alive and buy his meat in the market, as many have done during recent years.

The question is now presented whether the advantage of the situation taken by the packer to widen his margins produces a situation which will make it profitable for the butchers in the smaller towns and the farmers to resume killing according to the customs of half a century ago. This is a question that can better be answered by those who have experience in such matters than by the younger generation. The Kansas Farmer will be pleased to have this question discussed in its columns by its older readers. Facts and figures will be valuable in solving the problem.

THE PURE-BRED CATTLE BUSINESS.

Although the pure-bred cattle business has been more or less depressed of late, there are abundant reasons for believing that the bottom prices have been reached and that improvement may be expected from this time on. This depression in prices has been brought about by a combination of circumstances such as has not been experienced heretofore in this country. While a large share of the blame for this condition rightly belongs to parties and conditions outside the breeding business, a portion of the blame must rest with the breeders themselves. Instead of being satisfied with good prices for their produce, many of them have attempted to boom prices and have succeeded to such an extent that they have brought the business into discredit and have helped to cause the slump in prices from which all have suffered alike. Whatever may have been the causes, however, the results are that pure-bred cattle of the finest breeding and best individuality may now be bought at a price which is remarkably low as compared with prices paid for them within recent years. The old breeder who needs new blood for his herd as well as the young breeder who is just starting will find this a golden opportunity which he ought not to neglect. Some farmers, and even breeders, seem to hesitate about buying pure-bred stock in the fear that the prices may yet go lower. We believe this is a mistake. The conditions all point to better prices for pure-bred stock within a short time, while even the present prices make of the breeding of such stock a fairly profitable business if properly handled. Certain recent public sales indicate a decided upward tendency and breeders report that the demand for their stock within the past few weeks has been much better than for the previous year.

There are ups and downs in all kinds of business enterprises but the pure-bred cattle business is at once the safest, surest, and most profitable business that can be engaged in by the farmer who gives it competent attention and who has land enough to enable him to handle a good herd. In the language of Col. F. M. Woods, "It is just as safe as banking and will last as long as men eat beefsteak." An opportunity such as now exists to start a new herd will not likely be again found in years. It costs no more to raise a pure-bred animal than it does a scrub and he is immensely more profitable. Even if sold for beef, he will weigh heavier and bring more cash at the same age than will any scrub, while the opportunities for selling for breeding stock are always increasing. We have personal acquaintance with four men who are now searching for a certain class of breeding cattle and who have thus far been unable to find them in sufficient numbers within the borders of the State of Kansas to satisfy their demands. These remarks are suggested by the announcement of Scott & March, Belton, Mo., of a public sale of the best lot of Hereford cattle that has ever been offered by this well-known breeding firm. This offering is remarkable in that it will contain at least fifty 2-year-old heifers that are bred or have calves at foot. It is remarkable also in that eighty head out of the one hundred and twenty-five offered are either sons or daughters or grandsons or granddaughters of their famous herd-bull, Hessiod 29th 66304. While this offering is only one of many, it will be a good one and will afford the finest opportunity that has existed for months for breeders and farmers to purchase animals with royal pedigrees and that are individually in the pink of condition. The large heifer offering is especially attractive and we hope that farmers and breeders of Kansas and the West will attend this sale and learn the lessons that are taught by the results of long years of successful breeding.

THE HOG INDUSTRY.

The Kansas Farmer is in receipt of a handsomely bound copy of Bulletin No. 47, Bureau of Animal Industry, U. S. Department of Agriculture. The bulletin is entitled "The Hog Industry," and is prepared by Geo. M. Rommel, B. S. A. Expert in animal husbandry for the Department. It treats of the selection, feeding, and management of the hog, the results of American experimental work in pork-production and statistics of production and trade. Included in the first section is given a comprehensive statement of the requirements of the score card of five different breeds of hogs of the lard type, together with objectionable features that may appear in individuals. Under "Selection of Breeding Stock" the author says that the question of breed is a complicated one and will so continue as long as men eat meat. Each breed has its merits, and family attachments, personal preferences, and the influence of environment will never fail to create strong and healthy partisanship for each breed of established reputation. However, in actual practice the man who feeds for the market recognizes, not breed, but type. His selections may be made promiscuously from among available material but all are required to conform to a certain standard which, when fattened, is the hog demanded by the market. Any animal to be profitable to its owner must conform to the requirements of the market.

The chapter on the selection of sows for the foundation herd is well worth the work required in producing the whole volume, while the chapter on selection of boar is of equal importance and should be read in connection with it.

The chapter on feed and management, accompanied as it is by the expressed opinion of prominent breeders from all parts of the Union, ought to be in the hands of every farmer in the country. Altogether we regard this as one of the most valuable books that has been issued from the Government printing office in recent years. We think the swine-breeders of Kansas may be able to secure copies of this bulletin by writing to Dr. D. E. Salmon, Chief of the Bureau of Animal Industry, Department of Agriculture, Washington, D. C., and it may be furnished by the various Congressmen.

WINNING AT THE AMERICAN ROYAL.

The American Royal Live-stock Show was started as an exhibition of Hereford cattle. It proved so successful from the start that other breeds sought and obtained admission with the result that it is now recognized as one of the greatest shows of breeding stock in the world. While it has been exceeded in numbers by other shows it has never been exceeded in quality by any. Each year there are assembled in this great show the results of the efforts of the most expert breeders working on the finest type of breeding stock. This is especially true of of the cattle-rings which are exceeded nowhere on earth in the quality of the animals exhibited. When a breeder has succeeded in winning a prize at this great show he has the knowledge that his work has been well done and the satisfaction of knowing that his animals are good enough to go in any herd.

The breeder of prize-winning animals is an artist in the best sense, and his work should take rank with that of the best painters, sculptors, architects or musicians; indeed, it should take a higher rank than that of many who are recognized as artists because of the direct benefit he has been to the race in supplying its immediate needs with the best.

What wonder, then, that the prizes offered at the American Royal are so eagerly sought by breeders both great and small, although their money-value would hardly be an inducement. Nor is it strange that it is the height of ambition of young breeders to win such a prize. When once secured, an American Royal ribbon confers lasting fame, not only upon the animal which won it, but upon the man who bred it and the man who owns it.

The get or produce of such an animal is eagerly sought by those who would improve the quality of their herds and by the enterprising young breeder who desires to begin right in his life work.

When any one breeder is so fortunate as to possess a number of these prize-winners in his herd, his fame, and consequently his success, is assured. We have in mind a breeder who was practically unknown to the breeding world three years ago, but who now has a herd of very fine Hereford cattle headed by three American Royal prize-winning bulls.

This herd belongs to Mr. Robt. H. Hazlett, owner of Hazford Place, Eldorado, Kans. His old herd bull, Protocol 2d 91715, stood the youngest and the heaviest bull in his class, and won a prize in the American Royal of 1902, which was the first time he had appeared in the show-ring and the first time his owner had ever made an exhibition of Hereford cattle. He has not been shown since and his calves are of such quality that his owner would not part with him for any price. The next herd bull is Dale Duplicate 2d 134400, who won a prize as a yearling in 1902, and as a 2-year-old in 1903. His later winning being higher than his first. He is a bull of great substance and quality, and his calves show that the long price paid for him by his present owner was a good investment. The next bull is Monarch 142149, who won in the Junior Yearling class in the Royal of 1903. These winnings mark these bulls as fit for any company on earth, and with a herd of about one hundred females of like quality, Mr. Hazlett has a combination that easily gives him a place among the foremost breeders of the West. The getting together of this great herd and the establishing of the reputation which belongs to it has been the work of only a few years, and should Mr. Hazlett desire to sever all other business connections, he has in his herd the material for a life's work and the foundation for added wealth.

RANGE CATTLE AT THE WORLD'S FAIR.

It is now officially announced that the Louisiana Purchase Exposition will hold a range-cattle show following the regular series of Exposition live-stock shows at St. Louis this fall. It has been decided to hold a show of pure-bred breeding cattle from south of the quarantine line about November 15, simultaneously with a car-load lot exhibition of steers and heifers from all sections, with $19,000 to be offered as prizes. This amount will be divided equally between the car-load lot, or range cattle, and the pure breds from below the quarantine line. The Shorthorn, Hereford and Aberdeen-Angus breeds will be represented in the latter show. At a conference of a special committee of the range cattle interests with the World's Fair management the following resolution was unanimously adopted: "Resolved, That the management of the affairs of the live stock department of the Universal Exposition by Hon. F. D. Coburn, the chief of the department, has been consistent, courageous, safe and wise, and the same is hereby endorsed and commended, and that he be requested to arrange the classification and prize list for the exhibits of Southern breeding cattle, and the show of car-load cattle, and to have the entire charge of their management."

THE AMERICAN HEREFORD BREEDERS' ASSOCIATION.

At the meeting of the board of directors of the American Hereford Breeders' Association held in Kansas City last week an appropriation of $25,000 for prizes was made, to be distributed as follows:

Four thousand dollars for the American Royal at Kansas City and the International at Chicago. Five thousand dollars for the St. Louis Exposition; $2,000 for the Hamline, Minn., Exhibition, and the balance to be divided among various State fairs. Considerable time was devoted to the classification of stock for the different shows and the arrangement of details for the formal transfer of headquarters from Chicago to Kansas City. A new set of by-laws was adopted and officers were elected as follows: President, Dr. James E. Logan, Kansas City; vice president, Wm. George, Aurora, Ill.; secretary, C. R. Thomas, Kansas City; treasurer, Walter B. Waddell, Lexington, Mo.; executive committee, C. A. Stannard, Emporia, Kans.; C. H. Comstock, Albany, Mo.; and R. C. Rhome, Ft. Worth, Texas.

Is the Future of the Brown County Farmer as Promising as Was the Past?

(Continued from page 325.)

means that there will be plenty of work for two sons on the same acres that the father used to crop alone.

And the net profits to each will be such that the 40 acres smooth enough and rich enough for corn will soon be priced at $4,000 or over. It is supposed that if a man has a farm large enough to keep him busy and can step to the wall and talk to most any one in the country, and have his mail delivered each day, and have his family taken to town and church, and the children to central and high school, and his produce taken to market and all at a cost that he could bear, he should be the happiest man alive, and his family would stick to the farm.

Short-course Students' Visit to the Wolff Packing Plant at Topeka.

Short-course and winter schools have become a popular feature in most of the agricultural colleges of the Central West, and in connection with most of these short courses it has become a custom to have a beef-slaughtering demonstration. In 1901, at the Kansas State Agricultural College, different breeds of cattle were slaughtered and a demonstration was made with the beef produced by the various types. In 1902, the different market types of cattle were slaughtered and like demonstration made with the beef produced by each. This year, owing to the great interest, a more elaborate and thorough demonstration was called for, and it was decided to visit the Wolff Packing Plant at Topeka.

Special rates were secured over the Union Pacific railroad, and on the morning of March 14, 150 short-course students, who were especially interested in the production of beef and pork, left for Topeka. On arriving at Topeka, they went directly to the packing-house, where beeves of the various types were selected and judged by students on foot. The same method was followed with the hogs; one 500-pound hog, excessively fat; one 200-pound hog, representing the bacon type, and three common hogs were selected. After the judging was completed, these animals were carefully weighed and slaughtered. The students were taken to the killing department, where they saw these animals slaughtered, and from there they were taken through the entire plant by Manager Sabin and Superintendent Nicholson.

During the afternoon the students were taken through the Continental Creamery Plant and the Nissley Pure-milk Plant, which is one of the best

equipped plants of its kind between Chicago and San Francisco. They were also taken through the Seymour Chicken-packing Plant, which is one of the largest strictly chicken-packing plants in the West.

On Tuesday morning the students were taken back to the packing-house and Dr. DeWolf, Government inspector, gave them a very interesting and instructive talk on the inspection of meats and the diseases which they have to contend with. Slides and microscopes were provided for the students to show trichina and the various germs that cause tuberculosis, anthrax and like diseases. When this was completed they were taken to the cutting-room, where the animals that they had judged the previous morning were cut. Here Manager Sabin directed the cutting and gave a very instructive talk on the cutting of both beef and pork, showing the students the parts where the different cuts are taken and giving them an idea of the relative value of each, and telling them the percentage that each animal dresses, and just what use would be made of the different cuts. From there, they were taken through the refrigerating rooms and ice-plant, where Chief Engineer McNutt explained the process and means by which artificial ice is produced. The fertilizer, dried blood-meal and tankage departments, were also visited and it was explained to the boys how these products are manufactured.

The afternoon was spent attending the light-horse sale at the State Fair Grounds. The boys received far greater benefit and more instruction from the trip than it would have been possible to have given them in a beef demonstration at the college. Here, thousands of pounds of beef and pork were brought before the boys and made into various cuts, showing the quality of meat from animals of various types. This was largely due to the kindness and courtesy of the packers. Manager Sabin and his assistants, together with Dr. DeWolf, spared neither time nor trouble in showing all departments of their work and explaining every step fully.

The Wolff Packing Plant is comparatively new and is very modern and up to date in all of its departments. Mr. Wolff started in the packing business on a small scale some twenty years ago, and now has a plant with a capacity for handling 1,500 hogs and 300 cattle daily. Everything about the plant is kept as clean and neat as possible, and Kansas can well be proud that she has such a plant within her borders.

Where to Buy a Subsurface Packer.

EDITOR KANSAS FARMER:—Would you please tell me through the columns of the KANSAS FARMER where I can buy the Campbell Subsurface Packer? I see that it is mentioned frequently by your correspondents. J. F. C.

Cullison, Kans.

An improved form of the Campbell Subsurface Packer is manufactured by the Topeka Foundry Company, Topeka, Kans., from whom illustrations and detailed information may be obtained.

BLOCKS OF TWO.

The regular subscription price for the KANSAS FARMER is one dollar a year. That it is worth the money is attested by the fact that thousands have for many years been paying the price and found it profitable. But the publishers have determined to make it possible to secure the paper at half price. While the subscription price will remain at one dollar a year, every old subscriber is authorized to send his own renewal for one year and one new subscription for one year with one dollar to pay for both. In like manner two new subscribers will be entered, both for one year, for one dollar. Address, Kansas Farmer Company, Topeka, Kans.

Special to Our Old Subscribers Only.

Any of our old subscribers who will send us two NEW SUBSCRIPTIONS at the introductory rate of fifty cents each, during March, 1904, will receive for their trouble one copy of the KANSAS FARMER'S New Wall Atlas, descriptions of which have appeared in these columns from time to time; or we will send any one of the following publications as the old subscribers may choose, viz., "Woman's Magazine," "Western Swine Breeder," "Vicks' Family Magazine," "Blooded Stock" "Poultry Gazette," "Dairy and Creamery," or "Wool Markets and Sheep."

