

April 28 is Locking



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**KANSAS FARMER.**

Established in 1863.

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KANSAS FARMER CO.,  
116 West Sixth Ave., Topeka, Kans.**Table of Contents**

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Orders have been issued by the Santa Fe for the restoration of the return-pass system for attendants who have accompanied stock to the markets.

Communications as they appear in the KANSAS FARMER may be signed "Interested Reader," or in any way de-

sired by the writers, but unless the real name of the writer accompany an article it is given only waste-basket consideration.

One of the prettiest of the railroad publications is "Wonderland, 1904," illustrating and describing the remarkable country traversed by the Northern Pacific Railway. It is sent to any address for six cents, the amount of postage required to carry it. Address Chas. S. Fee, General Passenger and Ticket Agent, St. Paul, Minn.

The board of trustees of the Iowa State College have granted Prof. W. J. Kennedy a year's leave of absence to study European methods of live-stock breeding and feeding. He will sail for Liverpool about the middle of May. While gone he will visit England, Scotland, Ireland, Channel Islands, France, Germany, Switzerland, Holland, and Denmark. He will make some special investigation for the United States Department of Agriculture along certain lines. The results of his findings will be reported in a special report upon his return.

The Kansas Bankers' Association will hold its seventeenth annual meeting at Wichita on Tuesday, Wednesday, and Thursday, May 17, 18, and 19. The program for the meeting is just received and is a very handsome one, containing a lot of timely topics assigned to strong men for discussion. As a matter of course most of the topics are in direct line with the daily business of the members, but a number of interesting and valuable subjects have been named which indicates that the bankers are alive to the general welfare of the State and take a keen interest in other matters that are of general importance to her prosperity. This great gathering of representatives of one of the most powerful interests of the State will result in an intellectual feast to interested visitors although they may not be directly engaged in banking. Elaborate preparations have been made for the entertainment of the guests, and these include a banquet at the Masonic Temple on the last evening of the session.

**THE THRASHERMEN'S MEETING.**

On Wednesday and Thursday, April 27 and 28, Wichita again donned her "glad rags" to welcome the visiting thrashermen who assembled there in their annual convention. The city was filled with visiting thrashermen from Kansas, Oklahoma, Missouri, and Nebraska and the pink badges of the convention were plentiful on the street. With her usual hospitality, Wichita had preparations for the entertainment of her guests. Wednesday evening, after a day spent in inspecting twenty-five or more different makes of machines, the visitors were assembled in the Toler Auditorium for a smoker provided by the Commercial Club. Here they listened to the addresses of welcome and other speeches. Thursday was occupied with sessions of the convention, the further inspection of machines and the grand parade of machines held in the afternoon. Machines were stationed and in operation

at many different points in the city and numerous others were on the flat cars in the railroad yards where they were steamed up and operated without being unloaded. One firm had a train-load of twenty-nine cars of separators whose destination was Oklahoma, but were side-tracked for exhibition at this meeting. The large implement houses in the city were handsomely decorated in honor of the occasion and the visitors doubtless appreciated to the full the efforts put forth by the "Peerless Princess" for their entertainment.

**THE SANTA FE LOCKOUT.**

The machinists of the Santa Fe shops at various places, received telegraphic orders from the headquarters of the Machinists' Union at Washington, D. C., to go on strike at 9 o'clock Monday morning, May 2. The officers of the company forestalled this action by closing the shops early in the morning. Most of the workers knew nothing of the order from Washington, and appeared at the shops at the usual hour, to find the gates closed and guarded.

The history of the case is too long to be recounted here. The editor has read both sides of the contention as they have been given in the Topeka papers up to the time of going to press. So far as appears, the action of the union is exceedingly arbitrary. Its contention seems to be for the adoption of a lot of shop rules which would to a considerable extent take the management of the shops out of the hands of the owners and place it in the hands of the union and prevent the employment of other than union machinists. It is difficult to conceive of the successful management of any large undertaking under the rules for the adoption of which the machinists were ordered to strike. Certainly the added expense of the shop work would be very great.

The machinists' agitators claim to be prepared for a long contest. The Santa Fe announces readiness to continue the employment of the men if they come in soon, otherwise that it has others ready to take their places.

**THE FOLLY OF FADS.**

One of the recent fads which ran its course like a contagious disease had for its excuse the innocent rabbit. This fad was much more severely felt in town than in country, and it was worse in the larger than in the smaller towns. Men would pay as high as \$1,500 for a single specimen of Belgian hare and would estimate their wealth by the possibilities of increase of numbers of this prolific species of rabbit. Business men sold their stocks and relinquished the prosperity of a lifetime to engage in the rabbit business. Figuring the increase by geometric progression is the favorite method of the promoter of a fad. By this method it was easy to build castles of gold and adorn them with diamonds in the Belgian hare business. It might have occurred to them that pigs, figured in the same way, present most attractive possibilities.

But the signs of the rabbitries have

disappeared and there are men and women in many communities who ought to be wiser.

A fad which has been the subject of vigorous promotion for several years and which presents indications of a probable "run" is the ginseng fad. Ginseng is a plant which has grown wild in many countries, including the United States. It has, or is supposed to have, mild medicinal properties. The demand for it is chiefly in China. The roots occasionally present some resemblance in form to that of the human body. Those having the most striking resemblance to this form command the highest prices.

The native supplies are about exhausted so that future demands must be supplied by gardeners. Seeds are scarce and their propagation is somewhat difficult. The high prices paid in China for choice specimens have given the geometrical progression mathematicians a fine opportunity to figure the prospective ginseng-grower into stupendous wealth. With the true instinct of the genuine promoter, attention is speedily directed to the details of the business without losing sight of the fortunes to be made; so that the enterprise assumes the appearance of a practical industry whose first and best fruits are to be gathered by those who first engage in it.

If any reader of the KANSAS FARMER has been confused by these glittering representations, let him pause long enough to apply the geometrical progression method to common field-corn. Thus, the promoter of a corn-craze might say: "The ear of corn proceeds from a single grain. An ear of corn may easily contain 1,000 or more grains. Each of these 1,000 grains is capable of producing another ear so that the produce of the second year should be 1,000,000 grains. Applying the computation still further, the third year should produce 1,000,000,000 grains; the fourth year 1,000,000,000,000 grains and so forth." Or, to give the computation a form more readily represented in dollars and cents, the promoter might say: "If the grain of corn be planted in fertile soil and given good cultivation it should produce 1 pound shelled corn. Many ears yield more than this but, to be within bounds and for easy computation, let us say 1 pound. The second year each of the 1,000 grains of this ear should produce an ear yielding 1 pound of corn, or 1,000 pounds for the second year. The third year each of these thousand pounds should produce a thousand or 1,000,000 pounds for the third year. Carrying the computation forward we should have 1,000,000,000 for the fourth year, 1,000,000,000,000 pounds for the fifth year, and so on. Now, 56 pounds constitute a bushel of corn and 1,000,000,000,000 ÷ 56 = 17,857,321,428 bushels, the product of the fifth year." Our corn-fad promoter will not need to place an extravagant price on this product to make out a case of greater wealth than has yet afflicted mortal on this mundane sphere. He may say: "Place the price at a mere half-dollar a bushel, a ridiculously low price for a product

(Continued on page 492.)



## Agricultural Matters.

### Bermuda Grass in Johnson County.

All that I have read lately in the KANSAS FARMER about Bermuda grass, states that it winter-kills in Kansas. Here, I have had it for several seasons, with no protection in the winter, and it has not troubled us by winter-killing. I got a quantity of roots from Arkansas to begin with. It does not get green as early in spring as blue-grass does, but when every other grass is dry and ugly during a drouth, our Bermuda grass shows to good advantage. I never tried to sow the seed. A few roots put in here and there so quickly monopolize the surface in the vicinity, that it has seemed the better way on a small scale.

H. C. HAMMOND.

### Johnson County.

I have had very little direct experience with the Bermuda grass myself. So far as it has been tried at this station it has not proved hardy here. We have not tried planting the roots, however, but invariably have sown the seed. I am pleased to get your experience with this grass and shall appreciate letters of information relating to the various agricultural subjects which are discussed through this paper. The results of the experience of many farmers in different portions of the State under different conditions of soil and climate, are often more valuable than single experiments undertaken in a single locality.

A. M. TENEYCK.

### Hard-pan.

I have a few patches of hard-pan on my farm; they are unprofitable and undesirable. Do you know of any chemical agent or element that might be employed to reclaim the same? It is so hard that neither water nor steel will penetrate it. Any suggestion or plan will be gladly accepted.

Atchison County. W. S. BISEL.

We have several patches of hard-pan, such as you describe, on the college farm. These spots produce little or nothing and the soil is, as you say, very hard to plow or cultivate. No experiments have been undertaken to reclaim these spots. As far as I have observed the character of the soil in these places, it lacks humus, aside from being of peculiar texture perhaps due to some chemical constituent, although it is possible that the lack of humus is the main cause of the bad physical condition. It is usually very difficult to loosen such spots with the plow, but in the early spring, or when the ground is in the best plowing condition, this may be accomplished, and if at the same time a heavy coating of barnyard manure be applied, the tendency will be to loosen the soil and give it a more mellow texture and also supply plant-food so that crops may be made to grow on these places. If this loosening and manuring be continued for several seasons I believe that the spots may be reclaimed, and made into good soil. Usually the spots are so small in area that little attention has been given to improving them. It is my opinion that there is no chemical agent which can be added to the soil and give any beneficial effects. If such places are improved so that crops can be started in the soil, grass and legumes, such as alfalfa and clover will be good crops to grow in order to loosen the soil deeper and increase the supply of humus. It is possibly well worth while to experiment a little in methods of reclaiming these hard-pan patches, and I will plan to undertake some experiments along this line.

A. M. TENEYCK.

[In a farmers' institute at Berryton, a few years ago, it was stated and generally agreed that sorghum will grow better than any other crop on gumbo land and that the condition of the soil is very much improved by the presence of the sorghum roots during the following season.]

A farmer in Barton County told the writer that he had "cured" four acres

of bad gumbo by plowing into it plenty of manure and river sand.—EDITOR.]

### Planting Sorghum.

How many grains in the hill, and the hills how far apart, would you advise to plant sorghum-seed in lister-row to produce the greatest amount of seed per acre.

The land is in the Kaw River bottom between Fort Riley and Ogden, on the south side of the river. The lister-rows will be three feet and four inches apart. Could they be made nearer, say three feet, and the sorghum grow and produce as well? Would you advise planting Coleman seed to obtain the largest yield?

LEONARD WINGFIELD.

### Geary County.

For the largest production of seed on the fertile land which you mention I would advise to plant sorghum in drill-rows three feet apart and one grain in a hill four to six inches apart in the row. At this station we have not found the lister method of planting sorghum to be equal to level planting. When the sorghum is planted in the lister-furrows it starts slowly and if the weather conditions are unfavorable it is not apt to germinate well. Last season at this station sorghum planted with the grain-drill on a well-prepared seed-bed, germinated and made a good stand, while that planted with the lister the same day made so poor a stand that it was replanted. In this case, however, the seed was not first-class. If you plant with the lister it will not do to plant until the soil is warm, and you should list rather shallow, not over four inches deep. In planting crops of this kind we have had good success by double-listing, planting on the ridge at the second listing, in a rather shallow furrow. I advised planting the rows three feet apart but if the width of three feet and four inches which you suggest will make it handler for cultivating, the rows may be placed at that distance apart and the seed dropped a little thicker in the row.

In the trial at this station last season, the Coleman variety of cane gave the largest yield of seed. However, this is the result of a single trial. Other standard and good yielding varieties are, Kansas Orange and Folger. The Early Amber cane is also a good seed-producer and one of the earliest maturing sorts.

A. M. TENEYCK.

### Baling Alfalfa from the Windrow.

Would it be advisable to bale the first crop of alfalfa out of the windrow, and if so, in what condition should it be?

ALFRED DAY.

### Republic County.

In the experiments made in baling alfalfa at this station last season, the second cutting was baled from the field in several stages of curing. All the hay spoiled except that which was baled when it was well cured and fit to stack. It is usually more difficult to cure the first crop of alfalfa than the second, but if the first crop can be properly cured it may be successfully baled from the field. The following is quoted from Bulletin No. 123, now in the press:

"The question as to whether it will pay to bale cured alfalfa from the field depends upon the amount of hay that must be put up in a given time, the capacity of the press, the force or crew that can be kept at work, the facilities for handling and storing the baled hay, and the market price. If it is desired to ship the hay or sell it in the bale, it would seem advisable to bale it from the field if the necessary help and machinery can be obtained, as in this way labor will be saved, and without doubt a larger percentage of the leaves are retained, giving a better quality of hay than would result as a rule by baling from the stack. With a large power-press having a capacity of twenty tons per day, it will be practicable to put up alfalfa by baling it directly from the field. To economically handle hay in this way with a press of the above capacity, without loss of time and with the least possible ex-

pense, will require five teams and nine men besides the necessary equipment. This assumes that the hay will be hauled to the baler by means of a sweep rake; and that the baled hay will be piled in the field to be removed later. Such an outfit should be able to put up eighty acres of alfalfa, averaging one and one-fourth tons per acre, in from five to six days of good weather. The same outfit should handle the crop on one hundred and sixty acres in from ten to twelve days. Thus it would take about two weeks of actual work, if the weather were good, to take care of the crop on 160 acres, and with unfavorable weather interfering, this period might be extended a week or two longer. It does not seem advisable to extend the cutting of one crop of alfalfa over a period of more than two or three weeks. Therefore, if the acreage be doubled it would be necessary to double the equipment and the number of men and teams required to properly handle the crop. In case the hay is stacked, it would require practically the same number of men and more teams but the work might be done more rapidly and a larger acreage could be taken care of by stacking than by baling from the field."

A. M. TENEYCK.

### How Improve a Poor Stand of Blue-Grass.

Early this spring I sowed some English blue-grass and red clover. The red clover froze out and the blue-grass is about three-fourths of a stand. How can I thicken the stand with either alfalfa or red clover? Would it injure the blue-grass to harrow it? Can the red clover and alfalfa be grown together where either is a poor stand?

Marion County. P. E. HOWE.

I do not think it advisable to harrow the English blue-grass at this time. Even with a very light harrowing many of the young plants are likely to be destroyed. Later in the season, say in June, when the grass has produced more roots and become well established, it may stand the harrowing without injury, although it is not usual to harrow young grass in this way the first season. The red clover or alfalfa may be sown on the field, taking the chances of the seed being covered by the rain. If the ground has not already been packed by heavy rains this may be a practicable plan to adopt. Whatever the condition of the land, if the ground should be moist at the surface for some time after seeding, the clover or alfalfa would likely sprout and grow. Clover is often sown on fields early in the spring in this way and left uncovered. Perhaps the clover from the first seeding may yet make a start. It is not usual for red clover to be killed out by frost in the spring even when seeded very early.

I have never grown clover and alfalfa together, but since these crops are so different in their periods of growth, the alfalfa yielding three or four crops, while the clover yields one or two, it would not seem advisable to grow the crops together. If you have a poor start of clover, it may be thickened up by putting on a little new seed in the spring and harrowing it in. With alfalfa the best success comes by reseeding in the fall after the third cutting, having disked and harrowed the field previous to seeding. The last growth of alfalfa may be pastured in order to keep it from shading the young plants. I have not tried this method but I note that it is favorably spoken of by some farmers.

As a rule, I would recommend to seed a new piece of land or plow up the old field and reseed it rather than to attempt to thicken up the stand now on the ground.

A. M. TENEYCK.

### Corn-Judging Contest.

EDITOR KANSAS FARMER:—It is the intention of the farm department, in connection with the Students' Agricultural Association, to conduct a corn- and grain-judging contest at the college next fall. The purpose of this contest is to awaken more interest

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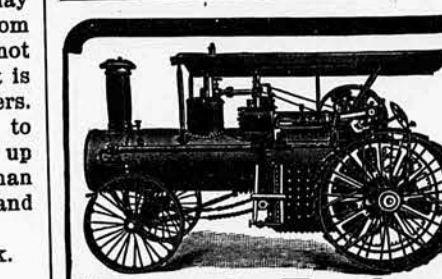
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and encourage better work in the agricultural classes, and also to assist in the selection of students to represent the college in the Inter-State Contest, if it be decided later to enter that contest. I am writing you to learn what you think of this proposition, and what encouragement we could expect from you. If we undertake the contest we should like to make it of considerable importance, to have valuable premiums offered, and direct the attention of the farmers to the matter through the agricultural papers. Perhaps you can name some prominent men who are interested in the college and in Kansas agriculture generally, who will be glad to give us something toward the premiums; or perhaps you are acquainted with the heads of certain business firms who will be willing to help us as a business proposition.

I shall be glad to hear from you and know what you think of such a contest, and whether you will be willing to help us in securing premiums.

V. M. SHOESMITH.  
Kansas State Agricultural College.

#### Variety Tests of Corn at Nebraska Experiment Station.

Tests of nineteen varieties of corn conducted during 1902 and 1903 by fifty-nine farmers in various parts of Nebraska are reported in Bulletin 83 published by the Experiment Station at Lincoln. These variety tests were undertaken because of a lack of knowledge regarding the types of corn best adapted to different localities in the State.

For these experiments the State has been divided into six sections. The boundary lines of which correspond more or less closely with those marking changes in the natural vegetation as shown by the botanical survey. All tests in any one section include the same varieties. Nineteen varieties in all were tested, but the maximum number in any one section was twelve.

Seed-corn was sent to each experimenter each year, the supply always being obtained from the same source. It was necessary to do this as the varieties were grown side by side, which although it does not affect the yield of grain from any variety, does render it valueless for seed. Enough seed was sent to plant at least a quarter of an acre of each variety. Instructions were given to plant all varieties in the same manner, and on the same day; to prepare the land in the same way, and give the same cultivation. Each variety was to be picked separately and an accurate estimate of the yield of corn on the cob determined, also the proportion of corn to cob on ten representative ears of each variety.

The varieties tested were Boone County White, Reid's Yellow Dent, Silver Mine, Riley's Favorite and Leaming, representing seed raised east of the Mississippi River; Snowflake White and Early Yellow Rose, representing seed raised in Iowa; Pride of the North and Minnesota No. 13, from seed raised in Minnesota; Hogue's Yellow Dent, Golden Cap, Mammoth White Pearl, Mammoth Golden Yellow, Nebraska White Prize, Golden Row, Calico, Legal Tender, and Gold Mine, from seed raised in Nebraska.

There was much variation in different localities as to the variety giving the best yields of grain. This was expected, and was the reason for beginning the experiment. There are great differences in the fertility and working qualities of the soil in different parts of the State, as well as differences in rainfall and temperature. The conditions favorable for one variety may not be so favorable for another. Much will depend also on the region in which the variety has been raised. A report of each test is given in the bulletin.

Corn brought from outside of the State did not yield so well as corn raised within the State. A notable exception to this is Reid's Yellow Dent.

Early maturing varieties did not yield so well as later maturing ones.

Yellow varieties gave, on the whole, better yields than white varieties.

The proportion of corn to cob did not bear any relation to the yield of corn per acre, neither did the size of the ear.

Some of the varieties of corn brought from other States, although not yielding remarkably well in these trials, give evidence of becoming very valuable varieties after they have been raised in this region for a sufficient number of years to become well adapted to the climate. Of these, Reid's Yellow Dent, Boone County White, Leaming, and Silver Mine are particularly promising.

#### A Good Farm-Hand Wanted.

EDITOR KANSAS FARMER:—Could I hire a good, healthy young man with a strong body, well-trained mind, good judgment, and free from vices, with decent manners, to be my principal farm-hand at "Roseland," a farm of 170 acres with 90 acres in cultivation, including what land is in tame grasses? Would such a one come and do me good, brainy service for \$25 per month with board and washing?

I am frequently absent from home several days at a time, and I need an intelligent, steady, trained hand to look after the farming and stock-raising whether I am present or absent, consulting me and willingly endeavoring to carry my wishes into execution. I can not do farm labor personally; I tramped with Sherman and Ben Harrison in the Civil War, and am now 64 years old.

The village store and loafers are within five minutes' walk of Roseland Cottage, and if the man wants to jump up from the supper table and walk straight off to the store and sit among the loafers till 10 o'clock at night, smoking, chewing, squirting, listening to coarse talk, verging on indecency; if he is accustomed or inclined to do this, he may kindly refrain from seeking the situation.

If he appreciates good beds and good victuals and kindly treatment as a member of our family, and would enjoy sitting in an easy chair of evenings with two or three good magazines, three or four daily newspapers, the Kansas Farmer, Wallace's Farmer, the Farm and Fireside, the Twentieth Century Farmer, the Breeder's Gazette, and bulletins from the experiment stations of Kentucky, Ohio, Illinois, Iowa, Missouri, Kansas, Oklahoma, Tennessee, and Nebraska, he is kindly invited to correspond with me, giving me some references as to his character, experience and executive ability.

THOMAS D. HUBBARD.

Kimball, Kans.

#### How to Dynamite Stumps.

EDITOR KANSAS FARMER:—In a recent issue of the KANSAS FARMER I see that R. F. B. asks how to clear off stumps with dynamite. I thought my experience might be of some benefit as I have had a few hundred blown out this spring, mostly walnut and oak. Use a crowbar 5 or 6 feet long to punch a hole down as near under the center of the stump or next the tap-root as possible, say 2 or 3 feet deep according to the size of the stump. Then take a stick and push the fuse in the cap, then take your knife and push the edge of the cap down on the fuse. Then take a stick of dynamite, bore a little hole with your knife in the end, press in the cap, and put the dynamite in the hole next to the tap-root, tamping dirt around it. Small stumps take about one-third to one-half stick of dynamite.

J. H. BLODGETT.

Cass County, Missouri.

As a remedy for cutworms, Prof. J. M. Steadman recommended to the Missouri Corn-breeders Association the following: One bushel wheat bran; one pound powdered arsenic; sweetened water to make a dough. These ingredients are to be thoroughly mixed and scattered in the field where the cutworms are expected. They eat the poisoned bait instead of the young corn and are soon incapable of eating anything. Poultry must be kept from the poison.

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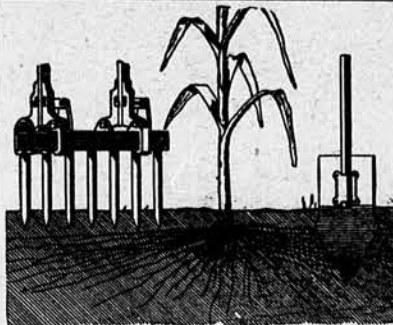
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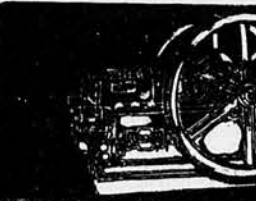
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## Horticulture.

Notes on Forest-Trees Suitable for Planting in Kansas.—II.

THE HACKBERRY (CELTIS OCCIDENTALIS).

### DISTRIBUTION.

EDITOR KANSAS FARMER:—The hackberry occurs naturally from Massachusetts to Oregon and from Canada to New Mexico and Florida. It can be recommended for planting throughout its range, while its great hardiness and adaptability to varied soil and climatic conditions make it an excellent tree for the Great Plains.

### CHARACTERISTICS OF FORM AND GROWTH.

In general appearance, the hackberry resembles the white elm to which it is quite closely related, according to the botanical classification. It is smaller and harder than the elm, however, and the brownish "berries" and warty bark are an easy means of distinction. The rate of growth is rather slow, particularly for the first few years after starting from the seed. In favorable situations, the diameter increase will average one-fourth to one-third of an inch annually. Natural hackberry-trees are sometimes found in situations so adverse that fifteen or more years are required for an inch of diameter growth. It is characteristic of the species that it will live and bear seed year after year in places where almost any other tree would die. It is a long-lived tree and should be planted only where wanted permanently.

### USES.

The wood of the hackberry is of very ordinary quality; it is not durable in the soil and is used chiefly for fuel. Were the qualities of the wood the only consideration, the hackberry would be little planted. As a living tree, however, the hackberry has much to recommend it. It does finely under cultivation, often growing better than in its natural state. It is best suited to ornamental planting in yards and parks and for shade along streets and highways. For these purposes, it is excellent, as it is healthy, appears well, makes a good shade, and is of medium size. While not as frequently planted as it should be, some of the Western towns have learned to appreciate the hackberry. In Columbus, Neb., for example, it is the principal street-tree with very satisfactory results. It may be planted almost anywhere in Kansas with certainty of success if properly cared for, and is particularly desirable in the western part of the State where few species thrive.

### SOIL AND MOISTURE.

As indicated by its wide range, the hackberry will live in almost any kind of soil and with a very small amount of moisture, but it responds quickly to good conditions, and reaches its best developed in river-bottoms where the soil is rich and moisture abundant.

### PROPAGATION.

The hackberry bears seed abundantly which ripens in the fall. The seed may be sown in either fall or spring. If spring sowing is preferred, the seed should be stratified in sand and kept in a cool place over winter. As the seedlings grow only six to twelve inches in height during the first season, they need to be left in nursery rows longer than many of the common species before transplanting to the permanent situation. The ordinary planter will find it more practicable to buy his trees than to attempt to raise them, since by planting on a large scale they are cheaper than home-grown-trees.

R. S. KELLOGG.  
Fay, Kans.

### Remedy for Potato-Blight.

Potato-blight has been very destructive in New York State during the past two seasons; and growers are considering more earnestly than ever before the feasibility of adopting some means of prevention. For years, scientists and investigators have held that the diseases responsible for far the greater part of what is called "blight," are largely preventable; and have advocated the use of Bordeaux

mixture as an easy, cheap and practical remedy for these diseases. But new methods gain a foothold in farm practice only slowly and after convincing proof of their value; so spraying potatoes for diseases has not been generally practiced. Station experiments, alone, apparently will not convince the ordinary farmer; he requires the evidence of fellow farmers, working under conditions similar to his own, to assure him of the utility of some practice a little out of the ordinary line. Fortunately there are always a few to whom new ideas appeal and who assist the spread of truth.

