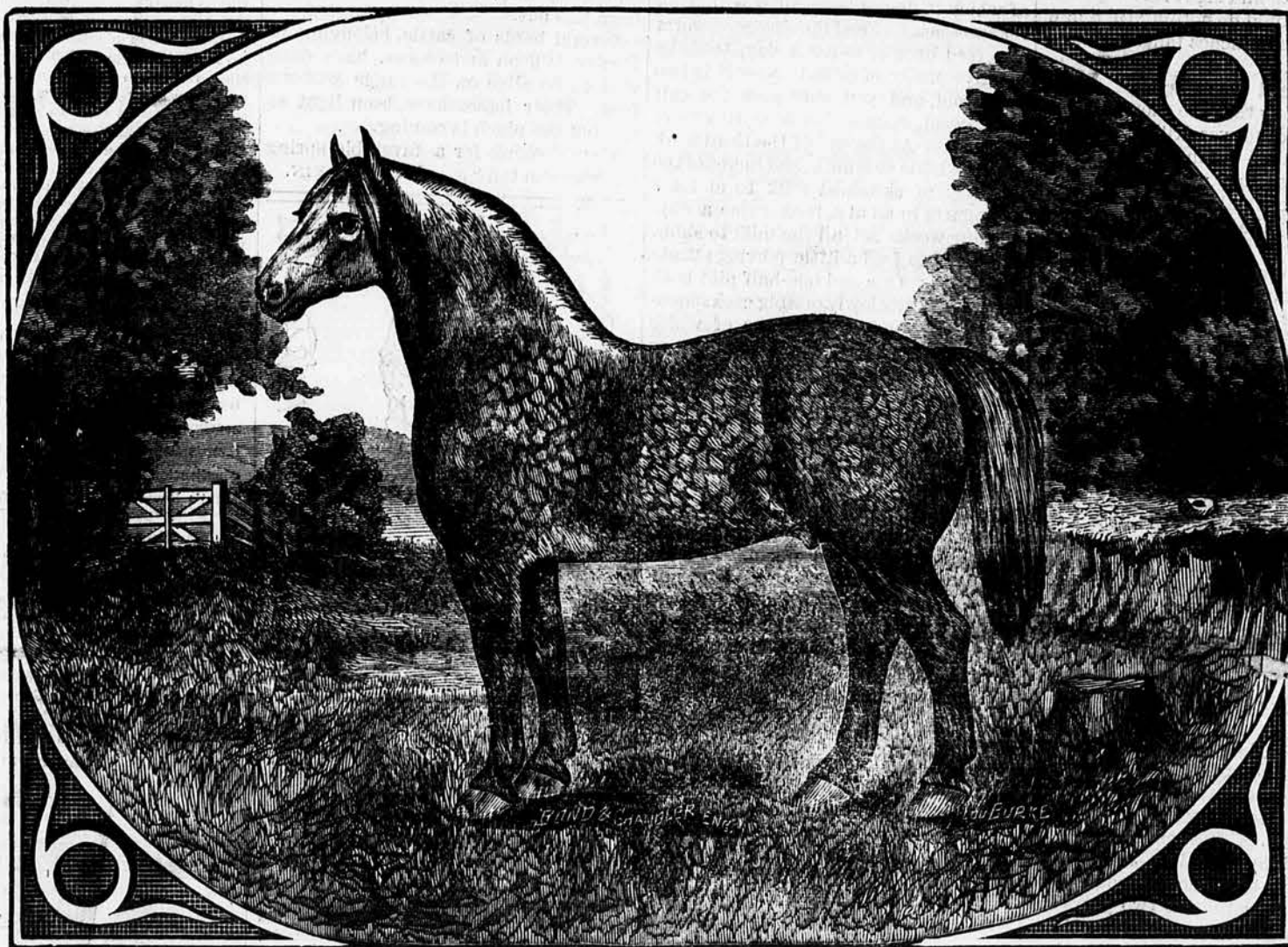




ESTABLISHED, 1863.

TOPEKA, KANSAS, FEBRUARY 14, 1883.

VOL. XXI, No. 7.



The Horse that took Sweepstakes Prize at Illinois State Fair, 1882: Owned by Virgin & Co., Fairbury, Ill.

#### White Russian Oats.

Editor Kansas Farmer:

Thinking that my experience in growing White Russian oats in Kansas might not be uninteresting to some of the readers of your valuable paper, I send you the result of my first experiment. As I am a breeder of fine horses and Jersey cattle the question of feed is an important matter with me in regulating the cost of growing such stock, and as I have consumed from 2,000 to 3,000 bushels of oats annually for the past ten years I have necessarily had quite a wide experience with the various kinds of oats grown by the farmers of Douglas and adjoining counties. Inferior to bad quality has been the rule each year in purchasing oats of the producers and dealers in the market, and I resolved last year to try what I could do on my own farm to grow a better quality.

Every farmer knows or ought to know the importance of having good seed to start with if success is to be attained. It is also a well known fact that it is not good policy to sow continually seed raised on the same land without changing.

Oats, like all other grains will run out and become dwarfed by using year after year the same kind of seed, therefore new seed from other localities should be procured every two or three years at least. Having

read in the various agricultural journals much praise of the productiveness and superior quality of the White Russian variety, I concluded to make the experiment and satisfy myself of the truth or error of what I had read about them, and I accordingly sent an order to Mr. Ferry, of Detroit, Mich., for 25 bushels at a cost of two dollars a bushel laid down in Lawrence. My ground was plowed in the fall after the failure of a wheat crop, cultivated and harvested before seeding, and about  $2\frac{1}{2}$  bushels by weight drilled in per acre. Considerable volunteer wheat came up and in some parts of the field the wheat took nearly all of the oats; so much so that I could not exactly estimate the yield; but I had, after threshing, over 500 bushels of oats, throwing out what was mixed with wheat. The land on which the oats were grown was upland prairie that had been cropped for fifteen years without manuring.

From this result I am satisfied that 75 bushels per acre would have been my yield if the ground had been clear of wheat. The quality of oats are the best I have ever seen; pure white, very thin hulled, and weigh, graded fit for seed, 45 pounds to the bushel. If I am as successful in the future as I was in my first trial, I shall not experiment with any other kind. I believe that one hundred bushels per acre can be grown on good

ground as easily as fifty bushels of the common black or white oats. The Russian is a thrifty and hardy grower and does not lodge, every stock throwing out broad leaves or suckers from root up to the head; and it is claimed by many who have raised them that they are chinch bug proof, and are not as liable to rust as other oats.

If any one reading this article wishes to try their hand at growing White Russian, I can furnish them with pure seed at one dollar and fifty cents per bushel.

E. A. SMITH.

Norwood Stock Farm, Lawrence, Kas.

#### The Michigan Settlement.

Editor Kansas Farmer:

I have just returned from a week's visit among my old friends and acquaintances in Harper county, called the Michigan settlement. Most of them came here four years ago, when the nearest railroad station was at Wichita, some 65 miles distant.

They now have railroad stations right at their doors, at Danville and Harper, with nearly all the advantages of the older settlements of our state. They have had good and bountiful crops the past year; they have thriving towns, good markets, schools and churches, marking the progress of civilization. The value of their lands have advanced from \$1.25 to \$10 and even \$20 per acre,

Under these circumstances it is no wonder they are a contented and happy people.

Many of the settlers were active workers in the Grange from which they came when moving to this state, and by their request I delivered two public lectures in the church at Danville; and by the interest manifested I have no doubt they will have a grange in the no distant future.

Faternally, SAM'L J. BARNARD.

#### In Osborne County.

Editor Kansas Farmer:

On the 18th of January and for several days thereafter we had the coldest weather ever experienced in this section, and on Friday last, Feb. 2, came another wave. In the first cold spell the thermometer reached 24 degrees below zero, some say more. Last Friday it fell to 20 degrees below. The weather throughout January was cold.

This weather is hard on stock, especially for such as has not been sheltered. Still as there was not much wind, stock has not suffered much.

Considerable snow fell previous to setting in of cold weather and wheat therefore has not suffered, at least we hope not. We may look for an early spring I think after such cold weather.

M. MOHLER.

Osborne, Feb. 5,



## The Stock Interest.

### Sorghum for Feed.

Editor Kansas Farmer:

I read with much interest the article by "X O X," regarding his experience with an acre of White African cane as a fodder crop, and shall stick to Amber. From what experience I have had, I believe to get the most out of cane it should be cut when it gets sweet, which is about the time the tops begin turning and the seed in the dough, and only that portion of a crop be allowed to remain standing that will be fed off before the heavy frosts come.

I cut with a Buckeye self-rake twenty-five acres, and there was not a stalk down. A considerable portion of the cane was seven and eight feet high and the machine could do nothing till a new reel post eighteen inches taller had been attached.

I have noticed some articles in the FARMER stating the cane should be cultivated. My cane was drilled in with a wheat drill; shall put in forty pounds to the acre next spring, and I know that last year an excellent yield was obtained, the head well filled with seed and the stalk sweet. By putting it in thick a machine can be used, thus greatly lessening the expense of handling. I used Early Amber last season and intend using same variety this year. Seed cost last season \$1.75 to \$3.50 a bushel. With seed at 1.75 per bushel I think the cost of one ton of prairie hay and one ton of sugar cane is about the same. For the amount of cane I wanted for feed I consider an acre of it better than fifty bushels of corn. In the fall when sweet and juicy the hogs will eat stalk and all. I don't believe cane should be called an exclusive feed for any kind of stock, but I do believe every farmer or stock man will find a little patch, or an acre, or hundreds of acres, a great help in caring for his stock. Wherever sunflowers will do well, I think cane will. C.

Bennington, Ottawa Co. Kas.

### Hogs and Calves.

I am a close observer of the letters pro. and con. in the FARMER, upon stock raising, farming and tree culture in Kansas. I think H. A. Ensigna hits the nail on the head in regard to Jersey Red Hogs. I have seen those brought here from New Jersey that at two years old were but little larger than my Poland China at two years old; and they had been petted and babied at that. I cannot agree with Friend Rustic about salting calves. I have always salted mine as soon as they would eat it, and have never lost one yet by it. I had two calves born stone blind last spring; both cows were two years old past; otherwise they were as strong calves as I ever saw. I also salt my hogs in summer, once a week, and in winter I give as much in their slop. I have not lost a hog or pig in four years by disease, while they die all around me. I do not wish it understood that salt prevents disease (the reasons are too numerous to mention here), but I think salt is as essential to their diet as it is to a horse, cow or man. I am like J. T. Smith, of Lincoln county, only more so. I want to set out 1,000 Russian Mulberry trees in the spring; am tired of Cottonwood trees. They grow fast all must admit, but in this region the borers kill a great many of them at four to seven years old. I saw in the Nebraska Horticulturist of January 1, 1883, that Carpeffer & Gage, of Bower, Jefferson county, Nebraska, offer Russian Mulberry trees (by mail, post paid), four to six inches, 100 for \$3.00; and twelve to twenty-four inches, 100 for \$5.00. If we can get them in Kansas for less I would like to know where. C. I GOULD.

Jamestown, Cloud Co., Kan. Feb. 5, '83.

### How I Raise a Calf.

We are all interested in the rearing of good stock on the farm; and to have such, good care, good feed and plenty of water, with good warm, dry shelter, are the requisites. Now, to begin with, if we want to have a good, large, thrifty yearling, and from that on, we must begin right; have the foundation good, and you will be rewarded by having good large two and three year olds. Don't stint, but from the first feed liberally. I will tell how I feed as some one gave their method some time back. First: Let the calf suck till the milk is good; then put it in a warm stall near the cow; milk the cow and give the calf the finger after it has got real hungry, and when it begins to suck lower the head into the milk, and in most cases the work is done. Now it will take the fresh, warm milk, of which it should have all it will drink for one week. (Feed the cow good warm slop feed once or twice a day, to make her give plenty of milk.) Now it is two weeks old, and you may give the calf some sweet, skimmed milk, setting more fresh milk. At the end of the third week give it a little new milk, and increase the quantity of skimmed milk to at least five quarts in all at a feed twice a day. At four weeks set all the milk to skim, and begin to feed a little porridge made as follows: One and one-half pint boiling water; stir lowly one big cookspoon-full of Graham, or the same of white flour and shorts; let it boil well; put in milk, and give by this time at least eight quarts at a feed. At five or six weeks begin to feed a little corn and bran. At two months old increase the porridge to one gallon of boiling water, stir in slowly one pint of common shorts; let boil well, and give it less milk; say two or three quarts of milk in the porridge. Always feed warm. Let the calf have plenty of hay, or fodder, millet, or sheaf oats; All are good. Now, I should say, in making the porridge be sure and put a teaspoonfull of salt in each feed. It will not hurt your calf. My word for it, Mr. Rustic's experience to the contrary. Feed as I direct and you will not have calves looking like they had been knocked in the head with the churn-dash, I have two fine calves, raised as above, that will be ready to go on the range as soon as grass comes.

MRS. J. P. WALTERS.

Emporia, Lyons Co., Feb. 5.

### For Indigestion.

Editor Kansas Farmer:

In FARMER, Jan. 10, D., of Dickinson Co., Kan.: For Indigestion, try Nux Vomica tincture, one ounce; Aconite tincture, one drachm; turned into one quart flour; mix well, and then mix this with one-half bushel salt for flock per week. One teaspoon sulphur, per hundred sheep, will be good if well mixed with salt, either with the above or separate. WM. C. CAMPBELL.

P. S.—I have 500 best Merinos; all doing well. I believe in plenty of feed and grain; also range nearly every day. WM. C. C.

Cawker City, Kan., Jan. 31, 1883.

### Sheep in Pawnee County.

I have visited several herds within the last ten days and find them in good condition. Taylor & Woverton, on the old Davenport place, with 2,000 head, are feeding rather small rations of Sorghum, and about one bushel and a half of corn to the lot. Although it is extremely light feed, the sheep are doing very well. They have lost seven head. The Buskirk herd, 2,200 head, on the old J. B. Miller place, are not looking as well. They have the range and small rations of hay. Do not know his loss. The Doctor Black herd, on the old Wood range, 1,850, are looking fine; W. W.

McCune, foreman, with a good, careful herder. They have fed fifteen tons of hay, some corn fodder, a little rice corn fodder and some sorghum, mostly to the weaker sheep; are feeding three bushels of corn to the lot and running on the range.

Mr. Botby, an Ohio man, on the Pawnee creek, has 1,956 sheep, brought from Ohio last summer. They went into the winter very thin. They are doing better than could be expected on the feed—ten bushels of corn and one and one-half to two tons of hay per day. His sheds and racks are the best I have seen, but his range is very poor and small. His losses are extremely light, considering the grade of sheep, being lately from the East, and such light feed.

Mr. Sladon, on his old range, 645 head, with nothing but the range, are looking remarkably well, but will loose heavily from this out.

Several herds of cattle, belonging to Doctor Wilson and others, have done well to be alive on the range without feed. Their losses have been light so far, but the pinch is coming.

I am looking for a favorable spring but who can tell? W. J. CALVIN.



For all those Painful Complaints and Weaknesses so common to our best female population.  
**LYDIA E. PINKHAM'S VEGETABLE COMPOUND.**  
Is a Positive Cure

For all those Painful Complaints and Weaknesses so common to our best female population.  
A Medicine for Women. Invented by a Woman.  
Prepared by a Woman.

The Greatest Medical Discovery Since the Dawn of History.  
It revives the drooping spirits, invigorates and harmonizes the organic functions, gives elasticity and firmness to the step, restores the natural lustre to the eye, and plants on the pale cheek of woman the fresh roses of life's spring and early summer time.

Physicians Use It and Prescribe It Freely.  
It removes faintness, flatulency, destroys all craving for stimulant, and relieves weakness of the stomach. That feeling of bearing down, causing pain, weight and backache, is always permanently cured by its use. For the cure of Kidney Complaints of either sex this Compound is unsurpassed.

**LYDIA E. PINKHAM'S BLOOD PURIFIER** will eradicate every vestige of Humors from the Blood, and give tone and strength to the system, of man woman or child. Insist on having it.

Both the Compound and Blood Purifier are prepared at 233 and 235 Western Avenue, Lynn, Mass. Price of either, \$1. Six bottles for \$5. Sent by mail in the form of pills, or of lozenges, on receipt of price, \$1 per box for either. Mrs. Pinkham freely answers all letters of inquiry. Enclose 3ct. stamp. Send for pamphlet.

No family should be without **LYDIA E. PINKHAM'S LIVER PILLS.** They cure constipation, biliousness, and torpidity of the liver. 25 cents per box.  
Sold by all Druggists.