A great discussion is in progress on the question of the identity of the Black Den Davis apple with the Gano. The Missouri State Horticultural Society referred the matter to a committee which reported that they found no difference. The Stark Bros.' Nurseries and Orchards Co. claims that this report is entirely wrong and presents a great array of opinions to the effect that the Black Ben Davis is a distinct variety. Among these is an elaborate presentation of the case by Prof. Edward J. Wickson, of the University of California. Those interested will do well to write to Stark Bros., Louisiana, Mo., for literature on the subject.

Publisher's Paragraphs.

On the first page this week's paper is shown a reproduction of a picture of the first premium yellow corn shown at the Farmers' Iinstitute Corn Show, held at Hiawatha, and will be a part of the Kansas display at the World's Fair this year. This variety of corn is advertised by John D. Ziller, Hiawatha, Kans.

Perhaps the oldest and certainly one of the most extensive seed-houses in the West is the Kansas Seed-house, owned by F. Barteldes & Co., Lawrence, Kans., Denver, Colo., and Oklahoma City, O T. The manitude of their present business has been attained by square dealing and promptness in filling orders, together with the reasonable prices at which they sell their goods. The writer has patronized this firm for twelve or fifteen years, and has never had a complaint to offer. The seeds, bulbs, plants and trees bought of the Kansas Seed-house always grow, and if any error creeps into the filling of an order, they are always willing to rectify it. The Kansas Seed-house is a Kansas institution for Kansas people and its past record has been such that it has earned the right to use the name Kansas than which there can be no higher compliment.

The Galbraith Nurseries of Fairbury, Neb., whose advertisement has been running in our columns, is a reliable, satisfactory place to buy all kinds of trees. We have reason to know that they have an especially fine stock ready for digging and immediate delivery. There can be no more healthy stock than that grown at Fairbury. Equally important is vigor of growth and hardiness. This is something that parties about to plant should not overlook. Strong rooting, vigor of growth and hardiness is well-known to be a Galbraith characteristic. It pays to get these qualities even at advanced prices. But the Galbraith prices are most reasonable as will be seen by consulting the advertisement. They make a specialty of grapes and all kinds of fruit- and shade-trees. If you are going to plant this spring, make sure of getting the Galbraith catalogue before making up the order.

A Champion.

All the world loves a Champion. It is natural to admire the brave, the strong and the successful, whether it be in the field of war, of sports, of art, or of literature.

Our readers will at once agree that the Champion line of Harvesters have been well named. They are Champions in every sense of the word. They have never been conquered in any field and are continually gaining in popularity.

The Champion Binders, Mowers, Reapers, Rakes, and other harvesting machines are as perfect as time and money can make them. There is a satisfaction in using Champion machines that can not be measured in dollars and cents. It is the satisfaction caused by perfect confidence in knowing that your machinery can be depended upon.

Stowell Hay Tool Word Contest.

This contest closed March 1, and since that time a committee has been at work upon the thousands of replies.

The result will soon be known and the names of the prize-winners given in a circular to each contestant.

The Stowell Mfg. & Foundry Co. are still receiving letters daily inquiring for information concerning this contest and they ask that the above notice be given so the contestants may patiently wait for the result and not write unnecessary letters.

Homeseekers' Rates from Kansas City to North and South Dakota.

Every Tuesday until October 25, the Chicago Great Western Railway will sell round trip tickets to points in the above named States at a great reduction from the usual fare. For further information apply to G. W. Lincoln, Traveling Passenger Agent, 7 West Ninth St., Kansas City, Mo.

The World's Fair.

In making your arrangements for the World's Fair at St. Louis, this summer, if you consider convenience and saving of time, you will take the Wabash railroad, as it runs by and stops at its station at the entrance of the fair grounds, thus saving several miles run and return, and the inevitable jam at the big Uunion Station. By all means consider the advantages of the Wabash.

FARM PROGRESS

How We Now Feed Land Which Then Abundantly Feeds Us.

THE modern farmer treats his soil well and has caught the true spirit of progress. He has a scheme of management. He practices rigid rotation of crops. He knows his fields, what piece is best capable of producing and how long it will be safe to leave a certain crop on a certain piece of ground. He knows, for instance, that clover is a great renovator, a great restorer of fertility, hence the need for bringing it around at the proper time in the system of rotation. Sometimes he does not know why this is, but the average merican farmer is the most intelligent agriculturist in the world to-day. He is studying his business. When he finds his fields lack in plant food, notwithstanding his rotation of crops, he treats them with chemicals or manure. The plants themselves know what is best for them. The farmer is studying his plants, learning that the physics of the soil play an important part in the success or failure of his work. The farmer is the one who is making it practicable for this country to put into the market more than six hundred million bushels of wheat, and it is this and the two billion and a half bushels of corn and our growing cotton crops that makes America the leading country in the world. It rests with the farmer as a reasoning, thinking being, to profit by what science is doing for him. Just as we feed land which then feeds us, people should study the science of their own bodies. We feed the stomach and the stomach feeds the blood. If the stomach is not in the proper condition to take from the food such mineral elements as make up good red blood, then we are not managing ourselves as well as we manage our fields. Do not think because you have indigestion, sour risings, dyspepsia, that you should eat soft foods which will lay like a plaster in the stomach. No, you should get the stomach into a healthy working condition by taking plenty of outdoor exercise and give it a tonic which will strengthen the stomach so that it will properly take up the elements in the food and feed the blood. If rich red blood runs through the channels in our body, the arteries and capillaries, and the circulation is vigorous, we are as nearly germ-proof as possible. We do not catch cold, nor have pneumonia, or catarrh, we do not take the grippe nor typhoid, nor any of the germ diseases, because our blood is strong and vigorous enough to throw off these germs. It is like the clear, pure stream which comes rushing down the mountain side and brushes away all floating debris—so does the blood overcome and cast off the germs which we gather.

The above facts come from no less an authority than Dr. R. V. Pierce, medical director of the Invalids' Hotel and Surgical Institute, at Buffalo, N. Y. In his early practice he was a close student of the facts as given above. Having a large practice in a farming district, he studied nature's ways and the human system. He hit upon some roots and herbs, made into an alterative extract, without the use of alcohol, which put the stomach into a vigorous and healthful condition and thereby fed the blood, making it rich and red and capable of throwing off disease. That is why his "Golden Medica l Discovery" gained such a wide reputation nearly forty years ago and has stood the test of public approval ever since. Without doubt more million bottles of Dr. Pierce's Golden Medical Discovery have been sold in the United States than any other stomach and blood remedy. It cures catarrh in all its forms, by getting at the source of the trouble which is the blood. Start the blood to circulating properly, and you cure catarrh of the nose, or lungs, for catarrh is nothing more than a stagnation of the blood.

If you are in doubt about your ailment or want good medical advice, why not consult Dr. R. V. Pierce, Buffalo, N. Y., by letter, giving all your symptoms, and he will tell you just what to do and will not charge you for the advice—which is free.

There are some people who can lose fat to advantage, but the loss of flesh is one of the accepted evidences of failing health. As flesh-making processes begin in the stomach, so naturally when there is loss of flesh we look first to the stomach for the cause. And the cause is generally found to be disease of the stomach and digestive and nutritive tracts, resulting in loss of nutrition and consequent physical weakness.

Dr. Pierce's Golden Medical Discovery restores the lost flesh by curing diseases of the stomach and other organs of digestion and nutrition and enabling the perfect digestion and assimilation of food from which flesh and strength are made.

"For seven years I suffered with a complication of diseases, including heart trouble, dyspepsia, catarrh of the stomach, and female weakness," writes Mrs. Harrette Martin, of Pedlo, Boone Co., Ark. "During that time I was never without pain. Had smothering spells and a great misery in lower bowels and a very severe cough. Finally the doctors said I had consumption in the last stages and that I was bound to die. My husband then bought me a bottle of Dr. Pierce's Golden Medical Discovery. I could tell my cough was better after the first dose. I continued his medicine until I had taken six bottles of his 'Golden Medical Discovery' and 'Favorite Prescription.' Now I do my own work for a family of four."

NATURE'S BOOK.

Those desiring to know something about the body in health and disease, also medicine and surgery, without technicalities, should read the "Common Sense Medical Adviser," by R. V. Pierce, M. D., which can be had by addressing Dr. R. V. Pierce, Buffalo, N. Y., for 31 cents in stamps for the cloth-bound, or 21 stamps for the paper-covered book.

In the Dairy.

Feeding Cows for Milk.

Feeding for milk is a comparatively simple matter, and yet an unsolved problem for the great mass of farmers. It seems a hard task to get the latter over the notion that corn is the food "par excellence." Corn is good in its place, and good for many purposes. It will make an animal fat, and keep it warm in excessively cold days; but it will not make milk, and will not bring fat into the milk, at least as a rule. Corn is an excellent thing in one sense and a great blessing; but it is also a great curse when depended on as a general food, and the cause of untold sickness, suffering and death to thousands of cattle and horses. I do not believe I state this too strongly, either. Professor Smith, at our club meeting in Niagara Falls, called timothy and hay a wrong combination—one with which you can "fill up an animal without feeding it." A cow that gives thirty pounds of milk a day needs one pound of albumen (protein, the blood- and muscle-forming element) to put into the milk, besides what she needs for her own growth and sustenance. She can't get this amount of albumen out of all the corn and timothy that she can hold. She can't eat and digest enough of such food to get her needs in albumen. Corn has about the least proportion of albumen (protein) of any of our common food materials. Oats has considerably more, wheat bran still more. Next higher in that scale stands gluten feed, then brewers' grains, then malt sprouts, then distillers' grains, then linseed-meal, and finally cottonseed-meal. Alfalfa has about 15 per cent of protein—even more than red clover, which has a little over 12 per cent—and is nearly a balanced ration and a perfect food. A ton of wheat-bran contains about $11.50 worth of protein, a ton of oil-meal, $19.80 worth, and a ton of cottonseed-meal, $23.50 worth. The combination which I have fed to my horses and cows for years, and which has given me the greatest satisfaction, considering price and effect, is based mostly on the addition of wheat-bran and oil-meal to cut, moistened corn-fodder and mixed hay. This is a safe way of feeding. It gives healthy animals and plenty of milk. The business dairyman, of course, uses silage in place of my dry corn-fodder. —Farm and Fireside.

[These prices are based on a rather more liberal estimate of the value of protein than it is customary to allow in Kansas.—Editor Kansas Farmer.]

Descendents of Phenomenal Cows.

I have just been reading with some interest your issue of March 2, Mr. Claude H. Hinman's article, entitled "Descendants of Phenomenal Cows," and while to some extent he may be correct when he states that in studying Jersey history one is impressed by the failures of those who have followed the system of breeding from phenomenal producers, to produce animals of more than ordinary merit, but evidently Mr. Hinman overlooks the fact that a phenomenal producing cow at the pail or churn may lack that essential characteristic to transmit these great qualities to her offspring.

Prepotency, as it is termed, no doubt is as sadly lacking in many of the phenomenal cows as among the poorer producers; in fact, I now have a case in mind where four half sisters "all sired by one bull," were all themselves phenomenal cows, as all had butter-records from 18 pounds to 30 pounds, yet two of these great cows never produced a great animal, and on the other hand the other two always produced animals fully their equals; this the breeder calls prepotency. Of course a cow that makes a phenomenal test is always held up to the public as a wonderful animal, and breeders rush after her stock, without even investigating the fact as to prepotency; and this may have led many a breeder into making the same remark and forming the same conclusions as has Mr. Hinman in his article.

I think many medium or poorer producing cows show fully as much lack of prepotency as do the phenomenal cows, but less is said of them. On the other hand, there are a great many phenomenal cows with great prepotency, and these are the cows and families that the breeder should watch and breed from.

Take the phenomenal cow, Melia Ann 5444 and follow her record: Upon grass alone and running right with the herd and not a mouthful of grain, she made 18 pounds ½ ounce of unsalted butter in seven days. She is the dam of five high-tested daughters, sired by four different bulls; also the dam of two bulls with over thirty-five tested daughters. Here surely is a phenomenal cow combined with the greatest prepotency; the average butter-test of her five daughters was over 22 pounds each; Melia Ann 3d 68070 (28 pounds 8 ounces), undoubtedly her best daughter, in turn has three high-tested daughters, one, Lottie Melia Ann 100775 (21 pounds 2 ounces), having a daughter with test of over 19 pounds. And so it goes with this phenomenal family of prepotent Jerseys. While I personally doubt if there is another family equal to the Melia Anns, yet there are some that surely approach them, combining capacity at the churn and pail, while at the same time impressing their prepotency upon their descendants.

It is this class of Jerseys that the breeders throughout the country are securing, to build their coming herds upon.—George E. Peer, Chila Station, N. Y., in Jersey Bulletin.

The Man Who Knows.

When Professor McKay, of Iowa State College, announced to the Dairymen's Association that W. C. Barrett's butter scored 97½ per cent, and that he had won the sweepstakes prize, there were loud calls from the audience of "Barrett! Barrett!" What was the surprise when a beardless youth of perhaps twenty years modestly rose. He was greeted with enthusiastic and prolonged applause, and called to the platform to tell the process of making first-class butter. There was no guesswork, but from start to finish accurate attention to details along the line of scientific principles in butter-making. To make the butter that won the first prize, he insisted upon the milk being in the best possible condition, and from the moment the milk came into his hands to the time he took 138 pounds of butter from the churn, he relied upon scientific data—the recorded experience of investigators who had proved the accuracy of their discoveries. He placed no dependence in signs and ordinary tests. He knew. And his hands followed the dictates of his brain. And that proud moment when he was the cynosure of all eyes, when university men, faculty, alumni and students, practical dairymen and women, and representatives of the press from a dozen different States, gave earnest attention to the story of his work was but the logical result of bringing science and skill to bear on the daily work of life. He knew. There was no loss from ignorance and carelessness or inefficient, ill-directed labor. To him all doors are open. He need not seek a situation. It will find him.

In 1902 he was working on a New York dairy-farm. In January, 1903, he entered upon the short course in dairying at Ohio State University. Upon the recommendation of Professor Decher he found employment with L. P. Bailey, an excellent and upright business man of the highest type. It was at this dairy that the prize-winning butter was made.

When the exquisite neatness of packing was commented upon, he said, "I packed it as carefully as I could, so that if I should lose a little on flavor I could be perfect on packing and those things that are controlled by workmanship. Ever since I have been in the creamery it has been my rule to try to make each tub of butter look better, if possible, than the preceding one."

Such are the principles, efficiency, skill, attention to details and absolute honesty that win success, not only in

SAVES

Half the Cows

OR

Doubles the Profits.

Oue of the big western creamery companies has figured out from several years' actual experience of its thousands of patrons that a

DE LAVAL

CREAM SEPARATOR

AND TEN COWS

will earn more every year than

TWENTY COWS WITHOUT ONE.