Of such assistance the New York Agricultural Experiment Station has always made free use; and has done so the past season with most striking success, in spreading the practice of spraying.

In Bulletin No. 241 of that station are given results secured by five farmers in spraying potatoes; and the figures presented should go far to convince the most skeptical that the use of Bordeaux mixture pays.

These "farmers' tests" were carried on by the potato-growers without dictation or criticism from the station, each farmer using his own apparatus, preparing his own mixtures, spraying as many or as few times as he chose and giving his fields just such care as seemed best to him. The station merely arranged that a sufficient area of each field should be left unsprayed as a check and that the yields on the checks and on equal sprayed areas should be carefully weighed when the potatoes were dug.

In all, 61½ acres of potatoes were sprayed, in different parts of the State; and comparison with the check areas showed an increase in yield, due to the spraying, of 3,746 bushels, or an average of 61¼ bushels per acre. The total expense of the spraying was \$296.49, which, subtracted from the value of the increase at 50 cents a bushel, leaves \$1,576.50 as the total net profit, or \$25.77 an acre.

In the second year's test of a ten-year experiment to be carried on by the station in two places, there was a gain, at Geneva, of 88 bushels to the acre from three sprayings and of 118 bushels from five sprayings. On Long Island the gains were 39½ and 56 bushels per acre from 3 and 5 sprayings respectively.

These figures certainly merit careful study by every grower of potatoes. We advise each one to write to the Experiment Station, Geneva, N. Y., for Bulletin No. 241. It will be sent free.

### Will Introduce New Plants.

The United States Department of Agriculture has decided to establish a Plant Introduction Garden and Experiment Station at Chico, California. Contracts for the necessary land have been closed and work has been begun on what will undoubtedly be the greatest institution of its kind in America and perhaps in the world. A beginning will be made with ninety acres but it is the intention of the department to extend the area as the needs of the institution require. The garden will be devoted to experimental culture of the plants introduced from various parts of the world and to a careful study of plant life.

Such an institution has long been contemplated by the Agricultural Department. California was selected for its location on account of climatic conditions which admit of the culture of tender plants from the tropics and of Northern products as well. The ideal location for such an institution is that which admits of the successful cultivation of the widest possible range of products and the commission entrusted with the duty of selecting the site believe they have found it at Chico.

This commission was composed of Prof. P. H. Dorsett, Government expert who will have charge of the institution, and Prof. A. V. Stebenrauch of the University of California. They spent months in making a careful study of conditions affecting plant life in various portions of the State, visiting and carefully inspecting each locality likely to prove available. The decision in favor of Chico was reached some time ago but the site selected

could not be secured and another tract had to be chosen, which has now been done and the purchase consummated.

Chico is situated near the eastern border of the great Sacramento Valley, seventy-five miles north of Sacramento, the State capital, and was the most northerly point considered by the commission. Climatic conditions in California are affected but little if at all by conditions of latitude. The orange, the lemon, and the olive being staple products of a district that measures fully five hundred miles north and south.

### Roses from Cuttings.

Please give method of growing Rambler roses from cuttings.

Mrs. S. B. WHEELER.

If roses are grown from cuttings they should be left under glass until they are well rooted. The length of time will depend upon the conditions, as temperature, moisture, etc. After the roots are well stated they should be placed in thumb-pots; and when the plants have obtained a good growth, they should be transplanted to the nursery row until they are large enough to plant in a permanent location.

GEO. O. GREENE.

### Plum Curculio.

Can you tell me how best to control the plum curculio? D. H. WELCH.

The plum curculio can be best controlled by jarring the insects from the trees early in the morning and catching them in a curculio catcher. There are several kinds of these machines but the principal feature of them is the wide-spread canvas which slopes toward the center like an inverted umbrella and which catches the insects as the tree is jarred. Below this canvas is a can into which the curculios fall and so are easily destroyed. In the absence of one of these curculio-catchers a sheet or canvas can be spread around under the tree and the insects collected in this.

GEO. O. GREENE.

### A Way to Kill Hedge.

EDITOR KANSAS FARMER:—It may be well to tell how we had some hedge killed nearly twenty years ago. We cut it down for poles in the spring and enclosed it in a lot about five rods wide, put the shoats in it in the spring and fattened them there in the fall. This killed the stumps very effectually. I think the tramping did the work.

A word about road-making or repairing. Our culverts are not a success; with either plank or tile they are soon out of repair. My plan is to dig down deep and wide enough to make it easy to cross them, then fill in with gravel or broken stone. If done right, they will last a life time.

A long-handled, round-pointed shovel is far ahead of a spade for use in digging post-holes.

The KANSAS FARMER is all right, a clean, educational paper.

ANTHONY MITCHELL.

Cherokee County.

### Experiments With Clover.

Mr. W. H. Olin, of the Iowa Experiment Station, has arranged with Mr. A. E. Cook, proprietor of the Brookmont Farms, near Odebolt, Iowa, for a cooperative experiment with clover. This will be a practical test on a business scale of raising clover, using oats, barley, and corn, as nurse crops. Nineteen hundred and twenty acres, three full sections, will be seeded to clover this season on the Brookmont Farm. On a part of this area clover was seeded with oats at seeding time, on another part with barley, and the third part will be planted to corn; and the clover will be sown just ahead of the cultivators the last time the corn is cultivated.

Mr. Cook furnishes all seed and labor, while the Iowa Experiment Station supervises the work and makes accurate observations on the growth of the clover.

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## The Stock Interest.

### THOROUGHbred STOCK SALES.

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

May 24 and 25, 1904—Aberdeen-Angus Combination Sale, South Omaha, Chas. Escher, Mgr.

July 19, 1904—L. M. Monsees & Sons, Smithton, Mo., twenty-fifth semi-annual sale of Jacks, Jennets and horses.

August 2, 1904—Harry Sneed, Smithton, Mo., Duroc-Jerseys.

October 13, 1904—C. O. Hoag, Mound City, Kans., Poland-Chinas.

October 28, 1904—Leon Calhoun, Potter, Kans., Poland-Chinas.

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

December 6 and 7, 1904—Chas. W. Armour, Kansas City, and Jas. A. Funkhauser, Plattsburg, Mo., Herefords at Kansas City.

February 16 and 17, 1905—Chas. M. Johnston, Manager, Caldwell, Kans., Combination sale of registered stock.

### Some Reasons for Raising Mules.

EDITOR KANSAS FARMER:—Following are a few reasons why farmers should raise mules:

1. They can be raised cheaper than any other stock.
2. They will go on the market much younger than any horse.
3. They can be handled at 2 years old, and if properly managed will do as much work as a 4-year-old horse and be the better for it.
4. They are less subject to disease than any other stock and not liable to get blemishes by wire or otherwise. I have raised mules a number of years and never had one blemished, but have had fine horses nearly ruined.

and interest on money. That would seem a fair profit, but the real profit was \$1,000.

11. Two mules can be raised till 3 years old on the same feed as one steer. The steer will be worth from \$60 to \$75; the mules from \$250 to 300 Neosho County. JOEL A. LOWE.

### Color in Shorthorns.—No. 7.

EDITOR KANSAS FARMER:—I now take up the junior bull calf class at the great International show at Chicago in December last. First prize, Hampton's Model 21074, roan. His sire is a roan. His paternal grandsire and great-grand sire are roans, bred by Wm. Duthie, Scotland. His dam is a roan.

Second, Prince Albert 206212 (roan). His dam is a roan. One grandsire and one grandam are roans.

Third, Nonpareil Champion 206646 (red). His sire and paternal grandsire are roans of Scotch breeding.

Fourth, Orange Chief 208640 (red). His paternal grandsire is the great St. Valentine 121014 (roan). His paternal grandam was got by Robbins' great champion roan show-bull, Gay Monarch 92411. His maternal grandsire was the red and white Bluebeard 141514, bred by Duthie of Scotland.

Fifth, Roy Marengo 205854 (red). His sire is a roan, bred in England.

Sixth, Hampton's Champion 206227 (red). His sire is a roan.

are three cows whose colors can not be determined without access to the English herd book. Of his sixteen ancestors in the fourth generation, nine were red, three roan, one red and white, and three of unknown colors. It is evident that his breeder is breeding for red colors exclusively, which accounts for his being at the foot of the class. No breeder is to be blamed or censured for breeding reds exclusively. They are much more salable than any other color. It is the general public that needs educating on the color question. As a rule, the whites and roans, and those that are red and white in about equal proportion, or those having more white than red hair, have better coats of hair, longer, thicker, finer, softer to the feel, which are the best indications of good feeding qualities. D. P. NORTON.

Morris County.

### The Pigs More Profitable.

EDITOR KANSAS FARMER:—About a year ago I had a thoroughbred Berkshire sow that I bought of my brother, G. D. Willems, owner of the East Reno Herd. She farrowed four pigs and died with the fifth when the four pigs were two days old. I was discouraged; but the pigs were valuable stock and I fed them as best I could. My brother suggested that I write to the KANSAS FARMER for advice. I did so and you published my letter, and further sent my letter to Mr. Hubbard. He answered me and his letter also appeared in the KANSAS FARMER. Well, I followed his advice and the pigs did finely. My brother, G. D. Willems, often said they did better than his that kept their mothers.

I sold three of them as breeders; one was shipped to the southeastern part of the State; the fourth I killed for my own use. I got more than twice as much for the three boars as I paid for the sow, and the fourth paid well for all the feed and work I had with the pigs.

I feel that I am indebted to the KANSAS FARMER and Mr. Hubbard for the success I had with those pigs and I want to take this opportunity to thank you and Mr. Hubbard for the help I got in raising those orphan pigs.

A. E. WILLEMS.

McPherson County.

### The Fowler Fight.

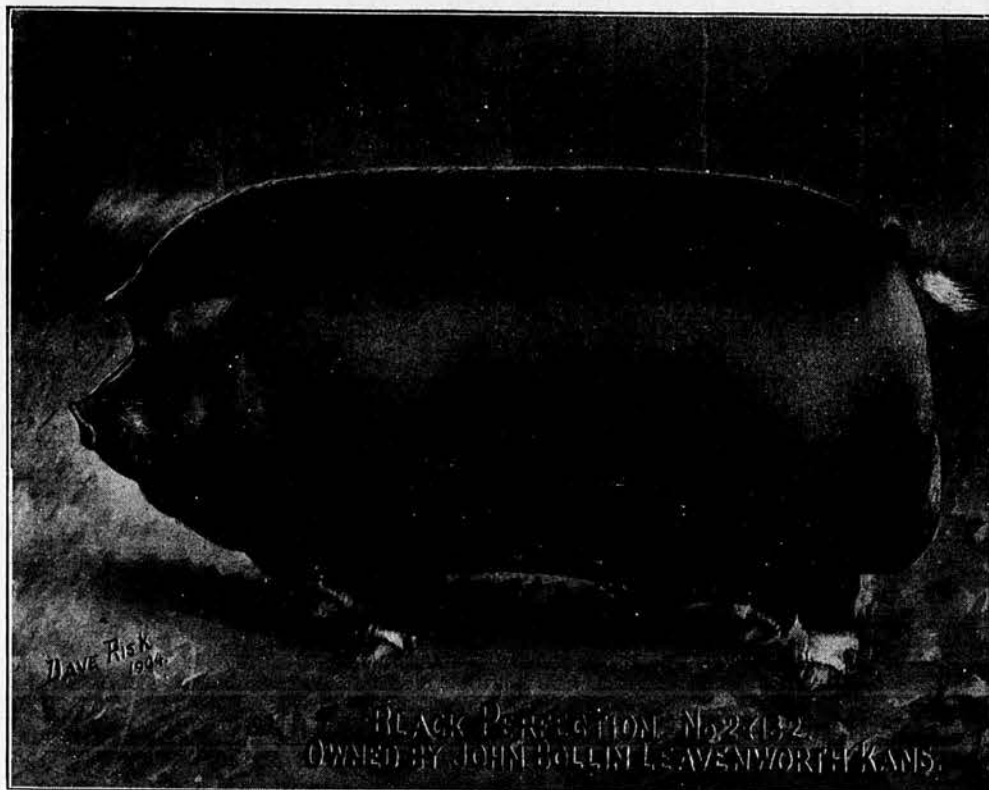
EDITOR KANSAS FARMER:—I wish to reply to a letter in your last issue, from the pen of Mr. Springer, of Riley County, as regards the position of the Fowler Packing Company.

Is it not true that the packers have formed a combine? I read this statement, "The beef trust paid \$25,000 without a murmur rather than defend its position in the courts." Now what had the beef trust to fear from the courts unless it were exposure and more publicity through the country newspapers?

Your correspondent's quotation from the Drovers' Telegram is, "The Fowler's primary object in establishing its own market was to get its supplies as much below the price paid at the open market as possible." This clause is quite distinct from the one that says, "And if the company is to do business it must pay the price demanded by the owners of the stock."

The first states the object, and I think it is not flattering for the farmer. The second refers to the "kick" when the commissionmen refused to sell to Fowler in the so-called open market.

Now if Fowler demonstrates the attitude or long-suffering of the people and is joined by Armour, Swift, Cudahy, Swartz, and a few others, in pursuance of this "primary object," will we be in the frying pan or in the fire? If a few can make Fowler "pay the price demanded by the owners of the stock," why can not all of us keep the price of stock where it was last



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5. They avoid danger and do not get into holes or dangerous places. If they run away, they seldom hurt themselves or anything else, much. The writer has nearly always a good bunch of mules and has not been kicked but twice in twenty years and both times by a horse.

6. They stand heat much better than horses. If you do not think so, try a span on your binder some hot, sultry day by the side of your horses.

7. They can stand more abuse and hardship than the horse, but appreciate good treatment more than any other animal living and live to greater age than horses.

8. There is profit in mule-raising because of quicker growth, being marketable at 3 years old. A horse has to be 5 years old, thus two years' feed is saved. I have sold a number of 2-year-old mules for \$150 each.

9. There is always a good demand for mules of from 5 months up to 15 years old. Were there a greater number of mules there would be plenty of buyers. In time of war, mules are always high. An army can do without guns as well as without mules. It was during the Civil War the writer first learned to appreciate the mule.

10. Mules can be raised with less care than cattle. They will eat straw or anything that cattle will. In 1900 the writer bought 20 mules at weaning time; wintered them on wheat pasture; sold them January 1 for \$1,470 more than they cost him. The cost of feeding was about \$300; but put it at \$500, and it will leave \$970 for trouble, care,

Seventh, Joe Wimple 209969 (roan). His sire is Archer's Heir 209092 (white).

Eighth, Missie's Lad 206695 (roan). His dam is a roan. His sire is red and white. His paternal grandsire is the great prize-winning roan, St. Valentine, bred in Canada.

Ninth, Lad of All 208865 (red). His dam is a roan. His sire is red. His paternal grandsire is red and white, and was got by the famous roan, St. Valentine 121014.

Tenth, Straight Archer (roan). His sire is the white Archer's Heir, 209097. Eleventh, Anoka Archer 206604 (red). It is enough to say he is a full brother to the champion Shorthorn bull of America, the roan Ceremonious Archer, that lately sold for \$5,000.

Twelfth, Regal Count 2d 207393 (red); bred in Missouri by a breeder who breeds for red calves exclusively. All his ancestors for three generations (fourteen in number) are reds. For the last seventeen years, the party who bred this bull calf has registered six animals that are not described as "red," or "red and a little white." The herd has been in existence for fifty-four years. Only a good animal would have won a prize at the International, but no animal bred in an exclusively red herd is ever likely to head a class at the International. They are, on the contrary, likely to be at the foot of the class or near it.

Thirteenth, Golden Czar 200253 (red). His ancestors for three generations are all red, so far as can be determined by our herd books. There



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A carbolic dip, with liquid sulphur added. A perfect disinfectant. Results guaranteed or money **FREE** SAMPLE for the asking, refunded. Enough to make 5 gals. of Dip. Write for catalogue, prices and full directions. Address

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**CAN YOU AFFORD IT?**

You certainly cannot afford to have horses lamed from Spavin, Ring Bone, Splint, Curb, when they may be cured by simply using

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It cures all these and all other forms of lameness. Think about it and then act. Price \$1; 6 for \$5. As a liniment for family use it has no equal. All druggists. Book "A Treatise on the Horse" mailed free. Address

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**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 \$1.35 per pint, \$2 per quart, \$3.50 per 1/2 gallon, \$5 per gallon. If your druggist does not keep it send order to the manufacturer

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Write him for descriptive circular and testimonials.

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Karbolene is best and cheapest Hog Dip. Sample gallon free. If not satisfactory send express receipt and we will refund express charges; if satisfactory, charges will be credited on your first purchase. Price, \$4.50 for five gallons; Dipping Tanks, \$9.00. Address

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**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. Keeseaman, Osborn, Mo., cured three cases with one application to each. Hundreds of similar testimonials on hand. Full particulars by mail. Write to

**CHARLES E. BARTLETT, Columbus, Kans**

**DEATH TO HEAVES**  
Guaranteed

**NEWTON'S Heave, Cough, Dis-temper and Indigestion Cure.**  
A veterinary specific for wind, throat and stomach troubles. Strongly recommended. \$1.00 per can. Dealers, Mail or Ex. paid. The Newton Remedy Co., Toledo, Ohio.

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**DRIVES AWAY THE BLUES**

"ARE YOU BLUE?"  
weak, nervous or sleepless? If you would quickly regain the vigor and strong nerves of certain health, use **BLUE PILLS**—they never fail.

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Agents wanted. Box D760 Milwaukee, Wis.



year—before the beef trust got in its work?

I know of practical men who have shipped stock and who claim the commissionmen can do better for you than the farmer can do for himself, and they would rather send to a commissionmen than be compelled to trade (personally) with the packer.

A few weeks ago in a restaurant I heard this remark in a conversation: "A year ago hogs were worth 7 cents a pound and bacon sold at 18 to 20 cents. To-day hogs are worth 5 cents a pound and bacon 22 cents. It seems as if something was wrong."

I, too, think that something is wrong, and am not sorry to see this fight between the commissionmen and the packers; for I feel as though Fowler is not without the sympathy of that body. And while I shall watch with interest the result, I am not sure that I wish him the victory. This is something to chew on.

Miami County. CHAS. CHARLES.

#### The Harvey County Breeders' Association Sale.

The wonderful development of Kansas as a breeding State is well illustrated by the development of the interest in purebred stock in Harvey County, Kansas. Less than a half decade ago there were but two breeders of purebred stock in this county. Two months ago the Harvey County Breeders' Association was organized with a membership of seventy-five and with the immediate prospect of a growth to one hundred. A few weeks ago it was decided to hold the first of a series of annual or semi-annual sales of purebred stock, which is one of the purposes for which this association was organized. Although the time was so short, the breeders got together and catalogued twenty-six head of Shorthorns and three head of Herefords. Because of the lack of time for preparation, this sale-stuff was taken right from the pasture with no preparation, and much of it appeared in the ring in very thin flesh. Because of the fact that most of the contributors were so short on their mature animals the sale-stuff was generally very young, ranging from 10 to 14 months, and none of it bred except one heifer that was somewhat older. There were too many bulls in the Shorthorn sale, but in spite of all these difficulties, Col. J. B. Thompson, of Newton, faced a good crowd when the first annual sale was opened at that place on Wednesday, April 27.

The first day was devoted to the selling of the Shorthorns and Herefords; and everything considered, the results were quite satisfactory. Only one animal sold as high as \$100. This was a good long yearling bull consigned by L. W. Stewart, of Sedgwick, and sold to G. B. Stratton & Son, Walton. Several counties were represented among the buyers though the cattle were mostly taken by Harvey County. The breeding represented in the offering was good throughout and the consignors have reason to congratulate themselves on the fact that they received fairly good prices at their first annual sale and that they have done a lot of good missionary work in the interest of purebred animals and a future business for themselves. Colonel Thompson did the selling without any assistance and did it well. Twenty-two Shorthorns brought \$1,330, average \$60.45; twelve bulls brought \$725, average \$60.42; ten heifers brought \$605, average \$60.50.

The contributors to the Shorthorn sale were: Cecil McArthur, Walton; Lantis Bros., Newton; J. E. Fife, Newton; W. R. Knott, Newton; L. W. Stewart, Sedgwick; C. A. Seaman, Sedgwick; Fred Tangeman, Newton, and G. D. Stratton & Son, Walton. The Herefords were sold by P. J. Billau, of Hesston.

On Thursday, April 28, was sold about fifty-five head of Poland-Chinas and a few very young Duroc-Jerseys. The same conditions prevailed in the swine sale that existed in the Shorthorn sale. Most of the animals were very young and while the prices do not appear large on paper, they were really very fair considering the large number of boars and open gilts, their immature age, the lateness of the season and the fact that this is the farmer's busy time. The top of the sale was brought by the sow C's Choice, bred by W. R. Peacock, Sedgwick, Kan., who sold to J. E. Fife, Newton, for \$41. She was sired by Clever's Perfection 42855 and her dam was Darkness Wilkes C. The top of the boar sale was brought by Stylish Perfection by Klever's Perfection out of Lady Wilkes D, sold by the same breeder to Lantis & Fife, Newton, for \$30. One little of three gilts, full sisters to the last one named, but one litter younger, brought the same breeder \$33. Another good litter of three gilts was bred and sold by J. D. Marshall, Walton, Kan., for \$78.50. These were sired by Wilkes I Know 27390, out of Wilkes Bee 2d 65673, and one of them was a show gilt. The writer was very much pleased to see the quality of Poland-Chinas that were offered in this sale. There is a great deal of prize-winning blood in the possession of the members of this association and they will be heard from later on when they have had time to perfect their organization and prepare their stock for the sale-ring.

Thirty-two head of Poland-Chinas brought \$549.50. The consignors to the Poland-China sale were W. R. Peacock, Sedgwick; Jas. E. Fife, Newton; J. H. Becker, Newton; Lantis Bros., Sedgwick; E. A. Brown, Halstead; E. K. Cardner, Newton; Q. Coble, Newton; John E. Marshall, Walton; R. H. Knott, Hesston. The buyers of Poland-Chinas were: A. C. Golden, Whitewater; B. Biggerstaff, Halstead; R. H. Knott; Lantis & Fife, Newton; J. D. Marshall, Walton; J. E. Fife; Robt. Allison, Newton; Norman Jacobs, Newton; J. G. Nebergall, Newton; J. W. Schroch, Newton; A. C. Tangeman, Newton; J. F. Crawford, Newton; A. Anderson, Newton; John Dryer, Newton; J. W. Fernell, Newton; Lee Stewart, Sedgwick; M. M. Weaver, Newton;

R. E. Westbrook, Peabody; T. M. Erb, Newton; J. C. Corfman, Whitewater; B. F. Heyman, Whitewater; W. R. Peacock, Sedgwick; C. C. Lindemud, Walton; W. R. Brush, Newton; W. J. Miller, Newton; A. E. Gilchrist, Walton.

The Durocs were consigned by Phillip J. Billau, Hesston, and were sold to V. House, Newton; R. E. Westbrook; A. T. Prouty, Newton.

#### The Sabetha Shorthorn Sale.

On April 28, there was held at Sabetha, Kan., a Shorthorn sale consisting of consignments from the following breeders: John McCoy, E. D. Ludwig, and J. P. Lahr, Sabetha; H. O. Tudor, Holton; M. A. Low, Horton; and Albert Johnson, Douglas, Neb.; and H. Feldman, Dawson, Neb.

Forty-two Shorthorns sold for \$3,060, an average of \$72.85. Thirteen bulls averaged \$63, and twenty-nine cows and heifers averaged \$74. The offering was creditable to the breeders represented but owing to the previous heavy rainfall quite a number of Kansas and Nebraska buyers were prevented from attending the sale. Consequently fourteen animals catalogued were not offered for sale, as the attendance was almost exclusively local and the sale was stopped as soon as the local demand was supplied.

This offering merited much better prices which would have been realized had the due amount of publicity been given to the sale, but evidently the newspapers were more successful than the newspapers in getting the larger part of the appropriation, hence the amount for advertising the sale was unduly limited. The sales in detail were as follows:

Scottish Lady, E. D. Ludwig, Sabetha.....	\$125
Golden Gem, L. J. Hitchcock, Falls City.....	165
Golden Lass 2d, H. C. Sellers, Preston, Neb.....	70
Pleasant Ruth, J. N. Flickinger, Morrill.....	75
Clipper Chief 216618, Ed. Stoner, Morrill.....	65
Carrie Nation, H. C. Sellers, Preston, Neb.....	75
2d Duke of Rock Spring 216627, J. W. Steele, Seneca.....	90
May Queen, M. Christensen, Sabetha.....	100
Golden Knight, Henry Hawn, Falls City, Neb.....	80
Highland Lady, Morey Dever, Sabetha.....	75
Kansas Duke 216624, M. Lichty, Morrill.....	70
Daisy Maid, E. E. White, Sabetha.....	100
Robin O'Day 216626, Jack Payne, Sabetha.....	85
Midget, E. E. White.....	100
Honest Jane, E. Lichty, Morrill.....	55
Golden Drop, J. J. Flickinger, Sabetha.....	85
Maggie May, H. C. Sellers.....	60
Redbud, Geo. Crofoot, Sabetha.....	65
Bessie Bell 4th, J. O. Kimmell, Sabetha.....	45
Duke of Iowa, O. S. Hunt, Crab Orchard, Neb.....	55
Grover, H. C. Sellers.....	60
Pansy, Henry Feldman, Dawson, Neb.....	40
Kansas Duke, E. E. Williams, Sabetha.....	50
Grace of Londondale 6th, Web Davis, Morrill.....	100
May of Atha, L. J. Hitchcock.....	125
Perl Baroness of Londondale 9th, Henry Feldman.....	130
Caesar, G. Marmet, Sabetha.....	50
Mary McKinley, E. E. White.....	80
Grace of Londondale 7th, E. D. Ludwig.....	85
Valentine, E. Lichty.....	75
Red Violet, E. Lichty.....	50
Berry Prince, eFter Weimer, Sabetha.....	40
Verbena, M. Christensen.....	80
Red Mary, H. Brougher, Sabetha.....	40
Berry Prince, Peter Weimer, Sabetha.....	40
Lady Fairview 5th, V. Sichter, Morrill.....	80
Dolly of Bill Brook 2d, John Baker, Falls City, Neb.....	40
Baron Cookson 159923, L. I. Sawyer, Fairview.....	55

#### A Successful Shorthorn Bull Sale.

Readers of the Kansas Farmer will remember that we recently published an account of the Dickinson County Shorthorn Breeders' Association and it was shown that this county is the largest stronghold for Shorthorn cattle of any county in the State. Fully seven hundred pure-breds being owned in the county.