### Farm Machinery at Cost.

To close out the farm machinery branch of my business. Look at these prices for AVERY FLOWS, every one warranted:

A 16-inch Steel Beam Plow at	\$13.00
A 11-inch Steel Beam Plow at	8.50
A 10-inch Steel Beam Plow at	7.50
A 16-inch Wood Beam Plow at	9.00
A 14-inch Wood Beam Plow at	8.50
A 10-inch Wood Beam Plow at	7.00
Kansas Queen Breakers with roller-cutter and gauge wheels	18.00
Superior wheat drill	45.00
Rockford combined drill and corn planter	35.00
Climax mowers and reapers at bottom prices.	

Do not miss this opportunity to get cheap and first-class machinery.  
I must close out the above machinery to make room for my Seed business.

**THE TOPEKA SEED HOUSE.**

We present no pretended miracle.—  
"Truth is mighty and must prevail."  
—No sophistry can withstand the power of its honest utterance.

Editor of Evening Press:—

DEAR SIR,—Feeling deeply grateful for the great benefits which I have received from the use of a very valuable article which has its origin and home in our beautiful city, and hoping that others who are afflicted as I have been may find like relief from its use, I beg the indulgence of a few lines in your valuable paper for the privilege of communicating to you a brief statement of facts, for the benefit of the multitude of sufferers to be met with on every side. Many of my friends well know that I have been very severely afflicted with heart disease for a number of years, and have suffered from it as only those can suffer who have that disease; it reduced my strength so low that I could scarcely walk across my room, and the least exertion rendered me so short-breathed that I dared scarcely move, and life seemed very burdensome. I was treated for my malady by the best physicians, and derived no benefit from their treatment or prescriptions until I was advised by my family physician to use Hunt's Remedy, as my trouble was caused by inaction of my kidneys, which affected very seriously the action of my heart. I commenced taking it (having little faith in it or any other medicine), and it has helped me wonderfully, and I am now a great deal better, and have been ever since I began its use. In fact I have taken no medicine that has benefited me so greatly. My breathing is easy, and I have gained in strength so much that I am able to do my housework. I cheerfully recommend Hunt's Remedy to all who may be afflicted as I have been, or who are suffering from general debility and nervous prostration.

Respectfully,  
Mrs. A. O. ROCKWELL,  
Pearl Street, Providence, R. I.

A standard medicine for curing Bright's Disease, Dropsy, Kidney, Bladder, and Glandular Maladies is Hunt's Remedy. Female Weakness, Pain in the back and loins, Gravel, Diabetes, Intemperance, Excess, and Prostration of the nervous system are cured by Hunt's Remedy. Hunt's Remedy imparts health and vigor to the constitution when it has become debilitated. Hunt's Remedy restores the invalid to health.

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**M. W. DUNHAM,**  
OAKLAWN FARM,

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25 miles west of Chicago, on C. & N. W. R'y.

468 OF THE FINEST

Imported from France by him during the past 12 months, (259 since July 1st.)



Being more than the combined importations of all other importers of all kinds of Draft Horses from Europe for any previous year; and more than have ever been imported and bred by any other man or firm during their entire business career.

In these statements grade horses are not included to swell numbers or mislead.

Come and see for yourselves the greatest importing and breeding establishment in the world. Visitors always welcome, whether they desire to purchase or not. Carriage at depot. Telegraph at Wayne, with private Telephone connection with Oaklawn.

- Dated Sept. 1, 1882. Send for Catalogue

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Our Illustrated Spring Catalogue of Seeds, Plants and Florists' Supplies.

(Extra inducement to market gardeners.) Address  
**MICHIGAN SEED CO.,**  
DETROIT, MICH.



## 3 GREAT PUBLIC SALES IN KY.,

Of Trotting, Running, Road and Saddle Horses—R. G. STONER, of Paris, Ky., Feb. 24th, forty four head; T. E. MOORE, of Shawhan, Ky., Feb. 21st, forty head; W. H. WILSON, of Cynthiana, Ky., Feb. 22d, 70 head. Address each for catalogue.

## Out of Debt: Happy Homes

Jefferson county, Kansas, don't owe a dollar. Map, statistics, price of land, etc., free. Address  
Meigs & Insley, Okaloosa, Kan.



## Horticulture.

### REPORT OF STANDING COMMITTEE ON ORCHARDS.

State Horticultural Society.

It is estimated that nearly one-half of all the fruit trees planted in the state are killed by the negligence of planters. While this is true of the general planting, it is equally true that those who have paid strict attention to the culture and protection of their fruit trees have been remarkably successful, not losing, from all causes, more than one per cent.

If these estimates are correct it indicates a fearful loss, and the question arises: Are these losses unavoidable? Are we to plant trees only to have them destroyed? Your committee think not, and we have thought best to investigate the cause of these failures.

The first great loss is sustained by planting poor trees.

The second is in taking up the fibrous roots are all cut off.

Moving the trees a long distance exposed to sun, wind and frost.

Setting the trees too deep and neglecting to pack well pulverized soil around the roots.

Occasional dry seasons are very destructive. Clean and thorough culture, mulching and watering are the remedies.

Thousands of trees are seriously injured by growing wheat, rye and oats in the orchard. As many more are injured irretrievably by sun scald, by leaving the bodies and limbs exposed to the destructive rays of the mid-day sun.

More orchards have been destroyed by rabbits than by any other cause. Rabbits and fruit trees cannot grow and flourish together. An exterminating war must be the motto, or the trees must be protected from their attacks.

Stock should not be permitted in the orchard. Sheep are very destructive, and cattle display great skill in twisting off the tops of young trees.

Insects are great pests in the orchard and will ruin the trees if not destroyed.

This frightful array of enemies is not brought forward to alarm and prevent farmers from planting trees, but rather to warn them that when the orchard is planted, their work and watchfulness has just commenced.

Our orchards contain nearly thirty thousand trees more or less. We have been very successful, losing about one per cent. of the trees planted. Our mode of setting is as follows:

Take a good steady team with a twelve-inch plow, and mark out east and west where the trees are to stand, then mark out north and south as follows: Set the stakes one foot east or west of where the trees are to stand, run a furrow through by the stakes, then return, letting the rear horse walk in the furrow, running the back furrow one foot from the other; set the plow as deep as the team can stand, then go one round more and throw out the middle. A straight furrow can be thus thrown out ten to twelve inches deep and twenty inches wide.

Now hitch your team to the wagon, fill in plenty of wet straw or hay and drive to the nearest nursery, and as fast as the trees are taken up pack them into the wagon with plenty of wet straw about the roots; drive home and on the orchard ground, and plant the trees in the furrows where they cross each other, packing the soil firm about the roots, inclining the head of the tree to the southwest. After the trees are set out hitch the team again to the plow and throw the furrows back, tread the surface around the trees, then mulch and protect the stems with long slough grass or straw.

A dwarf variety of corn or potatoes are

the best crops for an orchard.

Carolina Red June, Red Astrachan, Cooper's Early White, Maiden's Blush, Fameuse, Lowell, Gramar, Pearmain, Jonathan, Winesap, Missouri Pippin, Ben Davis, Rawles Janet, Dominie and Gilpin are the best varieties for commercial purposes. J. W. R.

#### About Apples—Varieties for Kansas.

Editor Kansas Farmer:

As the time is close at hand when tree planting will be resumed in Kansas I take the liberty of presenting a few suggestions, based upon my own experience and observation during my residence here since March 22, 1855. At that date the territory of Kansas had but just been opened up for settlement, and not a single orchard planted except a few trees at the different missions. By most of the early settlers it was considered a waste of time and means to plant apple trees in such an open and unsheltered country. For the first twenty years Kansas was mainly supplied by our Missouri neighbors, who seemed not only willing but anxious to grow apples for us and deliver them in the orchard for fifty to seventy-five cents per bushel. A few, however, of our settlers had sufficient faith in our soil and climate to send to Rochester, New York, and other points, for nursery trees, some of which grew thriftily, and in due time began to bear fruit. As soon as the fact was established that apple trees would grow and bear fruit in the territory of Kansas, orchards of from one to twenty acres were planted on very many of the improved claims. A large proportion of the young trees brought in from other states was either untrue to name, or entirely unsuitable to our soil and climate. The immediate results, consequently, were very unsatisfactory, and many became not only discouraged, but disgusted with the business of apple growing. Out of the hundreds of varieties planted it was found that a few succeeded well and bore fruit abundantly. This so encouraged tree planting that most of the young orchards were enlarged and supplemented with the successful varieties. The knowledge thus gained enables us to decide with certainty what to adopt and what to discard, so that whoever plants an orchard in Kansas now, with all the experience of the past twenty-five years at his command, is morally sure of successful results by exercising intelligent care and industry in the planting, care and culture of the young trees.

#### APPROVED VARIETIES.

As might be expected, there is often a difference of opinion expressed of the relative merits of those approved sorts by our leading orchardists. This is accounted for by the difference of soil and location. Out of the thousands of sorts of apples grown, I would reduce the list to about a dozen varieties for a commercial orchard. These I can confidently recommend, having grown them myself with great success:

For Summer—Early Harvest, Carolina Red June and Cooper's Early White.

For Fall—Maiden's Blush (early fall), Jonathan and Rambo.

For Winter—Winesap, Missouri Pippin, Ben Davis and Rawles Janet.

It will be remembered that I recommend the above list for profit, all being profuse bearers and very salable. The list can be indefinitely enlarged to suit individual and family taste.

In my next I will give my practice of laying out the orchard and planting the trees. S. R.

**CARDS NEW CARDS FOR 1883**  
 67 Name neatly printed in pretty type on 50 ENAMEL CHROMO cards, no. 2 all ink, 3x4 in., 10 cts. 20 GILT BEVELLED, and 40 turned corners and plain, 15c. 12 PEARL FLORALS, imp'd, new embossed hand designs, 20c. 12 SWISS FLORALS, name covered by hand and flowers, 25c. Send 25c. for new Album of Samples for Agents. Reduced Price Lists &c. 200 NEW DESIGNS added this season. Orders promptly filled. **BLANK CARDS** at wholesale. STEVENS BROS. & CO. Northford, Conn.

## THE MAMMOTH PROLIFIC SUGAR CORN.

### MAGNIFICENT FOR TABLE USE AND EXCELLENT FOR STOCK.

The proprietors of The Southern Kansas Seed House desire to announce to the farmers of Kansas that they have in stock 300 bushels of the MAMMOTH PROLIFIC SUGAR CORN, for seed. It is all selected—each ear being "nubbed" by hand before shelling. Read what the party raising this corn has to say about it:

LOGAN TOWNSHIP, BUTLER COUNTY, KANSAS.

This is the third season that I have grown Mammoth Prolific Sugar Corn on my farm. I have always believed that it gave greater yield than any other corn planted, and I find its feeding qualities for stock is so far ahead of the common field corn that I felt it my duty to recommend it to the public for general field planting. It matures three weeks sooner than the common field corn. It will average more bushels per acre on the upland the same season with equal cultivation than any field corn will yield on the bottom. This is not a mere statement of mine, but is proven by five disinterested men. Read their statement.

MINOS WEST.

September 5, 1882.

This is to certify that we, the undersigned, have this day husked and properly measured some of the Mammoth Prolific Sugar Corn grown on Minos West's farm on Hickory Creek, Logan township, Butler county, Kansas. The corn on bottom land measured 120 bushels per acre. The same corn grown on upland went 60 bushels per acre. We, the undersigned, give this as a correct statement as we measured both the corn and land correctly.

J. M. HAMPTON,  
 CHAS. SUTTER,  
 CHAS. PILCHER,  
 L. M. SUTTER,  
 CYRUS GRUNDEL.

There is a great demand for this corn, and parties desiring seed should order it at once, as the supply will be exhausted before planting time.

### We also have on hand a fine lot of Seed Corn, of the variety known as the "STOCKMEN'S PRIDE"

which is especially adapted for stock feeding. One grain of this corn makes a hill of from 3 to 5 stalks, and each stalk produces from 2 to 8 ears.

This Seed Corn was grown by John B. Holmes, Esq., of Rock, Cowley county, Kansas who is one of the most extensive and best known farmers in Kansas, and his experience is that it yields fifty per cent. more corn and fodder than the ordinary variety, and that it is less affected by drouth. We give his address that those having any doubts may write him and obtain his personal statement.

We also desire to call your attention to the

### "FLOUR CORN,"

a variety which produces a MEAL equal to much of the wheat flour manufactured in this State. It matures early, is fine for roasting ears, and for BREAD is without a rival. We carry a large line of Seed Corn of the ordinary varieties grown in this State, all of which has been carefully selected.

We can furnish any quantity of

## PURE, FRESH GRASS SEEDS GARDEN AND FIELD SEEDS

embracing White, Red and Alfalfa Clover; Orchard grass; Millet, etc., and every variety of

from the best and most reliable producers in the United States. We would ask you to give Alfalfa Clover a trial. We know, from actual experience, that it is one of the grasses best adapted to our climate and soil. Our seed is Kansas grown, and the producer—Mr. S. Worrel, of Garden City, Kansas, realized over \$100 per acre for hay and seed raised in 1882. Our prices for Mammoth Prolific Sugar Corn, Stockmen's Pride Corn and Flour Corn, are,

1 pound.....	10 cents.
3 pounds.....	25 cents.
10 pounds.....	75 cents.
1 peck.....	\$1.00
1 bushel.....	\$3.00

For pure Alfalfa Clover seed, per pound, 30 cents, per bushel \$15.

The above prices include packages and delivery to Express Office here.

Seeds sent by mail, if postage at one cent an ounce accompanies the price of the seed—packages not to exceed 4 pounds. Soliciting your patronage, we are

Very Respectfully Yours,

The Southern Kansas Seed House,  
 Augusta, Kansas

The **GRAPES** Prentiss.  
 Pocklington, Duchess, Lady Washington, Ver-  
 genes, Moore's Early, Brighton, Jefferson, etc.  
 Prices reduced. Also other Small Fruits and all kinds of  
 seeds. **LARGEST STOCK IN AMERICA.**  
 Extra quality. Warranted true. Cheap by mail. Low rates to dealers. Illustrated Catalogue free. T. S. HUNNARD, Fredonia, N.Y.

## TOPEKA SEED HOUSE SPECIALTIES:

### POTATOES.

Early Ohio, Beauty of Hebron, Early Rose, Late Rose, Belle, White Star, White Elephant, Dunmore, Burbank, Magnum Bonum, Mammoth Pearl, Brownell's Beauty, and other varieties.

Send in your orders early.

### SEED SWEET POTATOES.

Artichokes, Onion Sets, Wonder Peas, Egyptian Millet, Earliest of all Sweet Corn, Early Field Corn, Chester County Mammoth Corn, Amber Cane Seed, Broom Corn Seed, Fresh Mangel Bee and Carrot Seed for stock purposes.

Address,  
 S. H. DOWNS, Topeka, Kansas.

**SEEDS FOR THE GARDEN, FARM & FIELD**  
 ALL KINDS  
 January, contains full description and prices of Reliable Vegetable, Tree, Field and Flower Seed, Seed Grain, Seed Corn, Seed Potatoes, Onion Sets, etc; also Garden Drills, Cultivators, Fertilizers, etc., with full information for growing and how to get our Seeds.

ESTABLISHED 1845.

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Nos. 812 & 814 N. 4th St.,

ST. LOUIS, MO.



## Letter From Mr. Isely.

Editor Kansas Farmer:

With us winter means business; cold winds, snow and sleet are furiously rampant, with no prospect of abatement or cessation; it is fearful for cattle that have no protection. Little else can be done on the farm excepting to sit around the stove, replenish the fire with coals, wood or coal, and read the paper. Isn't it good, though, that we have the privilege of living in an age of convenient heating apparatus, and cheap, good, first-class literature? Americans have no need of being uncomfortable or ignorant in these days.

Mr. Editor, there is little that I can do out of doors, with a lame arm to begin with; hence will try to improve this opportunity to write you a letter which has been put off from week to week.

I admire our FARMER's neat new dress, with its suggestive and pleasing head; and I am glad to notice the modesty with which they are worn. And am truly glad and thankful that the old reliable farmer's standard is not swerving nor deviating from its former principles for the right, and for good government. It is a meritorious work to disseminate such useful knowledge, which will insure success and better remuneration to him who earns his living by honest industry; and yet simply material prosperity without moral advancement, without development of the better life, our earthly career would finally end in a stupendous failure, like a meteor to shine a moment athwart the sky, and then disappear in darkness. Hence to be in favor of passing such laws which suppresses and removes the evils that are a hindrance to the peace and good will of our race, is as much the duty and legitimate work of a wide-awake journal as to the man who builds a railroad, and who removes every obstacle and grades down every hill, to make an even foundation for a smooth track, that the cars of progress may ride over it safely. And any one who interferes with such achievements is an enemy to mankind and an opposer to God's plans. The time will come when it will be plainly seen by all right minded men that the suppression of the liquor traffic, as a beverage in our states will prove a greater blessing to our population, to the rising generation than even the capture of the James outlaws. What need is there to pity those who still continue to deal out snake poison in violation of our law? If the law interferes with their nefarious business then why not abandon it? There is yet plenty of unimproved land in Kansas; let them settle on a piece and make an honest living like the rest of us, and no longer destroy the peace of happy homes; and they will also be respected and protected as other good law-abiding citizens.