There surely could be no better nor stronger Separator argument than this.

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the dairy, but in every walk of life. Business men are glad to pay for these qualities, and the young man or woman possessed of good manners, honesty and skill need not long go hunting a situation.

Not every one may win recognition so young. Various combinations of circumstances over which the individual has little control may prevent an early fruition, but time will bring its reward. And who can tell but the time of waiting was but needful preparation?—MARY E. LEE, in Farm and Fireside.

Weeds Used in Medicine.

The United States Department of Agriculture has just issued Farmers' Bulletin No. 188, entitled, "Weeds Used in Medicine." The bulletin was prepared by Alice Henkel, assistant in drug and medical plant investigations, botanical investigations and experiments, Bureau of Plant Industry.

Attention is called to the fact that certain well-known weeds now either generally or locally infesting the country are the sources of crude drugs at the present time obtained wholly or in part by importation from abroad. Roots, leaves and flowers of several of the species most detrimental in the United States are gathered, prepared and cured in Europe and not only form useful commodities there, but supply to a considerable extent the demands of foreign lands. Hence it appears probable that while weeds can hardly be made desirable, still in his fight to exterminate them the farmer may be able to turn some of them to account. Some of the plants coming within this class are in many States at present subject to antiweed laws, and farmers are required to take measures toward their extermination. It seems, therefore, desirable to make these pests sources of profit where possible.

The prices paid for crude drugs from these sources are not great and would rarely tempt any one to pursue this line of work as a business. Yet, if in ridding the farm of weeds, and thus raising the value of the land, the farmer can at the same time make these pests the source of a small income instead of a dead loss, something is gained.

In order to help the farmers to obtain the best possible results for such products, instructions for collecting and preparing crude drugs from weeds are briefly given.

The plants mentioned in the bulletin are burdock, dandelion, the docks, couch-grass and pokeweed (principally root drugs); foxglove, mullein, lobelia, tansy, gum plant, scaly grindelia, boneset, catnip, hoarhound, yarrow, fleabane, blessed thistle, jimson weed and poison hemlock (of which either the leaves, flowers, herbs, or seeds are used in medicine); and also wormseed and black and white mustards, of which only the seeds are used.

Descriptions of these plants are given, together with the common names by which they are known in different localities, the habitat (or, in other words, the kinds of places or soils in which they are likely to be found), their geographical range, information as to the parts to be collected, their uses, the extent to which they are imported and the prices usually paid by dealers.

The principal uses for which these plants are employed in medicine are briefly indicated, but notice is given that none of the drugs mentioned should be taken without the advice of a physician.

Suggestions are also given relative to the manner of disposing of the crude drugs and of packing and shipping them.

The bulletin contains 31 illustrations of the weeds described. It is for free distribution and can be obtained on application to senators, representatives and delegates in Congress, or to the Secretary of Agriculture, Washington, D. C.

A quart of oysters contains about the same amount of nutrition as a quart of milk, three-quarters of a pound of lean beef, two pounds of fresh cod or a pound of bread.

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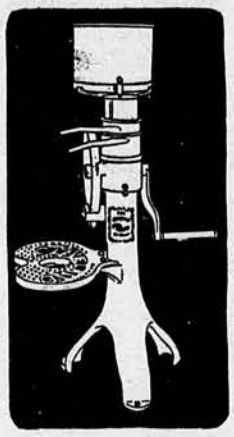

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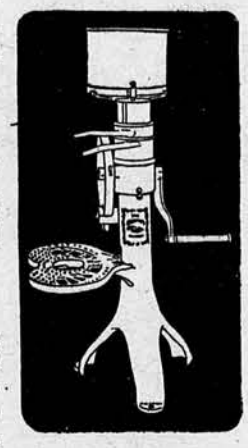

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The Poultry Yard.

CONDUCTED BY THOMAS OWEN.

Cost of Producing Eggs in Winter.

The New York Cornell Experiment Station has recently reported a series of observations on the amount and cost of food consumed and number of eggs produced during the four winter months, by a number of flocks of hens in different parts of the State. These observations were made during the winters of 1901-2 and 1902-3 in cooperation with practical poultry-raisers, the purpose being "to get at the average cost of eggs under ordinary commercial conditions." The results, briefly summarized, are as follows:

In the seventeen weeks from December 1, 1901, to March 29, 1902, and in the similar period of 1902-3, in 29 flocks, representing 10 owners and 5,200 fowls, the average daily production of eggs was 22.8 per 100 fowls. During the same period, the average food cost of 1 dozen eggs was nearly 18 cents. The flocks that laid most eggs during December and January laid the most eggs also in March.

The egg-production of pullets was notably in excess of that of hens, particularly in the earlier periods, when the price of eggs was highest. The average cost of feeding 100 hens for 17 weeks was $35.33. The average value of product exceeded the cost of food by $16.13 per 100 hens. Commenting on the results, Professor Bailey says:

"A most instructive feature of these records is the immense range in the cost of producing eggs, a range that runs fractionally from 6 cents to $6 the dozen. On examination it is found that this remarkable range is not correlated closely with breed, character of building, or kind and quantity of food, although all these factors have an influence. One cause of the difference seems to be a difference in the hens themselves—some hens are good layers and some poor layers, as some apple-trees are good bearers and some poor bearers. What the reason is of this difference in what we call individuality we do not know, but it is probable that individual fowls may stamp their capabilities on their progeny as markedly as individual cows may transmit good or bad milking qualities. At all events, it is not sufficient that the poultryman pay attention to housing and feeding alone. He must also give attention to breeding, choosing hatching eggs from parents of known performance."

It is just such questions as the latter that are being studied in experiments begun at the Maine Station. In these experiments, birds which had been shown by careful trap-nest records to have yielded "200 or more eggs per year of good shape, size, and color, were selected for foundation stock, upon which, with the additions made to them in succeeding years of birds of similar quality, the breeding operations were to be based." Of these experiments Professor Gowell says:

"During the four years in which we have been selecting breeding-stock by use of the trap-nests, we have given full-year tests to over a thousand hens and have found among them 35 that have yielded from 200 to 251 eggs in a year. Several have each yielded only from 36 to 60 eggs, and three have never laid at all. A study of the monthly record sheets shows not only great differences in the capacities of hens, but marked variations in the regularity of their work, some commencing early in November and continuing to lay heavily and regularly month after month, while others varied much, laying well one month and poorly or not at all the next. We are not able to account for these vagaries, as the birds in each breed were bred alike and selected for their uniformity. All pens were of the same size and shape and contained the same number of birds. Their feeding and treatment were alike throughout."

These investigations teach the importance of watching closely the egg-production of the individual hens of the flock and gradually eliminating

POULTRY BREEDERS' DIRECTORY.

SUPERIORITY POULTRY YARDS—Silver Laced Wyandottes. Eggs for hatching from prize-winners at State Fair and State Show, $1.50 per 15. Mr. & Mrs. W. R. Comstock, Station B, Topeka, Ks.

SINGLE COMB BROWN LEGHORNS—Eggs fresh. No change in price. 30 for $1; 100 for $3. F. P. Flower, Wakefield, Kans.

BLACK LANGSHANS—The best chicken for the farmer. Pure-bred. Eggs, 75 cents per 15. T. E. Whitlow, Moran, Kans.

S. C. BLACK MINORCAS. Eggs for sale at $1.25 per 13 eggs. EPH. SIMPSON, 19 and Washington St., Topeka, Kans.

BLACK LANGSHANS—Cockerels and Pullets. Nice ones. H. L. Pellet, Eudora, Kans.

ENGLISH BLUE GRASS for sale at 5 cents per pound. H. E. Bachelder, Fredonia, Wilson Co., Ks.

WHITE PLYMOUTH ROCKS exclusively. Eggs for hatching, one sitting $1.50; two sittings $2.50; M. B. turkey eggs, $2 per sitting. J. C. Bostwick, Route 2, Hoyt, Kans.

EGGS FOR HATCHING—From my prize-winning Black Langshans. Pen No. 1, $1.50; pen No. 2 $1 per sitting. James Bottom, Onaga, Kans.

FOR SALE—Eggs from Rose Comb Brown Leghorns, Silver Spangled Hamburgs, Barred Plymouth Rocks, White-faced Black Spanish, and Black Langshans. Write your wants. Charles W. Gresham, Bucklin, Kans.

SILVER LACED WYANDOTTE EGGS—15 for $1. Miss Frances Howey, Route 1, Topeka, Kans.

WHITE WYANDOTTE EGGS—For sittings, 15 for $1. Walter A. Smith, 109 East Tenth St., Topeka, Kans.

BARRED PLYMOUTH ROCK EGGS—30 for $2. Satisfaction guaranteed. Ethel J. Williams, Route 2, Williamsburg, Kans.

WANTED TO SELL—At about half factory price, two new U. S. Standard incubators, and a one-man bone-cutter, nearly new; also a few thoroughbred pedigreed Duroc-Jersay hogs. O. P. Wingrove, Route 1, Morganville, Kans.

SINGLE COMB BLACK MINORCAS—The largest and greatest laying strain in the world. Eggs $1.50 per 15; $4 per 50; $6 per 100. Beautiful illustrated circular with order. Address Geo. Kern, 817 Osage St., Leavenworth, Kans.

EGGS! EGGS!!—Toulouse geese eggs, $1 per sitting. Rouen and Pekin duck eggs, 18 for $1. Muscovy duck eggs, 10 for $1. White Holland turkey eggs, 10 for $2. Houdans, Buff Cochins, S. S. Hamburgs, Games, Barred Rocks, Buff, Brown and White Leghorns, White, Buff and Silver Laced Wyandottes, Pearl guineas, Golden Seabright bantams. Poultry eggs 15 for $1. Also all kinds of fancy pigeons reasonable. Satisfaction guaranteed. Write D. L. Bruen, Oldenbusch, Neb.

STRONG, hardy, farm-range S. C. B. Leghorns. Eggs, $1 per 15; $5 per 100; Ira Campbell, Route 2, Edgerton, Kans.

QUAKER POULTRY YARDS—Black Minorcas, Buff Minorcas, Buff Rocks and White Wonders, only. Circulars free. Address Box 110, Quakertown, Pa.

WHITE-FACED BLACK SPANISH—Like the business. Have taken fourteen prizes. Am in the push for business. Have a good many for sale. A few ferrets and half-breed Angora cats. Mrs Hattie Tyler, Fairview, Kans.

BARRED PLYMOUTH ROCKS Exclusively—Eggs from first prize pen at Kansas State Fair only $1 per sitting. Just as good as the $3 kind. C. E. Shortt, Station B, Topeka, Kans.

WHITE PLYMOUTH ROCKS—Snow white, good layers. Eggs, $1 per 15; $5 per 100. Few sittings of Rhode Island Reds same prices. A. D. Willems, Route 5, Inman, Kans.

SILVER-LACED WYANDOTTES Exclusively—Farm-raised. Eggs 5 cents. Mrs. M. A. Hall, Route 7, Winfield, Kans.

BUFF COCHIN EGGS from prize-winning stock. $1 per sitting, 3 sittings $2.50. H. A. Thomas, Scranton, Kans.

$5 PER HUNDRED for fine S. C. Brown Leghorn eggs, from 150 breeding hens, with unlimited range. Eggs very fertile and strong, and just the thing for incubators. Also White Wyandottes and B. P. Rocks at $6 per 100; $1.50 per 15. Have your order booked now. Send for nice booklet. Address Fred H. Petts, Warsaw, Mo.

POULTRY RAISERS WANTED—As agents for Aquatonic poultry remedy. Merit creates demand. Sample post-paid 8 cents. G. F. Dair, Morrill, Kans.

GOLDEN WYANDOTTES—Winners at New York, Bloomington, Ill., and Kansas State shows. Eggs $2 per sitting. A. C. Smith, 312 Elm St., Topeka, Kans.

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EGGS from pure-bred large, clear plumage B. P. Rocks, $1.50 per 15; $4 per 50; $7 per 100. Correspondence solicited. Mrs. Ada L. Ainsworth, Eureka, Kans.

EGGS FOR HATCHING—From premium and high-scoring Rose Comb Rhode Island Reds, $2.25; Barred Rocks, Black Java, $1.50 per setting of 15. Incubator eggs $5 per 100. Italian bees for sale in movable frame hives. H. A. Sibley, Lawrence, Ks.

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EGGS from the famous Ringlet and Latham strain of Barred Plymouth Rocks. First pen, $5, pullet breeding; second pen, $5, cockerel breeding; third pen, $3; second pen, $2; range, $1 per sitting of 15. For beauty, utility, and laying strain. Address Mrs. Louis Hothan, Carbondale, Kans.

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EGGS From fine pure-bred White Wyandottes and Rose Comb White Leghorns, $1.50 per sitting of 15; two sittings, $2.50. E. O. FALLIS, Luray, Kans.

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BARRED PLYMOUTH ROCKS—Eggs for hatching, $1.50 per 30. Farm raised. Free range. H. E. Hostetler, Conway, Kans.

PLEASANT VIEW POULTRY FARM—White Wyandotte and Barred Plymouth Rock eggs for sale, 5 cents each. S. Bailey & Wife, R. F. D. 3, Independence, Kans.

EGGS from Rose Comb White Leghorns, $1 per 15. Mrs. John Hill, Vinland, Kans.

MOTTLED ANCONAS—The great egg producers. Eggs $1 per 15. Adaline Gosler, Matfield Green, Kas.

S. C. B. LEGHORNS—Champion layers winter and summer. Eggs $1 setting. L. H. McCarroll, Edgerton, Kans.

BLACK MINORCAS—Biggest layers of biggest eggs. Fertile eggs for hatching, $1.50 per 15; $3 per 50; $5 per 100. Also Light Brahmas, Black Langshans, Barred and Buff Plymouth Rocks, White, Silver and Golden Wyandottes, S. C. Rhode Island Reds, S. C. White and Brown Leghorns, American Dommiques, Houdans, White Crested Black Polish, Buff Laced Polish, Buff Cochin Bantams. Eggs from choice matings of above $1.50 per 15. James C. Jones, Leavenworth, Kans.

STOCK ALL SOLD—Booking orders for eggs from winners of 60 premiums, Barred and White Rocks, $2.50 per 15 or $4.50 per $30. Mr. & Mrs. Chris. Bearman, Ottawa, Kas.

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EPH. SIMPSON, 19th and Washington St., Topeka, Kans., has for sale cockerels scoring above 92 points and eggs of Black Minorcas.

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Exclusively. Farm raised. Eggs per setting of 15, $1. Incubator users write for special prices in 100 lots. P. H. MAHON, R. R. No. 3, Clyde, Cloud Co., Kans.