About four weeks ago the breeders of Hope, in the southern part of Dickinson County, concluded to hold a combination sale of Shorthorn bulls from the herds of H. R. Little, Geo. Channon, M. C. Hemmenway, and S. H. Lenthert, all of Hope, Kan.

About April 1, it was decided to hold the sale on April 29, which gave very little time for preparation and over half of the offering were young bulls and not in sale shape; and yet, notwithstanding these adverse conditions, the sale held on last Friday was a successful event, especially in view of the fact that there has not been an exclusive bull sale held for several years. Col. J. W. Sparks, assisted by Colonels Stagg and Athey did the work in the ring and on the block to the entire satisfaction of all concerned. The consignment of H. R. Little with one or two exceptions was in excellent sale form, while the other animals contributed were not prepared or used to being handled by a halter.

Yet the general average made on twenty-five bulls was \$72.40. H. R. Little's twelve bulls averaged \$97.50; Geo. Channon's ten bulls \$45.50; M. C. Hemmenway's two bulls \$60; and S. H. Lenthert's one bull \$75.

The sensational animal sold was lot 12, Young Crown, a ten-months bull calf owned and bred by H. R. Little, sired by Royal Crown, 125698. He was such an attractive show animal that Al Sheets, of Navarre and C. E. Rhodes, of Dillon, made a spirited contest for him. He was finally knocked off to Mr. Rhodes for \$205, the top of the sale.

The sales in detail were as follows: Lula's Crown, S. W. French, Carlton..... \$80  
Crown Filbert, C. R. Whiting, Wilsey..... 125  
Barrington's Crown, Wm. Boyce, Carlton..... 70  
Rob Roy, A. Sheets, Navarre..... 60  
Director, James Lumbar, Hope..... 150  
Gladiator 2d, F. A. Faron, Talmage..... 60  
Empress's Crown, Henry Kohman, Dillon..... 75

## Gombault's Caustic Balsam

The Worlds Greatest and Surest

Veterinary Remedy

HAS IMITATORS BUT NO COMPETITORS!

SAFE, SPEEDY AND POSITIVE.

Supersedes All Caustery or Firing. Invaluable as a CURE for

FOUNDER,  
WIND PUFFS,  
THRUSH,  
DIPHTHERIA,  
SKIN DISEASES,  
RINGBONE,  
PINK EYE,  
SWEENEY,  
BONY TUMORS,  
LAMENESS FROM  
SPAVIN,  
QUARTER CRACKS,  
SCRATCHES,  
POLL EVIL,  
PARASITES.

REMOVES

BUNCHES or  
BLEMISHES,  
SPLINTS,  
CAPPED HOCK,  
STRAINED TENDONS.

SAFE FOR ANYONE TO USE.

We guarantee that one tablespoonful of Caustic Balsam will produce more actual results than a whole bottle of any liniment or spavin mixture ever made. Every bottle sold is warranted to give satisfaction. Write for testimonials showing what the most prominent horsemen say of it. Price, \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use.

The Accepted Standard  
VETERINARY REMEDY

Always Reliable. Sure in Results.



None genuine without the signature of  
The Lawrence-Williams Co.  
Sole Importers & Proprietors for the  
U.S. & CANADA. CLEVELAND, O.

CAUSTIC BALSAM IS THE BEST

Your Gombault's Caustic Balsam is the best I have ever used. I have bought four bottles for my neighbors, and two for myself. I have cured a sweetened horse with the Balsam. —Louis Miller, Sharon, Wis.

GOMBAULT'S CAUSTIC BALSAM IS EXCELLENT.

Having read an advertisement in Wisconsin Agriculturist about your Gombault's Caustic Balsam, I have tried some of it and think it excellent. —J. M. Woradzovsky, Big Lake, Wis.

Sole Agents for the United States and Canada.  
**The Lawrence-Williams Co.**  
TORONTO, ONT. CLEVELAND, OHIO.

## AS YOU CLEAN — USE DIPOLENE — IT KILLS

It's a rapid destroyer of sheep ticks, lice, fleas, mosquitoes; fungus and other enemies on fruit and shade trees. Non-poisonous. Agreeable to use. Write for enough DIPOLENE for a gallon. It's free. MARSHALL OIL COMPANY, BOX 14, MARSHALLTOWN, IOWA

## Blacklegine

BEST AND MOST CONVENIENT VACCINE FOR BLACK LEG.

PASTEUR VACCINE CO CHICAGO  
SAN FRANCISCO

## BLACKLEG



VACCINATE your cattle with **Blacklegoids** — the simplest, safest, surest preventive of Blackleg. Each Blacklegoid (or pill) is a dose. Administration with our Blacklegoid Injector is performed in one minute. We establish the purity and activity of our Blacklegoids by rigid tests upon animals. For sale by druggists. Write us for literature—free on request.

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DETROIT, MICHIGAN. BRANCHES: New York, Chicago, St. Louis, Boston, Baltimore, New Orleans, Kansas City, Minneapolis, Indianapolis, Memphis, Walkerville, Ont.; Montreal, Que.; London, Eng.

## Moore's Hog Remedy

Original Hog Dip and Feed

Used on the outside of Hogs—one part to fifty of water, is guaranteed to cure scurvy and measles, kill lice and all other vermin, without injury to the eyes. A small quantity weekly, given in water or any liquid food, will

aid digest  
blood, and  
ful growth.  
dorsed by lead  
and farmers



remove worms,  
tion, cleanse the  
promote health.  
Used and in  
ing breeders  
everywhere.

**Prevents Disease at Small Cost**

Get the genuine, at dealers in sealed cans only—never in bulk; or trial gallon, direct, express prepaid, \$2.50. Lower price in quantities.

Book, "Care of Hogs," with illustration of Dipping Tank, FREE. Address,

**Moore Chemical & Mfg. Company**

1501-3 Genesee St., Kansas City, Missouri

Use Car-Sul Coal Tar Disinfectant Dip \$1.50 per Gallon Express Prepaid



Belted Boy, S. W. French.....	50
Love's Crown, S. W. French.....	75
Lula's 2d Crown, E. L. Clubine, Antelope.....	110
Young Crown, C. E. Rhodes, Dillon.....	205
Viscount Lad, J. P. Morley, Longford.....	45
Rose Victor, G. H. Wright, Marion.....	40
Bell's Victor, W. H. Elliott, Elmo.....	45
Gold Dust Vick, W. G. Deitrich, Chapman.....	50
Major Vick, Geo. E. Bridge, Hope.....	50
Rustler Vick, G. H. Wright.....	35
May's Vick, H. E. Bowers, Hope.....	40
Cherry's Vick, G. H. Wright.....	50
Fanny's Vick, A. A. Stevens, Ionia.....	50
Fancy Victor, J. T. Nelson, Hope.....	40
Prosperity Pride, S. W. French.....	45
Rud Lavender, James Mortimer, Gypsum.....	75
Lewis Cain, Seikirk.....	75
No. 26, James Morley.....	45

### The Wichita Union Horse-Sale Company.

On May 19, at Wichita, the Union Horse-sale Company will hold another of its great sales, in which some of the finest prospects ever put in a sale will be offered. It will be remembered that John R. Gentry and Joe Patchen both claim Wichita as their home, and there may be other horses among these prospects that will in time show as good a record as they have done. At any rate the sale-stuff is choice and bred right up in the purple. The railroads have given a rate of one fare plus 50 cents for the round trip. See advertisement on page 487 and write C. M. Irwin, Wichita, for catalogue and information.

### Recent Angus Sales.

The Springfield, Ill., sale of Aberdeen-Angus cattle brought a general average of \$98.28 for thirty-nine head. The twenty-one females sold for \$2,115, average \$100.71; eighteen bulls sold for \$1,717.50, average \$95.47.

The Des Moines Aberdeen-Angus sale showed an average of \$105.66 for sixty-three head. Thirty-nine females averaged \$100.70; twenty-four bulls averaged \$114.58. The top price for bulls was \$305. The Bloomfield, Iowa, Angus sale showed an average of \$111 for thirty-eight head; twenty-nine females averaged \$117.24; nine bulls averaged \$88.

### Gossip About Stock.

Duroc-Jerseys are still gaining in popularity and many of the best ones that we have in Kansas came originally from Missouri. In this week's issue we claim the date of August 2, for Harry Sneed, of Smithton, Mo., who is one of the first and most prominent breeders of good Duroc-Jerseys and who will this year have a sale of his own.

On April 28, at Ore, Mo., Jeremiah Bricker dispersed his Hereford herd of fifty-four head of registered cattle. The sale was conducted by Col. R. E. Edmonson with his usual ability and spirit. The sale resulted as follows:

3 bulls brought.....	\$ 310 av.....	\$103.33
51 females brought.....	4.965 av.....	97.35
54 head brought.....	5.275 gen. av.....	97.68

The International Stock Food Co., of Minneapolis, is evidently becoming international in fact, as to the popularity and merit of their stock food. Since January 1, 1904, the company has added to their typewriter force sixty people, which makes their office force number at present two hundred and twenty-five people, and of this number there are one hundred and twenty-one typewriters.

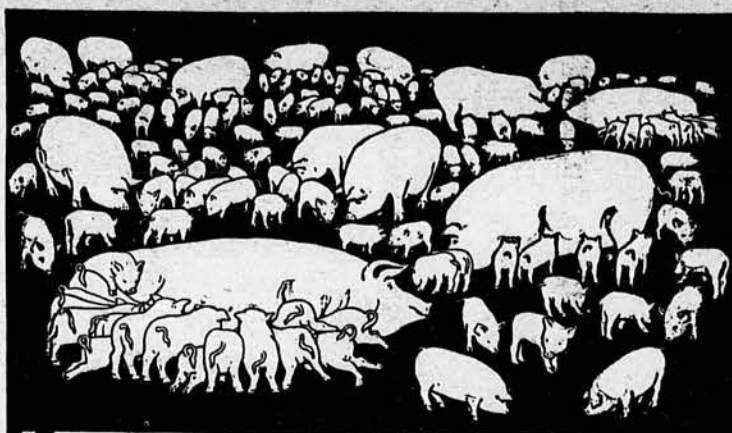
Our readers will please note that dates are claimed for the sale of the Armour-Funkhouser Herefords to be held at Kansas City on December 6 and 7, next. These sales have come to be recognized events in the breeding world because of the uniformly good offering of imported Herefords by C. W. Armour, Kansas City, and of equally good home-bred Herefords by James A. Funkhouser, Plattsburg.

Recently the Steele Bros., Belvoir, Kans., the great Hereford breeders, shipped a car-load of bulls to Guayman, Okla., and employed Col. J. W. Sparks, of Marshall, Mo., to sell them at auction. They had a remarkably good sale with a general average of \$102 per head, the lowest price on any bull was \$80, the highest \$150. They have others that are even better which they have reserved for their home trade and you can get them by visiting them at the home farm, or by writing to them at Belvoir, Kans.

S. Y. Thornton, owner of the Rosehill Herd of Duroc-Jersey hogs, of Blackwater, Mo., starts his advertising card again this week. He is now offering some choice boars ready for service, gilts bred for July and August farrow and a fine lot of early March pigs now ready to ship. All these are out of large sows of the most prolific strains and were sired by well-developed boars, two of which were winners at the Missouri State Fair. Mr. Thornton has some special bargains now and by writing to him you can get next.

Peter Blocher, of Richland, Kans., who made such a remarkable record as a breeder of Duroc-Jersey swine and who has since included Red Polled cattle and Angora goats as features on his breeding farm, has had new honors thrust upon him by being elected president of the newly organized Improved Stock-breeders' Association of Osage County. One of the objects of this association will be the improvement in live stock and the holding of annual sales of registered cattle, swine and horses. The headquarters of the association will be at Burlingame, Kans.

Mr. Marco Morrow is a very bright, intelligent young man, who lives in Chicago. He has charge of the advertising of the Empire Cream Separator Company and one of the best things he has ever gotten out is a little book of rhyme entitled, "Dairymen's Dollars." It is a nicely illustrated and attractive in every way and abounds in good, hard facts and testimonials. Ask your nearest Empire Separator man for a copy, or write to the Empire Cream Separator Company,



**"INTERNATIONAL STOCK FOOD" FEEDS FOR ONE CENT**—won the Highest Medal at Paris Exposition in 1900 as a High-Class Medicinal Preparation, made from powdered roots, barks, seeds and herbs, to give to Horses, Cattle, Sheep, Goats, Colts, Calves, Lambs and Pigs, in small amounts as an addition to their regular grain feed to secure better digestion and assimilation so that each animal will obtain more nutrition from all grain eaten. Scientific authorities prove that the average animal digests 55 per cent. of the average kind of feeds. "International Stock Food" will cause them to digest 70 to 75 per cent. We paid the government \$40,000.00 war tax because "International Stock Food" was a high-class medicinal preparation. Many other kinds did not pay any war tax because they claimed that they did not use medicinal ingredients and did not claim medicinal results. You can afford to use preparations of this kind only on a medicinal basis. "International Stock Food" purifies the blood, "tones up" and permanently strengthens the entire system. It cures or prevents many forms of disease. It will save you \$10.00 per year in the feed of Every Horse You Work and its use will only cost you \$1.50 per year. It saves grain and 30 to 50 days' time in growing and fattening all kinds of stock and is inferior by over one million farmers who have used it for fifteen years. It is absolutely harmless even if taken into the human system. Beware of the many cheap and inferior imitations and substitutes. No chemist can separate and name all of the ingredients we use. Any company or chemist claiming to do so is a Self-Confessed Ignoramus or a Paid Falsifier. Insist on having the genuine "International Stock Food."—It is sold by 100,000 Dealers and "Spot Cash Guarantee" to Refund Your Money if it ever fails to give you satisfactory, paying results and its use only costs you 3¢ FEEDS FOR ONE CENT.

## RAISED 129 PIGS FROM 13 SOWS

ST. JOSEPH, ILL.  
International Stock Food Co., Minneapolis, Minn.  
GENTLEMEN:—Word comes to us that one of Fithian's prosperous farmers, John Rueb, is the champion hog raiser of central Illinois. In the last two weeks he has had thirteen sows that farrowed 129 pigs, all living, healthy and strong. Mr. Rueb claims that his success is greatly due to his using "International Stock Food," which he has used for several years. John is one of the up-to-date farmers and he will continue to use "International Stock Food," and says he can always raise more pigs than any of his neighbors unless they use "International Stock Food." From—ST. JOSEPH RECORD.  
Beware of inferior imitations and substitutes. Write to About "International Stock Food." We have Thousands of Similar Testimonials and Will Pay You \$1000 Cash if They Are Not Genuine.

## A \$300000 STOCK BOOK FREE

### IT CONTAINS 183 LARGE ENGRAVINGS

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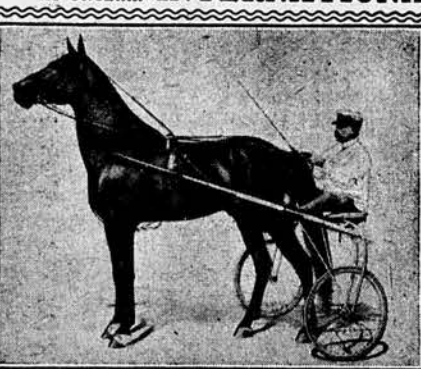
The Cover of this Book is a Beautiful Live Stock Picture 32" Printed in Six Brilliant Colors, and Without Any Advertising on it. Size of Book is 6 1/2 by 9 1/2 inches. It cost us \$5000 to have our Artists and Engravers make these Engravings, which are the finest engravings of Horses, Cattle, Sheep, Goats, Hogs and Poultry that you have ever seen. These 183 Engravings are all made from actual photographs and are worthy of a place in any library. It also gives Description, History and Illustrations of the Different Breeds of Horses, Cattle, Sheep, Goats, Hogs and Poultry. It contains Life Engravings of many very noted animals. It contains a finely illustrated Veterinary Department That Will Save You Hundreds of Dollars, because it describes all common diseases and tells you how to treat them. The Veterinary Illustrations are large and absolutely reliable. Correspondence promptly answered as we have an office force of 200 including 100 typewriters.

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If You Will Write Us At Once, Letter or Postal Card, and ANSWER THESE TWO QUESTIONS:

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ADDRESS AT ONCE..... **INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN., U.S.A.**



## DAN PATCH 1:56 1/4

### FASTEST HARNESS HORSE IN THE WORLD

Dan Kats "International Stock Food" Every Day and  
HOLDS FOLLOWING WORLD RECORDS:  
Mile Record, 1:56 1/4 Mile Record on Half-Mile Track, 2:08 1/4 Mile Record to High Wheel Sulky, 3:04 1/4  
Half-Mile Record, 0:56 Mile Record to Wagon, 1:57 1/4 Two-Mile Record, 4:17

## HIS BEAUTIFUL COLORED PICTURE FREE

Printed in Six Brilliant Colors—Size 21 by 28 inches

We own the World-Famous, Champion Pacing Stallion, Dan Patch, and have Fine Lithographs of him. They give complete record of all his Races and Fast Miles and are Free of Advertising. The large Lithograph will show Dan hitched as you see him in this engraving.

**IT WILL BE MAILED FREE—Postage Prepaid**

IF YOU ANSWER THE "TWO QUESTIONS" AND SEND FOR BOOK DESCRIBED ABOVE.

Bloomfield, N. J. The little book is published by the Long-Critchfield Corporation, Chicago.

For some time past the Kansas Farmer has been desirous of printing a picture of John Bollin's great herd-boar, Black Perfection 27132 and we are glad to be able to do so to-day. In the Leavenworth sale on February 26 there were sold 13 sows that were sired by him or bred to him that averaged \$50 per head. Black Perfection is the best breeder Mr. Bollin has ever owned and he yet has 10 fall boars of his get that are just like him and are for sale. Look at the picture of Black Perfection on page ... and than note the change in Mr. Bollin's advertisement on page 485 and write him.

In spite of exceedingly disagreeable weather which prevented the attendance of buyers at the Duroc combination sale held at Ottawa, Kans., on April 23, Mr. L. A. Keeler's consignment of twenty-two head averaged him \$21.50. This can not be considered a good price for the quality of hogs he had in the sale, but the abominable weather of that week was alone to blame. Mr. Keeler still has about one hundred head of these fine Durocs in his herd, a number of which are for sale. His stock is largely prize-winning stock which gained its honors in the most keenly contested ring of Duroc-Jersey hogs shown in the State last year.

We call attention to the characteristic announcement of our new advertiser, Clay Robinson & Co., who occupy a whole page of the Kansas Farmer this week. This is one of the greatest firms of live-stock commission merchants in the world. It was organized for business in September, 1886, and has made steady progress every year. This firm maintains offices at Chicago, Kansas City, South Omaha, Denver, and Sioux City, Iowa. At each of these places they have a complete staff of salesmen, office men, and solicitors. The very best men obtainable in the various special lines of work. The business has grown to great proportions and during the year 1903 they bought and sold 3,195,615 head of cattle, sheep, and hogs, which represents in cash handled in these transactions the enormous sum of \$49,778,494.39. The success achieved by this firm is owing to the efficiency of every member of the staff at the various markets represented who adhere rigidly to the motto of the firm—"Push, progress and perseverance." To those of our readers who desire to buy and sell stock we call attention to their advertisement in this issue.

At the last meeting of the board of directors of the International Live Stock Exposition at Chicago, it was decided that in order to increase and perfect the purposes of the International for the Exposition of 1905, and subsequent shows, no feeder cattle will be allowed to enter competition in feeder classes that have been removed from their respective dis-

(Continued on page 498.)

## HORSE SALE

By the Union Horse Sale Company.

Held at Wichita, Kansas, May 19th, 1904

ON FAIR GROUNDS.

Railroad, one fare plus 50 cents for the round trip. Some of the finest prospects ever put into a sale. For catalogue write

C. M. IRWIN, Manager.



## GERMS KILLED—CANCER CURED

NO PAIN! NO SURGERY!

Send Postal for 100-page Book, FREE, on the True Method of

PERMANENTLY CURING CANCER WITH NO PAIN  
DR. E. O. SMITH, 2836 Cherry Street, KANSAS CITY, MO.

## EPILEPSY

CURED FOR LIFE.—Over 5,000 will testify. Names furnished on application. Absolute guarantee in all cases accepted. We also cure Cancer, Rupture, Hydrocele, Varicocele, Piles, Fistula, and kindred diseases with one mild treatment.

GERMAN-AMERICAN DOCTORS, 912 Walnut St., Kansas City, Mo.

## KANSAS OIL FIELDS

Greatest Wealth Producing District in the Country.

Fortunes being made almost daily—anyone with a little ambition and energy can make a fortune without investing a dollar. Don't let the opportunity of a lifetime slip by. Look into this. Write for particulars and information.

Hundreds of oil operators and speculators from Pennsylvania and Ohio are quietly buying up choice leases and organizing companies, that pay several hundred per cent on investments.

WRITE AT ONCE

## THE MAYNE CO.,

BARNES BUILDING,  
CHANUTE, KANSAS.

## PERSONS OF EITHER SEX

Before or after marriage should know themselves. Ignorance of the laws of SELF AND SEX leads to misery and ill-health. Do not permit FALSE modesty to debar you from such knowledge. Know about the Process of Generation, Physical and Vital Properties of the Blood, the Organs of the Body.

A great deal of sickness and a great many doctors' bills might be saved to any family by keeping a copy of Dr. Pierce's great thousand-page free book, "The Common Sense Medical Adviser."

at hand. It gives valuable recipes for curing the diseases that are curable without a doctor and comprehensive information about Anatomy and Physiology with over three hundred illustrations. "The Common Sense Medical Adviser" is sent free on receipt of stamps to pay expense of mailing only. Send to Dr. R. V. Pierce, Buffalo, N. Y., 21 one-cent stamps for the book in paper covers, or 31 stamps for the cloth-bound volume.

When writing advertisers please mention this paper.



## The Young Folks.

CONDUCTED BY RUTH COWGILL.

### UNCROWNED KINGS.

Hurrah for wild towers  
Renowned in song and story!  
Hurrah for old-world powers,  
And knights and sages hoary!  
But a louder cheer for the strong, plain men  
That have made our country blest,  
The uncrowned kings and heroes  
Of our dear land in the West.

Hurrah for good men strong and true,  
Wherever they may be!  
But cheers of love for the nameless kings,  
Kings that gave us liberty!

Hurrah for homesteads cheering  
The desert, hill, and prairie!  
Hurrah for warriors clearing  
The forests wild and dreary!  
And a long, long cheer for the heroes all,  
Who would neither work nor rest,  
Till man was free as Heaven's winds,  
In the dear land of the West.

Hurrah for good men strong and true,  
Wherever they may be!  
But cheers of love for the nameless kings,  
Kings that gave us liberty!

—William Francis Ford.

### Over the Border—A Story of the Kansas Pioneers.

VI.

(Copyright 1904, by Ruth Cowgill.)

#### CHAPTER VIII.—AT HOME AGAIN.

The next morning when the sunlight and fresh air shone upon Sarah's fancies of the night, she was ashamed. Any one in love with her! It was preposterous. The moonlight had made her sentimental. She was terribly ashamed that such an idea had entered her head, and she put it out of her mind straightway, giving herself a mental shake. All this time she lay listening to her father "pottering around" in the kitchen, making the fire, and getting ready to milk their one cow, and feed the oxen. She heard him step to the frail ladder which led up to the room in which he and Henry slept, and call the boy, who answered sleepily. Then she arose and dressed and came out into the kitchen, as fair a little housemother in her clean grey calico as one could wish to see. She made her simple preparations for the frugal breakfast in the leisurely way which was habitual to her. And while she was about it, she heard the patter of little feet, and looking around, beheld her wee sister rushing upon her pell-mell in her delight after what seemed a long separation.

"Now, sweetheart," said Sarah, taking the pretty child in her lap, and bending her dark head over the fair one, "Now, sweetheart, we will get these clothes on quickly, and then we will have a nice long day to play. And thee can help sister, dear—put thy hand in here—that's it. Thee can bring Sarah some potatoes to peel, and thee can run out and gather a beautiful bouquet of daisies for father to see," and she prattled along while the child laughed gleefully, and shook her little feet and bobbed her little head, till Sarah had much ado to get her clothed. But at last it was accomplished.

"Now run to the box yonder, and wash thy little hands," directed Sarah, indicating a low box upon which were set a tin pan and a water-bucket, with which primitive utensils they all were wont to perform their toilet.

The child soon espied her father coming with the brimming pail of milk, and with a shout ran to meet him. He set his pail down and took her upon his shoulder, then marched with his double burden to the house.

In a short time they all gathered about the pine box which was their table, and upon which the fine white linen, the sparse array of silver, and the remnants of fine china and glass with the tin dishes and heavy crockery looked strangely incongruous. It was like a picnic, but a picnic that happened regularly three times a day.

There was much to talk of that morning, and they sat long about the table. They exchanged notes of their experiences of the day before. Henry had gone into town with them, but after their arrival at Lawrence they had seen nothing further of him till they returned. He had enjoyed the day thoroughly. The military com-

pany and the presentation of the flag had especially enthralled him.

"Didn't they look fine, father—all standing so straight and keeping step so fine? Some of 'em had guns, too—I shouldn't wonder if they got to use 'em some time, would thee, father?"

"I don't know, son. There are some rash men at Lawrence who are ready for anything—but I hope the saner counsel will prevail. A little longer waiting, a little more patience, and the thing will work itself out."

"What was all this talk I heard, father, about repudiation? Has the Legislature really met?" asked Sarah.

"Yes, child—did thee not hear? They convened last Second day and are making strange laws for us."