I would yet like to tell the many readers how well pleased I have been on a recent visit to the FARMER office while a delegate to the Topeka Temperance Convention, but space will not permit much more this time, and therefore will only add that if all could see the neat, clean, orderly kitchen in which the many weekly farm dishes are cooked up, and if they could see and get acquainted with the real gentlemen managing the same, and enjoy the warm welcome grip they give a fellow as he enters into their editorial and business sanctum all would feel a certain degree of pride knowing that they are connected with the establishment by being readers.

C. H. ISELY.

Brown Co., Feb. 3.

The Breeder's Gazette, after giving an experiment in hog feeding, says: This experiment shows two things: one is that under certain circumstances it will pay not only to grind, but to cook food; the other and important fact shown is that warmth is absolutely necessary in the successful fattening of swine. This latter consideration is essentially important in the feeding of all animals.

A correspondent of the American Field writes that German carp do not please them. He says: "From fifteen to twenty families around here have tried him at different times during the past year, and, except two persons who could eat them but didn't relish them, they unhesitatingly pronounced them unfit to eat. They have tried them boiled, baked and fried, and discarded them every way."

## DR. JOHN BULL'S

## Smith's Tonic Syrup

FOR THE CURE OF  
**FEVER and AGUE**  
Or CHILLS and FEVER.  
AND ALL MALARIAL DISEASES.

The proprietor of this celebrated medicine justly claims for it a superiority over all remedies ever offered to the public for the SAFE, CERTAIN, SPEEDY and PERMANENT cure of Ague and Fever, or Chills and Fever, whether of short or long standing. He refers to the entire Western and Southern country to bear him testimony to the truth of the assertion that in no case whatever will it fail to cure if the directions are strictly followed and carried out. In a great many cases a single dose has been sufficient for a cure, and whole families have been cured by a single bottle, with a perfect restoration of the general health. It is, however, prudent, and in every case more certain to cure, if its use is continued in smaller doses for a week or two after the disease has been checked, more especially in difficult and long-standing cases. Usually this medicine will not require any aid to keep the bowels in good order. Should the patient, however, require a cathartic medicine, after having taken three or four doses of the Tonic, a single dose of BULL'S VEGETABLE FAMILY PILLS will be sufficient.

The genuine SMITH'S TONIC SYRUP must have DR. JOHN BULL'S private stamp on each bottle. DR. JOHN BULL only has the right to manufacture and sell the original JOHN J. SMITH'S TONIC SYRUP, of Louisville, Ky. Examine well the label on each bottle. If my private stamp is not on each bottle do not purchase, or you will be deceived.

**DR. JOHN BULL,**  
Manufacturer and Vendor of  
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**BULL'S SARSAPARILLA,**  
**BULL'S WORM DESTROYER,**  
The Popular Remedies of the Day.  
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If you are sick Hop Bitters will surely aid Nature in making you well when all else fails.

If you are constipated or dyspeptic, or are suffering from any other of the numerous diseases of the stomach or bowels, it is your own fault if you remain ill, for Hop Bitters are a sovereign remedy in all such complaints.

If you are wasting away with any form of kidney disease, stop tempting Death this moment, and turn for a cure to Hop Bitters.

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If you have rough, pimply, or scaly skin, bad breath, pains and aches, and feel miserable generally, Hop Bitters will give you fair skin, rich blood, and sweetest breath, health and comfort.

In short they cure all Diseases of the Stomach, Bowels, Blood, Liver, Nerves, Kidneys, Brights Disease, \$500 will be paid for a case they will not cure or help.

That poor, bedridden, invalid wife, sister, mother or daughter, can be made the picture of health by a few bottles of Hop Bitters, costing but a trifle. Will you let them suffer?

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Our stock exhibited by Wm Davis at St. Jo. Bismark, Kansas City and the great State Fair at Topeka this fall (October, '82) won over 200 1st and special premiums.

Will issue fine catalogue and price-list in January, 1883.

P. S.—As we wish to retain as many hens and pullets as possible until March, we offer for sale at low prices for the quality of the stock, a large lot of cockerels of all the leading varieties, either for choice breeding or to grade up your common fowls. Price according to quality.

## ONION SEED.

I have a choice lot of the celebrated EL PASO ONION SEED of my own growing. Had Onions that weighed thirty-two ounces, this year. Warrent good and genuine; \$2.50 per lb. Also Yellow Danvers Seed at \$2 per lb., postpaid. Send orders early as supply is limited.

O. J. JONES, Garden City, Kas.

THE SOUTH AND SOUTHEAST.  
FLORIDA.

Should you contemplate a trip to Nashville, Chattanooga, Atlanta, Charleston, S. C.; Savannah, Ga.; Jacksonville, Florida, or in fact, any point in the South or Southeast, it will be to your interest to examine the advantages over all other lines offered by the St. Louis, Iron Mountain & Southern R'y—"Iron Mountain Route" in the way of Fast Time, Elegant Equipments, etc.

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to attach to any kind of Wind Mill. Guaranteed to be the most successful wind mill Grinder in the market. Large reduction in price to the purchaser of first Grinder in new localities where I have no agents. Every Grinder fully warranted. Liberal discount to agents. Write for circular and prices. Manufactured by L. M. DEVORE, FREEPORT, ILL.

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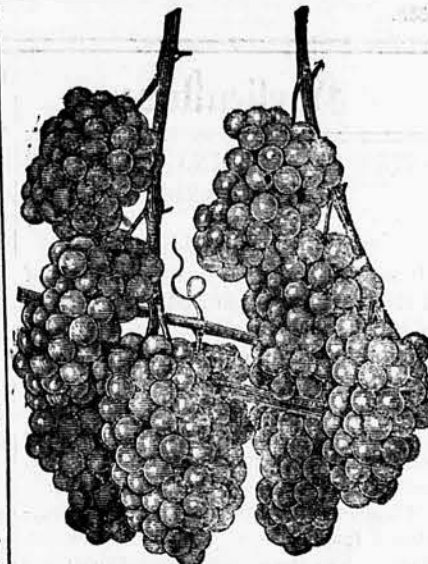
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Vastly Superior to Tobacco, Sulphur, etc.

This Dip prevents scratching and greatly improves the quality of the wool. From one to two gallons of the Dip properly diluted with water will be sufficient to dip one hundred sheep, so that the cost of dipping is a mere trifle, and sheep owners will find that they are amply repaid by the improved health of their flocks.

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Over 9,000 in actual use. It is a section wheel. In 13 years not one has blown down without tower breaking—a record that no other mill can show. Mills sent on 30 days' trial. Best Feed Mills, Corn Shellers, Brush & Cider Pumps, Cattle-winders, CHALLENGE WIND MILLS AND PUMP CO., Batavia, Ill.

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For Home Gardens. Our ILLUSTRATED GARDEN MANUAL is a beautiful book covering 1000 pages. Send for it and examine our prices and premium list. MARKET GARDENERS write at once for our wholesale price-list. Sent FREE. J. E. ROBT & CO., ROCKFORD, ILL.

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## Ladies' Department.

### Danger.

Write it on the liquor store,  
Write it on the prison door,  
Write it on the gin-shop fine,  
Write, aye, write this truthful line—  
"Where there's drink there's danger."  
Write it on the work-house gate,  
Write it on the school-boy's slate,  
Write it in the copy book,  
That the young may at it look—  
"Where there's drink there's danger."  
Write it on the churchyard mound,  
Where the drink-slain dead are found,  
Write it on the gallows high,  
Write it for all passers by—  
"Where there's drink there's danger."  
Write it underneath your feet,  
Up and down the busy street;  
Write it for the great and small,  
In the mansion, cot and hall—  
"Where there's drink there's danger."  
Write it on the ships which sail  
Borne along by storm and gale;  
Write it in large letters plain,  
O'er our land and past the main—  
"Where there's drink there's danger."  
Write it in the Christian's home;  
Sixty thousand drunkard's roam,  
Year by year from God and right,  
Proving, with resistless might,  
"Where there's drink there's danger."  
Write it in the nation's laws,  
Trampling out the license clause  
Write it on each ballot, white,  
Politicians, read it right;  
"Where there's drink there's danger."

### Forbearance And Duty.

Dear friends: There are so many, many things I wish to talk with you about, I hardly know where to begin.

First of all, I desire to say that wherever a diversity of opinions occur among us that we endeavor to treat the subject and avoid personalities as much as possible, or anything that will wound or tend to weaken the bonds that unite us. Mutual benefit should be the object of our intercourse. It was to that end that this avenue for communication was proffered by our esteemed friend, the Editor. There is no one capable of sympathizing with women, as women, and every suggestion or thought that can contribute to lighten the burdens of daily life, are needed and no doubt appreciated by some one.

Then let forbearance and love characterize our intercourse with each other, that as time passes and one by one our places in this invisible circle become vacant (as one now is) there will be no regrets, no heart aches.

I would like to hear more on this woman suffrage question. It is not enough that we give our opinions, we should give a reason. Privileges invoke responsibilities. Is it wise in mothers to disregard the privilege of a voice in the affairs of the public school? It is there where our children are to be qualified, if at all, for future usefulness. Is it not her absolute duty to know and select for her children the class of books and the teachers, who are to mould their mental and moral faculties?

Every winter our school in the town is crowded with children from the country. The cause is evident; that is the inefficiency of the district school. An advanced grade of studies is needed, and in many cases an advanced grade of teachers also. Can any mother justify herself in disregarding a privilege which extends to her the power to promote the well-being of her children? Leave off the vain effort to strengthen the crooked tree, and keep the scion straight. The intellectual as well as the moral must be developed, if we would in future have a community able to compete with organic immorality, monopolies, and everything that tends to degrade or enslave the farming community.

This is a subject which demands your consideration. It is for the benefit of education that hundreds of people are leaving the country and settling in the towns. Thus is the farming community being drained of much of its best material. Our boys raised in town seek trades or professions, and in time will lend their influence, in many instances against the interest they were destined to preserve. These are every day facts. Has woman any interest or duty in connection with these things? Let us hear what you think about it. M. J. HUNTER.

### Training Children.

I thought this afternoon that I would like to help some one as the good ladies of your paper have helped me, if I could. I am glad that you have opened a children's department to encourage them. Hope that Mother has not given up writing about the boys. If we would remember that the boy is father to the man and that men are but boys of a larger growth, we would have something to guide us in their training. If a boy has been brought up in idleness it is a hard matter to make him an industrious man. I hope the ladies will keep both tongue and pen busy these times and help hasten that good time when Governor St. John is to be in the White House and we are to have national prohibition. Those who think that prohibition is on the wane must shut their eyes very tight; but there are none so blind as those who will not see. We like the FARMER very much; we are not afraid of slang even in these western towns. Editors should not stoop to the slang of the common herd; they are educators of the people and should be gentlemen. Now that the holidays are over, I have thought as perhaps others have how much time and money is wasted on toys and things that perish so soon. Could not the mothers of Kansas who are wise enough to cast off the yoke of our bondage to pie and cake and form more simple and healthful tastes in their children, find some mode of teaching them to be generous? The average farm boy and girl know very little of the world outside. Could we not teach them that in all towns and cities there are those who, to say nothing of toys, cannot have proper clothing, it would make them happier to think that they had made some one less fortunate than themselves happy perhaps for life. A pair of shoes, or some garment given when needed, may save a great deal of sickness or even life. If such a thing were practicable for each one to devote a part of the year's profits, fruit or something, it would interest the children. I am sure giving does not diminish our fortune; rather adds to it. Read that short prophecy of Haggai in the Bible, and you will see that it does not. Not more than a century since people gave a tenth of what they raised in a part of Great Britain. MARION.

Parsons, Labette Co., Kas.

### "Lead Us Not Into Temptation."

Dear sisters: I bear you all in mind and crave your indulgence while addressing my conversation principally to Practical and Wybel. There is a cord of sympathy existing between us that was pleasingly brought to my recognition by their letters of Jan. 24. Practical, what Nemesis presented to you the cognomen over which you write? It is very apt. Though I am a reader of fiction, and an admiring reader of certain styles, I can not help but recognize the ring of a healthy practical mind in your remarks upon the subject. Your criticism and comments upon the character of GERALDINE are pertinent and suggestive. I liked the story, and thought that aside from its merits, *per se*, it was a very good campaign story; and as I have an almost disgusting political bias of mind I believe it was written for that purpose; a child of the times, brought forth by the throes of political exigency. Have you read O. B. Frothingham's "Morally objectionable in Literature?" Among other logical things he says, "The laws of literature are the laws of art. Literature is a form of art. The best literature studies artistic expression, and though it may bear traces of the earth in which it grew, as is the case with Shakespeare, Goethe, Dante, the art effectually triumphs, making of the earthiness a casual spot not worth considering; to take the blots alone into account would be gross injustice. Such a process would put Shakespeare on the shelf, and remand the Bible to the list of books prohibited!" That last clause recalls an article written by Elizabeth Stuart Phelps. "What does Revelation reveal?" It is a manly plea for the religion of Christ against the religion of creeds. I would like to hear you discourse upon this subject if it is not like to prove an apple of discord.

Wybel, I had never thought of the right of suffrage as becoming in the hands of women a possible means of reforming men. "Physician heal thyself." You have struck the key-note of the sanitary process. When women shall have learned self-respect enough

to treat men according to their moral character, there will dawn for both a new and better era. And when we are telling of our rosary, we might, with good reason, add an extra *Pater Noster* for the unjust way in which we treat our more unfortunate sisters who are forced by necessity to do menial service for their support. Instead of honoring them as working, self-supporting women, we have attached a stigma to their position which socially ostracizes them as completely as if the grass had closed over them. Of those ladies who have said that our homes and families should be sufficient for our time and thought, and that we should rely upon our influence to save our sons and daughters from falling into temptation, I would like to ask, have you ever heard of the one hundred and fifty million unmarried women in the world? Have you ever thought of the sixty thousand women who earn their own living in New York City alone, whose average earnings are not over four dollars to four and a half per week? I have read that in many mercantile establishments in that city, when, as often happens, an underpaid saleswoman complains to her employer that her wages are not sufficient to supply the necessities of life, he suggestively replies—"Have you no gentleman friend who would contribute towards your support?" Far be it from me to undervalue the power of woman's influence; but that prayer, first breathed by the unsullied lips of Him who died on Calvary, still vibrates in the air—"Lead us not into temptation,"—and if there is a means by which we may be able to remove temptation from the pathway of others; let us be seeking earnestly for it.

I am not Calvinistic enough to accept the atonement; therefore I assume the responsibility of what I have said, and may still say, and let our kind editor go free. A. B.

### Suffrage, Mush and Carpets.

I have just received the last number of the FARMER and think it good. I think it has greatly improved lately.

Mrs. K.'s letter is very good. I can say with her that I do not want the right to vote. I think if we improve the privileges we now enjoy and do this well we have enough to do. It is the privilege of every mother to instill right principles in the minds of her sons and daughters and thereby fit them to fill their different positions in after life; and not only is this a privilege but a duty.

I think Nixie's letter very interesting. I will say to her that it is not necessary to put salt in lard. I have always kept lard over summer, and if properly cooked and not scorched, it will keep nice and sweet without salt.

A mush made of graham flour and eaten with sugar and butter is a good and healthy diet for supper. Will some one tell me how to make mush to fry so it will not crumble? I have tried it several times, but never can turn it without its breaking all in pieces. I will just ask Mrs. M. E. H., or some one else to give me some information about making rag carpets; how wide to tear the rags, how many pounds to the yard of both warp and rags. RACHEL.

### Climate, Suffrage, etc.

To the lady of Wild Rose, Penn: I do not think you will find the eastern part of Kansas as healthy as the western or south-western part, but there are many advantages that we do not have. There is plenty of fruit of most all kinds: there is plenty of coal mines, and along the streams is timber. The water in many places is not fit to use; they are obliged to have cisterns or get water from wells and springs that are good. You will find it very stormy here, both wind and hail. We had our crops all destroyed with hail here last August.

A. B. gave us a grand essay on Woman Suffrage. I never thought that I should care about voting; but she carried out her ideas so well, I thought it worthy of attention.

Practical, you have one friend. Now if Uncle Joe will look at Mollie B.'s poetry, headed "A Life Lesson," he can hardly say that it is fiction.

In cases of cramp a vomit must be given; tobacco tea will do if there is nothing else. ADA MC.

It is something to know that the lines you are reading will also be read by at least 500,000 persons—and these persons the salt of the nation. It is a fact.

### Lard—Colds—Games.

I wish to say to Nixie that there is no need of salt in lard if the lard is properly cooked; and if it is not properly cooked salt will not save it. It is hard for an inexperienced person to cook lard enough without over cooking. But there are some rules that will be of great use. It is always best to finish off on a slow fire. When the scrape are of a light brown (they should never become dark) press some of the largest pieces against the side of the pot with your stirring paddle. If the raw lard bursts from it, cook a while longer. When nothing but clear lard presses out, it is done enough. I have tried hundreds of pounds by the above test and have never lost an ounce by improper cooking.