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Silver Laced and Pure White, and White Holland Turkeys. High-grade birds for sale at reasonable rates. Write wants to
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AND BARRED PLYMOUTH ROCKS
In four shows this season won more firsts and specials competed for than all competitors. Boston and New York winners. Send for circular. Eggs, $1.00 for 13. Cockerels for sale. Chas. C. Smith, 107 E. Seventh, Topeka, Kans.

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EXCLUSIVELY.
Three Grand Yards of the Best Strains in the Country

White Plymouth Rocks hold the record for egg laying over any other variety of fowls; eight pullets averaging 289 eggs each in one year. I have some breeding stock for sale at reasonable figures. Eggs in season, $2.00 per 15, expressage prepaid anywhere in the United States. Yards at residence, adjoining Washburn College. Address
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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, and Brown China Geese. First-class Standard Stock of Superior Quality. Stock For Sale. Eggs in Season. Write Your Wants. Circular Free.
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The Buff Plymouth Rocks
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Are Better Than Ever. At State Fair at Hutchinson 1903, I won in warm competition, 1st cock, 1st hen, 1st pullet, 1st pen, 2d pen.
No Better Buffs Can Be Found.
Eggs from my two best pens, 15 for $2; 30 for $3.50. They are in the $5 class. Mammoth Bronze turkey eggs, 11 for $2. Stock all sold
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Yearling hens and cockerels from high sc stock for sale. Eggs for hatching, $1.50 per 15. Aley, R. R. 2, Topeka, Kans.

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Cocks and cockerels scoring from 93 Also hens for sale. Eggs $1.50 for 15, or $2. J. C. WITHAM, Cherryvale, Kans

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First prize pen scoring 92 to 93¼. Eggs, 15 fo Pure-bred Silvers, farm range, many of them winners; 100 eggs, $4.
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Empire strain. High-scoring cockerels sale cheap.
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BURE-BRED POULTRY.
Stock and eggs for sale. Single Comb White, and Rose Comb Brown Leghorns, Silver Spa Hamburgs, Single Comb Black Minorcas, Ame Dominiques, Mammoth Bronze Turkeys. Eg per 15. Turkey eggs, $2 per 9.
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At Chicago, November, 1903, first and ond prize on two entries. Black La shans—Hettich strain direct. Wyande —White and silver. Hen eggs, $1 per 15 $1.75 for 30. Duck eggs, $2 per 13; or $4 p Write for circular.
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Skinner's Famous Winter-Laying Barred Rocks Skinner's Prize-Winning C
His coops won at Missouri State, Kansas City Scott and 1904 Topeka Shows. Address
O. E. SKINNER, Columbus, K
Sharpest Grit, 150 lbs. 50c. Beautiful Catalogu

For Laying and Exhibit
BATES' Pedigreed White Plym Rocks, White Wyandottes and R Rhode Island Reds.
I won in every one of the four shows hibited this past season, including the Kansas State show at Topeka, January Eggs from our White Rocks and Rhod land Reds, $1.50 per 15; White Wyand (won 2d pen Kansas State Fair) $1 p
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GEO. H. STAHL, Quincy, Ill.

those which do not make a profitable return in eggs for the care and feed given them. By this selective process it would be possible to build up flocks of hens of high laying capacity, just as dairy herds are improved by similar means. It is well-known, however, that the character of the feed and the method of feeding, as well as housing, etc., have much to do with the laying capacity of hens, especially in winter.

Brown Leghorns for Egg-laying.

EDITOR KANSAS FARERS—Seeing the article in the issue of February 11, giving the experience of a farmer's wife with Plymouth Rocks as winter-layers, and again in the issue of February 25 of another farmer's wife giving her experience both of the Plymouth Rocks and Brown Leghorns as winter layers, prompts me to give my experience. .

I kept the Plymouth Rocks for eight or ten years, each year trying to improve my stock, by sending away and getting thoroughbred cockerels; and think I had as pretty a flock as any one would wish to see, but I did not find them good layers in winter; would sell only a very few dollars' worth of eggs from November to March, perhaps $5 to $8 worth. Last spring I got thoroughbred Brown Leghorn cockerels and crossed them and raised about 600 chickens. I kept about 225 hens and this winter have gotten eggs all winter. In the month of February I sold $19.50 worth. One week alone in February (from the 13th to the 20th) I sold $7.50 worth.

I have a good, warm house and give them a warm mash in the morning of the scraps I can gather and add a little bran or ground corn and a little poultry food; and I must agree with the letter of February 25, that the Leghorns are by far the best winter layers; and as that is the time when prices are good, it is worth while to have the best winter-layers. From November 1, 1903, to March 4, 1904, I sold $35.42 worth, and have gathered from five to eight dozen per day since March 1. MRS. MARIA MARVIN.

Johnson County.

Record of Four Turkeys.

Mrs. A. DuBois has established a record with four turkey hens of which she may well be proud. Last spring she started with four hens and a tom and increased the flock to 93, the increase, 88, she disposed of as follows: On the 4th of last December she sold 40 turkeys, for $54.80; three gobblers sold at home brought $6.25, and she sold the last 45 last week for $45.75. She still has the four turkey hens and tom and has $101.80 for profit.—Agra Sentinel.

How Many Cockerels?

Would 16 pullets, mated to a healthy, well-matured W. P. Rock cockerel be too many, if taken good care of?

A. D. W.

Answer.—It depends a great deal on the extent of the range the chickens have. If allowed free range, sixteen to twenty hens to a male is not too many, but if confined to a yard, a dozen females is the extent that can be allowed and guarantee the eggs to be fertile.

There is more Catarrh in this section of the country than all other diseases put together, and until the last few years was supposed to be incurable. For a great many years doctors pronounced it a local disease, and prescribed local remedies, and by constantly failing to cure with local treatment, pronounced it incurable. Science has proven catarrh to be a constitutional disease, and, therefore, requires constitutional treatment. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, Ohio, is the only constitutional cure on the market. It is taken internally in doses from 10 drops to a teaspoonful. It acts directly on the blood and mucous surfaces of the system. They offer one hundred dollars for any case it fails to cure. Send for circulars and testimonials. Address,
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Sold by Druggists, 75c.
Hall's Family Pills are the best.

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Through Tourist Sleepers to California.

Rock Island Tourist Sleeping cars are fully described in our folder, "Across the Continent in a Tourist Sleeper." Ask for a copy. It tells the whole story—describes the cars in detail; names the principal points of interest enroute; shows when cars leave eastern points and when they arrive in California. A. E. Cooper, D. P. A., Topeka, Kans.

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Up-to-date, no night watching. Perfect regulator, economical heater, price low. Test it yourself for 30 days; it's ours if you don't want it; fertile eggs must hatch. Special attention to beginners. We pay freight. Catalogue free.
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Never outclassed—Sure Hatch Incubators. Built better than your house. No hot centers; no chilling draughts on sensitive eggs. Every cubic inch in egg chamber at uniform, blood temperature of fowl. It's a continual pleasure to hatch nearly every fertile egg with a Sure Hatch. Free catalogue, D 18 with pictures tells lively story.
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are truthfully pictured and their actual working told in about 30 of the 80 pages of our new catalogue. The rest of the book gives information about the chicken business. We begin the story in the egg and end it with the marketing of the fowls. There's knowledge which will benefit anyone and may mean dollars to you. Our incubators are driving hens out of business. They work regardless of weather or of seasons. You can count on hatching every fertile egg. Money back if not all we claim. We pay freight. The book is free. Just say "Send Victor Book" and we'll do it. GEO. ERTEL CO., Quincy, Ill.

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You know in advance what will come if the eggs are fertile when you use the self-regulating
Successful
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The machines for busy people and the inexperienced because they run themselves. That's the unqualified experience of thousands. The same under all conditions. Eastern orders have prompt shipment from the Buffalo House. 100 pens of Standard fowls. Incubator catalogue with fine illustrated poultry catalog free.

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tells the story without any filigree work and it has a lot of things like practical plans for poultry houses, care of poultry, egg record sheets and incubation records that make it valuable to any man in the chicken business. I want to send one to every man that reads this paper. Write me a letter. I'll send you the book free and tell you anything I can about your hens. Write to
M. M. JOHNSON, The Incubator Man, Clay Center, Neb.
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We dare not tell you half the facts. We want you to see it in the field. Sent on trial. Not one cent in advance. We guarantee to do fifty per cent more work with the same team and do it better than any other Disc or Mould-Board Plow on earth. Will plow hard, dry ground where no other plow will work. We furnish hundreds of letters from farmers that it will plow almost anything either wet or dry. We want you to see it in the field, and will pay you to hold an exhibition where we have no agents. We are exclusive manufacturers for two-thirds of the United States of the Genuine Hancock Disc Plow, the only plow branded or advertised as "Hancock." Beware of cheap imitations that look like our plow but which lack the essential features (covered by our patents) that make the Hancock Disc Plow the wonder of the age and the ONLY SUCCESSFUL DISC PLOW ON EARTH. "Imitation is the sincerest flattery," but do not be deceived by imitations. See that the name "HANCOCK" is on the plow. Write now and get ready for Spring work. Circulars and hundreds of testimonials from prominent farmers furnished on application. We do not ask you to take our word for it.
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TOPEKA, KANSAS.

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 post office, should be signed with his full name, and should be addressed to the Veterinary Department, Kansas Farmer, Topeka, Kans., or Dr. N. S. Mayo, Manhattan, Kans.

Dead Swine.—Ten days ago I lost a sow 1 year old that had four suckling pigs at her side. I fed her at night and she seemed all right. In the morning she was dead. Yesterday morning I found a male, 6 years old, that had died some time during the night. He had not been noticed ailing in any way. My pigs are in fair condition. I have been feeding corn with shorts and bran, with an occasional feed of coal-slack. I opened the sow and found one lung, on the side on which she was lying, to be congested. The small intestines were purple or black in color. What do you think is the matter? SUBSCRIBER.

Elk City, Kans.

I think your hogs died from acute indigestion or from some poisonous substance in the feed. I should investigate the feed very carefully to see that there were no injurious substances, particularly if there were any house-slops fed. There was evidently inflammation of the bowels, but no symptoms of a contagious disease, and I think it was caused by some irritant in the food.

Tumor in Cow's Teat.—I have a 4-year-old cow that has a lump in the center of one front teat; it is about the size of a large pea. There seems to be a stricture above this that does not allow the milk to come into the teat. What can be done for it? A. D. L.

Victor, Kans.

Answer.—The only treatment is to cut into the side of the teat and remove it by a surgical operation, or else use a grooved director that can be passed up the opening into the teat and enlarge the opening above to allow the milk to escape. These are difficult cases to treat, and require expert surgical knowledge. The treatment should be undertaken when the cow is dry.

Barren Cows.—I have several cows that I would like your opinion regarding. One was bred December 10 but came in heat two weeks ago. Others are doing the same. Is this a sign or abortion? G. W. O.

Dexter, Kans.

Answer.—It is not a sign of abortion, but indicates that the cows fail to breed when served. I am inclined to think that the trouble is with the bull. I would advise you to use a different bull, one that you know is a sure breeder. I think this will overcome the difficulty.

Abscess in Mare's Udder.—I have a brood mare with a bad udder. There is an opening that discharges pus. Can the colt be raised by hand, and how can it be done? SUBSCRIBER.

Wymore, Neb.

Answer.—This is a fistula or running sore caused either by an abscess or gathering that has broken, or by a foreign body such as a stick entering the tissue. I would advise you to probe the fistula very carefully for a foreign body and if one is found it must be removed surgically. If there is no foreign body there, wash the fistula out with warm water and inject some 5 per cent solution of carbolic acid once daily. You can raise the colt by hand by giving him fresh cow's milk, from a bottle at first, using a rubber nipple. Teach him to drink as soon as possible. Feed him often but do not give him too much at a time and be sure the milk is fresh. We raised a pure-bred Percheron colt, whose dam was killed, last year on the college farm. It is an exceptionally fine colt.

Colic.—I have a sorrel mare, 12 years old, that has "water colic" several times a year when she is pretty well run down. It always occurs after a hard drive or severe day's work. Aconite always relieves it until the next time. What will cure it permanently? A. W.

Hydro, Okla.

Answer.—I think your mare has spasmodic colic, which is caused by drinking water or taking food into the stomach when she is tired and exhausted. The best treatment is to prevent it by not overworking the animal, and do not allow her to eat or drink until she has rested for a time. Then she should be fed and watered sparingly. I do not think there is any remedy except good care and judgment in feeding and handling that can be given to stop it permanently.

Bad Teeth.—I have a 4-year-old filly that threw herself and loosened or broke the roots of the two central nippers on the upper jaw. She can eat fairly well but can not bite off corn. The loosened teeth are one-fourth inch longer than the others. They are a little loose and do not allow her jaws to come together evenly. Ought these teeth to be removed or floated down?

Shields, Kans. G. E. S.

Answer.—I would advise keeping the teeth floated off unless they are sore so as to prevent her from eating. If they are they should be removed. They are probably of little value to the animal, but if they are removed it would leave a bad-looking mouth, although I think she would probably do better.

Sick Pig.—I have a pig over 2 months old. He seemed to be in the best of health and thrifty until a few days ago when he was taken with a severe cough, dry at first, but later becoming moist. He gradually lost his appetite and will hardly eat or drink anything and seems to be weak and listless. I have isolated him from the rest.

Marion, Kans. E. C. C.

Answer.—I think your pig has pneumonia or inflammation of the lungs. It is possible that it may be caused by lung worms; very small, hair-like worms in the bronchial tubes. I do not think medicinal treatment will be of any value. Keep the pig isolated, and give him gruels, sweet milk or anything that will keep up his strength. Should he recover, do not put him back with the rest until he is entirely well.

Sweeney.—I have a 4-yearold mare. I sweeneyed her last spring while breaking her. She is a little lame in that leg now. The hock joint is swollen a little. The sweeney is not filled out entirely. The heel of the affected leg is cracked. She has been kept in a dry, clean stall and well bedded. What can I do for her? A. D. L.

Victor, Kans.

Answer.—I do not understand this case fully. From your letter I judge that the wasting of muscles affects those of the hip. If so, it is caused by the lameness that you mention, and is a result of lack of use of that leg. This may be caused by the injury to the hock or to the heel but I am inclined to think that the hock joint is the seat of the trouble. If I am correct, I would advise you to bathe it thoroughly with hot water twice daily, giving lots of hand-rubbing, wipe it dry and apply some good liniment, rubbing it in thoroughly. When it begins to blister, withhold for a few days and repeat. For the sore heel, apply some oxide of zinc ointment. True sweeney only affects the muscles of the shoulder, and is a result of the injury from a collar. Muscles of the hip or shoulder also waste away or atrophy from disuse following severe or prolonged lameness.