The father spoke indignantly, for the right of the ballot is very dear to the American citizen, and its infraction arouses the ire of the most patient and non-resisting.

"Father!" exclaimed Henry suddenly, noting the gleam in his father's eye, "Father, thee would like to fight them thyself!"

Nathan looked shocked.

"Nay, son," he said, "fighting would do more harm than good. If we should fight the bogus Legislature, we would be fighting the United States Government itself—for the Legislature has the President's sanction."

"Are they really making laws, father?" asked Sarah, curiously, remembering the drunken crowd she had seen on her first arrival, and wondering what sort of laws they would make.

"Yes, they are making laws—strange laws, too, indeed!" speaking to himself more than to the young ears listening with so inquisitive an interest.

"What kind of laws, father?" asked Henry.

"They make it a crime to speak a word in opposition to slavery; they threaten with death any one who would encourage or help a slave to gain his liberty. They are all preposterous laws, such as no one would try to enforce."

"It is just as Charles Robinson said, isn't it, father?" said Sarah.

"Yes—it is as he said," returned her father, slowly, "and Charles Robinson is a good man and has seemed a prudent one, yet—it was not wise to speak as he did. It could only stir up the people to new bitterness and to strife."

"But, father, that was just what he wanted," said Henry, sagaciously. "I heard some men talking about it, and they said it was what the people needed."

"No, no," said Nathan, "we need only to be patient and wait \* \* \*. But come, Henry"—getting up from the table and putting on the old broad felt hat which served him for all occasions—"come, we must attend to our work. Sarah, the peas are well grown and thee can go down to the garden and pick some for dinner."

"Goodie!" exclaimed Henry. "Makes me hungry already."

And thus after her one day of excitement and "dissipation," Sarah took up again the thread of her quiet, uneventful life.

#### CHAPTER IX.—A VISITOR.

Quiet and uneventful though Sarah's life was, nevertheless it was a pleasant one—at least she found it so. The country grew daily more beautiful to her eyes. From the little eminence upon which their house stood, she could look far away to the west and the north, the long reaches of undulating prairie unbroken save by the distant smoke of an Indian camp-fire rising still and lazy into the air. Upon the east was a higher hill, which shut out the distance, and upon the south she could see the faint trail of the Lawrence road, with its occasional slow-moving wagon or galloping pony.

She loved to take Belle out under a spreading tree that grew at some distance from the house, and watch that road, the link between her and the rest of the world, while she picked the flowers and hummed a little song

under her breath, or told wonderful stories to the serious-eyed baby.

One hot afternoon she had sought this place and lay with her head in Belle's little lap, while the little hand smoothed her hair and the soft little mouth occasionally stooped to kiss her.

"Run get me a daisy, sweetheart," she said, at last when the story was ended, "and we will tell our fortunes."

The child started obediently, but stopped suddenly and looking toward the south, said, "Man tummin'."

Sarah sat up quickly with a quickening of the breath, for she knew not who might come, whether friend or foe.

The man was close upon them when she arose with the simple dignity that was natural to her and then she saw that it was Howard Burk.

With relief, and the little flush which he had noticed already as seeming an accompaniment to her smile, she reached her hand up to him where he still sat upon his horse.

"May a weary wayfarer rest a moment under the shade of your tree?" he asked, playfully.

"Most certainly," she said, "Indeed we are very glad of another playfellow—aren't we, Baby Belle?" she asked.

But the baby was shy and sought a safe retreat behind Sarah. With a sigh of contentment, the young man, having turned his horse loose to graze, threw himself down upon the grass. "He'll not go far," he remarked.

He looked tired and worn, which made Sarah the kinder to him. For the maternal feeling is strong in every woman, and it is her instinct to comfort whatever is sad or ill.

"She seems afraid of me, doesn't she?" he asked a little uneasily, as the baby still eyed him suspiciously. "I know nothing about babies. How do you get at them? Here, my shy fairy princess, do you like apples?" And he took two big, inviting looking ones from his pocket, holding one toward the child.

"Oh, apples!" exclaimed Sarah, as the young man offered her one. "How good they look! I haven't tasted an apple since we came to Kansas," and she set her white teeth into its red side.

The baby smiled, too, and took the fruit graciously from his hand.

"She will be thy friend, now, I think," remarked Sarah.

"And you, too?" he asked, laughing, yet half wistfully.

"Ah, it takes more than apples, when one is older," said Sarah.

"What then?" asked Burk, looking at her intently.

She hesitated a moment, putting down an unaccountable impulse of coquetry. Then she said lightly, returning his look with her accustomed frankness and simplicity, "Oh, one expects good cheer—and honesty from one's friends, I think." Then, not abruptly, but with an apparent gentle passing from one thought to another, looking away over the hills, she said, "Does thee not think this is a beautiful country?"

"Beautiful! Yes! Except—" he hesitated and a shadow of the same bitter look she had seen once or twice before rested upon his face.

She divined that he was thinking of the question which was always in the minds of the people here. But he banished the thought, saying, "It seems not so beautiful to me as my own State of South Carolina. I suppose the place where one was born and raised is always the best."

"Yes," Sarah assented. "Tell me about thy home."

He lay back upon the sloping hillside and began to talk, watching her face with half-shut eyes.

Little Belle wandered about in the shade, pulling the flowers, and crooning a monotonous little tune to herself. He told of his boyhood and his school-days; of his mother, of whom he spoke with a tender reverence that pleased Sarah, and of his sisters, beautiful girls who were the belles of every ball and admired throughout all the gay society of the Southern city which was their home.

Sarah listened eagerly. The beauti-

ful, luxurious life of which he spoke delighted her imagination. She gathered from the atmosphere of his tale rather than from what he said, how charmingly idle and cultured was the gay life to which he had been accustomed. He had a rare charm of manner, and a deferential way of treating her.

She was enchanted, and asked eager questions, so that neither one noticed the swift passing of the time, till roused by Henry's voice, calling Sarah from the house.

"It must be supper-time," she said in surprise. "How swiftly the day has gone!"

Howard went toward his horse, which was browsing contentedly on the luscious prairie-grass.

"Will thee not eat supper with us?" asked Sarah, with the old-fashioned Quaker hospitality in which she had been brought up.

"Oh, no, thank you," he answered, with the flashing smile which sometimes came to his dark eyes. "I shall not reach my destination to-night, if I do not make haste," and he raised his hat as he mounted, and was off.

(To be continued.)

### Jays of Farm Life.

MRS. FREDERICK C. JOHNSON.

Life on a farm need not be narrow or lonely to any member of the family, for has not Nature strewn her treasures everywhere with a most lavish hand? Did you ever stroll through the yard and garden just as the day begins to dawn and look at the different shrubs, trees, and plants, all sparkling with dew, examine the unfolding buds and flowers, catching now the sweet fragrance of the lilac, and then passing on to enjoy the beauty and sweetness of the syringa, and thence to each tree, shrub, and plant, noting the individuality of each one? Then out into the meadow and pasture; see the different grasses and clovers all looking so fresh and green, all putting forth every effort to grow and fill the mission that God assigned them, and striving in their humble way to tell us that even a weed has beauty when viewed as a work of God.

Nature has a language all her own, and one must learn her lessons well to know how to read the pages as she turns them over. In the spring and summer plan little picnics to the woods or near-by stream, take a few friends with you and have a social time. Gather ferns, mosses, and lichens for decorating the home; so many lovely things can be made of these country treasures. And in the autumn there are the wild grapes, nuts of various kinds and the gorgeous leaves which are a bouquet in themselves.

Another great source of enjoyment on a farm is the long winter evenings for reading. If you do not have free mail delivery, there may be several days elapse before the mail is received, and then what a lot of good things there are to read, look over, and talk about around the center-table, with its bright, cheerful lamp, while the big, hard-coal base-burner is doing its share toward the evening's pleasantness. Each has his favorite paper and magazine, and as one finds some particularly pleasing story or bit of news, it is read aloud. I know of nothing that gives more pleasure, profit, and air of culture and refinement in a home than plenty of good books and papers. What a variety of literature there is to select from. In magazines for the home, what is better than the Century, Harpers, Cosmopolitan, The Twentieth Century Home, Country Life in America, Home Beautiful, etc? And of agricultural papers their name is legion. Those from the East and West, North and South should mingle. If you live West, do not say, we do not need an Eastern paper; or if East, a Western; there is much to learn in this interchange of ideas in different parts of our big country. There is good in all. Mix them up and select the gold from the dross, the wheat from the chaff. Let



there be pictures, good etchings and photographs of views in nature's studio. If you are interested in fine stock (as every one should be who lives in the country), have pictures of some special line. In our collection are fine views in oil, with lithographs, photographs, steel engraving and etchings of Jersey cattle, Herefords, and fine horses. These have been given and sent us by the owners and are greatly prized. There is great satisfaction in having fine horses, cattle and other domestic animals feel kindly towards you, knowing that you are their friend, and that they will receive no cruel or unkind treatment at your hands. And in learning how to feed and care for them, do not say you know, for there is much science connected with breeding and feeding stock, and in fact in everything pertaining to the farm. The more one studies these sciences the more interesting they become.

Pleasant surroundings have much to do with the farm home life. An easy carriage and good horses, for now and then a long or short drive adds to the pleasures and change in the routine of work. What is more exhilarating than holding the ribbons over a pair of fine, well-bred, well-broken horses that obey your word and touch? They seem more human than some people.

I should not forget music in the farm home, a piano if possible, for it answers to the touch like no other instrument if rightly handled. There is sweet music in the treetops where the birds do congregate, and in the morning how full of joy their notes to the awakening day. At eventide the notes are not so full and round but sweeter, and a trill of calling home sounds through the refrain.

There should be system, order and neatness in the farm home, which makes a vast difference in life on a farm. If each member of the home adopts it as his rule, how much enjoyment for all. Life on the farm is what we make it to a great extent. There are tangled threads in the skeins of all our lives, and the knots are hard to untie, but in the calm, peaceful atmosphere of the farm home near to Nature's heart, the tangles will be straightened more easily and more wisely.

"If I could put my words in song,  
And tell what's there enjoyed,  
All men would to my garden throng,  
And leave the city void."

## For the Little Ones

### THE AWAKENING.

"Dear old 'Mother Earth,' a little snow-drop said,  
Lifting up the covers of her cozy bed,  
"Do you hear the children crying for the flowers  
Sleeping in your bosom through the wintry hours?"

"Give me my white bonnet, tie its ribbons green;  
Send me on my journey, though the winds are keen;  
Bid me haste and tell them every blossom fair  
Soon will awaken, smiling, in the soft spring air."

—Mira Clarke Parsons.

### Theodore's Best Enemy.

"O, dear," sighed mother, "there comes Theodore's best enemy."

Aunt Marcie looked up from her crotcheting.

"His best enemy!" in surprise. "I suppose you mean best friend."

Mother sighed another gentle sigh, this one a little longer than the other. "No, but I wish I did," she said, "he's such a dear little enemy."

"Why!"—Aunt Marcie was looking out of the window—"it's—it must be the little boy Teddy told me about on the way up from the depot! He said he had a read sweater just like his own, and I'm certain he said they were very intimate—yes, I remember his very word, 'int'mate.'"

"They are," agreed mother. They are very 'int'mate'—enemies! Wait and see for yourself. It does not usually take very long."

Aunt Marcie waited—and saw. It took a little less than five minutes. All at once the beautiful sunshiny peace of out-of-doors was spoiled by an angry voice—two angry voices. They

both seemed to be trying to make the most noise.

"I didn't!"

"Yessir, you did!"

"No, you don't; I know!"

"Then I'm a-going right home, so there!"

"I just as lives—just as liveser, so!"

"He won't go home," mother murmured, the sorry creases in her dear face that the angry voices always creased, "not any farther than the gate. Then Theodore will call him back and they'll make up—and begin again."

"I see," nodded Aunt Marcie gravely, "I begin to understand. How long is there usually between?"

"Five, ten, fifteen minutes—or two minutes," mother said sorrowfully, "never more than fifteen minutes."

It was a little less than nine minutes by the dainty watch at Aunt Marcie's belt. The voices this time went up, up, up. There they stayed and said fierce, thready things as fast as they could say them. It was awful! Aunt Marcie shuddered.

"Something ought to be done," she exclaimed. "Why not try doughnuts?"

"I've tried those, and cookies and peppermints. They relieve, but never cure," mother rejoined sadly, "nothing cures. I am getting discouraged."

"Wait!" Aunt Marcie dropped her lapful of pretty wools and got up. "I think I have it—arbitration!" And she was gone, with a whirl of crisp skirts, out to the battlefield.

The two intimate little enemies, red-faced and wrathful, glared at each other. Between them on the gravel walk, lay a gritty-looking stick of candy. At sight of Aunt Marcie both children began to explain at once.

"He bit 'cross my mark!"

"No, I never!"

"Then he sucked 'cross it, so there, an' sucking is as bad as biting!"

The hard-pressed little enemy appealed to Aunt Marcie. "Never did an'thing 'cept suck my half."

"I saw his tongue!"

"'Twasn't either; it was his tongue he saw!"

"Huh, 'sif I couldn't tell!"

"They look just zackly alike, tongues do; it was his own tongue he saw, so!"

"O, wait!" exclaimed Aunt Marcie, laughing in spite of herself. Come up here and sit on this step, both of you. I want to tell you something. Ready? Well, when two countries fight—disagree," correcting herself politely, "and can't decide which is 'cross the enemy's line, they are obliged to settle the dispute by arbitration. Arbitration; it's a long word, isn't it? But it simply means choosing another country that isn't 'int'mate' with either of them to say which of them is right. Now if you were two little countries—"

"Play we were! I'll be 'Merica!"

"No, I want to be 'Merica!"

"America doesn't fl-quarrel," interposed Aunt Marcie gravely. "One of you can be—O, Russia, and the other one—er—Japan. Then we'll get Turkey to arbitrate! He shall decide who shall have the candy! Do you both agree?"

As if they would not agree to a play like that! The old gobbler was coaxed up, and the case—the gritty stick of candy—placed before him. He eyed it sagely—seemed to be weighing the claims of both hostile countries—stooped lower and lower—and gobbled it up! Turkey had arbitrated!

There was an instant's astonished silence, and then a new sound floated in mother's ears—a nice, friendly, jolly sound. Theodore and his best enemy were laughing at the top of their voices!

Aunt Marcie came back, smiling. "It's a pretty good way to settle disputes. Everybody's satisfied—even Turkey!"

"If it would only last!" laughed mother.

And oddly enough it did last. All the rest of the beautiful, sunshiny peace out-of-doors was undisturbed. And Theodore's best enemy when he went whistling home at night looked for all the world like Theodore's best friend!—Annie Hamilton Donnell, in *Congregationalist*.

# \$50,000.00 Cash Given Away TO USERS OF Lion Coffee

We are going to be more liberal than ever in 1904 to users of *Lion Coffee*. Not only will the Lion Heads, cut from the packages, be good, as heretofore, for the valuable premiums we have always given our customers, but

## In Addition to the Regular FREE Premiums

the same Lion Heads will entitle you to estimates in our \$50,000.00 *Grand Prize Contest*, which will make some of our patrons rich men and women. You can send as many estimates as desired. There will be

## Two Great Contests

The first contest will be on the July 4th attendance at the *St. Louis World's Fair*; the second relates to *Total Vote for President* to be cast Nov. 8, 1904. \$20,000.00 will be distributed in each of these contests, making \$40,000.00 on the two, and in order to make it more interesting, in addition to this amount we will give a

## Grand First Premium of \$5,000.00

to the one who is *nearest correct on both contests*, and thus your estimates have two opportunities of winning a big cash prize.

Five Lion Heads cut from Lion Coffee Packages and a 2c stamp entitle you (in addition to the regular free premiums) to one vote in either contest:



Printed blanks to vote on found in every Lion Coffee Package. The 2c Stamp covers the expense of our acknowledgment to you that your estimate is recorded.

### WORLD'S FAIR CONTEST

What will be the total attendance at the St. Louis World's Fair on July 4, 1904? At Chicago, July 4, 1893, the attendance was 283,273. For nearest correct estimates received in Woolson Spice Company's office, Toledo, Ohio, on or before June 30, 1904, we will give first prize for the nearest correct estimate, second prize to next nearest, etc., as follows:

1 First Prize	.....	\$2,500
1 Second Prize	.....	1,000
2 Prizes—\$500.00 each	.....	1,000
5 " — 200.00 each	.....	1,000
10 " — 100.00 each	.....	1,000
20 " — 50.00 " "	.....	1,000
50 " — 20.00 " "	.....	1,000
250 " — 10.00 " "	.....	2,500
1800 " — 5.00 " "	.....	9,000
2139 PRIZES	TOTAL,	\$20,000

### PRESIDENTIAL VOTE CONTEST

What will be the total Popular Vote cast for President (votes for all candidates combined) at the election November 8, 1904? In the 1900 election 13,959,853 people voted for President. For nearest correct estimates received in Woolson Spice Company's office, Toledo, Ohio, on or before November 5, 1904, we will give first prize for nearest correct estimate, second prize to next nearest, etc., as follows:

1 First Prize	.....	\$2,500
1 Second Prize	.....	1,000
2 Prizes—\$500.00 each	.....	1,000
5 " — 200.00 " "	.....	1,000
10 " — 100.00 " "	.....	1,000
20 " — 50.00 " "	.....	1,000
50 " — 20.00 " "	.....	1,000
250 " — 10.00 " "	.....	2,500
1800 " — 5.00 " "	.....	9,000
2139 PRIZES	TOTAL,	\$20,000

## 4279—PRIZES—4279

Distributed to the Public—aggregating \$45,000.00—in addition to which we shall give \$5,000.00 to Grocers' Clerks (see particulars in LION COFFEE cases) making a Grand Total of \$50,000.00.

Complete Detailed Particulars in Every Package of

# LION COFFEE

WOOLSON SPICE CO. (CONTEST DEPT.), TOLEDO, OHIO.



"FOLLOW THE FLAG"

## WABASH

—TO—

## ST. LOUIS.

"WORLD'S FAIR ROUTE"

## ONLY LINE TO WORLD'S FAIR MAIN ENTRANCE.

Five Daily Trains From Kansas City.

Shortest Line

Ask Your Agent for Tickets Over the  
WABASH.

H. C. SHIELDS,  
Trav. Pass. Agent.

L. S. McCLELLAN,  
Western Passenger Agent  
Kansas City, Mo.



## The Home Circle.

CONDUCTED BY RUTH COWGILL.

### SPRING HERALDED.

Oh! the sunshine told the bluebird  
And the bluebird told the brook,  
That the dandelions were peeping  
From the woodland's sheltered nook;  
So the brook was blithe and happy,  
And it babbled all the way  
As it ran to tell the river  
Of the coming of the May.

Then the river told the meadow  
And the meadow told the bee,  
That the tender buds were swelling  
On the old horse-chestnut tree;  
And the bee shook off its torpor,  
And it spread each gauzy wing  
As it flew to tell the flowers  
Of the coming of the spring.

Then each flower told its neighbor  
And each neighbor told its friend,  
That the stormy days were over  
And the winter at an end;  
While the blue sky smiled above them  
And the birds began to sing—  
And the land grew bright with gladness  
At the coming of the spring.

—S. Q. Lapius.

### The Doctrine of Cheerful Surroundings.

Much has been said and written about the doctrine of cheerfulness in the abstract. That happiness is almost wholly a condition of the mind is an admitted fact. If doubts and fears be set at rest, contentment takes up her abode in the house of the soul. Nothing contributes so much to contentment and general peace of mind as cheerful surroundings. It has been said that the way to a man's heart is through his stomach. With equal force it may be said that the way to his good nature is through his eyes. Squalid surroundings superinduce gloom. Of course, not all those people who have fine surroundings are happy. Far from it. And here comes the nice distinction between "fine" and "cheerful" surroundings. The man or woman who has worked hard to beautify the home surroundings has by that process been taught the value of appreciating it when it has been made an accomplished fact. Money doesn't bring cheerful surroundings unless backed by individual effort. If the proper effort be made, very little money is needed in most cases. A tree here, a shrub there—flowers, vines, blue-grass—all these are effective and easily available aids to contentment and good digestion. Help to make your surroundings more cheerful and contentment will cease to be an illusive sprite—hard to catch and harder to hold.

### Excellent Council from Many Sources.

Buttermilk will take out mildew stains.

Old napkins and table cloths make the very best glass cloths.

To take white stains from furniture rub with hot milk and turpentine, or oil and turpentine.

If the hands are rubbed on a stick of celery after peeling onions the odor will be entirely removed.

Oilcloth may be kept bright for many years if properly varnished each year with some good varnish.

A few tablespoonfuls of kerosene oil in a pail of warm water will facilitate the polishing of mirrors and windows.

Cakes will never burn at the bottom when baking if a little salt be sprinkled on the oven shelf under the cake tin.

An excellent and simple method of making a lamp throw out a clear, bright light is to place a small lump of camphor in the vessel with the oil.

When you mop the floors add to each pail of warm water two tablespoonfuls of carbolic acid. It leaves the wood in a sweet and healthy condition.

China, as soon as bought, should be placed in a vessel of cold water, each piece being separated from another by a little hay or torn-up newspaper. Gradually heat the water until it becomes nearly boiling; then let it be-

come cold. Remove the china from the water and wipe. This treatment will render the china much less liable to crack than if used before being boiled.

To keep mice away, scatter small pieces of camphor in your cupboards and drawers. They greatly dislike the smell of camphor and will go away from it.

Carpet moths may often be got rid of by scrubbing the floor with hot, strong salted water before laying the carpet, and a light sprinkling each week or two of salt brushed in.

To preserve the fresh green color of vegetables like peas, beans, etc., the lid of the saucepan should never be put on while they are cooking, as this will ruin their color; and never leave vegetables to stand in water after they are cooked.

Beeswax and salt will make rusty flat-irons as clean and smooth as glass. Tie a lump of wax in a rag, and keep it for that purpose. When the irons are hot, rub them first with the wax rag, then scour with a paper or cloth sprinkled with salt.

Hot water will often restore flowers to freshness, even when every petal is drooping. Place the stems in a cup of boiling water, and leave them until every leaf is smoothed out; then cut off the ends of the stems, and put the bouquet into lukewarm water.

Food articles that are damp should never be left in ordinary paper. Paper is made of wood pulp, rags, glue, lime, and similar substances intermixed with acids and chemicals. When damp it should not be allowed to come into contact with things that are to be eaten.

In ironing handkerchiefs, it is useful to remember that the middle should be ironed first; to iron the edges first causes the middle to swell out like a balloon, and makes it difficult to iron satisfactorily. Test the iron carefully before using it; a piece of rag should be at hand for this purpose.

One of the most important parts of washing is the assorting of the clothes. There are many stains which, like those of perspiration, disappear magically with a little cold water and soap, and others, like fruit and coffee, which must be treated with boiling water, but are permanently set by lukewarm water. If it is the practice of the family to soak all the clothes in cold water before the washing has begun, a great many stains will be permanently set; but if the various kinds of stains are carefully sorted out and properly treated, hours of rubbing will be saved.

Suet used either in the form of meat or fruit pastries is both hygienic and nourishing. In any place where shortening is used, finely chopped suet may take the place with creditable results, providing the dishes are served hot. No compound of which suet is a part should be eaten cold, as it is then neither palatable nor nourishing.

The average American housekeeper uses too little suet for the well-being of her family. If this were better understood, and a more liberal use were made of this natural animal food, more healthy, robust people would be the certain outcome.

Brown soaps usually contain rosin and soda, and are good for washing white clothes, but they should not be used for colored clothes or flannels, as soda bleaches the one and the rosin is injurious to the other. Use a good white soap for this purpose. All colored clothes should be dried as quickly as possible in the shade. Starched clothes are dried in the house in laundries, in order to keep them stiff. If they are yellow, they are bleached in the sun, and afterward starched and hung in the house to dry. Colored dresses which are trimmed or combined with white should be rinsed in water in which salt has been dissolved

in about the proportion of a tablespoonful of salt to a gallon of water. —N. Y. Tribune.

## Club Department

### OFFICERS OF STATE FEDERATION OF WOMEN'S CLUBS.

President.....Mrs. Cora G. Lewis, Kinsley  
Vice-Pres.....Mrs. Kate E. Appling, Council Grove  
Corresponding Secy.....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 County (1888).  
Ladies' Crescent Club, Tully, Hawkins 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).  
Challitso Club, Highland Park, Shawnee County (1902).  
Cultus Club, Phillipsburg, Phillips County (1902).  
Literary Club, Ford, Ford County (1903).  
Sabbath 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. 8, (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.]

A certain Aid Society of a town church had a unique, and peculiarly enjoyable meeting, which was profitable, as well, in a practical way.

There was provided a program, which was crisp and brief and entertaining. It consisted of five papers, or talks, of five-minute length, by members. The first was on "The Ideal Home," the second "Daughters as Home-makers," the third, "The Relation of the Club to the Home," next, "Mistress and Maid" (which in the country might be varied, or supplemented, by one on "The Place of the Hired Man in the Home, and His Influence Therein"); and lastly, "Cooperative Housekeeping."

With a little music, the program was completed, and the society adjourned for the social hour. The women had been asked to bring something of their own cookery. One brought a loaf of bread, others cakes, pies, etc. These donated articles were then sold at reasonable prices to the members, and every one was surprised at the readiness with which the cookery was bought. Everything was sold and twice as much could have been disposed of easily. The reason of this is not far to seek, I think. Every woman gets tired of her own cookery, things get to tasting alike, and food prepared by some one else tastes better, even though it may not be so good. A chance then to eat from some one else's table, so to speak, is not to be slighted. At any rate, all the women came home from this affair feeling refreshed and cheerful, and I have heard of no complaining as to the quality of her purchase nor the price paid for it. This account is given as a partial reply to the inquiries from clubs as to how to raise money for the church or the school, civic improvement, or the Traveling Library fund.

"We are just beginning to realize the broadening influence of social life. The old-world idea that pleasure and the arts were intended for the rich, and work for the poor, is giving way to the new idea that pleasure and culture should be the common inheritance of all."