Some one asks about a cover for piano stools. A very nice and serviceable one can be made of knitting cotton, either knit or crochet stitch. They are cheap, easy cleaned when soiled, and always look well.

Colds.—I wish to add to Nixie's recipe for curing colds one more, which I have found very beneficial in all cases where it has been tried. Also good to break up fevers if applied in the first stages. In addition to the foot bath, a thorough sponge bath of the whole body, followed by brisk rubbing, just before retiring for the night. If the above is not convenient, the next best is, on retiring for the night, add a blanket or two to the bedding, and drink copiously of cold water. I once knew a physician who did nothing else in his own family for a cold than to fast, drink cold water and produce a perspiration.

Games.—Some one asks for games. The following has amused children for hours at a time: Take an apple, a ball, or any small thing; let the children all retire but one; let that one place the article that is to be hunted for in some out of the way place, but where it can be seen on entering the door; let the children return and commence a search (with their eyes) for the prize. The one seeing it first to have the privilege of placing it next time. If no one finds it, the first one shall place it a second time. I can't say hide for it has to be visible on entering the door. It is really amusing to see a company of children eagerly enter a room and begin a silent search for something that has not been hidden. It amuses children; furnishes them employment, and also quickens the perceptive faculties. AUNT POLLY.

### Doughnuts—Cookies.

MR. EDITOR:—I have lived in Kansas but one year; have taken your paper but a short time; have become much interested in the Ladies' Department, and, like the rest, want to say "my say." I felt as indignant as Aunt Polly at Mrs. Hoisington's slaughter of doughnuts and pies. I scarcely know of anything more palatable than a fine doughnut with a cup of fragrant coffee, or a fine apple, berry, or custard pie, with crust made of sweet or sour cream. Ladies, just try these receipts and see if they are not good; nothing elaborate, but plain and wholesome.

Doughnuts: 1 cup white sugar, 2 eggs, 1 cup sweet milk, 2 large spoonfuls melted butter, and 2 teaspoonfuls baking powder; knead just as little as will enable you to get them to the kettle. By the way, make your own baking powder, then you will be sure it is pure.

Cookies: 1½ cups sugar, 2 eggs, ½ cup butter, ½ cup sour cream with ½ teaspoonful soda dissolved in it; stir these together, not beating the eggs, and roll out as soft as can be cut; bake quick. I. T.

Sterling, Kas.

Would like to ask Bramblebush what is meant by "pearling stitches," or, if she can't explain it so as she thinks I will understand it, will she please send a sample, as I am desirous of learning how to make it. As to women voting, my sentiments are with Homespun, and I think all women who give it a moment's thought will universally allow her argument to predominate.

Pleasanton, Kas.

ALICE BRADEN.

Other letters from ladies will be found on page 11.

### Strange that People will Suffer

with dull feelings and the blues when they can be so surely cured by simply taking a few doses of Simmons Liver Regulator. Genuine prepared only by J. H. Zallin & Co.



## The Young Folks.

### Babies Everywhere.

Here and there, here and there,  
Babies, babies everywhere—  
Copper-colored, white and brown,  
In the woods and in the town.

Far towards the Northern pole  
Little babies romp and roll—  
Little baby Esquimaux,  
In a world of ice and snow.

Little Chinese babies too,  
Wang Che Chang and Chi Chung Loo,  
Look in babyish surprise  
From their narrow almond-eyes;

Learn as little babies can  
To hold their chop-sticks, wave their fan,  
To eat their plate of snowy rice,  
And now and then a roast of mice.

In a sunny island home,  
Where the great ships go and come,  
Babies frolic in the breeze,  
Underneath the orange trees.

Where the starry heavens span  
Waving palms of Hindostan—  
In the land of gems and silk,  
Babies sip the cocoa-milk;

Play with Ivory rings and balls  
By the fearful mountain walls;  
Ride with baby merriment  
On a tall, tame elephant.

English babies sweet and fair;  
Germans with soft, flaxen hair;  
Dark Italians with mamma  
Floating in a gondola.

Babies—diamond, pearl and opal,  
From Norway to Constantinople;  
Precious jewels every one,  
The dearest things beneath the sun.

But which of all that I have told  
Is sweetest, dearest, just pure gold—  
Made of many mingled charms?  
Why, of course the baby in my arms.

—Mrs. M. F. Butts.

Beautiful eyes are those that show  
Beautiful thoughts that burn below;  
Beautiful lips are those whose words  
Leap from the heart like song of birds;  
Beautiful hands are those that do  
Work that is earnest and brave and true,  
Moment by moment, the whole day through;

### Relative Ages of Animals.

The average age of cats is 15 years; of squirrels and hares, 7 or 8 years; a bear rarely exceeds 20 years; a dog lives 20 years; a wolf 20; a fox 14 or 15; lions are long-lived, the one known by the name of Pompey living to the age of 70. Elephants have been known to live to the age of 400 years. When Alexander the Great had conquered Porus, King of India, he took a great elephant which had fought valiantly for the king, and named him Ajax, dedicated him to the sun, and let him go with this inscription: "Alexander, the son of Jupiter, dedicated Ajax to the sun." The elephant was found with this inscription 350 years after. Pigs have been known to live to the age of 20, and the rhinoceros to 20; a horse has been known to live to the age of 62, but the average age is 25 or 30; camels sometimes live to the age of 100; stags are very long-lived; sheep seldom exceed the age of 10; cows live about 15 years. Cuvier considers it probable that whales sometimes live 1,000 years. The dolphin and porpoise attain the age of 30; an eagle died at Vienna at the age of 104; ravens have frequently reached the age of 100; swans have been known to live to the age of 300. Mr. Malerton has the skeleton of a swan that attained the age of 200 years. Pelicans are long-lived. A tortoise has been known to live to the age of 107 years.

### Woods for Fuel.

Taking shellbark hickory as the highest standard, and calling that 100, other trees will compare with it for burning purposes, as follows: Shellbark hickory, 100; pignut hickory, 95; white oak, 84; white ash, 77; dogwood, 75; scrub oak, 73; white hazel, 72; apple tree, 70; white beech, 69; black birch, 65; hard maple, 75; black walnut, 62; yellow oak, 60; white elm, 58; red oak, 56; red cedar, 56; wild cherry, 55; yellow pine, 54; chestnut, 52; yellow poplar, 51; butternut, 48; white birch, 48; white pine, 30.

### About Clothes Pins.

The most complete clothes-pin factory in the country is at Vanceboro, Me. The wood used is mainly white birch and beech. The logs are cut and hauled to the shores of the lake or the streams emptying into it, whence they are floated down to the mill. As fast as required they are hauled into the mill by a windlass and chain worked by steam power, and sawed into lengths of 16 or 22 inches—the former to be made into pins, and the latter into boards for the boxes required in packing. The 16-inch lengths are next sawed into boards of the requisite thickness by a shingle machine, then into strips of the proper size by a gang of 12 circular saws, and finally into 5-inch lengths by a gang of 3 saws.

The logs have now been cut up into blocks about five inches long and three-fourths of an inch square. Falling as they leave the saws, on an elevator belt, they are carried into an upper story, and returning to the first floor are deposited in troughs, whence they are fed to the turning lathes, of which there are several—each being capable of turning 80 pins per minute. They are then passed to the slotting machines, in which a peculiar arrangement of knives inserted in a circular saw gives the slot the proper flange, after which they are automatically carried by elevator belts to the drying bins on the second floor, where they are subjected to a high temperature, generally by steam pipes, until thoroughly seasoned. There are several of these bins, the largest of which has a capacity of 100 boxes, 72,000 pins, and the smaller ones 50.

The pins are now ready for polishing and packing. The polishing is accomplished by means of perforated cylinders or drums, each capable of holding forty bushels, in which the pins are placed and kept constantly revolving until they become as smooth as if polished by hand with the finest sand paper. A few minutes before this process is completed, a small amount of tallow is thrown in the drums with the pins, after which a few more revolutions gives them a beautiful glossy appearance. These polishing drums are suspended directly over the packing counter on the first floor of the mill, and being thus immediately beneath the ceiling of the floor above, are readily filled through scuttles from the drying bins on the second floor, and as easily emptied upon the counter below, where they are sorted into first and second grades, and packed in boxes of five gross each. The sorting and packing are done by girls. Two hundred and fifty boxes are packed per day.

### Letters From Little People.

MR. EDITOR:—I am a farmer's daughter, and I like to live on a farm. We live in about three miles of the county seat. My school teacher offered a premium to the scholar that got the most important sketches out of the newspapers. I got the premium—Pilgrim's Progress.

ELLA W. WOOLWINE.

Marion, Kas., Feb. 3.

MR. EDITOR:—My papa takes the KANSAS FARMER and we like it very much. I like to read the children's letters. I go to school, and I study reading, spelling, arithmetic and geography. We have a good teacher. I have no one to play with at home, but I have the best dog ever was; his name is Carlo. I am learning to work. I feed five horses and two pigs every morning before I go to school. I am eight years old.

CLIFTON M. DAVIS.

Burlingame, Kas., Feb. 6.

DEAR EDITOR:—My papa is selling coal; he has been very busy all winter. Papa has a good wagon, and two nice little white fat ponies that he delivers coal with. I have not learned to ride them yet, but think I will next summer. Mamma is milking one cow, and she is a nice cow, too. We have no cats nor dogs, but I have a nice pig that an old colored lady gave me. I go to school all the time and I like my teacher very much; her name is Mrs. Whitelaw. I am ten years old.

MARY LANGLEY.

Dodge City, Kas., Feb. 5, 1883.

EDITOR KANSAS FARMER:—I am a little girl twelve years of age. I live in the western part of Kansas. My father is a wool-grower. I am a wool-grower myself upon a small scale as I own nine sheep. I am going to apply for admittance to the Wool Grow

ers' Association pretty soon. I read the Ladies' Department and am much interested in woman suffrage. I was so much so in what Sequa said that I went to the town election with our old cook to see how the men vote. I will be glad if the time ever comes that women can vote. I have never been to school a whole year in my life at one time. Last winter I went to school on horseback five miles, which made ten miles ride a day and fifty a week. I may never write you another letter, so please don't put this in the waste basket. Yours truly,  
G. C. E.  
Russell, Kas., Feb. 9.

### Origin of the Name Arkansas.

Arkansas is named after its principal river, on which dwelt the tribe of Indians known as Kaws or Kansas. The word Arkansas is of Indian origin, in part. The Kansas Indians had an offshoot of their tribe on the Arkansas river known as the Bow or Ark Indians, from their splendid buffalo bows, which were used by them with foot and hand. The conjunction of Arc and Kansas was finally accepted by them as a distinguishing name of their tribe, and was adopted by the early settlers on the river of that name as the name of the territory as well as the river and the natives. However often writers have pronounced Kansas as it is spelt, none of the tribe have ever recognized their name as such. Kaw does now fully pronounce the name as they pronounce it. Arkansas is very properly the primitive and historical pronunciation of the name of our State.—Arkansas City Journal.

### A Little Girl's Thoughts.

[The first effort of Henry W. Longfellow was not as good as the following by a 13-year old poet.—Editor FARMER.]

There is a newspaper,  
It comes once a week;  
If you want a good paper,  
For it you must seek.

It has a corner for old folks,  
And one for young ones too;  
And there are many stories  
To read, for me and you.

I often read these stories,  
Although I've much to do,  
To go to school, to obey the rules,  
And to get my lessons too.

My father is a farmer,  
And lives in the county of Brown;  
And we live about 5½ miles  
From the nearest town.

And on our farm we raise cows, pigs,  
Chickens, but not any turkeys,  
And to do the work on our farm  
A great deal of work is.

I am unknown to fame,  
But Lydia Isely is my name.

Spring Grove, Brown Co., Feb. 6, 1883.

### Answers to Questions.

Question No. 10—630½ vines.

Question No. 11—Answered correctly by E. M. P.—83½ cents.

The reply of J. N. Adams does not apply. Paper money is valued according to something else, and the gold standard was given in the question.

E. N. P.'s answer about mercury congealing at 39 deg. below zero was understood. Standard authority puts it at 40 deg.

C. B. McCrosky gives a good answer to No. 8. Dew is simply condensed moisture of the atmosphere, like the drops that gather on the outside of a pitcher of water in a warm day.

### ENIGMA, NO. 3.

From C. A. L.

I am composed of 18 letters.

My 9, 1, 8, 16, is not in the dictionary.

My 6, 11, 7, 2, is found on the seashore.

My 5, 6, 3, 9, 4, 3, 2, is delicious.

My 6, 10, 12, 16, 3, 4, is used in winter.

My 4, 5, 14, 3, 12, is made of iron.

My whole is spread all over the union.

### Questions to be Answered.

Question No. 14.—By what rule may we know what Sunday is Easter?

Question 15.—At \$3 apiece for sheep, \$7 for hogs, and \$20 for calves, how many sheep, hogs and calves may be purchased for \$1200, requiring an equal number of each class?

We do not intend to publish answers until the questions have been out two weeks, so as to afford fair opportunities to our distant readers.

Buy cheap meat and feed it to your hens, either raw or cooked. Break the bones so that the fowls can get at the marrow. There is much cheap refuse to be had from the butcher that can be very profitably disposed of in the poultry yard.

### Can Hardly Realize the Good It Has Done.

A lady whose general health had become seriously affected was induced to use Compound Oxygen. In writing of the result she says: "It has relieved me from a distressed feeling back of my eyes, from which I could get no relief nasal catarrh better. Improvement gradual; so much so can hardly realize the good it has done till I note my condition before taking it." Our Treatise on Compound Oxygen, its nature, action, and results, with reports of cases, and full information sent free. Drs. STARKER & PALEN, 1109 and 1111 Girard street, Philadelphia, Pa.

Wood ashes make a very excellent fertilizer for pear trees.

Are you troubled with such symptoms of dyspepsia as belching, tasting of the food, heart-burn, etc.? Brown's Iron Bitters will cure you.

The digestive organs weakened and worn out by using cathartic medicines, restored by using Brown's Iron Bitters.

There is little, if any, fertilizing value in coal ashes. Applied to a clay soil in large quantities they render it lighter and more porous, allowing air and sunshine to penetrate more freely. For this purpose they are much used by gardeners.

### Twenty Years a Sufferer.

R. V. Pierce, M. D., Buffalo, N. Y.: Dear Sir—Twenty years ago I was shipwrecked on the Atlantic Ocean, and the cold and exposure caused a large abscess to form on each leg, which kept continually discharging. After spending hundreds of dollars, with no benefit, I tried your "Golden Medical Discovery" and now, in less than three months after taking the first bottle I am thankful to say I am completely cured, and for the first time in ten years can put my left heel to the ground. I am yours,  
Wm. Ryder, 87 Jefferson St., Buffalo, N. Y.

Sheep are frequently troubled with sore lips caused by dry feed. One or two applications of sulphur and lard will effect a cure.

### Wrecks of Humanity,

who have wasted their manly vigor and powers by youthful follies and pernicious practices pursued in solitude, inducing Nervous Debility, Impaired Memory, Mental Anxiety, Despondency, Lack of Self-confidence and Will Power, Weak Back, Involuntary Vital Losses, and kindred weaknesses should address with three letter postage stamps for large illustrated treatise, giving unfailing means of cure, World's Dispensary Medical Association, Buffalo, N. Y.

It is a poor plan to throw hen manure with stable manure. Mixed with its own weight of gypsum the ammonia is all arrested. When ready to plant corn run this mixture through a coal sieve and add as much more plaster. The result will be a fertilizer worth \$20 a ton. Put a small handful to the hill, lightly stirring it with the soil.

Plant Lima beans with the eye downward or the young root and top will be hindered in their growth. Do not plant too deep. Half an inch is the proper depth.

Mej H. J. Hopkins and A. Campbell, the warden and the chaplain of the Kansas State Prison unite in a letter commending Lels' Dandelion Tonic as an excellent remedy for malarial troubles and the general unhealthy condition of the system brought on by dwelling in a malarial district.

Quinby, the well-known writer on bee culture, advises bee keepers to cultivate outlip, and says he finds nothing to surpass it for honey.

The man who knows nothing of Mrs. Lydia E. Pinkham and her sovereign remedy for women is wanted for a jurymen. The fact clearly proves that he does not read the papers.—N. H. Register.

The demand for oleomargarine is increasing. The wholesale price is about twenty cents, and retail twenty-five cents. The facilities for its manufacture are increasing annually.

### Bright's Disease, Diabetes, Kidney, Liver or Urinary Diseases.

Have no fear of any of these diseases if you use Hop Bitters, as they will prevent and cure the worst cases, even when you have been made worse by some great puffed up pretended cure.