Sick Cows.—In November, 1902, one of my cows was taken sick and suffered severely. She would jerk up one hind foot and then the other. She had a high fever and in two days a crust formed on her nose, teats, udder, belly, and flank. This crust was black and peeled off in flakes and left the flesh raw. She was constipated at first but I gave her a quart of lard. Her bowels were very loose and I gave her some flour in drinking water which checked the scours. She craved water. In ten days her eyes swelled shut and she began running at the nostrils, a thick, yellow matter. She got better and did well all sumer until about six weeks before calving when she got thin and weak and was unable to get up until after she calved. After calving she was so weak that I killed her. Her lungs were of a dark purple color, the right much larger than the left. What do you think ailed the cow? Some of my other cattle are running a little at the nose a clear, thin fluid.

Wells, Kans. F. D. B.

Answer.—From your description of the lungs I am inclined to think your cow had pneumonia, but I am unable to account for the condition described as affecting her the year before. I also think that your cow had some chronic disease of the digestive system that you must have overlooked in examining her after death, which would account for her poor condition. Your other cattle have a catarrhal condition that is rather common during the spring of the year. It is of little importance and usually disappears when they get on grass. There is no medicinal treatment that seems to be of value. I would advise you to salt the cattle frequently, or place salt where they can lick it at will. N. S. MAYO.

A whole flood of most useful information about cooking and baking is found in the new edition of the cook book prepared for their friends and patrons by the Royal Baking Powder Company, of New York. Formulas for every kind of cookery, ranging from the simplest to the most elaborate, with plain and carefully prepared directions, make the book one of the most practical and useful of its class. A postal card to the publishers, giving name and address, will bring the book to any of our readers free of charge.

Gossip About Stock.

(Continued from page 327.)

has fifty Shetland pony mares on his breeding farm and will soon be able to offer a number of these beautiful little animals for sale. One photograph shows a team of these ponies hauling a load of corn in an ordinary farm-wagon from the field to the crib. Another one shows a 36-inch stallion hitched to a single rig. The writer had the pleasure of riding behind this stallion in company with the owner, and our combined weight of 300 pounds seemed to make little difference to the sturdy pony, who went up hill and down at a great pace for so small an animal.

Thos. McFarlane, secretary of the American Aberdeen-Angus Breeders' Association, Chicago, has gotten out a circular giving the classification for the breeders of Aberdeen-Angus at the World's Fair at St. Louis. The Louisiana Purchase Exposition offers Angus breeding stock $4,930, and $1,550 for fat stock, making a total of $6,480 offered by the World's Fair, to which must be added the special by the Angus Association, amounting to $4,160, which is a big inducement to breeders of Angus cattle, as the consolidated offering makes an average money prize of $64.50 for each award in breeding stock, and an average money prize of $85.59 for each award in fat stock. The chances for other beef breeds are equal to this so that exhibitors are offered big inducements to make a show at St. Louis this year.

Mr. A. F. Reynolds, R. F. D. 4, Winfield, Kans., writes that trade in Chester Whites is good. He is a breeder of Improved Chester Whites and his sales this spring bear testimony to the quality of stock he is breeding, as well as to the general demand which exists for improved stock throughout the country. He still has thirty head of serviceable boars and gilts from old parents of the best breeding that he would sell. Their parentage and pedigrees indicate that they will be good breeders, and his past success in pleasing his customers warrants an increase in his future business. The Chester Whites are constantly growing in favor and the handsome appearance of a dressed carcass gives them a preference on the market. Good foundation stock may be had from Mr. Reynolds at reasonable figures when the quality is considered. See his advertising card on page 340, and write him for prices on these good hogs.

On Thursday, March 31, will be held a sale of thirty-eight head of registered Hereford cattle at the farm of H. W. Mitsch, near Woodbine, Dickinson County, Kans. The offering will consist of twenty-four cows from 3 to 10 years old, two 2-year-old heifers, two heifers under 1 year and eleven bulls from 6 months to 2 years old. In connection will be offered ten head of horses and mules, six milk cows, fourteen brood sows and two hundred Rose Comb White Leghorns, besides farm implements and household goods. The sale will begin at 9 a. m., and credit of six months will be given on bankable notes bearing 10 per cent

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Famous *COAL-TAR* Carbolic Dip.

For general use on live-stock. Send for "Piggies' Troubles" and "Zenoleum Veterinary Advisor" and learn its uses and what prominent stockmen say about it. Books mailed free. All druggists, or one gal., express paid, $1.50; 5 gal., freight paid, $6.25.

ZENNER DISINFECTANT CO., 61 Bates St., Detroit, Mich.

BALMOLINE

excels all other remedies for **Collar Galls, Sore Shoulder, Scratches, Wire Cuts, Cracked Heels, Sitfasts, Chafes, Rope Burns, Sore Teats, Caked Udder, Old Standing Sores** of all kinds, etc. Keeps away the flies preventing Maggots, Screw Worms, and Proud Flesh. Equally good for **man or beast.** Endorsed by horsemen everywhere. **It brings the new hair every time.** Sold by all druggists. **Price 25c and 50c.** Trial size 4c by mail. For circulars etc. write

De Huy Balmoline Mfg. Co. Box 14, Abilene, Kans.

LAND BEST in the WEST

Ten years time. one-tenth cash.
Rich Farm Land in Kansas. $5 00 to $10.00 per acre.
Ranch Land in Colorado, $1.50 per acre.
1,064,000 acres sold in 1903 to farmers and stock growers from the east and north.
Excursion, Tuesday, April 5th.
UNION PACIFIC LAND AGENCY, 523 Kans. Ave. Topeka, and Room 8, Union Depot, Kansas City, Mo.

E-Z CHURNS

My father Wm. Jordan sold milk in Topeka in '62. I sell churns, and can make nice butter for you in five minutes, if you will write me a card for particulars. Arthur Jordan, Agent, Halifax, Kansas, Box 22. Topeka office, 106 W. 5th St

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What every farmer needs. Thousands are using them. Simple. Complete. Printed headings for every item of a farmer's business. Three books in one. Good for eight years' business. Sent by mail on receipt of $2.00. CENTRAL SUPPLY CO., 1618 Walnut St., Topeka, Kansas

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Eggs shipped to any point.
1st cockerel and 1st pen at the Kansas State Show
Cockerels for sale (with score-card by Rhodes.)
Write me what you want and I will try to please you.

Rolling Prairie Poultry Farm,
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F. A. BROWN.

Single Comb Brown Leghorns

Exclusively, choice stock farm raised. 30 eggs $1.50, 45 eggs $2.00, 50 eggs $2.25, 100 eggs $3.75, 200 eggs $7 25.

W. L. SHEPARD, Woodston, Rooks Co., Kans.

SEED-CORN FOR SALE.

Pure BOONE COUNTY WHITE; this is the variety that stood first in test at St. Louis this month, and shelled 62-3 lbs from 70 lbs of ears. Price One Dollar per bushel, f. o. b., at Holton. Cash to accompany the order. S. K. Linscott, Holton, Kansas.

DON'T BUY GASOLINE ENGINES Until you have investigated "THE MASTER WORKMAN."

At wo-cylinder gasoline engine, superior to all one-cylinder engines. Costs less to buy and less to run. Quicker and easier started; has a wider sphere of usefulness. Has no vibration; can be mounted on any light wagon as a portable. Weights less than half of one-cylinder engines. Give size of engine required. Especially adapted for irrigation in connection with our centrifugal force pumps. (Sizes 2, 2½, 4, 5, 6, 8, 10, 12 and 16 horsepower.) ☞Please mention this paper. Send for catalogue. THE TEMPLE PUMP CO., Meagher and 15th Streets, CHICAGO, ILL.

interest. These notes will be charged only 6 per cent if paid when due, or a discount of 2 per cent will be given for cash at sale. However, all the registered stock will be sold for cash without discount, unless other arrangements are made prior to the sale. Col. J. N. Burton, of Abilene, will conduct the sale, and catalogues may be had from the owners, Samuel & H. W. Mitsch, Woodbine, Kans. Mention the Kansas Farmer and write them.

Mr. C. A. Johnson, a graduate of the Kansas Agricultural College, who lives at Success, Russell County, Kans., has decided to go into the breeding of Poland-China swine and to do it right. He has just purchased five fancy gilts and a handsome young boar from F. A. Dawley, of Waldo, Kans., who made such a remarkable record in his first annual sale held at Osborne on February 2. Mr. Dawley states that his spring crop of pigs is the finest he ever had and this is saying a good deal. In building up his herd he has endeavored to select breeding-lines to please the most fastidious buyers. He now has in his herd sows by Perfect I Know, Perfection's Likeness, Eclipse Model, Onward Perfection, B. B. Model; others by Ideal Sunshine, bred to G's Perfection, the great boar with which Gossick won his prizes. His Proud Perfection, Guy's Price and Corrected sows are bred to Sunflower Perfection, the fancy boar from the famous Porous Plaster sow; others by Keep On, Top Liner, a half-brother of Corrector, Highroller, a show boar by Woodbury. The Onward Perfection sows are bred to Geo. E. Fuller's sensational boar, Sunshine Success, and others to E. E. Axline's great boar Perfect Success, a half-brother to Keep On; also some bred to Axline's Stylish Perfection boar. It is doubtful if there is any place in Kansas where so many different blood lines of such high quality can be found in any one herd. Mr. Dawley's breeders' card is on page 340 and a letter to him will bring particulars of what he has to offer from what we believe to be one of the best herds in Kansas.

Cloverdale Stock Farm, Colony, Kans., is an interesting place to visit. Here are bred choice Shorthorn cattle, Shetland ponies, Cleveland Bay horses, Poland-China and Duroc-Jersey swine and Pomeranian dogs. These are all of the finest breeding and splendid individuals can be obtained here of any of these breeds at any time. The Shorthorn herd is headed by King's Guard 189355, by Advance Guard, out of Lady Lavender by Lavender King 4th 108682. They also have on the farm a number of young Shorthorns by Orange Champion 136198, by Saxon Knight 110108, out of Chief Orange Blossom, by Spartan Chief 95303. Several head are by Scarlet Prince 124855, by Scarlet Knight 110111. There are onw on hand and for sale four very fine young bulls, coming 2 years old, that will be priced right. We might mention in this connection that they have ten highly-bred Angus heifers that are very nice and are for sale at this time. Young stock of any of the breeds mentioned above may be had at Cloverdale Stock Farm at almost any time of the year. Mr. C. H. Clark, the owner, formerly bred Shorthorn cattle in Iowa, where he made a great reputation for the quality and breeding of his herd. The same skill has been maintained in breeding Shorthorns and has been applied to the breeding of other classes of stock so that he is now able to offer breeding stock of any of these breeds that are worth going after. Colony is on the main line of the Southern Kansas division of the Santa Fe road, and is also on the Missouri Pacific, so that it is easily reached from any direction. Write to Mr. Clark for further information, and mention the Kansas Farmer.

O. H. Swigart, Champaign, Ill., reports sales of Avondale Galloways as follows: P. M. Dailey, Penfield, Ill., takes the imported yearling bull, Stanley of Thornehill. This is a finely bred young bull and goes to head Hr. Dailey's herd of registered cows. Mr. C. S. Hechtner and his neighbor, Mr. Martin, both of Princeton, Ill., left this week with several cattle. Mr. Martin takes the yearling heifer, Black Princess 2d of Glenlair, sired by the champion Camp Follower of Stepford, and the 3-year-old heifer, Indulgent Lady, with a bull calf by Starlight of Thornehill. This makes a fine addition to Mr. Martin's herd. Mr. Hechtner goes in for the best. Last fall he came here and made such a pull on my herd that he sent me to Scotland for repairs. He then took Imp. Druid of Castlemilk and the fine heifers, Lassie of Wavertree and Ada of Avondale, and others. He now takes the fine gold medal camp-follower cow, Louisa 2d of Durhamhill, with a fine heifer calf at foot, by Mr. Jas. Biggar's great bull, Excelsior, first at Highland three years in succession. He also gets the fine 2-year-old heifer, Lady Jean 3d, and two fine yearling heifers bred at Thornehill. Louisa and Lady Jean were bred by Jno. Cunningham. Mr. Hechtner now has a show-herd second to none. I hear that Mr. S. M. Croft & Sons, Bluff City, Kans., took champion silver cup at Oklahoma City last month with Black Princess of Glenlair, one of the first cows sold from my importation. This cow crossed the ocean, stood exposed to 30 degrees below zero at Quebec, stopped four weeks at Avondale, then presented her new owners with a fine heifer calf from Great Scott, one of the best breeding bulls in Scotland, before reaching home. Is it possible that she was winning prizes two weeks later? That explains it. She is a Galloway.

THE MARKETS.

Kansas City Live-stock and Grain Markets.

Kansas City, Mo., March 21, 1904.

Liberal receipts of cattle were had at this market last week, aggregating 34,300 against 28,300 the previous week. Receipts were distributed very proportionately among the different kinds of cattle. The dressed beef market was not very good, there being at least 15c decline in the prices since the previous week's close. There were a few choice fat steers on the market the first of the week and sales were made as high as $5.35 and quite a number of sales over $5 were made. The decline after the heavy run of the first of the week was not regained; the prices have remained unchanged since Thursday's close. Shipments of stockers and feeders to the country last week were 321 cars against 253 cars the previous week. Heavy feeders have decreased 25c while the stocker market has shown only a 15c decline and good grade light stockers have not lost more than 5@10c. The greatest demand is for light stockers and the movement in this kind was unusually good last week. She stuff is steady and in good demand.

To-day's cattle receipts were 5,400, which is a normal run for Monday and 2,000 less than last week. Receipts of fat stuff formed about their usual share of the supply. The fat-steer market was steady to 10c lower and mostly on the Western order. The top for the day was $4.65, but there was some prime heavy cattle on the market that did not sell today and the market on that class of stuff was not tested. Most of the dressed beef sales ranged around $4.20. Stockers and feeders were in better demand to-day than last Monday and the market had some more activity than lately. The best grades of stockers and feeders were fully 10c higher. A string of choice feeders sold for $4.75, 10c higner than the dressed beef kinds. The light stockers are still the choice of the countrymen and the best kinds sell around $4. Stock heifers are in only fairly good demand, a good bunch sold to-day for $3.10. Fat she stuff and bulls were a little draggy to-day, but sold about steady to 5c lower than last week's close.

Receipts of hogs were only fairly liberal last week, but were 34,100 against 28,500 the previous week. Hog prices have been on the toboggan all the week and the slide has cost the seller 30c per cwt. Hogs are lower now than any time since February 15. Saturday's top was $5.20 and the top for the week was $5.50, which was had on Tuesday, and $7.45 a year ago Tuesday. The bulk for the week was $5@5.20. The market has fluctuated widely during the week but has followed very closely the fluctuations of the provision market. There have been a few choice heavy hogs on the market this week, but this grade is giving way to the mixed kinds, the supply of heavy winter hogs being practically exhausted. There is a good demand for pigs coming from both the packers and speculators and the decline in the price of pigs has been less than any other kinds. Tops under 200 pounds for the week was $5.15.