Never apologize. Your imperfections do not need to be pointed out, and in nine cases out of ten will not be discovered if you "keep still about it."

Appear to be at ease, even if your hands and knees are shaking and your throat refuses to respond. Wait a moment; then go on.

"The club has been aptly called the middle-aged woman's college."

# YEAST FOAM

Good bread bakers, as well as beginners, can always learn something new about making bread. Send for our bread book, which explains how

## To Make Bread

with Yeast Foam—the best yeast in the world. Yeast Foam is made of wholesome vegetable ingredients, and contains the secret of that sweet, nutty, wheaty taste which is the delight of all good home-keepers.

**The secret is in the yeast.**

Yeast Foam is sold by all grocers at 5c a package—enough to make 40 loaves. Write for the book, "How to Make Bread"—free.

**NORTHWESTERN YEAST CO.,**  
Chicago

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The CELEBRATED BECKWITH PIANO GRAND 25-YEAR GUARANTEED PIANOS.

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For the most liberal piano offer ever heard of write for our Free Piano Catalogue, and you will receive by return mail, free, postpaid, the handsomest, most interesting and most complete Special Piano Catalogue ever published. We will send you a facsimile of our celebrated 25-year guarantee, our one year's free trial plan will be fully explained, how we furnish pianos on trial without one cent of money being sent to us will be made very clear; you will receive facsimile letters from the largest Chicago banks endorsing our proposition and we will explain just what the freight will be to your town. In the special catalogue we show large, handsome, half-tone illustrations and complete descriptions of all the different parts, the manner of construction (interior and sectional views), also color tone sample plates of the different woods, including French burled walnut, English quarter sawed oak, San Domingo figured mahogany, etc. Each piano is shown in very large half-tone, full plate illustrations, every detail is fully and accurately described. Why the highest grade Beckwith Piano made, the Acme Cabinet Grand Concert Piano at \$165.00, is in every essential point the equal of ANY PIANO made, regardless of price, is made very clear.

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## Summer School for Teachers

There will be a summer school in Domestic Science at the Kansas State Agricultural College. The work will include cooking, sewing, and floriculture, and will cover the requirements for the one-year certificate. Begins May 31st and closes July 29th, 1904. The incidental fee will be \$3.00. Board and rooms can be had at reasonable rates. For further information address

Pres. E. R. NICHOLS, Manhattan, Ks.

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Eyes Examined Free by mail.

**Largest Optical Mail Order House in the West.**

Any style glasses for \$1. Write for free examination sheet and illustrated catalogue. Satisfaction guaranteed. R. H. Baker Co., 624 Kansas Ave., Topeka, Kans.

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By a Scientific and Ever-failing Process. No knife, no pain, absolutely no danger. IN TEN DAYS THE PATIENT IS SOUND AND WELL—cured to stay cured. Write for proofs, booklet, etc., FREE.

DR. O. H. RIGGS, 208-J, Altman Bldg., Kansas City, Mo.



## Miscellany.

### A Paint Question.

EDITOR KANSAS FARMER:—As there is an oil field being developed near here I would like to know if this crude oil could not be made into some kind of paint. I thought that perhaps some of your subscribers might be able to tell us what ingredients to mix with it, and in just what quantities to make good paint. Geo. W. SMITH. Elk County.

### Joint Note.

EDITOR KANSAS FARMER:—Sixteen men buy a stallion and agree to pay \$200 each for one share. They give a joint note and the note is sold by the company to a bank. Is each one liable for more than \$200 if some fail to pay their share? There has been a decision in Iowa to the effect that they are not. Will that apply to Kansas? G. E. MESKER. Sumner County.

Each signer of a joint note is liable for the entire amount, unless otherwise specified in the writing, which in that case becomes a special contract.

The writer has not looked up the Iowa decision mentioned, but it is safe to assume that the note involved contained provisions other than those of an ordinary joint note.

### An Energetic County School Superintendent.

The superintendent of schools in Winnebago County, Illinois, Mr. O. J. Kern, of Rockford, is a firm believer in the value of education in agriculture and horticulture for the children, and shows his faith by his works. He has been indefatigable in working out his plans to this end. He organized a Farmer Boys' Experiment Club, February 22, 1902, which met in his office to listen to talks from the professors in the agricultural colleges. In October, 1903, this club had a membership of 340 boys, ranging in age from nine to twenty. He had taken the boys and their parents on excursions to the Urbana Experiment Station and Agricultural College, where they were shown the laboratory and testing work, growing crops, etc. One hundred and thirty boys and 150 adults went on the first of these excursions, and a total of 204 on the second. Only thirteen of the party were the same persons, the object being to extend the interest and benefit as widely as possible. Experimental work is done by the boys in testing the vitality of seeds, planting corn and noting stages of growth, and in growing sugar-beets. During last summer the boys held meetings at various farms. For the past fall and winter, Mr. Kern arranged monthly lectures for the Farmer Boys' Experiment Club, the Girls' Home Culture Club—the latter another outgrowth of the county superintendent's plans—and the parents of Winnebago County. Through his influence, also, school-gardens have been started in some fifteen districts of the county. Last spring every township had a graduation exercise with a program of subjects relating to the beautifying of school premises. The discussions at the teachers' conventions have been largely given to similar topics.—Annie E. S. Beard, in The World To-Day for May.

### Farm Notes.

N. J. SHEPHERD, ELDON, MO.

Train horses with a view to endurance.

With fruit, make quality rather than quantity the aim.

Good blood will tell, even in the breeding of mules.

As a rule, sheep will pay better if kept in small flocks.

Superior merit must be the aim in growing mutton and wool.

Usually when cream refuses to come, it is because it has not been well cared for.

Blood is everything in breeding animals where merit is the object in the offspring.

Besides the profitableness in grow-

ing better animals there is always a demand for such stock.

No animal is so perfect that it may not be impaired or ruined by poor feeding or care.

It is always well to study the markets and attempt as nearly as possible to meet their requirements.

A cow is very sensitive and milking should be commenced gently, and the rapidity of the operation increased until the udder is emptied.

Cattle at no time fatten so rapidly as when upon good grass or give so liberal return for grain fed.

With nearly all classes of stock the more rapidly the animals are fattened and finished the greater the profits.

In planting out an orchard be sure to give each tree abundance of room for its roots and the top access to sunlight.

Stock of almost every kind will injure a young orchard and should not be allowed there until the trees are well established.

In feeding, where rapid fattening is the object, the animals should be given the kind of food they relish most, and of which they will eat the largest quantity.

The law of supply and demand largely determines the price of commodities, but the cost of production largely determines their profitableness.

The voidings of the sheep make one of the best and richest fertilizers known and should be saved in the most economical manner possible.

The growth of wool made during the season depends very much on the condition of the sheep and the care and feed which are given them.

It is easier to keep an animal in a good, thrifty condition than to make it so, and the better plan is to get it into a good condition soon after birth and keep it so.

So far as is possible the work should be laid out and arranged so that wet and inclement weather may delay as little as possible. It does not pay to expose work-teams when it can be avoided.

Good management is as essential on the farm as elsewhere. The farmer may work hard and be economical, yet if he does not manage his business in a businesslike way, ruin may stare him in the face.

One argument in favor of winter dairying is that the cows give a more regular quantity of milk and of more uniform quality because the feed is more regular in quality and quantity.

Horses may on an average get one-half of their value through blood and breeding, and it is certain that nearly as much can be added through care and training.

### Farm Help.

EDITOR KANSAS FARMER:—What is the great farm-help problem so many people are worrying about? Is it to help to elevate the farm-hand, or is it to put a larger profit into the farmer's pocket? Farm-hands reminds us of a great remnant sale; they are all classed as one grade. The farmer will take whatever he gets a chance at first—as it is all of the same price, and he can not see any difference in quality.

Where do the great army of farm-hands come from? A great many, to my knowledge, are from over-production, in accordance with the ability of the parents to feed and educate properly. The poor creature is put to work as soon as he can drive a cow or lug a jug of water—worked from daylight till dark, from one year's end to the other. He gets a few clothes, and that is about all. As soon as he is big enough, he is "hired out," as the New Yorker terms it, and his doom is sealed. He knows nothing but work—and more work. Instead of having a chance to go to school, and be taught, and prepared to meet and fight the battles of life, he is made a slave and is branded the rest of his days, till he can save enough to start in business for himself.

As a rule, the hired man's position is not from choice, but is compulsory. He knows nothing else, and he must work or else be a "bum." Who is to blame? The more experience he gets

# The Survival of the Fittest.

The advertising pages of the papers have been for some time past particularly noticeable for advertisements of new mixtures and compounds professing to cure many serious diseases. Numbers of sufferers have been induced by the publication of strange stories of sensational cures, or "telling testimonials" in appealing language, to give these so-called remedies a trial. In many cases what bitter disappointment must have resulted! But, fortunately, wise folk generally refrain from experimenting on their health with strange nostrums. These people keep well and robust by taking from time to time, and in due season, the thoroughly tried and undoubted remedy, BEECHAM'S PILLS, the World's Family Medicine. Always keep handy the "Little Doctor" in the home.

## Medicines Come and Medicines Go

But

# BEECHAM'S PILLS

Go on Forever.

BEECHAM'S PILLS are mild and pleasant but so vigorous in action they go right to the spot and remove the obstruction. BEECHAM'S PILLS are unrivalled for quickly putting a person into health and vigor—they leave the stomach sweet and clean, the eye bright and clear, the brain quick and active, digestion and appetite perfect, and ensure sound and refreshing sleep. Get your liver working right and you will be healthy and happy. It is a positive fact that BEECHAM'S PILLS act as if by magic and will not upset you while they work.

## WORTH A GUINEA A BOX.

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

## For People Who Are in a Hurry

The Rock Island System has an immense advantage over all other western railroads, as regards the location of its terminals in Chicago.

In addition to the La Salle Street Station—in the very heart of Chicago, and the largest and finest railroad station in that city—it has a station at Englewood, seven miles out.

This latter station is used by several eastern lines, as well as by the Rock Island. Here is where its convenience comes in: Suppose your train is a few minutes late. You get off at Englewood, walk across the platform and get on the east-bound train. It is a splendid arrangement for people who are in a hurry. It enables them to make connections with trains that they would have missed if they had taken any other line. Chicago trains leave Topeka at 6:15 a. m. and 3:35 p. m., daily. For reservations, etc., see



A. W. LACEY,  
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as a hired man, and the longer he is bumped around in the farm-hand business, the less he cares whether he makes his boss anything or not; because he has been over this same old road and the more you do for most farmers the more they expect you to do. They are perfectly willing for you to do two men's work if you will. They never object if you do the work of a day and a half in one day. I have worked eighteen hours many a day, and got nothing extra for it.

In a great many places the farm-hand is looked upon by the majority of the people as a necessary tool or animal. As soon as the farmer gets all the work out of him he wants or has, he turns him out, and tells him "Go and look out for yourself, I've got my work all done for this year."

I worked for one man who at one time let me work one month longer than was agreed, then told me to make my headquarters at his house while I was looking around for a place. My good will is with that kind of a man.

I've seen people turn up their noses and say, "That's only Jones' hired hand; he's nobody." You do not need to tell me the lack of quality is the fault of the farm-hands. I've been in the business for nearly ten years. Have worked for a great many types of farmers. Some of them I would not work for again at any price. Others it would be a pleasure to remain with.

I consider farm-work just as honorable and as scientific as any business. When you go into a store or place of business in a town or city, do you ask for a certain "hired hand?" Or do you use more respectable and appropriate language to find the desired person? Where do you draw the line? Does not a clerk work for a living the same as a farm-hand? Does he not have a boss over him? He may possibly have on a white shirt, necktie and collar, and have his shoes blacked, while the farm-hand can not very well use such style in his business.

The situation will not be bettered until the farm-hands are registered and furnished with a certificate stating their experience, responsibility, and capability. It will not only make it easier for the deserving farm-hands to secure desirable positions, but will enable the farmers to know what class of men they are securing; and will

give them a basis on which to figure wages.

I really pity some farm-hands, especially boys, for what they endure. But they learn by a good teacher (experience). If it would better the state of things any, I could relate some instances that I have known and some I have experienced as a hired-man, that would make some people wonder.

In conclusion, let me say, if you are fortunate enough to secure the help of a worthy man or boy, permit him to think his life at least is his own. Give him a place among men. Treat him like a human being; do not work the last speck of energy out of him, and then grumble because he did not do more. Put yourself in his place, and treat him as you would like to be treated. Keep him as long as you can; the longer he stays and works well, the more valuable he is. Do you desire to solve the hired-man problem, and will you do your part to help? A READER.  
Kingman County.

#### THE FOLLY OF FADS.

(Continued from page 481.)

having such possibilities and such actual positive utilities as corn, and you have for the product of the fifth year 17,857,321,428 ÷ \$0.50 = \$8,428,660,714. Cut it in two and you are several times the richest man in the world. Divide it by eight and you are still a billionaire."

The promoter admonishes you to remember that all this wealth, not counting what you may do in the future, comes from the meager start of one grain of corn, in the short space of five years' time."

He then goes off into instructions about growing corn, into rhapsodies about its usefulness and into praises of the Divine providence which gave this gift to man. He invites you to test the figures for yourself, to refer to any reputable corn-grower as to its productiveness, etc. Of course, he has taken no account of the cost of cultivation and ground rent. He was not figuring that part.

Before going into ginseng—or any other fad, even though it be a good-looking cooperative scheme—readers of the KANSAS FARMER will do well to recall the case of corn as presented by the supposed corn-promoter; they will do well to examine and see whether the principal part of the cost of producing the results pictured has not been omitted; whether a false glamor has not been cast over the entire presentation for the purpose of getting people's money, and that without due regard for the interests of those who will contribute to the promoter's coffers.

"Figures won't lie; but, how liars will figure!"

#### BLOCKS OF TWO.

The regular subscription price of 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 April, 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."



#### HOW HEALTH IS GAINED

The story of a great deal of the unhappiness of women is a story of lost health. Women wonder how it is that little by little the form loses plumpness, the cheeks grow hollow and

sallow, and they feel tired and worn-out all the time. In a large proportion of cases when women are weak, run-down and falling off in flesh and looks, the root of the trouble can be traced to womanly diseases which undermine the general health. The proof of this is that women who have been cured of painful womanly diseases by the use of Dr. Pierce's Favorite Prescription have recovered their general health, gained in flesh and in appearance.

Dr. Pierce's Favorite Prescription cures the womanly diseases which sap the general health. It establishes regularity, dries weakening drains, heals inflammation and ulceration and cures female weakness.

"I suffered for three years with ovarian trouble," writes Mrs. Anna Quinn (Treasurer Woman's Athletic Club), of 602 Sycamore St., Milwaukee, Wis. "The treatment I took did not do me a particle of good, until a good neighbor who had been using Dr. Pierce's Favorite Prescription advised me to give it a trial. The next day took my first dose, and it was my first step toward recovery. In nine weeks I was a different woman; my flesh which had been flabby became firm, complexion clear and my eyes bright. It was simply an indication of the great change within from pain and suffering to health and happiness."

"Favorite Prescription" makes weak women strong, sick women well. Accept no substitute for the medicine which works wonders for weak women.

Dr. Pierce's Pleasant Pellets invigorate stomach, liver and bowels.

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HOW WILL THEY GET ALONG?

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JAMES W. STEVENS, President.

### Makes the Struggle Easier

For information concerning income Policies address the head office

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#### Some Practical Experience.

EDITOR KANSAS FARMER:—It may be of interest to some to know how we sowed our alfalfa. Having about 100 acres to drill, sowing ten pounds each way, the task of mixing the seed with bran or sawdust (we used sawdust) was no small item. It required the work of three men to mix the seed for three drills. We at last hit upon the plan of attaching the seed-spouts to the small spouts on the seeder-attachment. Then setting it to sow six quarts per acre, we secured nearly the desired amount, thus doing away with the extra labor of mixing the seed.

Early in March, one of our young sows farrowed seven pigs, all of which were strong and healthy; but it soon became apparent that they were not doing well. On the third day we found they were not getting milk enough. So we secured a bottle and rubber nipple and gave them four ounces of fresh cow's milk, heated to 80°, twice daily, increasing gradually until at 2 weeks old they were getting one quart daily. From then on the quantity given them by bottle was gradually diminished, as they soon learned to drink from the trough. Now, at 6 weeks old, they are among the finest in the herd. C. DORYLAND.  
Labette County.

#### Publisher's Paragraphs.

Because of the enormous use of crude petroleum and its products in the arts and for domestic purposes, and because of the fact that the supply in the famous oil-fields of Pennsylvania is failing, and because of the further fact that the Kansas oil-field promises soon to be the greatest in the world, the Standard Oil Company is said to be preparing to build at Kansas City the largest refiner in the world at a cost of several million dollars. This expenditure includes the laying of pipe-lines and the building of pumping stations to carry the oil from Chanute, Neodesha and other collecting centers to Kansas City. Because of these facts and because of the fact that great fortunes have been made in the last few years in the Kansas oil-fields, there is a strong interest taken by our citizens generally in their development and a great desire is manifested to secure property on which oil or gas may be found. Many people hesitate about making investments of this kind because of the uncertainty existing as to where they can secure a reliable agent. If our readers will look on page 487 and note the advertisement of the Mayne Company, Barnes Bldg., Chanute, Kans., and write them they will secure reliable information in return.

"The best way to beat competition is to sell a better article than the other fellows does." This is the motto of the manufacturers of the Hero Furnace, advertised on page 500. The Charles Smith Company, 122 Lake Street, Chicago, began the manufacture of this furnace a few years since with an entirely local trade. It has grown to such an extent that there are now more than 500 dealers in the West who are handling it, and during the last year more than one-half of all the output of furnaces from the factory has been sold to farming communities. It will burn either hard or soft coal or wood with equal satisfaction. It has double return flues in the radiator which make of it a great fuel-saver and this certainly is an object in Kansas. Another important fact is that it is man-

ufactured in six sizes and so arranged as to furnish hot water to any portion of the house or to heat the house by combination of the hot-air and hot-water systems. In other words, some rooms in the house can be heated with hot water and others with hot air and every room in the house supplied with hot water if so desired. The Hero furnace is a winner and now is the time to begin to make plans for fighting old Boreas next winter. Some people hesitate to invest in a furnace because of the initial cost of the plant. We find, however, from experience that the first cost of the Hero is not great while the saving in fuel and the increased efficiency makes it a cheap investment. Write to the Chas. Smith Company, 122 Lake Street, Chicago, for one of the handsomest catalogues you ever had.

#### Piggies' Troubles.

This is a neat booklet that should be read by all hog-raisers as well as stock-men in general.

Knowing of the enormous loss of swine from cholera, the Zenner Disinfectant Company, 61 Bates Street, Detroit, Mich., have secured very valuable information on this subject from several of the best known specialists of bacterial diseases, as well as most successful swine-breeders in the country. It contains a list of diseases swine are likely to contract, and gives treatment for each one, telling how to distinguish diseases by the symptoms, and what to do to relieve the trouble.

It is neatly printed, compact, convenient in size, and written in language that the farmer will easily comprehend. Every owner of swine should have one of these books, and there is no reason why one should not be kept for ready reference, for the publishers offer to send one absolutely free to the readers of Kansas Farmer who ask for one. It is worth dollars to every one who has sick and ailing hogs, no matter what the trouble may be. The preparation, Zenoleum, has been found to give most satisfactory results as a disinfectant against hog-cholera and killing nearly all kinds of external parasites on farm stock, as well as for many internal diseases. It is a remedy for mange, eczema, rash, and other skin diseases of cattle, horses and sheep, as well as swine. It is very reasonable in price and is used and recommended by veterinarians generally. Write for one of these books, mentioning this paper, and it will be sent free and post-paid.

#### The Clipper Well Drill.

Well-drillers, coal-prospectors, and deep-hole contractors generally, will be interested in the latest developed rig for that sort of work. The "Clipper" Well Drill—the drill that drills—has justly been styled "The Driller's Friend," having earned that title by its performances in actual use. But the improved Clipper is so far in advance of any similar machine that it is destined to open new possibilities for the well-driller and prospector, who will find it the most rapid, the surest driller ever devised for either solid or hollow pipe tools. Gives to the tools that long swing stroke that "earns the money"—not the short, jiggling motion that is slow and costly. For further particulars, and to insure getting the best rig made, write the manufacturers about the Clipper. Address Loomis Machine Co., Tiffin, Ohio.

#### First and Third Tuesday of Each Month

The Chicago Great Western Railway will sell Homeseekers' Tickets at one fare plus \$2 to points in Alabama, Arkansas, Colorado, Florida, Georgia, Kansas, Kentucky, Louisiana, Mexico, Mississippi, Missouri, Nebraska, New Mexico, North Carolina, Oklahoma, Tennessee, Texas, Utah, Virginia, and Wyoming. For further information apply to any Great Western Agent, or J. P. Elmer, G. P. A., Chicago, Ill.

When writing advertisers please mention this paper.

## PILES

**NO MONEY TILL CURED. 25 YEARS ESTABLISHED.**  
We send FREE and postpaid a 200 page treatise on Piles, Fistula and Diseases of the Rectum; also 100 page illus. treatise on Diseases of Women. Of the thousands cured by our mild method, none paid a cent till cured—we furnish their names on application.  
**DRS. THORNTON & MINOR, 1007 Oak St., Kansas City, Mo.**



WEEKLY WEATHER CROP BULLETIN.

Weekly weather crop bulletin for the Kansas Weather Service, for the week ending May 2, 1904, prepared by T. B. Jennings, Station Director.

GENERAL CONDITIONS.

The week was cool, the nights generally being cold. The precipitation has been abundant in most of the counties, superabundant in some. A snowstorm occurred in the northwestern counties the first of the week.

RESULTS.

EASTERN DIVISION.

Wheat has improved very much except in Doniphan where it is still quite backward and in the central eastern counties where the bottom fields have been overflooded; it is jointing as far north as Greenwood. Corn-planting has progressed where the ground was dry enough; the early planted is coming up as far north as Chase while cultivation has begun in the extreme south; the weather is still too cool for good results. Oats are improving, but, owing to the cool weather, not as rapidly as desired. Prairie-grass has made slow progress owing to the cool weather; blue-grass is furnishing very good pasture, and in Montgomery is heading. Alfalfa is growing well, and in Montgomery is twelve inches high. Fruits are giving very good promise. Early apples are coming into bloom in the northern counties, are in full bloom in the central, have finished blooming in the southern where they are setting quite full. Peaches are blooming in the northern counties and the bloom is disappearing in the central. In Atchison the seedling peaches are heavily loaded with blossoms. Budded peaches are not doing as well as the seedling. Cherries are in full bloom in the central counties. Pears are blooming in the central and beginning to bloom in the northern counties. Plums are blooming in the central and northern counties, though in Johnson the Japanese plums were killed. Early strawberries are blossoming in the central counties; in Cherokee the early strawberries were damaged but the late are promising well. Gardens have improved considerably during the week.

Allen County.—The weather has been favorable for the growth of vegetation during the past week.

Anderson.—Heavy rains have damaged crops on sloping and low lands; ground has been too wet to work but is now in good condition; wheat and oats growing well; corn-planting retarded by wet weather; cattle going to pasture.

Atchison.—Seedling peaches, plums and cherries very full of bloom; hardly any bloom on budded peaches; apples almost out of bloom; only a little corn planted; fields too wet to get into all week; oats look fairly well; more sunshine and less rain needed.

Bourbon.—Corn-planting nearly finished; some talk of corn rotting in the ground; some corn is up; the hard beating rains left the ground in bad condition for corn to come up; oats and grass have made slow progress on account of cool weather.

Brown.—Wheat, oats, and grass made good advancement this week; oats all sown; the ground will soon be dry enough to begin planting corn; ground has been too wet for

in fine condition; corn-planting not yet begun; grass growing well; peaches and plums in bloom; the peach crop will be light; apples promise better.

Lin.—Farmwork delayed by rains; some of the corn will have to be planted again; wheat is growing well and looks fine; oats look well; crops badly damaged on overflooded land.

Lyon.—All crops doing well; warm weather has caused rapid growth.

Marshall.—Corn-planting delayed by wet weather; ground badly washed and early-planted corn damaged; wheat looks very fine; grass is good; fruit-trees just coming into bloom.

Miami.—Heavy rains have damaged wheat on low lands; oats in bad condition; grass fine; farmwork delayed by wet weather.

Montgomery.—Oats and wheat doing well; grass improved; alfalfa a foot high and blue-grass heading; corn about all planted; some of first planted cultivated.

Morris.—Good week for farmwork; corn one-third planted; rye, wheat and oats growing rapidly; blue-grass and alfalfa fine; cherries and early apples promise a full crop.

Osage.—Too wet for farmwork; gardens and grass growing nicely; wheat in good condition.

Pottawatomie.—Corn-planting progressing nicely; pastures becoming good; blue-grass heading out; apples coming into bloom; week favorable for all crops.

Riley.—Strawberries in bloom; a good crop promised; grass growing well; cattle turned on pasture this week; a fine week for farmwork.

Shawnee.—Farmwork stopped by rains; much corn ground prepared; planting will begin as soon as ground is dry enough; wheat, oats and rye growing rapidly; potatoes planted; gardens coming on nicely; pastures and meadows getting green; some cattle on pasture; peaches going out of bloom; fair prospects for fruit.

Wilson.—Corn coming up but is not of good color; wheat spotted and some quite short; ground thoroughly soaked, and some crust over the corn-fields; ground too wet to work; oats improving but still rather short; grass growing and cattle being turned to pasture; crops damaged by flood in river bottom.

Woodson.—Too wet for farmwork; corn coming up with a good stand on upland; considerable replanting to be done in bottom; alfalfa and clover fine; cattle on grass and doing well; gardens and potatoes growing well.

Wyandotte.—Not much corn planted yet; grass and wheat looks well; cherries, pears and plums in full bloom; apples ready to bloom.

MIDDLE DIVISION.