## MAGIC LANTERNS

And stereopticons. All prices. Views illustrating every subject for public exhibition etc. Also a profitable business for a man with small capital. Also Lanterns for home amusement, 116 page illustrated catalogue free. McALLISTER, Mfg. Optician, 49 Nassau St., New York.



# THE KANSAS FARMER,

Published Every Wednesday, by the  
**KANSAS FARMER CO.**

H. C. DEMOTTE, President.  
R. E. BROWN, Treasurer and Business Manager.  
H. A. HEATH, General Business Agent.  
W. A. PEPPER, Editor.

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KANSAS FARMER COMPANY.

The price of Mr. Swann's book is to be one dollar.

Mr. A. Ellsworth advertises Russian Mulberry trees in the FARMER. It was he that sent us some fine samples last Fall.

We wish every one of our readers would read Mr. Heath's report of the Hiawatha Farmer's Institute. It is brim full of good meat.

It is a good time now to be getting work horses in good condition for spring work. There is no better feed for them than oats and rye.

Reports from eastern railroad travel show that substantial gains have followed considerable reductions in fare. So it has been and will be here.

We have given the ladies a good deal of room this week, and then have left over two letters. Their letters are interesting and well written. The room, we think, is well occupied.

## Inquiries Answered.

R. O. Southworth is referred to the York Nursery Company, Fort Scott, and to Trumbull, Reynolds & Allen, Seedmen, Kansas City, Mo. We know of no iron fence post that is economical for farm purposes.

The Swine Journal is published in Cincinnati, Ohio.

C. E. Reid has an answer in our cane article this week, and will have more of the same kind soon.

X. O. X. We have mislaid your name and P. O. Will you please furnish them to us, as we have a letter to be directed to you?

We incline to believe that hardy catalpa will yet prove to be the best timber tree for Western Kansas. Early spring planting is the best. Prepare the ground deep. We will prepare an article for next issue on western agriculture.

The American Herd Book, and American Short-horn Record may be had from Col. L. P. Muir, Secretary, 115 Monroe St. Chicago, Ills. The last volume of A. H. B. is 24, and it will be ready about the 1st of May. Last volume of A. S. H. R. is 10.

Rolling broadcast wheat in the Spring is good when the roots have been lifted much by freezing. The earlier it is done after hard freezing is past the better, provided the ground is dry enough not to stick much to the roller.

As to best breed of fowls on a farm, our preference is the large, laying varieties. Plymouth Rocks are good. For yard pets we like the independent Bantam. Our columns are open for a discussion of this question: What is the best breed of chickens for the farm, and why?

Geo. H. Hughes can answer the question of L. Harriman. His address is North Topeka, Kas.

G. E. Meeker will find matter to his taste in this issue of the FARMER.

## The Railroad Discussion.

At night sessions last Friday, both Houses of the Legislature, in committee of the whole, recommended the passage of their respective railroad bills. The Senate bill is known as the "Kelley Bill;" the House bill is known as the "Committee's Bill." The Kelley Bill provides for the appointment of three commissioners, and requires them to make suggestions to the railroad companies about repairs and improvements of bridges, rolling stock, station houses, &c., and to make annual reports to the legislature, showing the condition of the railroads in the state. The Committee bill fixes maximum passenger rates and freight rates by the ton in car load lots for thirty-eight articles specified, as mentioned in the FARMER last week.

The line on which the two houses divide is that of *fixing rates*. The Senate insists on letting the roads establish their own rates, while the House, though acting timidly, urges that the Legislature shall fix at least *some* rates. On this matter we believe there will be trouble. The Senate will not pass the House bill, and the House will not pass the Senate bill. Then there must be a committee of conference made up of members of both houses, and parliamentary usage requires that a majority of the members of that committee from either house shall represent the friends of the bill which passed their house. If the committee of conference fails to agree, then another like committee must be appointed, and so on. The prospect of such an agreement is not favorable; and should there be a failure to agree finally, two years more must pass without any relief on this important subject.

Appreciating the difficulties in the way of harmonizing conflicting opinions in any public body, and conceding that every individual member of the Legislature is honest and sincere in his convictions of duty in the premises, we still feel at liberty to respectfully repeat our suggestions concerning the people's demand for legislation. It appears to us that there need be no embarrassment in interpreting the meaning and scope of that demand. All of the political parties in their platforms, and in the public addresses of their candidates and speakers, last autumn, committed every member of the Legislature to *legislation* regulating railroad transportation. No party or candidate was committed to the policy of authorizing three men to effect that legislation; but all were committed to the policy of the Legislature doing it. The law fixes the rates of toll that millers may receive; and when a ferry is authorized, the law declares the maximum charges the ferryman may make. Now, that is what the people want done with the railroads. And it is not new in Kansas legislation. The law now prescribes maximum rates for both persons and property, and prescribes a great many other rules and regulations for the management and control of railroads. It requires that notice be given of the time of starting trains, that sufficient accommodation be furnished for passengers, baggage, express goods, freight, etc., requires trains to be stopped at certain places and times, requires the receiving of passengers and freight from other lines of road, and many other plain and specific obligations are placed on the railroad companies. They are not allowed to charge or receive more than six cents a mile for passengers. The law also requires classification of all kinds of freight, and it fixes maximum rates for the different classes—"which rate shall be per one hundred pounds. For distance less than fifty miles, twenty cents per ton per mile for first class, fifteen cents for second class, and ten cents for third class; for fifty up to one hundred miles, fifteen cents for second class and seven

cents for third class; for upwards of one hundred miles, ten cents, eight cents and five cents respectively for first, second and third classes. [See page 225, compiled laws 1879.] The classifications and rates are required to be posted in the depot offices of the various companies.

All this and much more is now the law of the state. There are only two objections urged by the people against the law as it is, namely: First—The maximum rates are too high; second—There are no provisions against discrimination. These objections, and these only, need attention by the Legislature. Let maximum rates be lowered to a reasonable standard, then enact plain, full and stringent provisions against discriminations, and the work is done. If it is thought better to have special machinery to enforce the law, let commissioners be appointed and paid to do that work.

Now, that is what the people want, and what every member of the Legislature promised them he would help to do; but the Senate proposes to ignore the obligations imposed by those promises and do no more than employ three gentlemen and a clerk to inspect bridges, cars and depots and make suggestions and reports. The House is ready to make good the promises of its members so far as certain articles are concerned provided that one shipper has enough of any one article to load a car with 20,000 pounds. But for other kinds of property in any quantity and for a quantity less than a car load of 20,000 pounds of even the thirty-eight articles specified, the rates are left for the commissioners to determine. If a man has 334 bushels of wheat or 358 bushels of corn to ship at one time and in one car, he knows what he may pay under this law; but if his shipment is less than that, he pays what the company may see fit to charge until the commissioners decide what small quantities must pay; and even then, the company may deny that the rate so fixed is reasonable and go into court to settle that question there. And if a farmer wishes to slaughter his hogs at home and ship them dressed; or, if he cures his meat and ships that; or, if he wants to ship fruit or any other product of his farm or dairy in less quantities than 20,000 pounds in one car, he is subject to the same uncertainties.

We again submit that this is not what is expected by the people, and it is strange that the members do not see it. Some of them are fighting bravely for a good law, and we do not blame them for yielding in minor points so long as they remain steadfast in matters essential. What we desire particularly to express is, that the people demand a schedule of maximum rates for all persons and all property, and stringent measures against discrimination. The people have no desire to interfere with the management of the railroads. They want the railroad men themselves to attend to that. The people are parties to contracts for transportation, and they want the rates made reasonable and uniform. They don't wish to interfere with railroad building; they have helped by millions to build new roads, and have millions more to invest in the same way when it becomes necessary or proper. The people are friends of railroads. They are liberal and just. All they want is fairness and equality. Let things be evened up; and let this be done in the law.

We wish, while we dare not hope, that the members of both houses would take counsel of the times and frame and pass a bill that, while it would be liberal in all margins to the railways, would, at the same time give justice to every patron of these great thoroughfares. This work must be done some time. The people will rule in the end. If the work is neglected now, new men will be called to duty. The faithful and the unfaithful representative will have their reward. The KANSAS FARMER will preserve the names of all who vote or fail to vote on these bills, so that the people may know who has served them faithfully.

## Sirup and Sugar Making in Kansas.

So many inquiries and requests are coming in concerning this subject, that, in response, we wrote a three column article, giving general and detailed information; but the railroad question needs more attention than anything else this week; hence we condense the sirup and sugar article, and will take it up at other times.

Kansas, and especially, the southern half of the state, is well adapted to the raising of sorgho. Experiments and scientific investigations have proved that pure sorghum cane, when ripe, if cut before frost has injured it, and worked up soon afterwards, will, with proper care in defecation, produce sirup and sugar of good quality.

Early Amberstands at the head. Any good corn or wheat land will produce sorgho, but sandy upland is best. Good authority says: "The soil, unless rich, should be well manured in the fall with vegetable or rotten stable manure. Plow deep and pulverize thoroughly. In general, prepare the ground as for corn." Plant when the weather and soil are in good condition. Seed may be tested or started same as corn. Plant in check rows, and put in plenty of seed. When well started, thin out to about five stalks in a hill. If planted early cover lightly, and if late, the covering ought to be about an inch. It grows slowly at first and, when young, resembles grass. It needs the most care in its first stages. Keep weeds and grass down, for they will soon choke it. Cultivate the same as corn, and when it is about thirty inches high it will take care of itself. Don't work it deep, because the roots are numerous and strong. Of the cutting and crushing the cane, and boiling the juice, we will write at another time.

In the report of the Champaign (Ills.) Company we find that for one field the average yield per acre was, of cane stripped and topped 12½ tons; yield of molasses per acre, 116½ gallons; pounds of sugar per acre, 790. Out of the season's work there, we see it stated that the company made 22,500 pounds of sugar, and 125,000 gallons of molasses. The estimated return is \$75 per acre. The sugar graded as extra yellow C and sold readily at the factory for eight cents a pound in lots of five barrels.

The Rio Grande Company in New Jersey, last year, of the first sugar made, had 63 pounds to the ton of cane crushed. In one week they crushed 656 tons of cane and made out of it 115 barrels of sugar and 89 barrels of molasses. This sugar ranked in Philadelphia as C. sugar.

Machinery, including mill, pans, skimmers, etc., sufficient to work four to six acres of cane in season may be had for about \$100. A one-horse mill costs about \$50. An acre of good land, if the cane is well attended, will produce 200 to 300 gallons of good sirup. The proportion of sugar to the sirup varies according to the quality and condition of the cane.

Kansas climate and soil are better for sorgho than those of Illinois and New Jersey, and we hope our farmers will test the matter.

S. H. Downs, of the Topeka Seed House, is pushing his business to the front. He has a large supply of fresh garden and field seeds now on hand and is prepared to fill orders promptly. We regard Mr. Downs as reliable and responsible.

Trumbull, Reynolds & Allen, Kansas City, Mo., have prepared an Annual, a neat little advertising book, for 1883, which contains a great deal of useful and interesting matter for farmers and gardeners. It is sent free on application.

The semi-annual meeting of the Republic County Horticultural Society will be held at Belleville, February 28.



## Brown County Farmer's Institute.

(From Our Special Correspondent.)

This Institute held at Hiawatha February 8th and 9th was one of the most successful and interesting of the kind ever held in the State. It had been well worked up by the Fair Association, and there was a large attendance of the representative farmers of the county. The sessions were well employed with able and practical addresses, essays and discussions.

The tact and skill of the presiding officer, J. M. Boomer, did much towards achieving the great success attained. President Fairchild and Professors Shelton and Failyer, of the State Agricultural College, lent their characteristic able assistance to the Institute. The earnest work of the professors and the farmers at this Institute will give a fresh impetus to the demand for more and practical knowledge needed, for the general or special farmer. Too much emphasis cannot be placed upon the value of such associations, where farmers meet and interchange ideas and experiences, learning how successes and failures have been made; learn new methods, new ideas, in short are waked up to a renewed interest in their own business and in fact are made better and more intelligent farmers by having participated in such meetings.

The Institute opened promptly upon a discussion of small grains. Brown county is a corn county and the raising of small grain as a business is hazardous. Fall wheat is likely to be winter-killed, while the chinch bug is a drawback to raising spring wheat. Rye, in the opinion of Mr. Carothers, is the best of small grains, because it can be utilized for pasture. Oats is affected with rust, and it does not pay to raise it for shipping—only for feed. The speaker further urged discouraging the raising of flax and barley. Others agreed that next to corn wheat growing was profitable. It was generally recommended that the plowing should be done early, and the largest grain and purest seed selected. Various opinions were given for and against leaving the ground rough. The press drill was discussed and the experience with it had been quite satisfactory.

The discussion on rotation of crops was opened by Samuel Detwiler. This country is especially adapted to rotation of crops, but the want of fences was against it. It also prevents the land from washing and strengthens and rests the land. A systematic rotation of crops had never been practiced yet. Stock raising is not to be ignored; but, taken in connection with this, gives the best success. Mr. Boomer explained the plan in Illinois of raising corn, then small grain, and finally, pasture or meadow, and thus retain the fertility of the soil. Prof. Shelton stated that his lecture on this subject, "fell flat" on the Institute in Riley county. The soil there had not felt the need of it; however, he considered rotation a fundamental principle of agriculture because it had to do not only with present, but deeply concerned future crops. He strongly urged that it be done systematically. It is a simple thing to do. On the college farm, the plan is, first corn, then oats or millet, followed by seeding to tame grasses.

Draft horses was the subject of an essay by Mr. Holt. While Brown county can boast of many very good horses, the average horse is not heavy enough for the work, and usually is reduced to a skeleton. This breed was not only able for our work, but he could always be sold at a good figure. A horse weighing from 1,200 to 1,400 lbs was recommended. He thought our importers of heavy horses charged an exorbitant price. Mr. Davis advocated the raising of heavy horses as a profitable industry, on account of the ready market for them.

Prof. Failyer gave a valuable paper on the "Chemistry of Feeding." He reviewed at length the various food elements and gave the proper proportions to be fed to different live stock. In closing he touched upon ensilage, giving the points of advocates and opposers, and the points are about even pro and con, and must finally be settled as to its utility by the cost in dollars and cents.

The discussion of cattle and hog feeding was led by J. P. Davis. This branch of agricultural industry is a source of great revenue. The marketing of grain should be discouraged, so much better results can be obtained by feeding to live stock. Stock should be well sheltered, have plenty of water, salted at least once a week, and a wine should have plenty of bedding, which should be changed frequently. Cattle feeding was recommended in the most glowing terms, but as a profitable business, compared to raising grain for market. Several cautions were suggested, such as losses by death fluctuating prices, bad seasons, &c.; but it was generally agreed that feeding was preferable to marketing. W. S. White suggested that while feeding cattle they should be followed with hogs and the cattle should be on the market before the range cattle began to be shipped. Several present advocated feeding corn alone and not any "roughness," not more than was necessary to keep stock well regulated. The Institute was about equally divided on this question. It was generally advised to raise your own feed and stock, and full feed the calf or pig until you are ready to market them. Steers at the age of 3 years should be bought for feeding, instead of getting them younger.

General Farming was the first topic of the second day, led by A. Carothers. He spoke of the natural adaptations of mixed husbandry to this State and advocated it as the only profitable way in which to farm. The objections urged against mixed husbandry was that it meant too much expensive machinery and the transportation of part of the grain. The raising of corn, hogs, grass and cattle was the plan suggested.

An address on Cattle Raising was given by W. S. White, a noted Shorthorn breeder, of Sabetha, Kas. Fifty cents for corn can be realized by the raising of cattle. He had no faith in all purpose stock. One breed was sufficient. For dairy purposes he mentioned the Jerseys, Alderneys and Holsteins; for beef, Shorthorns, Herefords, and Polled cattle. The Shorthorns date back hundreds of years as a distinct breed. One hundred years ago they were considered the best milkers, but now they rank as the best beef breed. On the Isle of Jersey, 7 miles square, are 12,000 cattle the original home of the Jerseys, the best butter breed. He advised raising the best beef cattle. While others were putting 1,400 pounds of beef on a native, he could more easily put 1,800 on a Shorthorn with the same amount of feed and realize two cents per pound more. In selecting a cow or bull for breeding, observe that they have all the good beef points as well as constitution. The top and lower lines should be parallel. He did not favor a flabby brisket. The cattle peddlers received a deserved rebuke; they had done more to injure the thoroughbred business than any other one thing. Nine out of every ten so-called thoroughbreds are grades or very plain bred animals. He advised the buying of purebreds direct from the breeder, whose business will not permit him to make any misrepresentations.