The hog market to-day was a slow, mean one, with only about half as many hogs at the Western markets as there were last Monday. The prices went down at least 10c from the Saturday close. Receipts at this market were only 2,500, the smallest Monday's run at this market in quite a while. A 10c decline was reported from the other markets and the buyers here were slow to take hold at anything but a 10c decline and salesmen were slow to concede to the packers, but in most instances the 10c decline was maintained. Outside of some pigs and lights everything went 10c lower. Some salesmen claimed that there were not enough hogs to fairly test the market. No one predicts how far toward the bottom the hog-prices are headed for. The top today was $5.15, and it took good hogs to bring $5.05. Mixed hogs sold largely $4.95@5.05, and light hogs sold from $4.90 down. The bulk of all the hogs sold at $4.90@5.07½. The top under 200 pounds was $4.92½.

Sheep receipts were fairly liberal last week and not varying over 100 head from the previous week Most of the offerings the past week have been lambs and the quality of the lamb-offerings has been very poor. It seems that the feeders are running from high-priced feed and throwing their lambs on the market in a half-fat condition. The best grades of lambs are selling at steady prices with last week's close, but this half-fat stuff is at least 30c lower. Some good wethers sold Friday for $4.67½ and yearlings sold around $5. Lambs have been selling around $5.30@5.45, but it is asserted that if some of the choice lambs that are in the country would be marketed they would bring around $5.60. The quality of the lamb-offerings were better the last of the week.

Sheep receipts were a little heavier today than last Monday and a much better quality was had. An active, steady market was the rule at the sheep pens today and receipts amounted to nearly 6,000. There were no real choice muttons in the supply to-day but there were some fairly good ones. Some Westerners sold at $4.85 and Western ewes sold around $4. Lambs formed the larger portion of the receipts and the quality was much better than last week's supply and prices were only about steady with Saturday's close. One thousand and sixty-three head of Western lambs sold for $5.40 and the bulk of prices ranged around $5.25.

Receipts of horses to-day were even larger than last Monday at 800 head, but the supply of draft-horses were no larger than on last Monday. There is a very light demand for drafts and chunks and consequently the market is overloaded. Drafts and chunks are selling $10@25 lower than they were two weeks ago, but Southerners are in fair demand and remain at steady prices. A few fancy drivers were among the offerings to-day. Medium drafts sold around $135@140 and the extra good ones sell as high as $180. Medium Southerners sell at $45@65 and the best will not bring over $80. Driving horses range around $80. There is very little change in the mule market here this week. There is no demand for other than good heavy farm or dray mules, except a slight demand for mine mules. There will be little demand for other than the heavy kinds before fall. The prices remain unchanged on the very best quality but the medium kinds are slightly lower.

H. H. PETERS.

Homeseekers' Excursions.

One fare plus $2.00 round trip rate via Chicago Great Western Railway from Kansas City to points in the following States: Idaho, Montana, Oregon, Washington, British Columbia, Assiniboia, Manitoba and Saskatchewan. Tickets on sale March 15 and April 5 and 19. For further information, apply to Geo. W. Lincoln, T. P. A., 7 West Ninth St., Kansas City, Mo.

When writing advertisers please mention this paper.

Special Want Column

"Wanted," "For Sale," "For Exchange," and small 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.

D. P. NORTON, Dunlap, Kans., offers registered Shorthorn bull and heifer calves, crop of 1903, at $50, get of Imp. British Lion 133692.

TO EXCHANGE—My Shorthorn herd bull Allscotch 2d 173676, calved Jan. 8, 1901, red, a fine individual and breeder; or Aberdeen Champiom 206505, calved August 15, 1902, red, white points; but few bulls his equal anywhere; will exchange one of these for female Shorthorn. A. B. Mull, Iola, Kans.

SHORTHORNS FOR SALE—16 bulls from 8 to 20 months old; also 150 females, and a nice lot of Poland-China boars and sows. Wish to sell at once at farmers prices; breeding first-class, all stock in good health and in good breeding condition. Geo. Channon, Hope, Kans.

FOR SALE—Two registered Shorthorn bulls. For prices address Brookover Bros., Eureka, Kans.

FOR SALE—Registered Hereford bulls, 1 and 2 years old, short legged, heavy fellows, reasonable prices. H. B. Clark, Geneseo, Kans.

FORSALE—My Shorthorn herd bull Meteor 154102, dark red; 4 years old, a fine individual. Also 4 yearling bulls. James Ely, Auine, Kans.

HANDY HERD REGISTER—The improved Handy Herd Book for swine breeders is a record book that every breeder should have. It is perfect, simple, practical and convenient and contains 101 pages or about one cent a litter for keeping the record. The regular price of this handy herd book is $1, but we furnish it in connection with the Kansas Farmer one year for only $1.50

FOR SALE—Registered Aberdeen-Angus cattle, six 2-year-old and 5 yearling bulls, also 25 head of cows and heifers. I am making special prices on account of shortage of pasture. Can ship on three different railways. A. L. Wynkoop. Bendena, Doniphan County, Kans.

FOR SALE—6 good Shorthorn bulls, 3 of them straight Cruickshanks, come and see me. H. W. McAfee, Topeka, Kans.

GALLOWAY CATTLE—Choice young stock of both sexes for sale. W. Guy McCandless, Cottonwood Falls. Kans.

FOR SALE—Choice registered Hereford bulls, 8 to 15 months old. Address, or call on A. Johnson, R. R. 2, Clearwater, Kans.

FOR SALE—Four thoroughbred Shorthorn bulls, color red, from 5 to 24 months old. Also a few thoroughbred cows and heifers. For prices write, J. P. Engel, Alden, Rice Co., Kans.

FOR SALE—Guernsey bulls from best registered stock. J. W. Perkins, 423 Altman Building, Kansas City, Mo.

SWINE.

CHOICE young shorthorn bulls at very low prices; also open or bred gilts, Polands or Durocs. M. C. Hemenway, Hope, Kas.

REPUBLIC COUNTY herd of Poland-Chinas, choice August and September 1903 boars for sale, sired by Moonshine 26959, by Best on Earth 13161, dam Sunshine 54933. Good individuals, nicely marked, one very choice, good enough to head any head; his dam Lady McWilkes 2d 64931. Other good ones. Special offer to make room for spring litters. R. C. B. Leghorn eggs at $1 per 15; $1.50 per 30. For incubator lots write O. B. Smith, Cuba, Republic Co., Kans.

REGISTERED DUROC-JERSEY SWINE—Choice young stock for sale. R. H. Britton, Lebo, Kans.

FOR SALE—Thoroughbred Duroc-Jersey shotes, September farrow. They are good, come and see. H. J. Lane, "Hedgewood" W. 6th St., Topeka, Kans

HORSES AND MULES.

FOR SALE—Black gray Percheron stallion, registered, 3 years old in May, weight 1,700; will make a ton horse Price $600. First check gets him. D. J. Small, Hoyt, Kans.

FOR SALE—For the next 30 days at greatly reduced prices. 20 head of jacks and jennets, all blacks, and all good sizes. Write or see F. W. Poos, Potter, Kans. Barns 3 blocks north of depot.

FOR SALE OR TRADE—For other horses, a dapple gray Norman stallion, weight 1600 pounds. Stormont Bros., Dighton, Kans.

HAVE 16-hand bay standard-bred stallion; would put out on shares in good locality. Write O. P. Updegraff, Topeka, Kans.

FOR SALE—Clydesdale stallion, 5 black jacks, 2 trotting-bred colts. Would trade for Percheron mares. J. C. Strong, Moran, Kans.

FOR SALE OR TRADE—One Percheron stallion, weight 1,700, age 8 years. Address James Haley, Hope, Kans.

FOR SALE—Two black Mammoth jacks, 3 and 5 years old. One black Percheron stallion, 4 years old. E. E. Potter, Sterling, Rice Co., Kans.

FOR SALE OR TRADE.
A black Kentucky jack, 15 hands high; good breeder; cheap for cash or trade for cattle. C. A. Kline, Tecumseh, Kas.

11-WORTH COUNTY JACK FARM—14 jacks and 21 jennets on hand. Write me for prices. O. J. Corson, Route 2. Potter, Kans

FARMS AND RANCHES.

FOR SALE—Cash or payment plan, a very central business property in Topeka, with two story building, 8,000 feet floor space; rents $75 a month. F. J. Brown, 17 Columbian Bldg., Topeka, Kans.

FOR SALE—Two 80's real well improved for $2,000; 160, 6 room house, 1 mile from Florence, $3,200; 320, 5 room house, new, with all outbuildings new, $5,000; 720, rough pasture land, good bluestem-grass, $8.50 per acre. This is but a few of the many bargains that we have; write us for complete description. Garrison & Studebaker, Florence, Kans.

FOR SALE—Either of two good farms in eastern Kansas, one 300 acres, handsome prairie; other 340-acre rich bottom farm, with improvements on high ground, large, substantial buildings, running water, fuel, and tame meadows on each; rural mail and telephone. Either at a bargain until crop season opens. Address Box 189, Garnett, Kans.

FOR SALE—160 acre farm, good improvements, abundant supply of excellent water, close to school, 4 miles to church, post-office and cream station, $1,200 cash. H. V. Gilbert, Wallace, Kans.

120 ACRES, new buildings, Osage Co., $2,600. Bargain. Farm, R. F. D. 2, Williamsburg, Kans.

SEEDS AND PLANTS.

STRAWBERRY PLANTS that will grow and bear for farmers; 200 Warfield, voted best by State Horticultural Society, 100 Splendid, second best, for $1 f. o. b. Other good kinds. A. J. Nicholson, Manhattan, Kans.

STRAWBERRY, blackberry, and raspberry plants of leading varieties for sale. For price list write to Wm. Brown & Son, R. R. 9, Lawrence, Kas.

FOR SALE—Grapevines, rhubarb, gooseberry, blackberry, raspberry, dewberry, and strawberry plants. J. C. Banta, Topeka, Kans.

ALFALFA SEED FOR SALE—Prime $8.50 per bushel. Geo. Buttreall, Wallace, Kans.

FOR SALE—Emmer (Speltz) at 65 cents per bushel. M. W. Axtell, Irving, Kans.

ALFALFA SEED, $8.00 on track an Leoti. J. W. Cook, Leoti, Wichita Co., Kans.

MY ENGLISH BLUE-GRASS SEED for spring sowing is all sold. D. O. Buel, Robinson, Kans.

SWEET POTATO SEED for sale, of the yellow Nansemond and Early Golden varieties, at 2¼ cents per pound for Nansemond and 2½ cents per pound for Early Golden f. o. b. Also plants in their season; cash with order. Address I. P. Myers, Hayesville, Kans.

GERMAN MILLET, Orange and Amber-cane, White Kaffir seeds for sale. These seeds are choice, recleaned and fanned. Write for prices and sample. Prices right. Adams & Walton, Osage City, Kans.

75 BUSHELS OF ALFALFA SEED FOR SALE—Will sell all or any amount for $8 a bushel. Seed is clean and as fine as any raised last season. H. S. Durrett, M. D., Wallace, Kans.

EXCELLENT WHITE WONDER SEED CORN in ear, sacked and delivered at station, $1.50 per bushel. S. M. Losey, Richland, Kans.

SEED CORN—Extra good St. Charles White, $1.50 per bushel, shelled or in ear, f. o. b. J. B. Herrington, R. R. 11, Silver Lake, Kans.

TESTED SEED-CORN—Free sample and circular telling how I breed the best corn grown. Also 30 choice large heavy boned Barred Plymouth cockerels. John D. Ziller, Hiawatha, Kans.

SPELTZ FOR SALE—60 cents per bushel, f. o. b. Cash with order. Wheeler & Baldwin, Delphos, Ks

WANTED at Willis Nurseries, Ottawa, Kansas, customers for the best selected lot of nursery stock in the West. Catalogue free on application.

POULTRY.

EGGS FOR HATCHING—From my "Superior Winter Laying Strain" of Barred Plymouth Rocks, noted for size and quality. Fifteen years careful exclusive breeding. 15 eggs $1; 30 eggs $1.50. E. J. Evans, Box 21, Fort Scott, Kans.

BARRED PLYMOUTH ROCKS—Eggs for hatching, $1.00 for 15, $2.00 for 50. Large farm raised fowls, good winter layers, eggs guaranteed fresh. A. F. Huse. Manhattan, Riley Co., Kans.

EGGS FOR HATCHING: S. C. B. Leghorn Eggs from best laying strains, $1.00 for 15. Mrs. J. J. Corbett, 824 Buchanan St., Topeka, Kans.

BLACK LANGSHANS, bigger and better, if possible, than last year's stock, 26 eggs $1.00. Mary McCaul, Elk City, Kans.

15 BARRED PLYMOUTH ROCK Eggs for $2.00. 45 for $5.00. Pullets $2 00 each. A. L. Wynkoop. Bendena, Kans.

BLACK LANGSHAN eggs, $2 00 per 15 from scored hens, and $1.00 per 15 from unscored hens. Mrs. Geo. W. King, Solomon, Kans.

WHITE PLYMOUTH ROCKS—Empire strain exclusively, for sale. Eggs from large, prolific, early maturing birds—score 93½ and up. Fertility guaranteed. Infertile eggs replaced free of charge. Eggs 15 for $2; 30 for $3. R. J. Barnett, Manhattan, Kans.

MISCELLANEOUS.

WANTED—Agents to sell OSGOOD SCALES. Good side line with implements, mill supplies, nursery stock, etc. Liberal contract, no expense. Act quick. Osgood Scale Co., 47 Central St., Binghamton, N. Y.

WANTED—Man for choreman, his wife for kitchen. Reference required. J. H. Taylor, R. F. D., Chapman, Kans.

STOCK WANTED ON SHARES—We will pasture, feed and breed Angora goats, cattle or mares, for one-half the increase and clip. We have 2,500 acres good grass land, good water. 200 acres cultivated for winter forage. Three year contract. Investigate. Clyde Curlee, Sec., Lucerne, Woodward Co., Okla.

WANTED—To sell or trade for any kind of stock, one 600-pound capacity Sharples separator, almost new. L. A. Abbott, R. R. 1, Wamego, Kansas.

WANTED—Men in every State to travel and leave samples at stores; salary $60 per month; expenses advanced. RELIABLE MFG. CO. Dept. T, 417 Dearborn St. Chicago. Ill.