Wheat has improved very much. The soft wheat has begun to head in Harper. Corn-planting has progressed, and in the southern counties the early planted is coming up; in Harper it is being harrowed and in Sumner is being cultivated. Oats are growing fairly well. Barley is coming up. Early potatoes are up and in Sedgwick are being cultivated. Alfalfa is doing finely but the prairie-grass is slow in growth. Peaches are blooming in the north, but in Cowley only a light crop is promised. Apples give good promise. Cherries are in full bloom in the central counties. Gardens are now doing well. Sorghum and millet are being sown in Sumner.

Barber.—Corn-planting nearly completed; rains have been beneficial to crops; grass growing well now; alfalfa making rapid

To Farm Dairymen:



We told you three years ago that the man who shipped his cream direct to some good, reliable firm would realize more out of his product than he could in any other way.

We were right then, and we are right now when we tell you we will put a larger check into your hands each month for your product, than any other concern can do.

Write for shipping tags.

We sell the world-renowned EMPIRE CREAM SEPARATOR.

Blue Valley Creamery Co., ST. JOSEPH, MO.

plowing and corn-planting drawing to a close; pastures in fine condition; fruit well set.

McPherson.—Heavy rains soaked the ground greatly benefiting wheat and oats; oats had not come up well and the stand thin; corn mostly planted; grass growing now.

Mitchell.—A good growing week. Osborne.—Early wheat greatly benefited by rains of the past week; corn-planting and alfalfa-sowing in progress; grass starting nicely; trees coming into leaf.

Ottawa.—All crops in good condition; early potatoes ready to cultivate; gardens improving; alfalfa and grass growing nicely, with prospects for pasture by May 10; corn-planting nearly finished; cherries and apples in full bloom, with prospect for good setting.

Pawnee.—Wheat doing fairly well; barley and oats coming up very unevenly; corn coming up well.

Phillips.—Warm showers have made the wheat and alfalfa look fine; corn-planting well advanced; fruit-trees full of bloom.

Reno.—Soll in fine condition; crops doing well.

Republic.—Wheat, oats, and alfalfa doing well; not much corn planted; season ten days late.

Russell.—A fine week for corn-planting; wheat doing well, also gardens and pastures.

Saline.—Some bottom land too wet to work; wheat and oats doing well; apple-trees in full bloom; canker-worms bad in some orchards.

Sedgwick.—A fine growing week; wheat very good; oats good; early corn up and looks well; alfalfa fine; will soon be ready to cut; early potatoes being cultivated.

Smith.—A good growing week; small grain improving; wheat promises a fair crop; alfalfa coming on finely; wild grass starting nicely; corn-planting general; gardens look well; peaches and apples in bloom.

Stafford.—The rains have been beneficial to wheat; all growing crops look well.

Sumner.—Corn coming up; some being cultivated; cane and millet-sowing in progress; pastures starting slowly.

Washington.—Wheat doing well; oats beginning to grow; alfalfa making fair growth and looking well; grass beginning to grow; considerable corn planted; peaches and plums in bloom; apples promise a fair crop; many farmers harrowing wheat and oats to break the crust.

WESTERN DIVISION.

Wheat has improved in Sheridan and Thomas Counties. In Ness and Norton Counties the early-sown wheat is improving, the late-sown is not. Finney will raise but little wheat, unless it be macaroni. Corn-planting is progressing in the northern counties. Oats and barley are starting slowly in the south but making good growth in the north. Rye is improving in Sheridan. Alfalfa has made a good growth in the northern counties and is three inches high in Norton. Grass is starting well in the northern, slowly in the southern counties. Apples are in full bloom in Lane while cherries and crab-apples are in bloom in Thomas County.

Decatur.—The rains have revived vegetation; grass starting nicely; corn-planting progressing rapidly.

Finney.—Rains beneficial to range-grass and alfalfa, and will bring up the oats and barley; will have no wheat except macaroni; a good fruit crop promised.

Ford.—Wheat doing well; grass, oats, and barley starting slowly on account of cool weather; alfalfa made little growth during the week; crop prospects poor in northwest part of county owing to lack of rain.

Grant.—No farming done yet; grass starting very slowly.

Hamilton.—A rain and snowstorm the 24th was hard on stock; crops very backward—too dry and cool; grass getting green.

Kearney.—Very dry till the 29th when a good rain fell over most of the county.

Lane.—Not enough rain to do much good; alfalfa is the only crop in good, vigorous condition; apples in full bloom.

Morton.—A very high wind on the 24th did considerable damage.

Ness.—A more favorable week for vegetation; grass and small grain are showing considerable improvement, except late-sown wheat; very little farming being done; a snow, sleet, and rainstorm on the 24th was severe on stock.

Norton.—This week has been good for grass and alfalfa; farmwork retarded by rains;



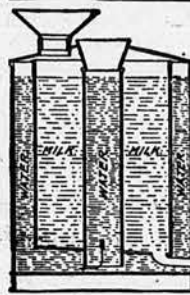
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We have three car-loads of Higgsville Apian Supplies in stock, which we will furnish at factory prices, saving freight from factory to Kansas City. Special prices furnished on large orders. Correspondence solicited. Catalogue furnished on application. Advise ordering early.

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Why not buy your Cream Separator direct from manufacturer, and save dealer's profit? Formerly sold through agents and hardware men at \$10.00. We will deliver to your station, freight prepaid, a "New King" 10-gal. Separator for \$8.00—guarantee satisfaction or refund money. Write for catalogue.

KING MFG. CO., NEBRASKA CITY, NEBR.

ground now in fine condition for corn-planting; early-sown fall wheat doing well, late-sown a failure; fruit not damaged, trees in bloom.

Sheridan.—Fall crops improving; spring grain making fine growth; corn-planting backward but now in progress; grass starting nicely; fruit-trees in bloom.

Thomas.—The recent rains will probably revive some of the wheat; barley coming up nicely; corn-planting progressing; some Kafir-corn planted; grass starting and will be plentiful soon; cherries and crabapples in bloom.

Wallace.—Dry and cold; not much ground plowed; wheat poor; the recent light rains have started range-grass, which is beginning to look green.

Homeseekers' Excursions.

The Chicago Great Western Railway will on the first and third Tuesdays up to October 18, sell tickets to points in Alberta, Arizona, Assiniboia, Canadian Northwest, Colorado, Indian Territory, Iowa, Kansas, Minnesota, Missouri, Nebraska, New Mexico, North Dakota, Oklahoma, Saskatchewan, Texas, Utah, and Wyoming. For further information apply to any Great Western Agent, or J. P. Elmer, G. P. A., Chicago, Ill.

Rainfall for Week Ending April 30, 1904.



SCALE IN INCHES.

Less than 1/2. 1/2 to 1. 1 to 2. 2 to 3. Over 3. T, trace.

farmwork this week; peaches, plums, and pears in bloom; apples coming into bloom; gardens backward; cattle out on pasture.

Chase.—Corn-planting delayed by wet weather—about half done; earliest planting coming up; alfalfa and wheat doing finely; gardens improved; grapevines starting; cattle beginning to arrive from south and west for pasture; a fine prospect for apples.

Chautauqua.—Wheat and oats are doing finely; corn coming up with a good stand; the growth of grass has been retarded by cool weather; gardens growing well; prospects good for all fruit except peaches.

Cherokee.—Too wet for farmwork; ground badly washed; wheat looks well; oats improving; corn coming up poorly; apples promise well; early strawberries damaged but late ones promise well.

Coffey.—Corn not coming up well; other grains and vegetables doing fairly well; grass growing finely; fruit prospects good.

Crawford.—No farmwork has been done on account of wet weather; early corn will have to be replanted.

Doniphan.—Wheat backward; will be a light crop; corn-planting not begun; oats coming up; a few peach-trees in bloom; pears promise well.

Douglas.—Ground too wet to work, but crops that have been planted on high ground are coming finely; wheat is in fine condition; prospect for good fruit crop.

Franklin.—Ground too wet to work; some corn planted; fruit prospects good.

Geary.—Ice froze one night this week but fruit does not appear to be damaged; apples and cherries in full bloom; corn-planting retarded by rains; oats still growing slowly; wheat good.

Greenwood.—Crops growing slowly; corn and potatoes slow in coming up; wheat jointing; grass growing slowly; too wet to work in the fields.

Jefferson.—Very little field work done this week; wheat and oats overflooded by Delaware River does not seem to be damaged; grass growing rapidly; peaches, pears, and cherries in full bloom.

Johnson.—Too wet for farmwork this week; wheat growing finely; much corn will have to be planted the second time; cattle being turned out to pasture; apples, pears, and cherries in bloom; Japanese plums killed.

Leavenworth.—A good growing week; early potatoes planted; gardens doing well; wheat

growth; wheat in fine condition; barley and oats coming up.

Barton.—Wheat now looking fine; oats and barley not so good; corn-planting in progress; pastures growing slowly; cattle still being fed.

Butler.—Forepart of week cold and wet, latter part more favorable; ground in good condition; a good portion of the corn planted; crops generally look well; pastures good in central part, but short in northwest; stock will all be on pasture soon; fruit nearly through blooming, and promises well.

Clay.—Wheat improving; oats somewhat weedy, but with favorable weather will grow ahead of weeds; corn-planting well under way; fruit blossoms damaged very little by frost.

Cloud.—Wheat growing nicely; oats not so promising; corn-planting continues.

Cowley.—Corn coming up and showing a good stand but the nights are rather cool for it; wheat, oats and alfalfa growing rapidly; peaches and early apples not very promising; winter apples promise well; some fruit-trees uprooted by windstorm on the 23d.

Dickinson.—A fine growing week; considerable corn planted; early potatoes up; cherry-trees in full bloom; winter wheat in very fine condition; oats backward on account of cool weather.

Edwards.—Early-planted gardens look fine; corn-planting in progress; grass in very fine condition.

Harper.—The heads are formed on soft wheat; all wheat is a good stand and color; no damage by insect; corn is a good stand and is now being harrowed, but grows slowly on account of cool weather; oats thin but growing well; fruit not injured.

Harvey.—A fine growing week; most all the corn planted; oats and alfalfa look fine.

Jewell.—A fine rain this week; corn-planting in progress; peach-trees very full of bloom; grass is good.

Kingman.—Wheat and oats growing rapidly;

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UNTIL YOU HAVE INVESTIGATED "THE MASTER WORKMAN" A two-cylinder gasoline engine superior to all one-cylinder engines. Costs 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, 3 1/2, 4, 5, 6, 8, 10, 12 and 16 Horse Power.) High-grade Gasoline Engines, 3 to 6 horse power—adapted for Electric Lighting, Marine and Pumping purposes. Please mention this paper. Send for catalogue. TEMPLE PUMP CO., Manufacturers, 15th Sts., CHICAGO, ILL. Established in Chicago, 1858.



## In the Dairy.

### Milk-Flour.

The price that can be realized for milk on the farm and the price that must be paid for a fresh and pure article in the cities diverge more widely than any other article of production and consumption. If milk could be placed in such condition that it would keep indefinitely, especially if the water content could be removed, to be resupplied, without impairing the qualities which make milk desirable, a large part of the margin between the country and the city prices might be divided between producer and consumer.

The KANSAS FARMER has received an account of a process now being introduced in New York State. It is in the form of an interview with the representative of a company which proposes to reduce milk to the condition of flour, to be again given the consistency of milk by the addition of water. The interview was published in the Cortland (N. Y.) Standard of April 14. It is as follows:

C. Werngren, representing the Martin Ekenberg Company of Stockholm, Sweden, has the following to say:

"It has been the effort of many who are interested in the dairy business both in Europe and in the United States to solve successfully the question how to preserve the milk in a dry form and thereby get a wholesome and pure commercial article that will keep indefinitely and withstand all climatic changes.

#### EARLY EFFORTS TO EVAPORATE MILK.

"As far back as 1835 an Englishman by the name of Newton produced milk in powder form, but without much success at that time and was unable to make a practical use of the product. Even during the Napoleonic wars, a cheesy looking preparation was made and added to the flour in making bread for the army which greatly increased its nourishing qualities. It may be known to many who are familiar with the handling of milk that if the milk is evaporated to a dry form, one of the principal parts (the casein) changes into an insoluble form which makes it impossible to dissolve the milk salts and carbohydrates (milk-sugar) in the evaporated product. In evaporating the milk into solid form the casein appears to split into albumen and an insoluble-like substance (paracasein) and these, together with the fat, furnish the cause why water will not dissolve the material.

"Some factories are making a product of skim-milk which is nothing else but dried cheese (casein) chemically prepared. Such an artificial cheese in the shape of a white, tasteless powder has been made for several years by the Protone Company, Ltd., of London, England, and also by some companies in the United States. The preparations are made simple enough by dissolving the cheese matter in soda or potash and then drying the solution to a powder. By such a process 10 to 20 per cent of the albumen is lost, and to save the carbohydrates (milk-sugar) it would require a specially arranged apparatus, otherwise even this nourishing substance in the milk is wasted, together with the balance of the valuable matters not retained by these so-called milk-flour processes. The very important salts which are essential in the production of blood are not contained in these products.

#### EXPERIMENTS IN SCANDINAVIA.

"The Scandinavian countries are known throughout the world as being the foremost in the dairy industry and the exports of their dairy products are considered to be one of the principal revenues. This has prompted our inventor, Dr. Martin Ekenberg, to find a process that would, in an inexpensive way, dry the fresh milk to powder form suitable for such markets where the fresh milk is hard to obtain or where the condensed milk is now exclusively used. By using, as we do, a low temperature, the coaguable albumen parts are not transformed into an insoluble state, and, in fact, the Eken-

berg process changes in no way the composition of the original milk, but retains all the solids which the fresh milk contained and nothing else. By adding the proper amount of water to the milk-flour it is again restored to its original state, and can then be used for all purposes the same as fresh milk.

"The Ekenberg milk-flour will, as stated, keep in all climates and by exercising the same care as would be required with ordinary wheat-flour the milk-flour will keep indefinitely by simply using an inexpensive package (paper bags or barrels).

#### THE MATTER OF EXPENSE.

"The principal thing to overcome in the manufacturing of milk-flour and guarantee a commercial success of the product is the cost of production. In this Dr. Ekenberg has succeeded in making the figures the lowest possibly obtainable, and certainly much less than by any other known process. The process was originally intended for making skim-milk flour, which valuable by-product is as a rule not utilized on account of being hard to keep and expensive to transport to the market. In the shape of milk-flour we have an article which contains in volume only about one-tenth of the original fresh milk which can readily be handled and transported at a very small expense. This will enable us even to find a ready market right at home in our larger cities where we can most favorably compete with the fresh-milk shippers on account of the saving in freight alone, not taking into consideration the heavy loss in souring of milk, etc.

#### MARKETS FOR THE PRODUCT.

"One of the principal markets for our milk-flour will, of course, be in localities where the fresh article is hard to get, such as the Southern States, Central America and islands, Alaska and Orient, the Army and Navy and the commercial fleets. These consumers are now almost exclusively using condensed milk which, if compared in weight and nourishment with our milk-flour, will be at the ratio of two parts or more of condensed milk to one part of milk-flour, and in price almost triple that of the same amount of nutriment in our milk-flour.

#### ITS NOURISHING QUALITIES.

"To give you an idea of the nourishing qualities in our skim-milk flour alone, I will state that in simply comparing the albumen contained in one pound of milk-flour it will equal one and eight-tenths pounds of beef, free from bones and fat. (The beef will average about 20 per cent of albumen and 70 to 75 per cent in water.) Our milk-flour contains 36 per cent of albumen. The white in a hen's egg contains only about 12.6 per cent albumen and 85.7 per cent water, from which can be seen that the milk-flour has almost three times the nourishing value as that of the white of an egg. When you then consider that skim-milk flour, besides the 36 per cent of albumen, also contains about 49 per cent of milk-sugar which is a very nourishing article, 7.5 per cent of salts, which is an important factor in the making of blood, and about 2 to 3 per cent of butter-fat, it can readily be seen what great advantages the milk-flour has as a nourishing product compared with beef and eggs. Depending on the quality of the skim-milk it takes less than five quarts to make one pound of milk-flour. The question of successfully treating and preserving the full milk into flour form with all the butter-fat in it (which in dry form will amount to about 30 per cent) has been solved by our company's experts and will be marketed for use in the finer trade, as this flour will then in all respects substitute the fresh milk for all household purposes, not only on account of the pleasant tastes, but for its wholesomeness as the process removes all impurities in the fresh milk. I may add that heretofore no one has been able to preserve successfully the full fresh milk in dry form so that it will keep indefinitely without the butter-fat becoming rancid. This we claim to be one of our strong points and has taken years to accomplish.

# 500,000 FARMERS

Scattered all over the World  
are finding a

# DE LAVAL CREAM SEPARATOR

the best investment  
they ever made in dairying.

***Might not this be true  
with you too?***

Let the nearest local agent bring you a machine  
to see and try for yourself.

**That is his business. It will cost you  
nothing. It may save you a great deal.**

If you don't know the agent send for his name  
and address—and a catalogue.

## The De Laval Separator Co.

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Queen City Creamery Co.,  
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Carpenter & Shafer Mfg. Co.,  
Butler, Mo.

Frank Dunning,  
Bedford, Iowa.

Western Dairy Co.,  
St. Joseph, Mo.



## A NEW BABY FOOD.

"With the unqualified indorsement of the profession in Europe we are now turning out a baby-food which in all particulars will correspond with the mother's milk and is put up in different grades according to the infant's age. With all due respect to the baby-food companies now in the field, realizing, of course, that their cost of production is very great, we nevertheless can not uphold them in their charges of \$1 a pound for a casein preparation containing some sugar and malt. We are prepared to come out with a superior quality of baby-food which will not be sold for much over one-quarter of the above-stated price, and intend in that way to reach the public who can ill afford to pay such an exorbitant price for an article of necessity.

## EXTENDING THE FIELD.

"The Ekenberg company in Sweden has been operating for some time and they are now rapidly extending their field of operations, finding a ready market for their products and machines. During the last two years the company has been awarded nine gold medals in Europe for their milk-flour, namely in Paris, London, Vienna, Rome, Prag, Baden, Gaud, Amsterdam and Ostende.

"The Swedish company has also perfected other machines which will convert eggs, beef, and all kinds of fish into a powder form and make it possible thereby to retain the aroma, usefulness and original taste of these different articles when dried, which will greatly revolutionize the present expensive known methods of preserving and handling these foods.

## THE EXPERIMENT IN CORTLAND.

"Our present plant now in operation in this city is simply for the purpose to verify what we claim our milk-flour process will do, and, as this is one of the best dairy centers in the East, we hope to have our first large plant in operation here before July next which will then have a daily capacity of 100,

000 to 200,000 quarts of milk. To be able to supply the market, it is our intention to locate branch factories in the leading dairy States, and Canada, as well, wherever the demand and transportation will warrant the erection of such plants."

## Miscellany.

## Good Roads.

EDITOR KANSAS FARMER:—What will make good roads? Kansas rock, crushed and placed on the main traveled roads twelve inches thick and eighteen feet wide. In some mudholes coarse rock should first be put in. There should be good culverts with steel I-beams and oak floors, with good drainage with foundation large enough to let the water through when a heavy shower comes up. The road should be graded till the bottom of the rock is on a level with the water in the ditch. Ditches should be 25 to 30 feet apart and outlet sufficient. In this way, once done, always done.

In the rough, the cost to quarry rock is \$1 per cord on an average. By screening, one can get 4 cubic yards to the cord. About 11 yards will make one rod of road and 320 by 11 equals 3,520 yards to the mile. It would cost 25 cents to crush, 25 cents to quarry, and 25 cents to haul, or 75 cents dumped on the road in most places, or \$2,640 per mile—and pole-tax to do the grading. In some places it can be done for less than 75 cents per yard. In some townships are 100 or more miles of road and they can not build a mile of road a year. Some townships have more miles to build. Would it not be a good plan for neighboring townships to unite and get a crusher or a contractor and build as much as they can each year, beginning near some town and running out to other towns. This will draw the travel from other roads and such untraveled roads would not get very bad. This will cause towns to build short places leading from town and the people will stand a heavier tax for a while. Towns have tramps to feed; let the town employ them to do the quarrying and make a little, say \$3 or \$5, and then go on giving them honest wages. Do not take up collections or draw on city funds—take subscriptions for road-building and do this work at a time most suited to the farmers. Do not undertake it in town or country in the spring. Better try it in winter, for this work must be done in winter if it is done cheap. One crusher is all one county needs except there be large cities in it. Get a good, portable crusher and start the thing, and see if in five years we do not have miles of road that need no repairs.

A large crusher that can be moved handily will cost \$1,500, and the larger the crusher, the more cheaply can the road be built. I think this will beat the present method of rolling and dragging and then letting the frost tear it all down again.

GEO. W. PILKINGTON.

Coffey County.

## Hard Rain-Water in Cemented Cisterns.

EDITOR KANSAS FARMER:—Will you please tell me why rain-water will turn to hard water when caught in a cemented cistern. We have a cistern twenty feet deep, all cemented and just cleaned out; and the little rain-water caught in it since is hard, the same as it was before it was cleaned out. Please submit this to some person qualified to answer.

Woodson County. LEWIS REEF.

With reference to the above letter I will say that hydraulic cement always contains more or less lime even when masons do not mix lime with the cement, as they do sometimes. When water is let into a newly cemented cistern or tank it dissolves more or less of this lime, producing lime-water, which is soap-destroying in the same way that ordinary hard water containing limestone or gypsum is. It will probably be a year or more before the lime will be dissolved out and water let into the cistern will remain soft. A

good plan with a new cistern is to allow it to fill with water, and after standing a few weeks empty it. The next water let into the cistern will remain much softer. If city water is available, the cistern may be filled with that for the purpose of soaking out the lime.

J. T. WILLARD.

Kansas Experiment Station.

## Hired Hand's Troubles.

EDITOR KANSAS FARMER:—I am working for a well-to-do farmer, worth from twelve to fifteen thousand dollars and fifteen head of good horses and mules, good riding implements, etc. I am paid \$20 per month. What would you advise me to do when such a man puts me to planting corn with a walking lister and leaves a good, new riding lister standing in the shed? This seems like an imposition that should be resented by farm hands. If he had no riding implements, I would say nothing.

S. J. PAXTON.

Stafford County.

There are two courses open to this correspondent, first to do the work as directed by his employer, second to resign his position and seek employment elsewhere. If employer and employed should talk the case over, they can doubtless come to an understanding about the matter. But, in any case, the success of any large industrial enterprise, whether it be a farm or some other interest, depends upon the control exerted by the guiding mind at the head of it. The more this is extended to details the more assured is the success. True, many of the best managers avail themselves of the suggestions and judgment of their employees, but the manager's decision must be final; otherwise failure is invited.

## Fish Questions.

EDITOR KANSAS FARMER:—I have a pond which I am anxious to get stocked with fish. Could you give me the name of the Fish Commissioner, or direct me to some one from whom I could get information as to suitable fish and the way to get them.

R. W. TAYLOR.

Cherokee County.

The Kansas Fish Commissioner is Hon. D. W. Travis, Pratt, Kans. Inquiries addressed to him will bring full information on all points connected with the cultivation of fish, and the steps necessary to be taken to obtain a stock for your pond.

Many a nice new-laid egg that gets flawed when laying can be boiled simply by enclosing it in a piece of soft paper. When the paper becomes wet, it adheres to the egg, and prevents it protruding through the shell.

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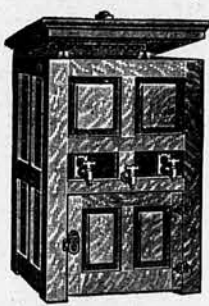
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Combines all the conveniences of a separator and a household refrigerator. Makes easy work of the care of milk. Greatest quantity of cream. Best quality of butter. No lifting of cans. No skimming of milk by hand. No turning of cranks. Cold storage for household provisions. A real economy on every farm. The 1904 model is now ready. Catalogue free. Mention this paper.

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## If You Were Your Wife

would you rather wash a lot of odd shaped pieces, full of holes and corners—or three simple pieces? Would you rather work hard, and know it was almost impossible to get the dirt out—or work easily, and know you could finish in a few minutes and that your work would be well done. That is where

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Are different from all others. The Tubular bowl is very simple—is made up of three small pieces. All others are very complicated. Let us take a Tubular bowl apart for you next time you're around. We would like to give you Catalogue A too.

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If you had a gold mine would you throw half the gold away? Properly managed dairies are surer than gold mines, yet many farmers throw half the gold away every day. The butter fat is the gold—worth twenty to thirty cents a pound. Gravity process skimmers—pans and cans—lose half the cream. Your dairy can't pay that way.

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Tubular Separators are regular crowbars—get right under the trouble—pry the mortgage off the farm. How? Gets all the cream—raises the quantity and quality of butter—starts a fortune for the owner. It's a modern separator. The picture shows. Write for catalogue F-105. THE SHARPLES CO., CHICAGO, ILL.



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## The Poultry Yard.

CONDUCTED BY THOMAS OWEN.

### Poultry Notes.

The wet weather during the past two weeks has been very severe on young chicks and has caused the death of many a thousand. During cold, wet weather, a place should be provided for growing chicks where they can be kept warm and dry. Have a large coop made with plenty of glass and facing the south, so that they may have the benefit of the sun, whenever it shows its face, and they should not be allowed to go out until the ground gets thoroughly dry.

It is the number of chicks that you raise that counts, and not the number that you hatch. So many people keep on hatching clutch after clutch of chicks and pay very little attention to them after they are hatched, expecting them to take care of themselves, and at the end of the season they have very few mature fowls in place of the many that were hatched. It is better to hatch out but 50 chicks and take good care of them, than to hatch out 200 and lose all but a dozen.

Keep the young chicks growing from the start. Do not let them get a setback of any kind. A stunted chick never amounts to anything. Feed them good, healthy grains, with plenty of pure water, with occasional scraps of meat. Let them have free range, if possible, so they can provide their own green food; besides they will pick up many a bug and bite that they would not get if penned up.