Prof. Shelton gave an address on Improvement of Stock. Speaking of the special adaptation of stock raising, he regarded this improvement of paramount importance. Live stock are said to be so many machines for converting farm products into money. Experiments, made at Eastern agricultural colleges, found that it took one half more feed to make a pound of flesh with scrub stock than it did with improved stock. He discouraged the idea of every farmer trying the art of raising all thoroughbreds; this is the work of the special breeder. Raising good grades is in the line of every farmer. Cattle raising ranks first in the live stock business; the prices are more uniform and less fluctuating, and the animals are less liable to disease than other classes of stock and do better on our native products. Breeding is no great mystery. Good judgment should be exercised in selecting breeding animals with reference to soil and climate.

The Professor described the native home of the different breeds of cattle in England. For the cultivated portion of this State he recommended the Shorthorns and Herefords; for the plains, Devons and Polled cattle. How to improve: The sire is the great agent and factor and is considered one half the herd. The male should be medium or undersized. Red color is merely a hobby and this mania has done the Shorthorns injury. Select with regard to vital points. Prepotency is an essential point as well as is strong constitution. While the brisket is not valuable for beef, it indicates a good heart. The hair also is an index of good or bad qualities. The dam should be mature before breeding. D. K. Babbitt in discussing "Horses of All Work" said they were a myth and only existed in the minds of men. The term should be dropped from our premium lists, and Agricultural Horses substituted. For this he recommended the Cleveland Bays or Park Horses. They should be 16½ hands high, medium, dark colors, and able to trot a mile in four minutes or better and weigh 1,300 or 1,400 pounds. Such horses are suited for every purpose of the general farmer.

Tame Grasses was discussed by the chairman, J. M. Boomer. He had been regarded lucky in seeding; but this was not the case; it was merely perseverance. Sowing grass seed with other grain is not recommended, unless it should be with rye and that pastured in the fall. The best results had been obtained in sowing timothy and clover about one third of the latter. His tame grasses were good for pasture from April 15 to November 15. He advised trying orchard grass, blue grass and alfalfa.

Mr. Elliott stated that from four acres of clover and timothy meadow, he had secured 24 loads of hay averaging 1,500 pounds to the load, or 18 tons of hay. C. H. Isely gave an interesting paper on General Farming, in which he presented facts of general interest, including the intellectual and moral phases of the subject. Education for Farmers was an able treatise by Mr. Nutting. Agricultural colleges, experimental farms, institutes and good papers were some of the factors that we should avail ourselves of. The small farmer is the most needy. The education should be thorough; the eye, ear, mind and hand should each be cultivated. Sorghum Culture was discussed by J. G. Babbitt. In reviewing the history of the industry a high tribute was paid Mr. Hedges, of St. Louis, now deceased, a pioneer of this industry. The best soil for cane is dry sandy loam. Good seed should be used and well tested prior to seeding. It should be drilled to the depth of one inch and cultivated

like corn, and is raised as easily at ten tons to the acre. In 1882 there was planted 686,788 acres of cane in Kansas, and this year the crop will be still larger. He considered it a profitable industry and urged that the farmers grow it more extensively.

President Fairchild gave one of his characteristic and able addresses on "The Farmer's Home," in which he treated of the architecture, the conveniences of the different apartments, and the influences of the home. The address received marked attention.

In the discussion on Corn Culture, the listing process was universally recommended. The experience of listing corn has been greater in Brown than in any other county in the State.

Fruit Culture was discussed by Mr. Grubb, a man of 40 years experience, and one of the oldest horticulturists in the State. He recommended the planting of trees in furrows and trenches instead of in holes; and the trees should be well cultivated until they begin to bear. Then the orchard should be sown to clover. Trees should be planted one rod apart, then later cut out so that one half should be bearing trees. Plant the trees always in the spring and patronize home nurseries.

A vote of thanks was tendered the Professors from the Agricultural College and to the chairman for his very efficient work.

A regular Institute was formed at the close of the session with J. M. Boomer as President, and T. L. Brundage as Secretary. HEATH.

## The Legislature.

Since our last report, and up to yesterday morning, a good deal of work was done, though but little of it has any special interest to the people generally. A good many bills have been passed by the House and by the Senate, but none passed both houses. A bill was introduced to provide for the appointment of Sheep Inspectors in every county of the State; one to encourage forest tree planting; one establishing the office of county assessor; one to appoint a State Inspector of Assessments; one to prevent selling toy pistols to minors; one to establish a State Land office. A large number of petitions asking for railroad legislation were presented. Mr. Knappenberger presented at one time the names of about 3000 petitioners, nearly all of whom asked for the fixing of maximum rates. One petition, signed by 943 women of Nemaha county, was presented, asking for the suppression of the liquor traffic. The committee appointed to look into the Leavenworth private charitable institutions made a favorable report. So, we may expect twenty or thirty thousand dollars of the people's money to be unlawfully given to these local organizations.

The Senate, after discussion, refused to pass Mr. Hackney's bill to submit woman suffrage to a vote of the women of the state. The Senate adopted a resolution to submit to the people a proposition to amend the constitution so as to give five Judges to the Supreme Court, and a county court in every county. Mr. McAfee's resolution asking Congress to take action toward protecting American cattle from contagious diseases was passed. A resolution was adopted asking Congress to put lumber on the free list. Two congressional apportionment bills have been introduced—one in the House. These will occupy a good deal of time.

Discussions on the two railroad bills—one in Senate, Kelly's bill, and one in the House, Committee's bill, occupied a good deal of time. This is commented upon in another place. The most conspicuous feature of the discussion was the almost universal absence of anything like broad and comprehensive views of the subject in hand. We watched the reports closely and failed to see or hear anything purporting to be a digest of the railroad subject, though facts and figures were frequently called for. No argument, based on commercial facts, or railroad statistics, so far as we know, was presented. The committee bill was made to stand as the argument of the majority, and, though attacked by general propositions, no one appeared either willing or competent to back his assertions with facts. The best in that line was a letter from Mr. Sargent, general freight agent of the Fort Scott & Gulf road, stating that the transportation of freight over its line, in

1880, cost 1.04 cents per ton per mile, and in 1881, the cost was 1.18 cents per mile. He estimated that the cost for 1882 (the figures for which had not been made up) would be between 1.04 and 1.18 cents.

The bill passed the House Monday evening by the following vote:

Yeas—Allen, Anderson, Armagost, Arnott, Bassett, Beeson, Bishop, Bissell, Bohrer, Borton, Buek, Burton, Butterfield, Carr, Charlesworth, Claypool, Cloyce, Collins, Craney, Crawford, Davenport, Davis, Dixon, Dunsmore, Elder, Ellis, Faulkner, Foster, Gamble, Glass, Green, (Riley), Greever, Grover, Herzig, Hicks, Hoffman, Isely, James, Johnson, Knappenberger, Kale, Lingenfelter, Lowe, Martin, (Davis), Martin, (Miami), McCleverty, McPherson, Montgomery, McTaggart, Pauly, Neally, Porter, Petjohn, Reeves, (Harvey), Randolph, Robertson, Reeves, (Republic), Ryan, Russell, Scott, Schilling, Speer, Smith, Stewart, (Allen), Stearns, Stewart (Montgomery), Stewart (Cherokee), Sutton (Anderson), Stone, Sweezy, Sutton (Lyons), Walton, Timmons, Waters, Warner, White, Wells, Wimer, Willhoite, Woodin. Mr. Speaker—83.

Nays—Arnold, Bryant, Calhoun, Carter of Chase, Clogston, Crichton, Drought, Gabriel, Gillett, Green of Leavenworth, Hargrave, Hoover, Kenyon, Mayhew, McAfee, Merritt, Myers, Orner, Rhea, Schnebley, Seaton, Street, Titus, Turner, Veale, Venard, Wharton—26. Absentees, 15.

Upon the passage of the bill the following named gentlemen presented protests: E. S. W. Draught, Geo. W. Gabriel, H. T. Green, W. D. Street, E. J. Turner, C. S. Calhoun, A. B. Mayhew, A. C. Merritt, B. C. Arnold, Eli Titus, W. M. Rhea, B. J. Kenyon, J. N. Venard, Geo. D. Orner, W. H. Carter, B. F. Bryant, John Hargrave, J. B. McAfee, P. P. Elder.

The grounds of protest were various, refusal to admit certain amendments; that the bill discriminates against certain products of the soil; that the rates fixed are too high; that the roads ought to be classified; that the provisions against discrimination are not plain enough, etc.

It was expected that a communication direct from railroad men would be presented to the House yesterday. The Senate does not need anything of that kind.

From the K. C. Indicator we see that the Kansas State Cane Growers and Manufacturers' Association will meet in convention at Topeka Wednesday the 21st inst. A special request is extended to every one interested in the production of sugar and syrup in Kansas to be present. Samples of syrup, sugar, seeds, contributions and reports from every county in the State are urgently desired, to make this, the first annual meeting at success.

Henry Avery, Wakefield, Kansas, has just added six more pure-bred Percheron horses to his already fine herds bought from M. W. Dunham, of Illinois.

## THE MARKETS.

By Telegraph, February 12, 1883.

## Chicago.

The Drovers' Journal reports:

CATTLE Export steers 6 00a6 20; good to choice shipping 5 10a5 50.  
HOGS Common to good mixed packing 6 00a 6 60.

Chicago, Feb. 12. Wheat March opened at 1 06½. Corn Mch opened at 55½c.

## St. Louis.

The Western Live Stock Journal reports:

HOGS Active and strong yorkers, 6 40a6 60.  
CATTLE Good to choice shipping, 5 25a5 75.  
St. Louis, Feb. 12. Noon. Wheat Red winter Mch 1 11½. Corn Feb 51½. Mch 1 52½.

## Kansas City.

The Live Stock Indicator Reports:

CATTLE Market dull and weak; native steers ave. aging 1344a1471 lbs. 5 00a5 25; stockers and feeders, 4a4 50; cows, 2 70a3 60.  
HOGS Market firmer and 5a10c higher; lots averaging 225a410 lbs sold at 6 40a6 85.  
SHEEP Market steady; natives averaging 87 lbs sold at 8 85.

Price Current reports:

WHEAT Market unsettled; No. 3 cash, 84c bid; No. 2 cash, sales at 92½c.  
CORN Market weaker; No. 2 mixed cash, sales at 42½c.  
OATS No. 1 cash, 35c bid.  
BUTTER Weak and slow.  
EGGS Market unchanged; 23a25c per doz.



## Early Vegetables.

It is now time for us to begin work if we expect to grow very early vegetables. I sow the seeds of those kinds from the first to the middle of March, in hot beds or the greenhouse; or if these are not to be had; a sunny window of the house will do. I use boxes one foot wide by two feet long, and three inches deep, made of half-inch lumber. These I fill with good soil and sow the seed in drills, covering the seed lightly.

For early cabbage I plant Jersey Wakefield and Henderson's Early Summer, and for second early, Winningstadt. The Acme tomato is one of the best early varieties. They are invariably smooth and very free from rot. I have this variety from the originator, Mr. Livingston, and it is pure. I saved quite a quantity of seed from the best specimens, and for two letter stamps will mail any reader of the FARMER a packet.

I also sow a few pepper, egg plant and cauliflower seed. After the seeds sown in boxes are up about three inches, I transplant into other boxes, like those sown in, two inches apart each way. Sometimes I set a few in two-inch pots. I have successfully used old fruit and oyster cans. These I cut in two with an old chisel, and then cut a good sized hole in the bottom of each, and over this place a chip of wood. Fill the half can with rich soil, and in each place a single plant. My idea for this is that when ready for planting out I can place my thumb on the chip and push the ball of earth out entire and not check the growth of the plant in the least. The pots are best, but are not always at hand, while the cans are a nuisance and many will be glad to be able to utilize them in this way. Plants grown in this way should not be kept too moist, as to cause them to grow tender and sprouting. About every ten days take a sharp case knife and draw it through the soil down to the bottom of the box, between each row of plants, both ways, of those set in boxes. This cuts off all side roots and causes each plant to grow a perfect mass of short, fine roots, so essential for successful transplanting. Ten days before setting out in the garden they should be hardened off by gradually exposing them, night and day, in open air.

J. H. PEARSON.  
Ainsworth, Iowa.

When color on a fabric has been accidentally or otherwise destroyed by acid, ammonia is applied to neutralize the same, after which an application of chloroform will, in almost all cases, restore the original color. The application of ammonia is common, but that of chloroform is but little known.

When a cowboy goes into a Western newspaper office to demand satisfaction, the editor always explains that the assistant who wrote that article "has just gone out to kill a man, but will be back in a few minutes." The cowboy never waits.

A man at a hotel fell the whole length of a flight of stairs. Servants rushed to pick him up. They asked him if he was hurt. "No," he replied; "not at all. I'm used to coming down that way. I'm a life insurance agent."

In Russia there was a blind beggar; that beggar had a brother, that brother died, but the man that died had no brother. What relation was the beggar to the man that died? The beggar was a woman, and, therefore, a sister.

John, the new colored boy, being rather cold one evening, and having no more covering, took down a picture of a glowing chromo sunrise, and put it on his bed, sleeping warm during the remainder of the night.

People who wonder why men's hair turn gray before their whiskers should reflect that there is about twenty years difference in their respective ages.

Some people treat their friends as they do an orange—they squeeze all the juice out of it, and then throw it away.

## SEEK

health and avoid sickness. Instead of feeling tired and worn out, instead of aches and pains, wouldn't you rather feel fresh and strong?

You can continue feeling miserable and good for nothing, and no one but yourself can find fault, but if you are tired of that kind of life, you can change it if you choose.

How? By getting one bottle of BROWN'S IRON BITTERS, and taking it regularly according to directions.

Mansfield, Ohio, Nov. 26, 1887.

Gentlemen:—I have suffered with pain in my side and back, and great soreness on my breast, with shooting pains all through my body, attended with great weakness, depression of spirits, and loss of appetite. I have taken several different medicines, and was treated by prominent physicians for my liver, kidneys, and spleen, but I got no relief. I thought I would try Brown's Iron Bitters; I have now taken one bottle in side and back all gone—soreness all out of my breast, and I have a good appetite, and am gaining in strength and flesh. It can justly be called the king of medicines.

JOHN K. ALLENDEY.

BROWN'S IRON BITTERS is composed of Iron in soluble form; Cinchona the great tonic, together with other standard remedies, making a remarkable non-alcoholic tonic, which will cure Dyspepsia, Indigestion, Malaria, Weakness, and relieve all Lung and Kidney diseases.

## TOPEKA SEED HOUSE

ALL KINDS OF

## Garden and Field Seeds

All Seeds fresh and true to name. I have Seeds from all the responsible Seed growers and importers and a fine selection of Seeds adapted to Kansas soil and climate. GROWN FOR ME IN CALIFORNIA. All seeds are put up by me on order received. No paper Seeds sold. All kinds of

## Seed Corn and Seed Potatoes

in their season. Orders by mail or express promptly filled. Address S. H. DOWNS, 78 Kansas Ave., Topeka, Kas.

## SWEET POTATOES.

All known good varieties and almost any quantity. Also choice and new varieties of Irish Potatoes. Inquire of the old reliable Potato Grower

B. F. JACOBS,  
Box 123, Wamego, Kas.

## Grade Clydesdales.

For sale, three Grade Clydesdale Horses, aged 2, 4 and 6 years in the spring. They are acclimated, good color and sure breeders. A bargain if purchased soon, as I am going out of the business. Address W. GUY, McCANDLESS, Cottonwood Falls, Kas.

\$5 to \$20 per day at home. Samples worth \$5 free. Address Stinson & Co., Portland, Maine.

A sure cure for epilepsy or fits in 24 hours. Free to poor. Dr. KAUSE, 2344 Arsenal St., St. Louis, Mo.

## BREEDERS' DIRECTORY.

Cards of three lines or less, will be inserted in the Breeder's Directory for \$10.00 per year, or \$5.00 for six months; each additional line, \$2.00 per year. A copy of the paper will be sent the advertiser during the continuance of the card.

## Cattle.

H. H. LACKEY, Peabody, Kansas, breeder of Short-horn cattle. Heed numbers 100 head of breeding cows. Choice stock for sale cheap. Good milking families. Invites correspondence and inspection of herd. Satisfaction guaranteed.

PICKETT & HENSHAW, Plattsburg, Mo., breeders of the Oxford, Princess, Kenick, Rose of Sharon, Wiley, Young Mary, Phyllis, and other popular strains of Short-horns. Stock for sale. Plattsburg is near Leavenworth.

B. F. DORAN, Buntion, Cooper Co., Mo., breeder of Short-horn cattle, COTSWOLD, SHROPSHIRE and SOUTH-DOWN SHEEP.

BUCKEYE HERD, S. T. Bennett & Co., Safford, Kansas, Breeder of Short-horn Cattle. YOUNG BULLS FOR SALE.

L. PALMER, Sturgeon, Missouri, Breeder and Importer of THOROUGHBRED SHORT-HORNS. Stock for sale. Mention "Farmer."

OAKLAND STOCK FARM HERD. W. S. White, Habetha, Neenah Co., Kas. Breeder of SHORT-HORN CATTLE. Young stock for sale.