VIEWS OF TOPEKA FLOOD—Having purchased the balance of the edition of the "Views of Topeka Flood" of which many thousand sold at 25 cents each, we are prepared until the supply is exhausted to send them prepaid to any address on receipt of 10 cents. Address, Kansas Farmer Co., Topeka, Kans.

PALATKA—For reliable information, booklets, and other literature, address Board of Trade, Palatka, Florida.

PATENTS.

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

The Stray List

Week Ending March 10.

Crawford County—John Viets, Clerk.

HEIFER—Taken up by Frank Wade, in Washington tp., (P. O. Yale, Kans.), Feb. 26, 1904, one 3-year-old, red and white spotted heifer; valued at $14.

Week Ending March 24.

Phillip County—J. F. Rambo, Clerk.

COW—Taken up by M. L. Herbage, in Arcade tp., Jan. 10, 1904 one small roan with Hereford markings, weight 800 pounds; valued at $23.

Wichita County—P. M. Reinheimer, Clerk.

HORSES—Taken up by Elsie Forbes, in Leoti tp., October 12, 1903. one 2 year-old gray horse; one 1-year-old gray mare; one 2-year-old bay horse; one 1-year-old bay mare; one 2-year-old black mare; also one 7-year old brown pony, mare, branded with anchor on left shoulder; total value $100.

DUROC-JERSEY SWINE.

D. M. TROTT ABILENE, KAS., famous Duroc-Jerseys, Poland-Chinas.

COUNTY SEAT HERD DUROC-JERSEY SWINE, Geo. Briggs & Son, Clay Center, Neb. Annual sale of bred sows February 18, 1904.

Registered Stock. **DUROC-JERSEYS**, contains breeders of the leading strains.
N. B. SAWYER, CHERRYVALE, KANSAS.

DUROC-JERSEYS—Large boned and long bodied kind. A lot of fine fall pigs for sale. Prices reasonable. E. S. COWEE,
R. F. D 1, CARBONDALE, KANSAS.

DUROC-JERSEY SWINE
CHOICE PIGS FOR SALE. ADDRESS
G. W. BAILEY, BEATTIE, KANSAS.

C. H. SEARLE Edgar, Neb. || **DUROC-JERSEY HOGS** B. P. Rock Fowls.

DUROC-JERSEY SWINE
Prize-winning strains. Bred gilts all sold. A few fall pigs, choice ones, for sale.
F. L. McClelland, R. 1, Berryton, Kans.

FAIRVIEW HERD DUROC-JERSEYS
Two grand herd boars for sale at reasonable prices, if taken soon. Young stock all sold
J. B. DAVIS, Fairview, Brown Co., Kans.

DUROC-JERSEY BOARS.
A choice lot of young boars of August, September, and October farrow from prize-winning sows in one of the strongest Kansas rings in 1903, weigh from 80 to 160 pounds, big litters, strong individuals with good feet. Write at once for bargains.
J. F. STAADT, Pomona, Kans.

RECORDED DUROC-JERSEYS
Choice lot of fall pigs, out of large, prolific sows, for sale. Spring gilts and boars all sold.
L. L. VROOMAN,
Hope, Kans.

OSAGE VALLEY HERD
DUROC-JERSEYS
Some Choice Fall Pigs and 15 S. C. Brown Leghorn Cockerels for sale at Prices to Move Them.
A. G. DORR, Osage City, Kas.

A FEW DUROC-JERSEYS LEFT
March and April pigs, both sexes. Forty early fall pigs by Price 17790, first prize at Ottawa Fair 1903. Also 80 B. P. Rock cockerels.
L. A. KEELER, Route 7, Ottawa, Kans.

Rockdale Herd of Duroc-Jersey Swine.
I have at present 40 head of bred gilts I am pricing at $20 and $25 to close them out Also 60 head of fall pigs I am offering very cheap. Prize-winning strains. Inspection invited. Rural Route and telephone.
J. F. CHANDLER, Frankfort, Kans.

SOLOMON VALLEY HERD
Duroc - Jersey Swine.
Young stock of both sexes always for sale. Visitors always welcome. Write me.
W. F. GARRETT, Box 210, Portis, Kans.

Duroc - Jerseys
See our handsome heavy-boned daughters of Red Duke 2d 18663, and
Bred to Gold Dust 2d 20401
for spring farrow. Also a grand lot of fall pigs at farmers' prices.
Address
BUCHANAN STOCK FARM,
Sedalia, Mo.

POLAND-CHINA SWINE.

FOR SALE Poland-China Hogs, Holstein-Friesian Cattle; either sex. Best strains represented. H. N. HOLDEMAN, Rural Route No. 2, GIRARD, KANSAS.

Kansas Herd of Poland-Chinas
I now offer for sale, Proud Kansan, he by U. S. Perfection, by a son of Mischief Maker and a son of Ideal Sunshine.
F. P. MAGUIRE, HUTCHINSON, KANSAS.

Pecan Herd of Poland-Chinas
Model Tecumseh 64133, American Royal (S) 30783, and Best Perfection 81507 at head of herd. Write us your wants. J. N. WOODS & SON,
Route 1, Ottawa, Kans.

Mains' Herd of Poland-Chinas
Up-to-date breeding. Will sell one Chief Perfection 2d herd-boar. After Dec. 1 will sell a few herd-sows and a fine lot of fall pigs. Write for what you want.
JAMES MAINS, Oskaloosa, Jefferson Co., Kans.

VERDIGRIS VALLEY HERD Poland-Chinas
Contains as good or better individuals and finer breeding than ever. I breed for large size and heavy bone combined, with quality and finish and strong constitutions. For Sale—Some first-class August and September pigs and a grand, good yearling boar.
E. E. WAIT, Altoona, Wilson County, Kas.

SHADY BROOK STOCK FARM
POLAND-CHINAS
I keep constantly on hand all sizes and ages of high-class Poland-China pigs. Quality high, prices low. Write for description and price to
H. W. CHENEY, NORTH TOPEKA, KANSAS.

POLAND-CHINA SWINE.

SHADY NOOK HERD
Poland-Chinas. Up-to date breeding. Correspondence solicited Inspection invited.
Wm. Plummer, Barclay, Kans.

CLEAR CREEK HERD of POLAND-CHINAS
A few more Choice Young Boars ready for service at Reduced Prices until March 1st. Gilts all sold. Please mention this paper.
E. P. SHERMAN, Wilder, Kans.

RICHLAND Poland-China Herd — Headed by Prince Henry 66955 and Black Chief Perfection 80567; dams, Big Bone Beauty 178492, Richland J. P. Best 178498 and others of the Patchen-Perfection-I Know strains of best Poland-China blood; my hogs have been bred for good length and size, with extra good bone, yet true to best Poland-China type; a few bred sows and gilts for sale. Write D. C. Van Nice, Richland, Kas.

Perfection Herd of
POLAND CHINAS.
I have at present some choice boars that are good enough for the best of company; also some choice brood sows, bred to choice Perfection boars, such as Royal Perfection 32582 and Rival Perfection. None but choice stock shipped.
S. H. LENHERT, Hope, Kans.

HIGHLAND FARM HERD OF PEDIGREED
POLAND-CHINAS
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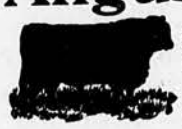
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St. Paul, Minnesota. COLUMBUS, OHIO. Kansas City, Missouri.

HORSES.

IAMS' STUD

Hello! Mr. Stallion Buyer! **"Get next to Iams."** He has his competitors and buyers on the run. They are all headed for **Iams' barns.** His **"Swell Black Boys"** please all horsemen. Iams' stallions are sure **"peaches and cream."** **Iams hypnotizes** his many buyers with "sensational" stallions and **"live and let live prices."** Owing to bad crops in France, Iams bought his horses at **ruinously** low prices for **spot cash.**

If you will visit Iams and pay cash or give a bankable note, you will sure buy a stallion, as Iams sells **them** and all must **positively** be sold. Iams stallions won the **sweepstakes and first prizes** in their classes at Nebraska 1903 State Fair. (Had a walk-awsy). Then **Iams** kept out of **show-ring** his **largest** and **choicest** two-, three- and four-year-olds. Showed none of his **special train** of 100 stallions received August 23, 1903. They are all in the pink of condition. He has Gold Medal winners from **France, Belgium,** and **Germany** at **50 cents on the dollar.** They are all

HERD HEADERS

Visitors and **buyers** throng his barn and say: Hello! **I'm Ely from** Mo. Say, **Iams has the best horse-show I ever saw.** Yes see those four 2000-lb. two-year olds. **Iams is a hot advertiser,** but he has horses **better** than he advertises. **Hello Mr.!** I'm from Ia. **Say,** this is **the best string of stallions I ever saw.** They are sure **peaches and cream.** See those six 2200-lb. three-year-olds—all alike too. **Zeke,** they are sure **"the wide-as-a-wagon" sort. "Mother,** look, this is **Iams' great show of horses.** His horses are all black and big ton fellows. **He always has the best.** Samanthy' here is **Iams' show herd. Everybody wants to see his horses.** We came from California to see **Iams' 5100-lb. pair of stallions. That's them; better than the pictures.** They are the greatest pair in the U. S. Yes, and **worth going 2,000 miles to see. Hello Louie,** here is **Iams' 2400-lb. sweepstakes Percheron stallion over all.** He is a "Hummer!" Say, **"Doc!" I don't wonder at his competitors wanting this horse barred** out of the show-ring. He is a **sure winner anywhere. Iams'** always has **good ones** and in shape. **Hello Bob;** see those Ill., men buying that 2,200-lb three-year-old, a "topnotcher" at $1,200—much better than twenty of my neighbors gave $4,000 for. **Kitty,** see these fine coachers of Iams'. **Georgie, dear, they are lovely;** they can look into the second story window. They step high, like "whirlwinds". Yes, **Kitty, Iams has more registered draft and coach stallions than any man in the U. S.,** and all **good ones. Georgie, dear,** buy your next stallion of **Iams.** His horses are much **better** than the one you paid those **Ohio men $4,000 for,** and **Iams** only asks **$1,000 and $1,500** for "toppers." **Iams** has reserved for spring trade

117--BLACK PERCHERONS, BELGIANS AND COACHERS--117

90 per cent blacks; 50 per cent ton horses—**Iams** speaks the languages, buys **direct** from breeders, pays no **buyer, salesman** or **interpreters.** Has no **three** to **ten men** as partners to share profits with. His **twenty-two years successful business makes him** a safe man to do business with. **Iams** guarantees to sell you a **better stallion** at **$1,000** and **$1,400** than are being sold to stock companies for $2,500 to $4,000 by **slick salesmen,** or pay your fare and **$25 per day for trouble** to see them, you the judge. **Iams pays horses'** freight and buyers' fare, gives 60 per cent breeding guarantee. Write for **eye opener** and **finest catalog on earth.** References: St. Paul State Bank, First State Bank, and Citizens National Bank.

FRANK IAMS,

ST. PAUL, NEBRASKA.

LAFAYETTE STOCK FARM

LaFayette, Indiana.

Largest Importers in America of the German Coach, Percheron and Belgian Stallions. Our last Importation of 100 head arrived July 10, making three importations in 1903. We have won more prizes in 1902 and 1903 than all others combined. We have won every championship prize in coachers and drafters shown for.

Notwithstanding the fact that we have the prize-winners of America, we will sell as low as others that have inferior quality. We keep on hand a large number at our branch at Sedalia, Mo., and can suit any Western buyer there. We give a gilt edge guarantee on every horse that we sell and make terms to suit the buyer.

Western Branch, Sedalia, Mo. J. CROUCH & SON, Props., Lafayette, Ind.

SHIRES! SHIRES!

HEFNER HAS

10 Shire and Hackney Horses

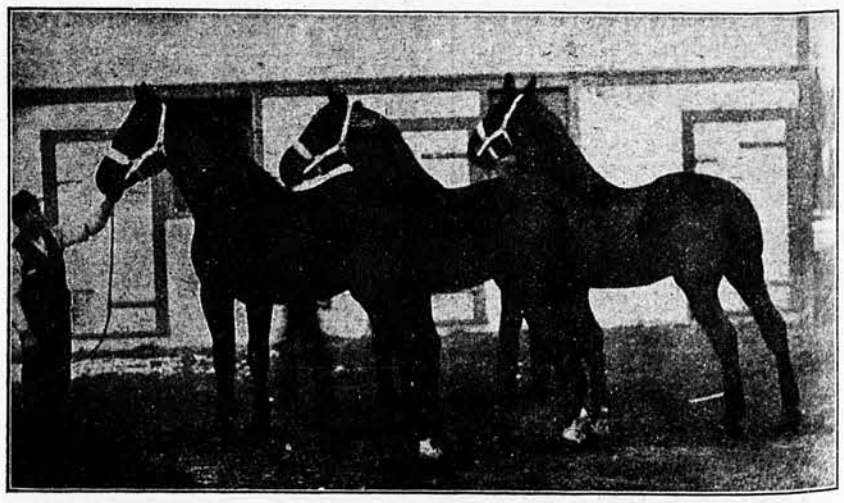
On hand of last year's importation which he will sell on the following terms

One-half cash or bankable paper due n one year, with interest. Other half **due when horse has earned it.** You settle for one-half the horse only; the other half must run until the horse earns it. Just the terms you want. I mean to dispose of these horses at once to make room for October importation and I know the wide-awake buyers will be promptly on hand, as these horses are sure to suit. They are heavy-boned, massive, shapely horses, with two good ends and a good middle. Best of feet and action. These are 1,800- to 1,950-pound horses, each and every one fully guaranteed a sure foal-getter. **Remember, you take no possible chances when you deal with Hefner.** My terms should convince you that my horses are certainly right in every particular. I know they will suit you. These are 30 per cent better than "Top-Notchers," and just the sort "peddlers" are selling at $3,000 to stock companies. Form your own stock company and come buy one of these grand Shires for your own use. I know my horses are the genuine, honest, reliable sort and cannot fail to please you and give the most satisfactory results; hence these unheard of terms. Write for information. Do so immediately, as these horses will soon go on these terms and prices.

O. O. HEFNER, Nebraska City, Nebraska.

THE LINCOLN IMPORTING HORSE COMPANY,

A. L. SULLIVAN, Mgr., Lincoln, Neb.



This picture is a simple photograph and fails to do our Coach Stallions justice. Remember, it is not a sketch or a painting of an artist's imagination. In addition to our large string of German Coach stallions, we have a grand lot of Percherons, French Draft, Belgians, and English Shires—the greatest variety, the greatest in number. Quality, size, and grandness unequaled in all the West. Over 50 head to select from.

HORSES.