### Barred Rocks for Layers.

EDITOR KANSAS FARMER:—In your issue of April 7 a farmer's wife says she has a pet Black Langshan hen that has laid over 50 eggs since the first week in January. If you will have patience with me, I will give you the record of my Barred Rocks. I began the year 1904 with 24 pullets. Nineteen of these I raised; the other 5 and 2 roosters I bought of A. H. Duff. From the first of January to the third of February, I got 392 eggs. Then I was unfortunate, losing two of my hens, one on the first and the other on the third of the month. Since then, the remaining 22 hens have laid 692 eggs up to the first of April; or, an average of nearly 48 eggs each. The eggs are large and a rich brown color, while the young chicks are very large and hardy. They have a warm house to roost in, a warm bran mash in the morning, ground bone and turnips at noon, with corn, Kafir-corn and wheat for their supper, and plenty of fresh water. I am always glad to read in your valuable paper of what others are doing. J. A. STONE.

Chase County.

### Incubator Ahead of the Old Hen.

EDITOR KANSAS FARMER:—In the KANSAS FARMER of April 14, the experience of Wm. Morton with a hot-air incubator is surely very discouraging. I have a Sure-hatch incubator of 200-eggs capacity, with hot-water tank and a hot-air pipe through

the center. I believe the hot-water machines are the best. If the lamp should go out it will not cool off very quickly. I have set mine the second time this spring. The first hatch gave 110 chicks with quite a good many dead ones in shells which I can not account for, but the same thing happens with the old hen. My hens are not doing any better than this. It makes a great deal of difference where you set the machine. If there is a fire in the room so the outside walls will warm up, it will take very little oil, as the lamp has to be kept very low, or it will get too hot; and it will run down some at night when the room cools off, but that does not hurt the eggs so that it does not go below 90°.

Cheap oil will cause the lamp to smoke. Beware of oil that looks yellow. I get the best grade that costs 20 cents a gallon now, and have no trouble and it lasts longer. I test the eggs on the eighth day. By that time it is very easy to see which are fertile. I think the incubator far ahead of the old hen. It never breaks eggs or leaves the nest, sets when you want it to, and where you want it to.

MRS. ELLA STEWART.

Coffey County.

### Langshan Experience.

EDITOR KANSAS FARMER:—I am very much interested in the different articles about poultry. Following is my last year's record with the Black Langshans. The spring of 1903, I started with 50 hens, mostly pullets, and from January 6, 1903, to January 6, 1904, I had sold \$60 worth of eggs, had raised 800 young chickens, sold enough of them to amount to \$75, and have left this spring 150 hens and pullets. I did not keep any record of the eggs used in the family, or chickens used, or the dozens of eggs that got broken and did not hatch. I sell eggs all winter from my Black Langshans. And when I want to sell some chicks I do not have to take a wagon load to get a few dollars. Last spring I sold young pullets on the market that brought me \$5.28 per dozen. They are very hardy and good rustlers. Yes, give me the Black and White Langshans and I will not quarrel with the other women about the other breeds. MRS. ELLA STEWART.

Coffey County.

### Cholera in Chickens.

I would like to know if keeping fresh skim-milk before old chickens all the time would have any tendency to cause cholera. We are feeding milk in abundance and our chickens have cholera and we can not stop it.

Butler County. R. L. SNODGRASS.  
Answer.—Skim-milk is excellent for both young and old chickens and if there is any cholera in the flock the cause must be placed elsewhere. For looseness of the bowels and incipient cholera, it would be well to boil the milk and feed it to the chickens after it cools. For genuine cholera, there is no known reliable remedy.

Do geese "quack?" "No," says the observant critic, "geese do not quack, but they squack." It is the ducks that quack, and the story of the goose going about from day to day with a "quack, quack, quack," is declared to be without good foundation. There is, indeed, quite a difference in the vocabulary of these feathered creatures. But it requires a sharp ear to discover the difference.

### 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 Union Station. By all means consider the advantages of the Wabash.

### ROCK ISLAND SYSTEM.

### 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.

### 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, Kas.

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**SINGLE COMB WHITE LEGHORN** eggs, \$1 for 15. Princess and Van Dresser cockerels mated with my own White strain of best hens. Eggs carefully selected and packed. Mrs. Albert Ray, Delavan Morris County, Kans.

**S. C. BROWN LEGHORNS**—Champion layers, winter and summer. 30 eggs \$1. L. E. Evans, Box 21, Fort Scott, Kans.

**S. C. BROWN LEGHORNS**, exclusively. Eggs for sale from healthy, free-range stock. Satisfaction guaranteed. J. A. KAUFFMAN, Acme, Dickinson County, Kans.

**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. Almsworth, Eureka, Kas.

**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.

**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.

**BUFF COCHIN EGGS**—From prize-winning stock; \$1 per sitting; 3 sittings, \$2.50. H. A. Thomas, Scranton, Kans.

**WHITE FACED**—Black Spanish stock, and eggs for sale. Will sell cockerels to farmers for \$1 each. Mrs. Hattie Tyler, Fairview, Kans.

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**WHITE WYANDOTTE EGGS**—\$1.50 per 15. Dutton strain. John Park, Route 1, Oswego, Kans.

**C. C. W. Leghorns**, eggs 50 cents per setting, \$3 per 100. Martha Cook, Russell, Kans.

**SINGLE-COMB Rhode Island Reds** and **White Plymouth Rocks**, good layers. Eggs, \$1 per 15; \$5 per 100. A. D. Willems, Route 3, Inman, Kans.

**BARRED PLYMOUTH ROCKS**—Eggs for hatching, \$1 for 15; \$2 for 30. Large farm raised fowls, good winter layers, eggs guaranteed fresh. A. F. Huse, Manhattan, Riley County, Kans.

**EGGS FOR HATCHING**—S. C. B. Leghorn eggs from best laying strain; \$1 for 15. Mrs. J. J. Corbett, 824 Buchanan St., Topeka, Kans.

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**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.

**SINGLE-COMB BLACK MINORCAS**—The largest and greatest laying black 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.

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**RHODE ISLAND REDS**—Original stock from the east, the best general purpose fowl on earth. Eggs \$1.50 per 15; \$2 per 30. Mrs. G. F. Kellerman, Vine-wood Farm, Mound City, Kans.

**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.

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

**BARRED PLYMOUTH ROCK** eggs exclusively. 15 for \$1.25, 50 for \$3, 100 for \$5, 200 for \$9. I can ship via Adams, American or Wells-Fargo Express. Adam A. Weir, Clay Center, Neb., Route 2.

**WHITE HOLLAND GOBBLERS**—From first prize stock, \$4 each. E. W. Melville, Eudora, Kans.

**SCOTCH COLLIE PUPS**—Four more litters of these high-bred Collies, from 1 to 3 weeks old, for sale. Booking orders now. Walnut Grove Farm, H. D. Nutting, Prop., Emporia, Kans.

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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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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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Send 6c, by registered letter or money order and we will send prepaid enough Turkey-lene for the broods of two hens with full directions how to profitably raise every one of them.

**THE NATIONAL TURKEY-LENE COMPANY,**  
Dept. 122, Washington, D. C.



## The Veterinarian.

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

**Injured Horse.**—I have a 4-year-old horse that ran away and jumped on a wagon, running a standard in between the fore legs and cut a large hole in his breast and left shoulder. I had to take him about five miles to get him home. Air seemed to suck in the hole and seemed to fill him up from head to tail until he is puffed full like a ball. He is very stiff. What can I do to get the wind out of him? M. W. Ponca City, Okla.

**Answer.**—The wagon standard evidently punctured the chest cavity and destroyed the vacuum which surrounds the lungs. I should think he would have great difficulty in breathing. The only thing to do is to cleanse the wound thoroughly and close it up if possible by stitching it, but there should be left a small opening for drainage low down, as I infer that the wound is a large one. After that, keep the wound clean and irrigate it once daily thoroughly with a solution of corrosive sublimate one part to a thousand parts of water. As soon as the wound closes the air will become absorbed and go away.

**Sick Sows.**—I have some brood sows that get crippled in the left hind leg. The trouble seems to start in the foot and works upward towards the head. They tremble all over and there are lumps in their udders. They seem to eat very well. SUBSCRIBER. Coyville, Kans.

**Answer.**—I am unable to state whether the trouble is paralysis of the hind parts, which is quite frequent in pigs, or whether the disease is due to some local infection. I would advise putting them on clean, uninfected, dry quarters. See that the drinking-water is pure. If possible, give them some green alfalfa, together with some slop made of bran and shorts with some milk and swill if you have it. Also give them some of the Government hog-cholera remedy in their slop. Rub their backs over the loins and hips with a good stimulating liniment once daily.

**Lame Heifer.**—I have a Red Polled 3-year-old heifer that got lame in her left hind leg four weeks before calving. She kept getting worse. She calved one week ago and the calf is all right, but the heifer is very stiff in that hind leg. What can I do for her? J. C. S. Willis, Kans.

**Answer.**—I can not even make a guess as to what the trouble is with your heifer. I think you had better get a good veterinarian to examine her. It is possible that the trouble started with an injury to the foot or some part of the leg, that will have to be located. I think it will require a careful examination in any case.

**Disease of the Brain.**—I have an 8-year-old horse that until two months ago was never sick and was always in good condition, being a good gentle work-horse. For two months he has been eating poorly, only a little grain or none at all; but he will always eat some hay or grass. He moves very slowly and seems to have no sense. When driving he crowds to the left, and during the past week he seems to have fits. He will stop suddenly, look around, rear up and jump into the manger or against the side of the stall and pull on the rope as if some one was whipping him. If he is turned

loose he walks in an aimless way, always turning to the left and walking in a circle. He hangs his head and seems stupid except when he gets excited at feeding-time, when he is likely to have a fit. Can anything be done for him? SUBSCRIBER. Fort Scott, Kans.

**Answer.**—I think your horse has a disease of the brain, possibly an abscess or some degeneration of the brain tissue on the right side, and I am inclined to think it will prove fatal. I would advise you to have a qualified veterinarian examine him. If you can not, I would suggest giving him some iodide of potash in drachm doses dissolved in water and given as a drench twice daily for three or four days. This may assist in absorbing any substance that may be pressing on the brain. Brain diseases of this character are rare in horses and are usually fatal unless the cause can be located and removed. It may require a surgical operation and will require an expert surgeon to operate.

**Sick Colt.**—I have a colt about six weeks old that scours very badly. I feed the mare two quarts of corn-chop and one of bran with hay. Can you advise me what to do for it? E. J. C. Coland, Kans.

**Answer.**—In some cases of this character the mare's milk seems to be abnormal and it may be necessary for you to give it cow's milk. I would advise cutting down the amount of milk it gets. This can be done by milking the mare partially before letting the colt suck. Give the colt a teaspoonful of the following mixture in a little warm milk every three hours, until the movements of the bowels are checked:

Laudanum, one ounce.  
Essence of Jamaica ginger, one ounce.  
Castor oil, four ounces.

As soon as the scouring is checked a little, lessen the dose and do not give so frequently. If you put the colt on cow's milk, dilute the milk one-fourth with lime water and feed it often but only a little at a time.

N. S. MAYO.

When I see a man with a hed on him about the size of a clothes-pin, I have allwuss found that he could do sum one thing a leetle better than enny boddy else. Sometimes hiz specialty wuz that he could chaw more spruce-gum or ketch more flies in a given length ov time than enny other disciple.—Josh Billings.

### How's This!

We offer One Hundred Dollars Reward for any case of Catarrh that can not be cured by Hall's Catarrh Cure.

F. J. CHENEY & CO., Props., Toledo, O. We the undersigned, have known F. J. Cheney for the last fifteen years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm.

West & Truax, Wholesale Druggists, Toledo, O.

Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price, 75c per bottle. Sold by all Druggists. Testimonials free.

Hall's Family Pills are the best.

### One Fare for the Round-Trip.

Plus 25 cents, to Cleveland, Ohio, and return, via Nickel Plate Road, May 16, 17, and 18. Tickets good going date of sale and returning to and including June 10, by depositing same.

Three Through Daily Express Trains to Fort Wayne, Cleveland, Erie, Buffalo, New York, Boston, and New England points, carrying vestibule sleeping-cars, served in Nickel Plate dining-cars, on American Club meal Plan, ranging in price from 35 cents to \$1; also service a la carte. Chicago Depot, La Salle and Van Buren Streets. No excess fare charged on any train on the Nickel Plate Road. Chicago City Ticket Offices, 111 Adams Street and Auditorium Annex. Phone Central 2057. (No. 3)

### Will Do What Is Recommended.

Dunleith, W. Va., February 17, 1904. Dr. B. J. Kendall Co., Enosburg Falls, Vt. Gentlemen:—Will you kindly send me one of your "Treatise on the Horse and His Diseases?" I have used Kendall's Spavin Cure for quite a while and find it will do what it is recommended to.

Very truly yours, A. P. MALCOLM.

Goulding & Co., City Stock Yards, Denver, Col., January 10, 1900.

Dear Sir:—After an experience of over twenty years in the care and handling of live stock, I feel justified in recommending your Balmoline as the BEST HEALING SALVE that has been put on the market. Horsemen and others can not make any mistake in its use. GEO. L. GOULDING.



A prominent club woman, Mrs. Danforth, of St. Joseph, Mich., tells how she was cured of falling of the womb and its accompanying pains and misery by Lydia E. Pinkham's Vegetable Compound.

"DEAR MRS. PINKHAM:—Life looks dark indeed when a woman feels that her strength is fading away and she has no hopes of ever being restored. Such was my feeling a few months ago when I was advised that my poor health was caused by prolapsus or falling of the womb. The words sounded like a knell to me, I felt that my sun had set; but Lydia E. Pinkham's Vegetable Compound came to me as an elixir of life; it restored the lost forces and built me up until my good health returned to me. For four months I took the medicine daily and each dose added health and strength. I am so thankful for the help I obtained through its use."—MRS. FLORENCE DANTFORTH, 1007 Miles Ave., St. Joseph, Mich.

A medicine that has restored so many women to health and can produce proof of the fact must be regarded with respect. This is the record of Lydia E. Pinkham's Vegetable Compound, which cannot be equalled by any other medicine the world has ever produced. Here is another case:—



"DEAR MRS. PINKHAM:—For years I was troubled with falling of the womb, irregular and painful menstruation, leucorrhoea, bearing-down pains, backache, headache, dizzy and fainting spells, and stomach trouble.

"I doctored for about five years but did not seem to improve. I began the use of your medicine, and have taken seven bottles of Lydia E. Pinkham's Vegetable Compound, three of Blood Purifier, and also used the Sanative Wash and Liver Pills, and am now enjoying good health, and have gained in flesh.

I thank you very much for what you have done for me, and heartily recommend your medicine to all suffering women."—MISS EMMA SNYDER, 218 East Center St., Marion, Ohio.

### "FREE MEDICAL ADVICE TO WOMEN."

Women would save time and much sickness if they would write to Mrs. Pinkham for advice as soon as any distressing symptoms appear. It is free, and has put thousands of women on the right road to recovery.

Mrs. Pinkham never violates the confidence thus entrusted to her, and although she publishes thousands of testimonials from women who have been benefited by her advice and medicine, never in all her experience has she published such a letter without the full consent, and often by special request of the writer.

**\$5000 FORFEIT** if we cannot forthwith produce the original letters and signatures of above testimonials, which will prove their absolute genuineness. Lydia E. Pinkham Medicine Co., Lynn, Mass.



### THOUSANDS DIE

Every day of KIDNEY diseases which the family doctor overlooks until too late. Send me a sample of your morning urine and I will tell you all about your kidneys free of charge. Send four cents for mailing case and bottle for urine. Address J. F. SHAFER, M. D., Water Doctor, 216 Penn ave., Pittsburg, Pa.

### World's Fair

Parties who expect to visit the World's Fair at St. Louis, can secure rooms and board in advance with respectable private families at moderate rates. WRITE FOR PARTICULARS B. F. LIVENGOOD, 2737 Morgan St., St. Louis.

### RIDER AGENTS WANTED

One in each town to ride and exhibit a sample bicycle. Write for special offer. Highest Grade \$8.75 to \$17. 1904 Models \$8.75 to \$17. Coaster Brakes, Hedgethorn Puncture Proof Tires and best equipment. 1903 & '04 Models Best Makes \$7 to \$12. 500 Second-Hand Wheels All makes and Models good as new \$3 to \$8. Great factory clearing sale at half factory cost. We ship on Approval without a cent deposit and allow 10 DAYS FREE TRIAL on every bicycle. Any wheel not satisfactory returned at our expense. EARN A BICYCLE taking orders from a sample wheel furnished by us. Our agents make large profits. Write at once for catalogues and our special offer. AUTOMOBILES, sewing machines, stoves, sundries, etc., half usual prices. MEAD CYCLE CO., Dept. 245f Chicago

### ZENOLEUM

#### 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, \$6.50. ZENOLER DISINFECTANT CO., 61 Bates St., Detroit, Mich.



## Gossip About Stock.

(Continued from page 487.)

tricts for more than thirty days prior to the exposition. Another important action taken at this meeting was an order requiring the official veterinarian of the exposition to make plates showing the normal mouths of cattle of various ages according to the classifications that govern the cattle-shows. These plates are to become standards of authority for the International and are to be used as guides in determining the ages of feeders and fat cattle in the car-lot closess. Another important rule adopted was that where there is but one exhibitor, one prize may be awarded; where there are two exhibitors, two prizes may be awarded, and where there are three or more exhibitors, three prizes may be awarded. Hereafter each exhibitor of sheep must be the owner of the individual shown by him and each animal must be provided with an ear-tag such as has been adopted by the association of his breed of sheep.

Breeding good stock always brings success to the breeders. For a number of years past T. J. Wornall, Liberty, Mo., has won honors galore as a Shorthorn breeder. Now he is an avowed candidate for the office of State Senator with a clear field and no competition. We regard it as a distinct advance along right lines when the citizens of any State will select men of such calibre for their public offices instead of impecunious lawyers and doctors and the whole tribe of professional politicians. Good, active men, with brains, who have made successes in life in some of the useful occupations are the kind of men needed in our public offices and the community selecting such men deserves credit and sets an example for emulation by its sister communities.

We call especial attention to the new advertisement in this issue of the International Stock Food Company and the two free offers mentioned in the same. By answering the questions in the advertisement readers of the Kansas Farmer will receive the book and colored lithograph of Dan Patch, which is well worth having. The company says: "We make a high class of goods and our aim is to have farmers and stockmen understand that our goods are exactly as represented. We want to do business with people so that they will be our customers for years to come, and, of course, we understand that the only way to do this is to treat people fair and square." If our readers generally understood what they were getting for answering these two questions propounded in the advertisement almost every one would get busy at once.

We want our readers to take special notice of the large, handsome display advertisement on page 500, announcing the dispersion sale of one of the finest herds of Poland-China swine in Kansas, which was the property of the late F. M. Miles, Valley Center, Kans. The foundation stock of this herd contains the blood of Chief I Know, Chief Tecumseh 2d, Hadley's Model, Miles Look Me Over, Best On Earth, What's Wanted, etc. As stated in the advertisement most of the offering was sired by Faultless Junior and U. S. Perfection. The bred sows in the sale are bred to Faultless Junior and to a grandson of Ideal Sunshine. There are several notable individuals in this sale. Among them may be named the sow, Morning Glory and two of her pigs sired by Big Perfection, who won first and sweepstakes at both Hutchinson and Wichita in 1902. He is thought to be one of the largest boars of the breed in Kansas. Faultless Junior was the grand champion at Wichita last fall and is now at the head of John D. Marshall's herd, Walton, Kans., who considers him the best boar in the State. Curtis Bell is a granddaughter of Chief Tecumseh 2d and will be sold with a litter by D's Ideal Sunshine. She was the winner of first prize under 6 months at Wichita. A sow by Wilkes I Know, who was second prize yearling at Wichita last year and first at Missouri State Fair in 1902, several extra show-boars by U. S. Perfection and the first prize boar at Wichita. This sale includes everything in this famous herd. The two great yearling boars, I Am Wanted and What's Wanted Again; litter sisters to the great boar, Faultless Junior; Best I Am, a granddaughter of Missouri's Best On Earth and Miles Look Me Over, will all sell. Chubby Chief by Chief I Know 2d with litter by Faultless Junior. Banner Girl by Banner Tiptop, the second prize aged boar at Chicago in 1902. A number of the sows are bred to Beautiful Sunshine, a grandson of Ideal Sunshine and Chief Perfection 2d. Mr. John D. Marshall, whose ability as a breeder of show Poland-Chinas, and whose judgment of their quality is recognized by breeders all over the West, pronounces the Miles herd the best sow herd that he has seen in the West. Not for many years has such an opportunity occurred to secure show animals and their offspring as will be presented at Valley Center on May 11. The sale will be held at the farm, near the town, which is on the main line of the Santa Fe between Newton and Wichita. Free transportation to and from the sale and all the usual courtesies will be afforded. The advertisement of this sale will not appear again and we earnestly hope that both breeders and farmers will take this opportunity, the like of which may not occur again in years, to attend this sale or send bids. It will be a snap for buyers. Mail bids may be sent to A. P. Wright, Valley Center, Kans., or to I. D. Graham, of Kanas Farmer.

A Kansas Farmer fieldman made a call at the Topeka Insane Hospital last week, on an investigation of the report that its cattle were infected with pleura-pneumonia, and gathered the following from the farmer in charge, Mr. Reyburn: In the middle of the winter the State veterinarian made a careful, thorough examination of every animal in this herd and selected twenty cows, that might possibly be infected. These twenty cows were sold subject to an investigation after slaughter, and their meat was inspected by a U. S. Government inspector, who could find traces of the disease in only two carcasses, which he condemned. These twenty Holstein-Friesian cows were replaced by nineteen Shorthorns, selected without reference to pedigree (but solely from their milk records, at

creameries and skimming-stations) and the present cow-herd consists of 19 Short-horns and 33 Holstein-Friesians, with a 4-year-old Holstein-Friesian bull, bought from Geo. Ferral, of Wichita, in February, at the head of the herd. From the calves born on the farm the best heifer calves are raised for milkers to increase the number of the herd, and all other calves are fattened for veal and sold to Wolf Packing Company. The milk demand, for the use of the inmates, has been greater than the cows on the farm can furnish, and sixty gallons additional are furnished daily by outside milkmen. But the increase in the size of the farm, by the late purchase of two tracts adjoining the Hospital farm, will furnish enough additional pasture, to supply a herd of 100 cows; and Mr. Reyburn will soon urge the purchase of enough cows to make a herd of that size, which will be large enough to supply the Hospital demands. To consume the kitchen refuse the institution now has a swine herd of thirty-four Poland-China brood sows, with two herd boars, one 2 years old, bought of W. E. Nichols, of Wichita, Kans., and one 18 months old, purchased from James Mains, Oskaloosa, Kans. both registered Poland-Chinas. The June flood of 1903 did a great amount of damage to the bottom land of the Hospital Farm, covering many acres with a deposit of sand two to four feet in depth and leaving great holes in other places, but by the use of plows and scrapers, in removing the sand to fill up the holes, a great improvement has been made in the surface of the bottom lands, which, with the manure now piled up in the farm-yards, may be partially restored to their former fertility. The Farmer man in observing the care used to save the manure on this farm, could but think what a useful lesson could be taught the great majority of Western farmers, if they could be placed under Mr. Reyburn's charge for a month, to learn how to save manure, and what must be the great productive value of farm-yard manure from the care with which it is saved on this farm under its present manager, backed up by the authority of Dr. Biddle, the superintendent.

## Comfort at the World's Fair.

The comfort for the visitor to an exposition was never the subject for so much intelligent thought and preparation as it has been at the Louisiana Purchase Exposition at St. Louis.

One of the features that can not fail to appeal to the visitor is the convenience and comfort afforded by the Inside Inn, a structure of 2,257 rooms, covering an area of 400 by 800 feet, wholly within the World's Fair grounds.

Probably no hotel ever built commands a view so diversified or grand. From the wide verandas that surround the mammoth structure a wonderful panorama spreads before one. Many of the State buildings, with their giant and magnificent structures, present their most attractive facades. Some of the foreign buildings may be seen, and the forest of towers and turrets, domes and minarets, rising above the great exhibit palaces and seen through the forests of real trees that surround the hostelry, give token of the other glories that lie beyond.

A leisurely walk of five minutes will land the visitor on the main terrace in front of Festival Hall, the center of the "main picture" of the Exposition, the grandest spectacle ever produced by man. Another five minutes' walk and the visitor may find himself on The Pike, a street of amusement, a full mile long, with the shows of all nations in gay and enticing array.

In the ten minutes' walk many of the main exhibit palaces have been passed. These comprise the largest and grandest collection of architectural triumphs ever assembled in any one place. Notwithstanding its close proximity to these scenes of gaiety and splendor, noise and confusion, the Inside Inn offers a delightful retreat. During the noon hour the visitor may retire for a brief rest and resume his delightful task of sight-seeing refreshed and all the more able to appreciate and enjoy the World's Fair wonders.

The rates at this hotel within the grounds are no higher than those charged elsewhere. A good room may be had for \$1.50 per day, including admission to the grounds. Other rooms may be had up to \$5 per day, according to the luxuries demanded. There is a restaurant in the building with a seating capacity for 2,500 persons.

## How People Everywhere Save Money.

It is surprising how many people nowadays send to Chicago for everything they use and especially the number of people who get almost everything they buy from the big mail order house of Sears, Roebuck & Co., Chicago. Those who have never dealt with this house would be surprised to know the volume of business they do (about twenty-five million dollars annually), and the class of people who buy from them. There was a time when only the country people, the farmers, and those situated at great distances from cities or sources of supply would send to Sears, Roebuck & Co. for goods, but this great house has in recent years succeeded in lowering the prices on all kinds of goods so that people everywhere, even in large towns and cities find that they can save so much money by buying from this house that they send away for their goods. The standing of this house is the very highest, its reputation for fair and honorable dealing is established everywhere. Their policy of treating their customers is most liberal and they refund the money immediately and pay freight or express charges both ways for any goods that do not prove perfectly satisfactory in every way.