C. M. GIFFORD & SON, Milford, Kas., breeders of Short-horn cattle. Rose of Sharon, Flat Creek Marys and Josephines, with 6th Duke of Acklam and Young Mary Duke 17th at head of herd. Stock for sale.

OAK WOOD HERD, C. S. Eichholtz, Wichita, Kas. LIVE STOCK AUCTIONEER, and Breeder of PURE BRED SHORT HORN CATTLE.

## Cattle and Swine.

CHAS. E. LEONARD, Proprietor of "Kavanaugh" herd of Short-horn cattle. Merino Sheep, Jacks and Jennies. P. O. Bell Air, Cooper county, Mo., E. H. station, Bunceton.

D. R. A. M. EIDSON, Reading, Lyon Co., Kas., makes a specialty of the breeding and sale of Pure-bred Jersey Red Hogs and Short-horn Cattle. Send for circular.

FOR SALE. Thoroughbred Scotch Collie Shepherd Pups. 100 Wethers. Jersey Red Swine, from prize-winning animals. Can furnish pedigree. Correspondence solicited. Address H. Wilber, Blue Rapids, Marshall Co., Kas.

SMALL BROTHERS, Hoyt, Jackson Co., Kansas, Breeders of thoroughbred Short-horn cattle, and JERSEY RED SWINE. Correspondence solicited.

50 PURE BRED SHORT-HORNS, popular families and deep milkers, for sale. Bulls ready for service. Also 40 head improved Poland Chinas, from best breeds in Ill. and Ohio. H. B. SCOTT, Sedalia, Mo.

GUILD & PRATT, Capital View Stock Farm, Silver Lake, Kas., breeders of THOROUGHBRED SHORT-HORN CATTLE, and JERSEY RED SWINE. Spring Pigs for sale in season. Jersey Red Swine a Specialty. Correspondence solicited.

M. WALTIRE, Carbondale, Kas., breeder of thoroughbred and high grade Short-horn cattle; Chester White hogs; Light Brahmas and Black Spanish chickens. Correspondence solicited.

## Hereford Cattle.

J. S. HAWES, MT PLEASANT STOCK FARM, Colony, Anderson Co., Kas., Importer and Breeder of HEREFORD CATTLE. 125 head of Bulls, Cows, and Heifers for sale. Write or come.

WALTER MORGAN & SON, Irving, Marshall county, Kansas, Breeders of HEREFORD CATTLE.

GUDGELL & SIMPSON, Pleasant Hill, Mo., Importers and Breeders of Hereford and Polled Angus cattle. Invite correspondence and an inspection of their herds.

## Swine.

C. O. BLANKENBAKER, OTTAWA, KAS., breeder of and shipper of recorded POLAND CHINAS and Yorkshire swine. Also Plymouth Rocks. Special rates by express. Write.

ROBERT COOK, Iola, Allen county, Kansas, Importer and Breeder of Poland China Hogs. Pigs warranted first-class. Write.

## Sheep.

E. COPELAND & SON, Douglas, Kansas, breeder of Spanish or Improved American Merino Sheep; noted for size, hardiness and heavy fleece.

MRS. ANN NEWTON, Pontiac, Mich., breeder and Importer of Cotswold, Lincolnshire and Shropshire Down Sheep. 100 Rams and 100 Ewes for sale. Correspondence solicited.

PAVILION SHEEP RANCH, Pavilion, Wabunsee Co., Kas., E. T. Frowe, Prop'r. Breeder and dealer in Thoroughbred Spanish Merino Sheep.

T. C. LIPPITT, Shenandoah, Iowa, breeder and Importer of high-class and registered Merino sheep, bred for size of carcass and amount of wool. Stock Rams for sale. Satisfaction guaranteed.

## Poultry.

MARK S. SALISBURY, box 931, Kansas City, Mo., offers eggs of pure-bred Plymouth Rock fowls and Pekin Ducks for \$1.00 per setting; also Hong Kong geese eggs. \$2.50 per dozen.

KANSAS STATE POULTRY YARDS, N. C. Westfield, proprietor, Brookville, Kansas, breeder of Plymouth Rocks, B. B. Red Games and Pekin Ducks.

L. DUTCHER, No. 90 Madison St., South Topeka, Kas., Breeder of Fancy Chickens, has for sale Light and Dark Brahma Cockerels, and Light Brahma Pullets; also Black Cochins Cockerels. Cheap; from \$2 to \$3. Eggs in season from above at \$2 for 13. Stock warranted pure.

KANSAS STATE POULTRY YARDS, Clio, Iowa, N. C. and Miss Susie Westfield, prop'rs, and breeders of Plymouth Rock and Black Spanish Poultry.

W. H. STEWART, Manhattan, Kas., Breeder of Pure-bred Games, Red Pyle, B. B. Reds, Cobden Blue, Red and Black Games. Send for price list.

## Mrs. M. S. HEATH.

Breeder of and Dealer in Pure-bred PLYMOUTH ROCKS. Eggs in season. For prices apply to her address—Fontana, Kansas.

MOUND CITY POULTRY YARDS, breeder of high-class thoroughbred Poultry. Plymouth Rocks, Light Brahmas, Buff Cochins, and American Sebrights. All of the finest strains in the country. Send for circular and price list. Address S. L. IVES, P. M., Mound City, Kas.

JACOB YOST, North Topeka, Kansas, (P. O. box 818), breeder of pure blood Brown Leghorns—the champion layers. A few settings of choice eggs for sale. \$2.50 for 13.

PLYMOUTH ROCKS a specialty. I have a few Pure-bred Plymouth Rock fowls for sale. Cockerels \$2 and Pullets \$1 each. Eggs in season at \$2 for 13. MRS. J. P. WALTERS, Emporia, Kas.

WAVELAND POULTRY YARDS, Waveland, Shawnee county, Kansas, W. J. McColin, breeder of Light Brahmas, Plymouth Rocks, Bronze Turkeys and Pekin Ducks. Stock for sale now. Eggs for hatching in season; also Buff Cochins eggs.

Plymouth Rocks, BRONZE TURKEYS, EMBDEN GEESE, PEKIN DUCKS, SCOTCH COLLEY SHEPHERD PUPPIES, and GRADE JERSEY HEIFERS, for sale, at all times. Eggs for setting, in season. J. M. ANDERSON, Salina, Kas.

## NURSERYMEN'S DIRECTORY.

THE KANSAS HOME NURSERY. The largest assortment of Standard, Tied and New Fruit and Ornamentals. Trees of real merit and true to name, including new Apples, Peaches, Oriental, Hybrid, blight proof Peaches, Champion and other Quinces, Russian Apricots; Downy, Ever-bearing and Russian Mulberry, promising Grapes, earliest and hardy Small Fruits, Hedge Plants, etc. Price list to applicants. A. H. GRIESE, Lawrence, Kansas.

THE MIAMI NURSERIES, Louisburg, Kas., Apple, Cherry, Peach, Pear and Plum trees, small fruit plants, Osage Hedge, Apple Seedlings and Root Grafts. Send for price list. Address CADWALLADER BROS., Louisburg, Kas.

Stark Nursery. 48th year. 500 acres. Catalogues free. Intending purchasers will do well to get their orders booked early; trees for spring being scarce throughout the country. STARK & CO., Louisiana, Mo.

8,000,000 One and two years old HEDGE PLANTS, for seasons of '82 and '83. WHOLE-SALE and RETAIL.

Apple, Peach, Pear and Cherry trees, Grape vines, and other nursery stock. BAHOOCK & STONE, North Topeka, Kas.

## Topeka Business Cards.

WELCH & WELCH, Attorneys at law, 173 Kansas Avenue, Topeka, Kansas.

THOS. H. BAIN, Att'y at Law. L. T. COLDREN.

BAIN & COLDREN, Real Estate and Loan Brokers. Money on Farms at 7 per cent. 160 Kansas Avenue, Topeka, Kas.

BRODERSON & KLAUER, 129 Kansas avenue, Topeka. Manufacturers of fine CIGARS and TOBACCO. Wholesale and retail dealers.

FERNALD BROS., (successors to J. W. Stout & Co.) Marble and Granite Monuments, Tombs, Head stones, etc., 157 and 159 Quincy street, Topeka. All work executed in the highest style of the art. Satisfaction guaranteed.

D. HOLMES, DRUGGIST, 247 Kas. Ave. I have the agency for Sample's Scotch Sheep Dip, which I sell at manufacturers price.

GEO. B. PALMER, Undertaker, 261 Kansas Avenue, Topeka, Kansas, dealer in all kinds of Cloth, Wood and Metallic Cases and Caskets. Office open and telegrams received at all hours of the night.

## Hotel Delmonico,

DEHONEY & WEST, PROPRIETORS. Corner Fifth & Central Sts., Kansas City, Mo.

Located near the business center, only two squares west of Board of Trade building, Armour Bros. bank, Bank of Kansas City and Bank of Missouri. House newly furnished. Union Depot street cars pass the door every five minutes. Terms \$2.00 and \$2.50 per day.

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## Russian Mulberry.

I will forward by mail, prepaid, 100 cuttings for \$2.00; 50 cuttings for \$1.00; 25 cuttings for 50 cents. Also, one dozen one-year-old trees for \$1.00.

A. ELLSWORTH,  
Hutchinson, (Reno Co.), Kas.

And large stock of Apple, Pear, Plum, Cherry, Apricot Quince Grape Vine Grapes, Raspberries, Snyder's Blackberry, and small fruits, Evergreens, Roses, etc. The best shipping point and best facilities for packing and orders of any establishment in the West. Orders from planters given special attention. Prices on application. KRLAWY & CO., VINELAND NURSERIES, St. Joseph, Mo.

MARYLAND FARMS—Book and Map free by U. E. SHANAHAN, Att'y, Easton, Md.



## Ladies' Department--Continued.

## Children and Novels.

As I glanced over the first few lines of "Fiction continued" I felt real sorry to think Practical thought I was abusing her. I did not intend it that way, and I hope she will accept this as an apology. Of course I think making one's self a slave to any habit is bad; but I still think there are good works among fiction and bad among truth. For instance, almost all our weekly papers are not only full of murders, thefts, and robberies, but they are enlarged upon and frequently written up to show how smart the thieves were, who are held up as heroes. Such papers are worse than any good moral novel. Even some of the so-called Sunday school papers are very loose in regard to what they print. Then there is the life of the James boys. I suppose that is true; but then would you wish your children to read it in preference to a novel? (In speaking of novels I mean the better class; not the yellow-back tribe.) I also think it impossible to raise a family without their reading more or less fiction, and the best way is to guide that reading (gently, not harshly) to the better class and teach them to avoid the low and vicious by your example. Telling children that they shall not do so and so, only makes them more anxious to do so; but if talked to gently and told at length your reason they will generally be guided easily. This I know by experience of two families I am acquainted with. One, Mrs. B., lets her children read fiction selected by herself, and she talks freely with them in regard to all they read and hear. They (the children) are noted for honesty, truth, politeness and general good conduct. The other lady, Mrs. O., does not allow her family to read fiction at all, and also gave Mrs. B. a good friendly talking to about her way of doing. One day when on a visit to Mrs. B. and saw Mrs. B.'s little girl reading a novel, she said—"I would be afraid they would learn all evil and lose their chance of Heaven." But before she went home she said she had to lock everything like cake, etc., up or the children would take it, and that her boys had run off to a low party only a few nights before. Her children are noted as much for their untruthfulness and rudeness as Mrs. B.'s are for goodness, and I think it is her own fault for being so strict with them and not gaining their good will and confidence.

To sum up: Give us good moral fiction and less weekly sensational papers. Now, Practical, I wish you would send for a number of *The Critterion*, St. Louis, Mo. Price 5 cents. You will like it, I think. It is one of the best weeklies published.

Won't Mrs. M. E. H. try my receipt once more for apple pudding? I did not see the paper it was in, for we failed to get several numbers just then, and it may not have been written right. I have never seen anybody but liked it, and if you will send me a short letter I will write it again for you, as I have quite a pride in my cooking. Would write to you, but fear the letter would fall addressed to just initials. AMERICAN GIRL.  
Hepler, Crawford Co., Kas.

## Wants to Vote.

I would like for all the ladies, especially farmers' wives, to have the right to vote. I was raised on a farm and know something about the troubles and trials of a farmer's wife. They have to work very hard and spend nearly all their time at home. Now how pleasant it would be on election day if they could go to town and vote, and then do some shopping; call for a short time to see a friend and return home, refreshed and thinking how pleasant it was to get away from home one day. Oh yes, but you will say she is a day behind with her work. That is true; but she will feel like doing more work the next day. Now if she had staid at home how much work would she have done in the house? Her husband would have left her at home with orders to feed and water a lot of hogs, horses, and other stock. I will give you a circumstance that occurred on last election day. Mr. — said to his wife in the morning: "Well, Betsy, I must go to the election. I want to defeat a man who is running for a certain office; and as you can't vote you will have to herd the cattle to-day, so John can go with me to the election. Now, poor Betsy had to herd the cattle all day while Mr. — and his hired man spent the

day in town. I have heard that same man say it was a disgrace for a woman to go to an election. But I am thankful that we have but few such men in Kansas. I am thankful that the majority of the men in Kansas are men who have said by their words and actions that they are willing that women should be equal with the men and should be treated as ladies and not as heathen-slaves.  
WESTERN GIRL.  
Camden, Kas.

## Suffrage--Recipes, etc.

Again I will make you ladies a short visit. The letters in the two last papers have been very entertaining. I think Wybel's letter on Woman suffrage and the Editor's thoughts on the subject were splendid. I think as they do that if women would treat degraded men as they do degraded women, how soon it would be noticed in society. And I think woman by her gentle influence and kindness can work a better and more sure reform than with the ballot. And even if they had the privilege to vote, I can't see how farmers' wives can take the political burden on their shoulders and not neglect their duties as wives and mothers.

Aunt Polly, your way of keeping sausage in sacks is good. My mother used to keep it that way; also your way to make hog-head cheese is good. I will give a few receipts that I like.

**Fried Pie:**—Make a crust like you would for biscuit, only a little more lard, and fill your skillet two-thirds full of lard, and roll your crust as large as your skillet and a little thicker than for a pie to bake, and fry until done. Take nicely cooked dried apples and rub through a colander; sweeten and season to taste and spread between the layers of crust to eat warm. Now, I imagine I can hear Mrs. Holsington calling it an orthodox pie. A good apple custard is this way: One pint of apple sauce, one pint of sweet milk, three eggs; sweeten and flavor to taste; bake with an under crust.

I was pleased to see a letter from a little girl in the youth's department. Mothers encourage your boys and girls to write for this paper and make this page interesting. I noticed in one of the last month's paper Virginia speaks of a paper receiver from Mrs. Macey's suggestions; as we have not taken the KANSAS FARMER very long I think that suggestion was printed before we commenced taking it. I wish Mrs. Macey would please have it printed again as I would like to make it.  
ANNETTIE.

## Suffrage, Temperance and Chickens.

On receiving the FARMER this week, I was much pleased to read the interesting letters from the ladies.

The Woman Suffrage question has been pretty thoroughly discussed and some good ideas have been expressed on both sides of the question; among others, Wybel, where she says, "If we would treat drunkenness and immorality in a man as we do in one of our own sex, we would soon see a difference in society." I cannot consider it a threadbare and disgusting subject as some do to know how woman can best use her influence in society. I suppose it is or will be left to the women themselves in this state whether they vote or not. I do not know that voting would greatly benefit woman; but I consider it an inalienable right for a woman to vote. A slave may be better off in slavery than out of it, but has not every man or woman the right to their freedom?

A few words for temperance. Many have been disappointed in the results of the recent election, that we have an anti-prohibitionist for Governor. The prohibition law was very offensive to a large portion of the people of Kansas. Gov. Glick is a temperance man as I understand it; perhaps he can use his influence to bring about the desired result by some milder and less offensive remedy than the prohibitory law.

I would like to ask "J." what kind of fowls she keeps, how many, and what kind of food she gives them?

Will some of the lady readers please tell me how apple-butter can be made so it will keep through the spring and early part of summer?

One lady asks if it is necessary to put salt in lard to have it keep all summer. I can tell her I have kept it till September without salt and it kept well; but I had a good cellar to keep it in.  
Mrs. E. D. H.  
Allen, Kansas.

## Spice Cake and Apple Dumplings.

I will introduce myself a farmer's wife and would like to join your circle. We like the KANSAS FARMER very much. I read the Ladies' Department the first thing; find many useful hints. I will give a recipe for green apple dumplings: Mix and roll good rich pie crust; have your apples quartered and cored; cut the crust in bits large enough to hold one apple; press it together firmly, and so on till you have enough for your family; then put in a tin with one pint of water and bake till nearly done, when add the gravy and finish baking. The gravy is made as follows: One cup of sugar, one-half cup butter, one tablespoonful flour, two pints boiling water; flavor with nutmeg.