SPRINGER & STUBBS

The Leading Importers of French Draft, Belgian Draft and OLDENBURG

COACH HORSES

Have had twenty years' experience in the importing of horses in Iowa and Illinois. Now permanently located at the **Denver Union Stock Yards,** where we are always prepared to show the finest specimens of the breeds we import. Every animal selected by us personally, for his breeding and individual merit. Our Royal Belgian Stallions are the old Flemish Stock. Our French Draft Stallions are the best that can be found and our Oldenburg Stallions are genuine, all from that German Duchy, so long famous for its Coach horses. We buy Coachers in no other part of Germany. Correspondence solicited. Visitors always welcome.

Oldenburg Stallion-LANDESSOHN

SPRINGER & STUBBS, Union Stock Yards, DENVER, COLO.

Percheron and French Draft Horses.

We guarantee to show more bone, size and quality than any other firm in the United States. Samson, (Percheron 27238 and French Draft 6866) at head of stud. His present weight is 2,464 pounds. We can suit any man who wants first-class, up-to-date, stallions or mares.

Local and long distance phones.

PINE RIDGE STOCK FARM,

L. M. HARTLEY, Salem, Iowa.

PUBLIC SALE

High-Grade Percheron Horses--Registered Shorthorn Bulls

Lyons, Kansas, March 31, 1904

Sale Held at my farm

8 miles N. E. of Lyons, Rice Co., Kans.,

Beginning at 10 o'clock a. m.

The Percheron offering consists of five brood mares, from 3 to 12 years old, weighing from 1,200 to 1,650 pounds, and are half-blood to fifteen-sixteenths Percheron; all safely in foal to an imported Percheron horse; good colors; guaranteed workers; seven head of 3-year-old fillies, weighing from 1,100 to 1,300 pounds, half-blood to fifteen-sixteenths Percheron blood; sound and free from wire cuts; two 2-year-old mares; five 2-year-old geldings; four roadster-bred mares, 2 to 6 years old, and 10 head of weanling colts, four mares and six horse colts, half-blood to fifteen-sixteenths Percheron. One seal-brown stud colt, 3 years old in May, weight 1,700 pounds; absolutely sound; a fine colt and a money-maker; he is three-fourths Percheron and one-fourth Cleveland Bay. One bay stud colt, weighing 1,400 pounds, half Clyde and half Percheron, very heavy boned and absolutely sound. One steel-gray stud colt, 2 years old, weight 1,350 pounds, three-fourths Percheron; very high-headed and heavy-boned. One black stud colt, 2 years old, weight 1,300 pounds; very stylish. One blood bay stud colt, 16 months old, full brother to the seal-brown colt, 1,100 pounds. All these stud colts are sound and right.

I will also sell four registered Shorthorn bulls—Mark Hanna 127532, one of the best herd bulls in central Kansas; Prince of Fashion, 17 months old, solid red; Zenith, 16 months old, red, little white; Buccaneer 2d, red, little white. The younger bulls are sired by Mark Hanna and are very choice animals, blocky, deep flesh and in good condition for strong service.

For further information address the owner,

W. H. Hopkins, E. E. Potter. } Auctioneers

F. H. FOSTER, Route 6, Lyons, Kans.

R. E. EDMONSON,

Live Stock Auctioneer.

Experience, earnestness, and a general, practical knowledge of the business, are my principal reasons for soliciting your patronage. Write before fixing dates.
452 Sheidley Bldg, Kansas City, Mo.

WHEN WRITING OUR ADVERTISERS PLEASE MENTION THIS PAPER.

GREAT SALE OF

Standard-Bred and Trotting-Bred Horses

50---HEAD TROTTING-BRED HORSES---50

20 head of mares and geldings 4 years old and over, high actors, high hookers, all good roadsters and some very speedy, incluring pair bay geldings, 16½ hands high, 6 years old, pair bay geldings 15½ hands, 5 years old, pair bays, 15 hands, 5 years old, well matched; 30 colts, fillies and brood mares.

At the Home of Dr. Cox 2:20, Son of Domineer 2:13¼,

Lake Park Farm, Wed., Apr. 13, 1904

T. K. LISLE & CO.,

Col. R. L. Harriman, Col. W. D. Ross, } Auc's.

Butler, Missouri

PUBLIC SALE.

The undersigned will sell at public auction on

Thursday March 31,

Two miles northwest of Woodbine at H. W. Mitsch's farm the following personal property, to-wit:

38 Registered Hereford Cattle

Consisting of 24 cows from three to ten years old, 2 two-year-old heifers, 2 coming one-year-old heifers, and 11 bulls from six months to two years old.

10 head of horses and mules. 6 milch cows. 14 brood sows; the sows are to come in during April and May.

100 chickens most of which are Rose Comb White Leghorns.

Farn implements consisting of lumber. feed and spring wagons, plows, cultivators, disc-drill, disc-harrow, McCormick mower. Also household goods and other articles too numerous to mention.

Free Lunch at noon. Sale begins 9 a. m. sharp.

TERMS:—A credit of six months will be given on notes with approved security. with interest at 10 per cent. from date. If paid when due only six per cent. will be charged 2 per cent off for cash. All registered stock cash without discount unless other arrangements are made before sale.

SAMUEL and H. W. MITSCH, Proprietors.

S. L. BOOK, Clerk. J. N. BURTON, Auctioneer.

WHEN WRITING OUR ADVERTISERS PLEASE MENTION THIS PAPER.

PUBLIC SALE

125 Registered Herefords

At Scott & March's Sale Pavilion,

Belton, Mo., Wednesday and Thursday, April 6-7.

This annual offering comprises 75 HEIFERS and 50 BULLS, ranging in ages from 12 to 30 months old. The Herefords are all of our own breeding, and are the BEST LOT OF CATTLE WE HAVE OFFERED AT PUBLIC AUCTION. Sale will begin at 1 o'clock p. m., Wednesday, April 6. Ample accommodations for all visitors.

☞Parties buying as many as 15 head, or car-lots, will have the freight paid by us to single destination, to any point in the U. S. For catalogue or further information address

SCOTT & MARCH, Belton, Missouri.

AUCTIONEERS—Cols. Edmonson, Jones and Burger.

Fight Fire With Fire

FIGHT

NATURE'S DECAY WITH NATURE'S REMEDY!. Follow the example of the plainsmen and use the **weapons which nature has placed in your hands!** You can not sweep back the tide with a **BROOM,** you wouldn't try, nor should you try to resist, to **sweep back disease** with a bottle of alcohol and sarsaparilla or a package of senna and straw. If your house were burning, you would not fight the flames with a bottle of Eau de Cologne, and when **YOUR INTERNAL HOUSE,** the dwelling place of your life, **your vitality,** is burning and being destroyed by the ravages of wasting, insidious diseases, it is just as foolhardy to attempt to check the flames, to stop the destruction, with a sweet-tasting sweet-smelling pill, tablet or compound made to sell and to sell only.

Nature has provided a cure for your ills, has combined the subtle elements of **IRON, SULPHUR AND MAGNESIUM,** elements which are to the fires of disease in the system as is the fireman's hose to the burning building, and combined them in a manner of her own which man's inventive and creative genius has been unable to duplicate or counterfeit. She placed it in the ground where it was found, for what purpose, if not to **relieve and cure the ills of mankind?**

You can test it, **can judge for yourself,** and it will not cost you a cent to do it. It is different from all others and can be offeredin a different way, a way that "sellers of medicines" dare not duplicate. If you are sick and tired of quacks, sick of dosing yourself day after day with each sunrise finding **no change in your condition,** if you are sick of being imposed upon, try this **natural curing and healing ore. IT WILL NOT FAIL YOU!** Read our special offer.

THE TEST

OF MERIT

IS NOT IN WORDS, BUT IN

RESULTS

GAINED IN ACTUAL USE; IN THE CURES MADE; THE MIRACLES WROUGHT.

PROVED

By the Testimony of the Rev. John Fuchs, the well-known Indiana Minister. Read what he says:

I was afflicted with rheumatism for many years, the attacks being especially strong during last winter. I could not sleep nights on account of the pain, which centered in my back and left leg. My nervous system was also so affected that when I shaved myself I had to support the right hand with the left one. The doctors who treated me said they could not help me, as I was 87 years old and my system, according to them, was entirely worn out. I doctored with so many kinds of medicine that I had a small drug store at home, but nothing helped me. I had new hopes, as summer approached, that the warm weather would bring me relief, but this hope was not gratified, as I grew no better. Then I gave up all thought of a cure, thinking that the doctors were right and that nothing could help me.

One day I read the VITAE-ORE advertisement in our leading church paper, and sent for a package on trial as advertised. After five days I remitted the dollar for the treatment, as it had, in that short time, done me so much good that I was entirely willing to pay the money. After using two packages I was entirely cured of the Rheumatism, and my nervous system is now so wonderfully improved and strengthened that I can work with as much force and vigor as I could twenty or twenty-five years ago. VITAE-ORE has caused an entire change in my system, seeming to make a new man of me. I wanted to wait with my report until I was fully convinced that the benefit is entire and permanent, and I write at this time without the least inducement from the Theo. Noel Company, merely through appreciation toward God and the wonderful VITAE-ORE medicine, as well as the advertisement in our church paper. I hope that VITAE-ORE will continue to be a blessing to all mankind.

REV. JOHN FUCHS, Terre Haute, Ind.

Thousands say as he does.—Hundreds of the readers of this paper who have tested it say "It is all true history." Don't you want to be one of them?"

You Are to Be the Judge

WE WILL SEND TO ALL

Subscribers or readers of the Kansas Farmer a full sized $1.00 package of VITAE-ORE by mail, POSTPAID, sufficient for one month's treatment, to be paid for within one month's time after receipt, if the receiver can truthfully say that its use has done him or her good good than all the drugs and doses of quacks or good doctors or patent medicines he or she has ever used. Read this over again carefully, and understand that we ask our pay only when it has done you good, and not before. If not, no money is wanted! **We take all the risk; you have nothing to lose.** If it does not benefit you, you pay us nothing. We give you thirty days' time to try the medicine, thirty days to see results before you need pay us one cent, and you do not pay the one cent unless you do see the results. **You are to be the judge!** We know Vitæ-Ore and are willing to take the risk.

Vitae-Ore is a natural, hard, adamantine, rock-like substance-mineral—ORE—mined from the ground like gold and silver in the neighborhood of a once powerful but now extinct mineral spring. It requires twenty years for oxidization by exposure to the air, when it slacks down like lime and is then of medicinal value. It contains free iron, free sulphur, and free magnesium, three properties which are most essential for the retention of health in the human system, and one package—one ounce—of the ORE, when mixed with a quart of water, will equal in medicinal strength and curative value 800 gallons of the most powerful mineral water drank fresh from the springs. It is a geological discovery, in which there is nothing added or taken from. It is the marvel of the century for curing such diseases as

Rheumatism, Bright's Disease, Blood Poisoning, Heart Trouble, Dropsy, Catarrh, and Throat Affections, Liver, Kidney and Bladder Ailments, Stomach and Female Disorders: LaGrippe, Malarial Fever, Nervous Prostration and General Debility.

as thousands testify, and as no one, answering this, writing for a package, will deny after using. VITAE-ORE has cured more chronic, obstinate, pronounced incurable cases, than any other known medicine and will reach such cases with a more rapid and powerful curative action than any medicine, combination of medicines, or doctors' prescriptions which it is possible to procure.

Vitae-Ore will do the same for you, as it has for hundred of readers of the Kansas Farmer, if you will give it a trial. Send for a $1.00 package at our risk. You have nothing to lose but the stamp to answer this announcement. We want no one's money whom Vitae-Ore can not benefit. You are to be the judge! Can anything be more fair? What sensible person, no matter how prejudiced he or she may be, who desires a cure and is willing to pay for it, would hesitate to try Vitae-Ore on this liberal offer? One package is usually sufficient to cure ordinary cases; two or three for chronic, obstinate cases. We mean just what we say in this announcement, and will do just as we agree. Write to-day for a package at our risk and expense, giving age and ailments, and mention Kansas Farmer, so we may know that you are entitled to this liberal offer.

GOOD EXTERNALLY ALSO Although Vitae-Ore is intended primarily to be taken into the system through the Stomach and thereafter by a natural process absorbed into the blood, the vehicle which conveys its curative properties to all parts of the body, it possesses qualities characteristic of it exclusively which render it wonderfully effective as an external application, direct to the seat of the affliction, in certain disorders. In Throat Troubles, when it is used externally as a spray, gargle or swab, according to the printed directions which accompany the Ore, the Elixir comes into direct contact with the diseased and inflamed membrane, right to the base of the trouble, and need not be first assimilated with the blood, as is the case in organic disorders. It is this peculiar property which has made it such a powerful specific for Diphtheria, that worst of all throat troubles, and explains how a remedy which will cure Rheumatism can also vanquish this dread disorder, as has been frequently asked. In cases of Piles, the V.-O. Elixir, applied full strength to the affected parts, exerts a natural astringent effect, which, in cooperation with the remedial action secured by its internal use at the same time brings about a cure in short order and we have no hesitation in matching it against any remedy or combination of remedies advertised exclusively for the cure of this trouble.

Particularly in Eczema, Salt Rheum, Acne and all Skin Disorders, as well as old Sores and Ulcers, its value used externally as well as internally is speedily demonstrated, and more quickly than any other loction or preparation that can be used. A complete and permanent cure in these cases is of course dependent upon a thorough and radical cleansing of the blood, for which purpose there is nothing equal to Vitae-Ore internally, but a few applications of the Elixir, externally, full strength, have been known in thousands of cases to accomplish what weeks of other treatments could not, and, followed by its intelligent use internally, so purified and enriched the blood as to make a return of the condition impossible. No person suffering from any Eczematous affection or skin disease should hesitate for one moment in giving Vitae-Ore a trial, and all will find that its merit has in no wise been exaggerated. Vitae-Ore, internally and externally, in cases where the trouble is externally manifested, forms an irresistible combination and acknowledged specific that need only be used by such sufferers to be immediately appreciated.

Cured the Doctor of Bright's Disease – Read What He Says:

Minneapolis, Kans.
I have used Vitae-Ore personally for some time. I was troubled with Bright's Disease, my feet being so swollen at times that I could not wear my shoes, complicated with astralgia (pains in the lower part of the abdomen). All of this has left me, I using nothing but the Vitae-Ore. I will say further that I have used this remedy in my practice with a degree of success that I have never attained with any other remedy, and I shall continue to use it as long as I can procure it. G. W. SMITH, M. D.

NOT A PENNY UNLESS BENEFITED

This offer will challenge the attention and consideration, and afterward the gratitude of every living person who desires better health or who suffers pains, ills and diseases which have defied the medical world and grown worse with age. We care not for your skepticism, but ask only your investigation, and at our expense, regardless of what ills you have, by sending to us for a package. ADDRESS

Theo. Noel Company, A. F. Dept., Vitae-Ore Bldg., Chicago, Ill.