In lines of merchandise like bicycles, carpets, clothing, watches and jewelry, furniture, groceries, guns and sporting goods, hardware of all kinds, vehicles, harness and saddles, sewing machines, stoves, musical goods, pianos and organs, men's, women's, and children's wearing apparel of all kinds, the prices they make on the highest class of goods are really astonishing and in many cases the prices are one-third to one-half less than the prices that retail dealers ask for the

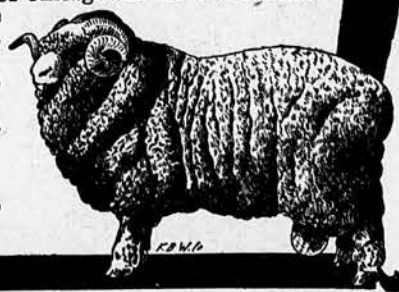
# Silberman

What you are to get for your wool depends on your getting it into the right market and being ready to sell instantly when the time is ripe. Send it where the manufacturers gather to find their supply. And be sure you select a well known reliable house.

## Silberman Brothers

are the great wool market emporium of Chicago and the West. Manufacturers come to their great storage lofts for their wool. Liberal advances of money at 6% interest per annum. Low commissions, no storage, perfect insurance. Sacks free to patrons. Their wool market circular keeps you posted. Send for it. Free.

**SILBERMAN BROS.,**  
122, 124, 126, 128 Michigan St.,  
CHICAGO, ILL.



### \$21.00 PRICE EXPLAINED

FOR \$21.00 TO \$23.00 also ROAD WAGONS at \$14.00 to \$17.00, SURREYS at \$34.00 to \$38.00.

TOP BUGGIES, similar to one illustrated, HAVE BEEN WIDELY ADVERTISED.

HOW BUGGIES can be offered at these prices and why we can sell buggies and all other vehicles at much lower prices than any other house is all fully explained in our **FOUR BIG FREE VEHICLE CATALOGUES**. Cut this ad. out and send to us and you will receive by return mail, Free, Post-paid, **FOUR BIG FREE VEHICLE CATALOGUES** showing the most complete line of everything in Buggies, Road Wagons, Carts, Surreys, Phaetons, Carriages, Light and Heavy Wagons, Vehicles of all kinds, also everything in Harness, Saddles and Saddlery, all shown in large handsome half-tone illustrations, full descriptions and all priced at prices much lower than any other house can possibly make.

### WITH THE FOUR FREE CATALOGUES

you will receive the most astonishing proposition. How others can offer top buggies at \$21.00 to \$23.00 and why we can sell at much lower prices than all others will be fully explained. We will explain why we ship so as to make freight charges amount to next to nothing. We will explain why we are the only makers or dealers in the world that can ship buggies the day we receive your order. Our Free Trial Offer, Our Pay After Received Terms, Our Binding Guarantees are all explained when we send you the **FOUR FREE CATALOGUES**. **HAVE YOU ANY USE FOR A BUGGY?** If you have, don't fail to cut this ad. out today and mail to us. If you can't use a Top Buggy at any price, call your neighbor's attention to this announcement. Don't buy any kind of a buggy until after you cut this ad. out and send to us and get the **Four Big Free Catalogues**, the most liberal offer, the very latest. **SEARS, ROEBUCK & CO., CHICAGO.** Proposition, everything explained, all free for the asking. Write today.

## Texas Wants YOU.

Cheap land in rich rice and sugar-cane district of Gulf Coast.

Good markets, good schools, good neighbors and a good living.

Homeseekers and investors should investigate that part of Texas along the Cane Belt R. R.

THE SANTA FE WANTS YOU to use its direct line to Texas. Low one-way and round-trip rates the first and third Tuesday of each month.

Cut out this advertisement and mail it to me. I will send you facts worth knowing.



T. L. KING, Ticket Agt.  
A. T. & S. F. Ry.,  
Topeka, . . . Kansas.



## The Missouri Pacific Railway

The World's Fair Line

### 7 DAILY TRAINS BETWEEN KANSAS CITY & ST. LOUIS 7

Leave Kansas City 6:55, 8:00, 10:10 a. m., 1:10, 9:15, 11:00 p. m., and 12:05 midnight. Ask for your tickets via this line from Kansas City; if you miss one train you will not have long to wait for another.

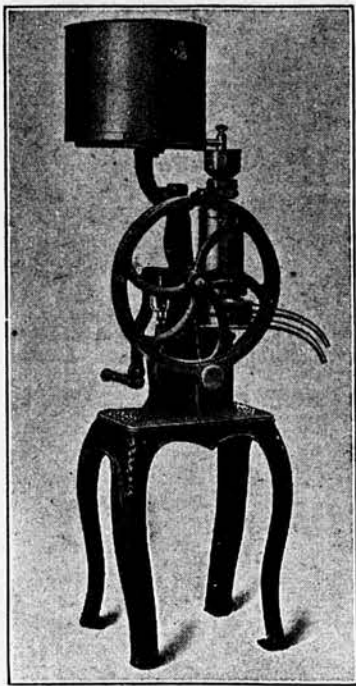
C. E. STYLES, A. G. P. A., Kansas City, Mo.

F. E. NIPPS, Ticket Agent, Topeka, Kans.



same goods. They sell everything in merchandise and if you would like to see their prices on any class of goods as well as their full explanation of their liberal terms of shipment, their guarantee and refund proposition, just write them a postal card and state the kind of goods you are interested in and a complete book covering such a line will be mailed to you immediately, postpaid, free of charge.

#### A Leading Farm Cream-Separator.



A superior hand cream separator, one which stands right up in the first rank, is the Omega, manufactured by the Omega Separator Company, of Lansing, Mich. Its manufacture was begun ten years ago, and from the very first, it has had a truly wonderful growth in popularity and sales. Every year has shown a noteworthy increase over the preceding one. As showing its present state of progress, we are advised by the manufacturers that the sales thus far in the year 1904 show an increase of fully five hundred per cent over the same period of 1903.

One does not have to look far for the cause of the Omega's popularity. It possesses just those features which must commend it unreservedly to users. First of all, of course, is clear skimming, and on this point the Omega is admittedly surpassed by none. Again it is especially strong in the matter of simplicity. Its bowl consists of but two parts. People who have ever used a separator and had the task of scrubbing and cleaning complicated, many-part bowls, do not need to be told what a boon a two-piece bowl is. It is not only simple, but is easily operated and the machine is under perfect and instant control. The Omega bowl when running at regulation speed, can be stopped, taken apart, cleaned and prepared for use again in three minutes. In the matter of durability and safety, the Omega is to be distinguished from all other separators. Its material is of the highest grade, its workmanship of the best. The manufacturers have turned out a large number of machines each year, but their aim has never been to turn out the greatest number, but to have the machines exceed in character of work and to give the most perfect satisfaction. A machine of the Omega's simplicity, superior build and perfect control naturally has few breakages. When properly handled, the repairs are next to nothing.

The Omega is advertised elsewhere in our columns. It will be noted that it goes out freely on trial, to the end that every purchaser may test and have full information at first-hand before closing the bargain. The company publishes an excellent descriptive catalogue which gives detailed information and is mailed free to all inquirers.

#### The Nickel Plate Road

Will sell tickets to Cleveland, Ohio, and return, account of National Baptist Anniversary, on May 16, 17, and 18, at rate of one fare for the round-trip, plus 25 cents. Tickets good going date of sale. By depositing same, extended return limit of June 10 may be secured. Through service to New York City, Boston, and other Eastern points. No excess fare charged on any train on the Nickel Plate Road. Meals on American Club Meal Plan, ranging in price from 35 cents to \$1; also service à la Carte. Chicago Depot, La Salle and Van Buren Streets, the only passenger station in Chicago on the Elevated Loop. Chicago City Ticket Office, 111 Adams Street and Auditorium Annex. Phone Central 2057. (No. 2)

Do you know why your face is irritated and has a drawn, biting feeling after shaving. Only one reason—poor soap. Try Williams' Shaving Soap and note the difference. The soft, rich, thick lather makes shaving easy and the after effects make it a pleasure. Send 2 cents for sample to the J. B. Williams Co., Gastonbury, Conn., and you'll agree with us after you have tried it.

#### THE MARKETS.

##### Kansas City Live-Stock and Grain Markets.

Kansas City, Mo., May 2, 1904. Last week was another good week in the cattle trade at this market and though prices of dressed beef steers were about 10c lower than last week the highest price since last September was reached on some very choice steers, that price being \$5.40 and the bulk of all the sales for the week were about \$4.50. The receipts last week were comparatively light at 30,000 and as usual the greater

part of the receipts were fat steers. There was a good supply of fat cows and heifers which sold fully steady with last week. An extra choice string of fat heifers sold Friday for \$4.80, the highest price received for heifers this season, and a few head of cows sold as high as \$4.40, and most of the sales were above \$3.50. Shipments of stockers and feeders to the country last week were 200 cars, about 25 more than the previous week and the market was not much changed from last week.

To-day's cattle receipts amounted to 6,000 head, a normal run for Monday, and the supply was distributed well among the different classes. The quality of dressed beef steers was better than usual for Monday and the market was steady with Friday's close, the top being \$5.05, which is considerably higher than the usual Monday top, there being some good heavy steers on the market. Fat cows and heifers were in good demand and heifers were 5@10c higher, the top being \$4.70. A few head of cows sold as high as \$4.10, the general market being steady with Friday. The bulk of the heifer sales were around \$4.25.

Shipments of stockers and feeders to the country Saturday were larger than any Saturday for a long time. To-day's supply was much larger than usual and were mostly stockers and there was an active demand for the entire supply. Stockers were 5@10c lower, while feeders were steady. Some Colorado feeders sold for \$4.50, the top for the day.

There was a fairly liberal supply of hogs here to-day, there being 6,700 head, of which 2,000 were direct to Armour from Sioux City and Wichita. The general quality of the receipts was only fairly good; however, some choice heavies were on the market. The market was generally 10c lower, but some of the early morning prices were not more than 5c off, while some of the late evening sales were 15c lower and the market closed weak at a 15c decline. Mixed hogs sold around \$4.60, and some of the mixed southerners sold as low as \$4.40. The top sale was \$4.72½ and the bulk of all the sales was between \$4.55@4.65. The market for pigs and lights was very uneven and the market was 10@15c lower; there was a very light supply of pigs. The top under 200 pounds was \$4.60, and the bulk of the sales around \$4.50@4.45.

Receipts of hogs here last week were much larger than usual at 51,000 and were distributed well through the week, with 11,700 on Friday, which was more than double those on the previous Friday. Never before at this season of the year was the supply any better in quality and never were the prices of hogs weighing from 150 to 300 pounds so nearly the same. Hog prices are still on the toboggan and slid to 20@25c lower than last week's close and the track is still in good condition. The top for the week was \$4.97½, reached on last Tuesday, and Saturday's top was \$4.82½. The bulk of sales for the week would range from \$4.76@4.90. The week's market has not been slow and sluggish as you would suppose from the conditions, but on the contrary has been active and brisk with total clearances each day.

Sheep receipts here to-day were moderately heavy, totaling near to 6,000. The first Texas grassers of the season arrived to-day and sold at \$4.90, being clipped wethers. The offerings were about equally divided between sheep and lambs, and everything sold well, the general advance being quoted at 5@10c. There were no choice wool lambs but some good clipped lambs sold at \$5.85, considered fully 10c higher. For the week just closed, the total receipts were but little over 16,000 and were nearly all lambs. There were some choice lambs offered at odd times during the week and the market kept climbing until it closed the week 30c higher on lambs. Muttons did not have any quotable advance. There were but few good sheep offered, the best sale of the week being that of a bunch of yearling wethers that were more on the heavy lamb order but that sold at \$6 Monday. Nothing came within a quarter of that figure later in the week.

The horse trade to-day opened lively with about 400 here to be sold. There were quite a number of Eastern buyers on hand and a few Southern buyers around. The quality of offerings was only fair, there being no choice drafts offered. Heavy chunks and light drafts were mostly in the majority. Prices during the morning were good and about on a level with last week, but this afternoon they took a drop and the evening closed with a decline of 15@20c per head. There were not many buying and the prospects were for a bad close. No fancy prices were realized. The mule trade was very quiet, very few being reported sold. All call comes for big mules and prices on them are steady. The past week was a light week in the trade and not over 200 head of horses were in for sale. The Eastern buyers took nearly all of them at good prices, filling out their loads of the buyings of the special sale during the previous week. Some demand for drivers kept up during the rest of the week and a perfect clearance was made by the close of the week. The mule trade was only fairly good during the week and several loads of heavy mules were sent to Eastern and Southern points. In all cases prices were good.

H. H. PETERS.

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

South St. Joseph, Mo., May 2, 1904. On Monday and Tuesday of last week beef steer prices gained 20@35c, under light to moderate marketing, but the liberal runs and lower prices at outside points on Wednesday and Thursday had a bad effect on the local trade, and all of the above gain was wiped out. Top for the week was \$5.20, with a great number of offerings going around \$4.50 and better. The cow and heifer market followed in about the same tracks as the trade for beefs, with best heifers selling up to \$4.65 and cows up to \$4.25. The demand was centered on good to choice grades of stock cattle of all weights, and prices held firm, but common and medium offerings were dead dull at a loss of 10@15c in value.

Last week's receipts of hogs were not liberal, but the trend of prices was lower, in sympathy with the adverse turn in the market for provisions and the bad conditions at outside points. Most trad-

## 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.

FOR SALE—2 choice Hereford bulls, 22 months old; something good. Call on or address A. Johnson, Route 2, Clearwater, Sedgewick Co., Kansas.

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

D. P. NORTON, Dunlap, Kans., offers registered Shorthorn bull and heifer calves, crop of 1903, at \$50, get of Imp. British Lion 138692.

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.

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

#### FARMS AND RANCHES.

##### A Choice Home, a Bargain.

In order to divide an estate, we will sell a fine farm ¼ mile east of Ottawa, Kansas, consisting of 135 acres of well improved land. There is a good 8-room residence, barn, and various other outbuildings. A large wood of about 150 bearing trees. Good water and some timber. About one-half is upland and one-half rich bottom. Some wild and some tame meadow. Ottawa has 9,000 inhabitants, and the finest park in the state, where the largest annual Chautauqua of the west is held. It has fine schools, including Ottawa University. It has no saloons. Price of above land is \$100.00 per acre. Possession given in thirty days from purchase. For particulars address

JORDAN & STACHEL,  
228 Main St. (up stairs) Ottawa, Kansas.

FOR SALE—\$10,000 stock of goods, up-to-date and making money; \$5,000 store building, 50 by 65 feet, stone, two stories and basement, good as new; \$2,000 9-room frame residence, first-class condition; one block of ground with residence; \$2,500 farm of 160 acres, adjoining town, creek farm, well improved; \$6,000 ranch, 1,320 acres, 8 miles southwest of Jetmore, improved. Will take good eastern Kansas property as part payment; good title; my own property. John L. Wyatt, Jetmore, Hodgeman Co., Kas.

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—160 acre farm, good improvements, abundant supply of excellent water, close to school, 4 miles to church, postoffice 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.

#### HORSES AND MULES.

FOR SALE—Young, black Percheron stallion Charles L. Covell, Wellington, 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. Poon, Petter Kans. Barns 3 blocks north of depot.

#### SWINE.

CHOICE young Shorthorn bulls very low prices; also open or bred gilts, Poles or Durocs. M. C. Hemenway, Hope, Kans.

FOUR fine Poland-China boars, from litter of 11, for sale; also gilts and bred sows. A. M. Jordan, Alma, Kans.

FOR SALE—Thoroughbred Duroc-Jersey sows, September farrow. They are good; come and see. H. J. Lane, "Hedgewood," W. Sixth St., Topeka, Kas.

PEDIGREED POLAND-CHINA males cheap. Barred Plymouth Rock eggs 5 cents each. John D. Ziller, Hiawatha, Kans.

#### POULTRY.

INDIAN RUNNER DUCKS and White Wyandottes—Prize-winning stock; bred for utility; 16 eggs, \$1.50. Will exchange for turkey eggs. L. D. Arnold, Salina, Kans.

PLEASANT VIEW POULTRY FARM—White Wyandotte eggs for sale, 5 cents each. S. Bailey & Wife, Route 3, Independence, Kans.

ers are of the opinion that packers will continue to shave values whenever possible, and that owing to the continued good quality of the offerings and the scarcity of common light and light mixed offerings in the receipts that quite a good number of marketable hogs are in the country. The tops to-day were made at \$4.70, with the bulk of sales at \$4.60@4.62½.

To-day Colorado-Mexican lambs sold at \$6.85 and Kansas-Mexican lambs, clipped, brought \$5.85, which prices were the top ones of the season, or right back to the high point of the last week, when the bulk of Western lambs with wool sold at a range of from \$6.75@6.80, with quite a number of big droves at \$6.85. For the past two weeks not mutton grades have been coming to make a fair test of prices, although the demand is strong for this class of offerings. Last week woolled Colorado-Mexican wethers fetched \$5.85 and ewes out of the same feed lots went at \$5.50. No yearlings were on sale, but best handy weight Mexicans were quotable at \$6. FRIDLEY.

#### SEEDS AND PLANTS.

FOR SALE—Genuine Siberian millet seed—sow one-half bushel per acre—60 cents per bushel. Sacks free in lots of two bushels or more f. o. b. at Topeka. Address J. W. Ferguson, Route 1, Topeka, Kans.

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

FOR SALE—Japanese and African millets, \$2 per hundred. Wheeler & Baldwin, Delphos, Kans.

ALFALFA SEED—\$8.50 per bushel. No seed, no weed-seeds. J. H. Glen, Farmer, Wallace, Kans.

TOMATO and Cabbage plants for sale; good, healthy plants, 25 cents per 100; \$2 per 1,000. In lots of 5,000 or more at the rate of \$1.50 per 1,000. C. A. Hicks & Co., 369 Elm St., Lawrence, Kans.

#### MISCELLANEOUS.

AGENTS WANTED—To sell the quickest seller ever sold to farmers. A money-saver. They cannot afford to get along without one, and even borrow the money to purchase. 1500 sold in one county. Expect our total sales for 1904 to reach \$300,000. We want an agent in every locality in the Central States, where we are not already represented. Write us to-day. Farmers' Account Book Co., Newton, Iowa.

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

500,000 POUNDS WOOL WANTED—Write us for prices; send sample and we will offer you the highest market price by return mail. Western Woolen Mill Co., North Topeka, Kans.

FOR SALE—A 60-barrel mill. Address D. F. Van Buskirk, Blue Mound, Kans.

GOVERNMENT POSITIONS—As clerks, carriers, stenographers, accountants, etc., paying \$600 to \$2,000 salary. Applicants of limited means allowed to repay part expenses after securing positions; state which position you prefer. Address Office Training School, Kansas City, U. S. A.

WANTED—Information as to the present address of A. B. Tutton, whose address was Greenwood Co., Kans., in 1889, or of his heirs if he is dead. Address Harvey Spalding & Sons, Washington, D. C.

WORLD'S FAIR—50 rooms for visitors, close to grounds, furnished with or without board, good neighborhood, on car line. Write for list at once. A. T. Eakin, (formerly County Treasurer of Hodgeman county, Kansas) 4612 Bell Ave., St. Louis, Mo.

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.

VIEWS OF TOPEKA FLOOD—Having purchased the balance of the edition of the "Views of Topeka Flood" of which many thousands 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.

##### Rose Hill Herd of Duroc-Jersey Hogs

I have for sale a choice lot of boars ready for service; gilts bred or open, and a fine lot of early spring pigs, all out of large, prolific sows and sired by well-developed boars. Special prices for next 30 days. S. Y. THORNTON, Blackwater, Cooper Co., Mo.

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# GRAND DISPERSION SALE POLAND-CHINAS

Wednesday, May 11, 1904, at 1 O'clock p. m. Sharp,  
**Valley Center, Sedgwick Co., Kans.**

**40-** Bred Sows, Sows with litters at foot, **-40**  
Open Sows, and Fall Gilts and Boars.

Sired by Faultless Jr. 31238, Grand Champion at Wichita in 1903, and U. S. Perfection Jr. 29547, first prize aged boar at Wichita in 1903. Sows bred to Faultless Jr. and Beautiful Sunshine, a grandson of Ideal Sunshine.

Sale includes Morning Glory, the dam of Faultless Jr.; also two of his litter sisters and the first prize sow under 6 months.

The entire herd of the late F. M. Miles will be sold at this time. Everything goes.

For Catalogue address

**VALLEY CENTER STATE BANK,  
Valley Center, Kans.**



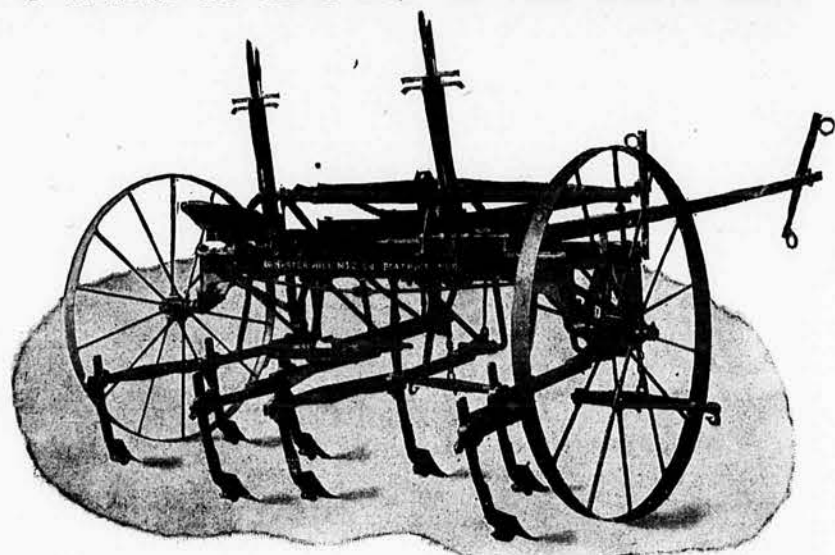
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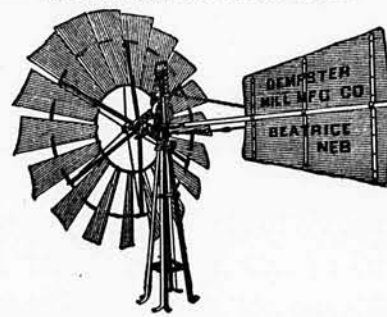
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**Percheron Horses**

HENRY AVERY &amp; SON, WAKEFIELD, KANSAS.



Percheron Stallions and Mares

COACH STALLIONS

Big Black Mammoth Jacks and Jennets

S. A. SPRIGGS, Westphalia, Kans.

**Registered Stallions For Sale**

15 HEAD AT SPECIAL PRICES CONSISTING OF

Five Percherons, 2 to 5 years old—all black but one, and that a black-grey; two black yearling Percherons; four Shires, 8 to 7 years old; three trotting-bred horses, 3- and 4-year-olds; one registered saddle stallion. All but two at prices from \$200 to \$1,000 each. Come a once for bargains.

SNYDER BROS., WINFIELD, KANSAS.

**Percheron Horses**  
**Shorthorn Cattle**

And a fine line of Young Jacks for Sale.

O. L. THISTLER,

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**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 8866) 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.

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**LAFAYETTE STOCK FARM**

LaFayette, Indiana.



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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 coaches 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.

J. CROUCH &amp; SON, Props., LaFayette, Ind.

**AMERICA'S LEADING**  
**HORSE IMPORTERS****A Record of Superiority Never Approached.**

At the International Live Stock Exposition 1903, one of our 2,200 pound stallions won first prize and championship. One of our sensational acting Coach stallions won first prize and championship. Four Percherons won first in collection. Our stallions entered into competition ten times and five times won first prize; none of our competitors in all these contests won more than one first prize.

At the Great Annual Show at France, held at Evreux, June 1903, our stallions won first, second, third and fourth prizes in every Percheron stallion class; also won first as best collection.

At the Show of the Societe Hippique Percheronne de France held at Nogent-le-Rotrou, June 1903, our stallions won every first prize, over forty prizes in all. Two groups were made up of our exhibit on which we won first and second.

At the American Royal, 1903, our Percheron stallions won every first prize. One of our Percherons won championship. Five of our Percheron won first as best collection. Our French Coach stallions were equally successful, winning every first prize.

At the Iowa State Fair our Percheron stallions won three first prizes and first in collections.

At the Minnesota State Fair our French Coach stallions won every possible first prize and grand sweepstakes. At the Ohio State Fair our stallions won fourteen first prizes out of a possible fifteen. At the Indiana State Fair our Percherons won three first prizes. Our French Coaches won every possible prize. At the Kansas State Fair our Percheron and French Coach stallions won every first prize, including grand sweepstakes. Our last importation and the fourth for us in 1903, arrived in Columbus, Tuesday, Dec. 8. During the year we have imported from France four times as many Percheron and French Coach stallions as have been brought over by any body else. Ours are the very best, we import more of them, sell more of them and therefore can furnish our customers a better horse for the money than can be bought elsewhere.

If your neighborhood is in need of a good stallion, let us hear from you.

**McLAUGHLIN BROTHERS,**

St. Paul, Minn.

Columbus, Ohio.

Kansas City, Mo.

**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 Sheldley Bldg, Kansas City, Mo.

## 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 at "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-away). 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. Samantha 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 Hob; 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 coaches 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 interpreter. 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.

**ROBISON'S**  
**PERCHERONS AND SHORTHORNS.**

J. W. &amp; J. C. ROBISON,

Towanda, Butler Co., Kansas.

**IMPORTERS AND BREEDERS.**

Largest herd of pure-bred Percherons in the Southwest. Herd headed by Casino (45462) 27880, winner of first prize, Missouri and Kansas State Fairs 1902 and 1903; also headed first prize herd at recent American Royal. See our exhibit at St. Louis. Stock all ages for sale.

**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 in 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 1,500 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.

**BIG DISCOUNT SALE—20, 25, 30 PER CENT OFF.**

40 Imported Draft and Coach Stallions still in our barns—40. They must and shall sell by the 25th day of April. Give us the cost and you may have all the profit. Come quick, come fast and get first choice. They are good, clean, all-around, young, imported stallions; ages from 3 to 5 years old; all heavy weights. Percherons, French Draft, English Shire, Belgian and German Coach.

The Grandest Lot of Stallions in all the West.



## 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.

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