For spice cake: 2 cups sugar, 1 cup butter, 3 eggs, 1 cup cold water, teaspoonful soda, 3 cups raisins chopped, 3 cups of flour; spice to suit taste.

I would say to Nixie that it is not necessary to put salt in lard if she has a cool place to put it during summer. Mrs. A. M.

If your coal fire is low throw on a teaspoonful of sugar, and it will help it very much.

## A Rare Exception.

The practice of puffing "patent" medicines is simply abominable, and we discourage it. But all rules have their exceptions, and we make one here. Hunts Remedy, the great kidney and liver medicine, has proved itself to be a valuable medicine, capable of doing great good to sufferers from complaints of the kidneys, bladder, liver and urinary organs. It has cured thousands.

A French chemist reports that water made slightly salt, and to which, when boiling, bran in the proportion of one quart to every gallon has been added, has been found in a series of experiments to increase the yield of milk twenty-five per cent., if given to the cows in their ordinary drink.

If calf flesh is once lost, says a celebrated Irish farmer, it can never be regained. A great deal of tallow may be got internally by subsequent high feeding, but the animal can never again be made one that will be prized by the retail butcher.

Thousands of women bless the day on which Dr. Pierce's "Favorite Prescription" was made known to them. In all those derangements causing backache, dragging down sensations, nervous and general debility, it is a sovereign remedy. Its soothing and healing properties render it of the utmost value to ladies suffering from "internal fever," congestion, inflammation, or ulceration. By druggists.

When the subsoil is loose, open and gravelly, subsoiling is unnecessary; upon such land it is generally sufficient to turn over the fertile surface soil, and to go no deeper with the plow than the soil can be manured. Gradually, as the soil can be enriched, the plow may go deeper, but much injury may result by plowing a thin, gravelly soil too deeply at first.

## Diseases of the Kidneys.

Dandelion Root, from time immemorial has been regarded as a valuable domestic remedy for kidney diseases. This root is one of the ingredients of Leis' Dandelion Tonic, but in this valuable and popular remedy it is so combined with other alteratives and tonics as to produce results in the treatment of diseases of the kidneys, impossible of attainment by the use of the domestic remedy. For diseases of these organs the Dandelion Tonic is without a rival.

When you turn a grain-fed calf on pasture you must continue the grain; but if you have fattened a calf on grass and grain, you can drop off the grain when the calf is on grass and he will still do well.

When all other remedies fail then try Dr. King's New Discovery for Consumption. Trial Bottles free.

The creamery system of butter making is steadily gaining favor in New England, as it is in the Middle States, and in some of the States of the West. Over 250 creameries were built in 1882, in Iowa, Illinois, Wisconsin and Minnesota.

## If You are Ruined.

In health from any cause, especially from the use of any of the thousand nostrums that promise so largely, with long fictitious testimonials, have no fear. Resort to Hop Bitters at once, and in a short time you will have the most robust and blooming health.

The competition between the dealers in live and dead beef in the West has resulted in bringing the price down in the East from 20 to 40 per cent.

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Also as a Gargle for the Throat, as a Wash for the Person, and as a Disinfectant for the House.

A CERTAIN REMEDY AGAINST ALL CONTAGIOUS DISEASES.

Neutralizes at once all noxious odors and gases. Destroys the germs of diseases and septic (putrescent) floating imperceptible in the air or such as have effected a lodgment in the throat or on the person.

Perfectly Harmless used Internally or Externally.

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Price, 50 cts. per bottle. Pint bottles, \$1.00.

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THE GREAT  
**BLOOD & LIVER PURIFIER**  
A SURE CURE FOR  
Sick Headache, Dyspepsia, Langour,  
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work or excess of any kind,  
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The Hutchison Herald in referring to the syrup works at that place says: We called at the office of the company and were shown an article of sugar that was manufactured in Kansas (and any one can call at the office and see for themselves). It is about the shade of B. coffee sugar, lively grain and will pass muster with any you can find of like grade, and it certainly would be no detriment to any first-class hotel to be found on the table.

Wheat bran, oats and corn mixed make the best strong food for sheep in winter. Bran and corn are good; corn alone is not bad. From one to two pounds of corn and two pounds of good hay is a fair day's ration for a moderate sized sheep.

## THE CELEBRATED "KIDNEY-WORT"

THE SPECIFIC FOR KIDNEY DISEASES, LIVER TROUBLES, CONSTIPATION, PILES, FEMALE WEAKNESSES AND RHEUMATISM.

### PHYSICIANS ENDORSE HEARTILY.

"I have found Kidney-Wort to work like a charm, doing all that is claimed for it. After using it several years in my practice I, a 'regular physician,' can endorse it heartily. It has done better than any remedy I ever used.—R. K. Clark, M. D., South Hero, Vt.

### Dangerous Kidney Disease.

"A stroke of paralysis prostrated me, also dangerously diseased my kidneys. The doctors failed, but Kidney-Wort cured me."—E. Slade, 18 Blackstone St., Boston, Mass.

"My kidney troubles had lasted for 8 years. I often passed blood. Kidney-Wort cured me."—Michael Cole, Montgomery Center, Vt.

### Kidney Disease and Rheumatism.

"Two of my friends had my trouble," says Mr. Elbridge Malcolm, of West Bath, Me. "I was given up to die, by my physician and friends. We all had kidney disease and rheumatism. Mine was of 30 years standing. Kidney-Wort has entirely cured all three of us."

"I had kidney troubles for many years. Kidney-Wort cured me."—J. M. Dows, of Diebold Safe Co., 28 Canal St., New Orleans.

### Cured After 20 Years.

"I devoutly thank God that I found out the virtues of Kidney-Wort," writes C. P. Brown, of Westport, N. Y. "It has cured me of a 20 years case of terrible kidney disease."

### Kidneys, Liver and Constipation.

"The most satisfactory results," writes Jas. F. Reed, of No Acton, Me., "in cases of kidney and liver troubles and constipation, have followed from the use of Kidney-Wort, by members of my family."

### Kidney Troubles and Rheumatism.

"My attending physician gave me up. I'd had rheumatism and kidney troubles for 30 years. Many doctors and numberless remedies did me no good. My friends, too, thought my death was certain. Kidney-Wort has entirely cured me," so writes Elbridge Malcolm, West Bath, Me.

### Liver Disorder.

"Please tell my bro. soldiers, and the public, too, appeals J. C. Power, of Trenton, Ill., through the St. Louis Globe-Dem. and Home and Fireside, that Kidney-Wort cured my liver disorders, which I'd had for 20 years."—12-2-'82.

### Rheumatism.

"I have tried a great number," truly remarks Mr. W. N. Grose, of Scranton, Pa., under date of Dec. 12, '82, "but there is no other remedy like Kidney-Wort, for curing rheumatism and diseased kidneys."

### Inflammation of the Bladder.

"Chronic inflammation of the bladder, two years duration, was my wife's complaint," writes Doctor C. M. Summerlin, of Sun Hill, Ga. "Her urine often contained mucus, pus, and was sometimes bloody. Physicians' prescriptions—my own included—and domestic remedies only palliated her pains. Kidney-Wort, however, has entirely cured her."

### Internal Piles.

"I had internal piles for several years," said J. B. Moyer, of Myerstown, Pa. "Nothing helped me except Kidney-Wort. It cured me."

### Ladies' Troubles.

"Respect the confidence reposed in you by ladies. 'It has helped me in intricate diseases,'" writes Mrs. Annie Rockbald, of Jarrettsville, Md. "This lady correspondent wrote us about Kidney-Wort's curative effects."

### Rheumatism.

"Nothing else would," tersely says Justice J. G. Jewell, of Woodbury, Vt., "but Kidney-Wort did cure my three years rheumatism."

### Dyspepsia.

Our correspondent, Mr. Josiah Kenney, of Landburg, Pa., says: "Kidney-Wort cured my dyspepsia. I had it in its worst form, too."

### A Willing Oath.

"I will swear by Kidney-Wort all the time," writes Mr. J. R. Kauffman, Lancaster, Pa. (All its patrons do the same, Mr. K.)

### Delicate Complaints.

Another lady, Mrs. J. B. Clark, Amitee City, La., writes us: "Kidney-Wort has cured me of habitual constipation, pain in the side, as well as some other delicate complaints."

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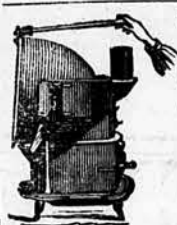
At the Marshall Fair Grounds, at Marshall, Saline county, Mo., on the C. & A. R. R., 80 miles east of Kansas City, and 200 miles west of St. Louis, Wednesday, Feb. 21st, 1883, I will sell my entire herd, consisting of about 100 head of Short-Horn Cattle: Oxford Barrington 2d (10309 S. H. R.) at the head of the herd; seventy females and twenty-seven bulls, consisting of Wiley Duchesses, Craggs, Bracelets, Cambrias, Agathas, Dairy Maids, Primroses, &c. The cows are sired by the 14th Duke of Thorndale (827), 3d Duke of Onelda (1778), Duke of Woodland (6478), 5th Lord Oxford (766), Oxford Brigand (9049), Kirklevington Duke 2d (1012), Cambridge Rose Duke (4840), 2d Cambridge Rose Duke (4841), Oxford Roan Duke (9059), Duke of the Roses (8477).

There will be no postponement of the sale on account of bad weather as all will be conducted under shelter. Catalogues will be ready by the first of February, and can be had by applying to me at Marshall, Mo.

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What my customers say: "The Onion Seed was superior to any I ever had."—S. W. Seaman, Motts Corners, N. Y. "I can get seed in my own neighborhood, but, prefer yours at double the price."—N. P. Watts, Perry, Ohio. "Your seed is the only seed from which we can raise good Onions the first year."—J. M. J. Parker, Ahnapee Wis. "I have used your seed for six years and had rather pay \$3.00 per lb. extra than have seed from any other source."—A. T. Ayers, Turners Mills, Iowa. "The Danvers Onions from your seed grew from 'setts'."—James McChesney, early Red Globe yielded at rate of 948 bush. Mich. This is just the kind of onion seed I have to offer. Last year planted as a test side with seed from eleven different growers, the onions from my own markedly surpassed all in roundness, earliness and fineness. If those of you who grow red onions will try my Early Red Globe you will not be likely to raise any other for the future. Early Round Yellow Danvers by mail per lb. \$2.50; Early Red Globe \$3.00; Yellow Cracker (earliest of all) \$3.00; Large Red Wethersfield, \$2.50. My large Seed Catalogue free to all. JAMES H. GREGORY, Marblehead, Mass.

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price \$1,000. The best bargain in the state.

Correspondence, or inspection of our stock, invited.

**F. E. SAGE, Pres.,  
LARNED, KAS.**

## Holstein Cattle

**THOS. B. WALES, Jr.,**

IOWA CITY, IA. Herd was established in Massa-  
chusetts in 1870 and row numbers over 80 head  
all represented in the Holstein Herd Book. Many  
nimals we personally selected in Holland.

**NO ONE SHOULD PURCHASE**

Holsteins without visiting this herd. Send for  
new Illustrated Catalogue.

## BLUE VALLEY HERD,

MANHATTAN, : KANSAS,

Offers for sale at fair and reasonable prices  
some very fine Thoroughbred Short-Horn Cattle  
—recorded animals—Cows, Heifers and Bulls.

Also High Grade Cows, Heifers, Bulls, and one  
and two-year old steers, and a few good horses  
mares and mules.

The proprietor has been eight years in the  
business, and is prepared to show the public some  
good stock. Correspondence and a call at the  
Blue Valley Bank is respectfully solicited.

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Manhattan, Kansas.**

## THE LINWOOD HERD SHORT-HORN CATTLE.

Linwood, Leavenworth Co., Kas., is on the U. P.  
R'y, 27 miles west of Kansas City. The herd is com-  
posed of imported VICTORIAS, VIOLETS, and others  
from the celebrated herd of A. Cruickshank, Scotland.  
Also,

**GOLDEN DROPS, LADY ELIZABETHS,  
YOUNG PHYLISSES, BOB'S SHARONS,  
YOUNG MARYS, ETC., ETC.**

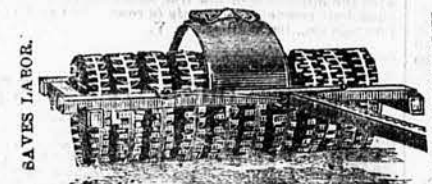
Imp. BARON VICTOR 42824, bred by Cruickshank,  
and 10023 GOLDEN DROPS HILLHURST 89190 head  
the herd. Inspection invited. W. A. HARRIS,  
Farm joins station. Lawrence, Kas.

## Minnesota Amber Cane Seed.

To those wanting the above seed, we have it for sale.  
Also a lot selected for seed, pure and well matured.  
Price, two and four cents per pound by the quantity.

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Chase, (Rice Co.) Kas.**

## EVERY FARMER who farms for profit should use OUR SOIL PULVERIZER.



Strongest, Simplest, most Durable CLOD CRUSHER  
in the field. Send for circular.  
**H. P. DEUSCHER, Hamilton, Ohio.**

On 10 elegant new Chromatons 10c, 14 pbs. 3c  
to make 50 per cent. Please send 20c for 1000  
of 1000. Premium List & Blank Card at  
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## THE CHICAGO COMBINED PATENT Flexible Harrow and Grain Cultivator.

All steel teeth. Best im-  
plement in use. Unequaled  
as a soil harrow and pul-  
verizer. Works equally well  
in growing Wheat, Potatoes  
or young Corn. Adds  
5 to 10 bushels per acre to  
the yield. 25 to 50 acres  
per day cultivated by one  
team. Will pay for itself  
in one year. Send for Illustrated Price List.  
**H. A. STREETER, Sole Proprietor and Manufacturer,  
80 to 88 Illinois St., Chicago, Ill.**

I am prepared to furnish Nursery Stock, Plants and  
Seeds in collections, embracing varieties perfectly  
adapted to this section. My

## ONE DOLLAR COLLECTIONS

Are over 100 in number, and contain almost everything  
in the line of Forest and Fruit trees and Small Fruits  
and Flowering plants in such splendid assortment that  
their cheapness will surprise you.

My collections A and B are just what every farmer in  
this section needs, as they contain the foundation of an  
orchard and fruit garden which cannot fail to be a  
success, if properly tended.

## Collection "A"—GARDEN FRUITS,

is worth \$30. I send it prepaid in this and adjoining  
States for \$12.

It contains 500 strawberry, 100 raspberry, 25 black-  
berry, 12 currants, 10 gooseberry, and 6 Linnaea rhu-  
barb plants. All the varieties are adapted to this  
section and are named in my Catalogue.

## Collection "B" IS WORTH \$30.00,

and contains enough trees for a good-sized orchard. I  
send it, prepaid, in this and adjoining States for \$15, or  
for \$12, charges paid by purchaser.

It contains 100 apple, 25 peach, 25 Russian mulberry,  
6 pear, 6 cherry, 6 crab apple, 6 plum trees.

For description of varieties, see Catalogue.

## Collection "C"—Garden Seeds,

post-paid for \$1.50. Contains 30 large packets garden  
seeds.

## Collection "D"—Garden Seeds,

post-paid for \$3.00. Contains over 50 large-size packets.  
These seeds are fresh, adapted to this climate, and  
are so made up as to give a succession of crops.

## Collection "E"—FLOWER SEEDS,

post-paid, \$1.00. Contains the best assortment of seeds  
for the money ever sent out.

To those who wish to engage in Silk Culture, I will  
send

## 100 Silk Worm Eggs Free

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monthly Journal of the New York Silk Exchange.

Those who wish to accept this offer must respond at  
once. Subscription price, \$1.00 per year.

## RUSSIAN MULBERRIES.

I have a large stock of Russian Mulberry Seed-  
lings, and will send 20 of these splendid trees, 4 to 6  
inches, for \$1.00.

Any one interested in Timber, Fruit and Silk Cul-  
ture, should send for my Catalogue and Book of In-  
struction, sent for three 2-cent stamps.

Address  
**ED. R. MILES,  
DeWitt, Nebraska.  
(Successor to Hyde & Miles.)**

## Short-horn Bull Calves FOR SALE.

Thirty extra fine red thoroughbred Short-horn  
Bull Calves for sale. Will sell on time to farm-  
ers, or close out in one lot to ranchmen at a bar-  
gain. Address. **G. W. GLICK, Atchison, Kas.**

## For Sale

For Sale or Trade, for other Stock, 8 Thoroughbred  
Short-horn Bulls. **H. W. McAFEE,  
Three miles west of Topeka, on 6th st. road.**

## Spalding's Commercial College LARGEST—CHEAPEST—BEST KANSAS CITY, Mo., J. F. SPALDING AND SONS

## How We Test Seeds.

Probably from the fact that our long experience as  
Practical Gardeners, made us realize the necessity more  
strongly than most seed dealers, we very early in our  
career as seedmen inaugurated the practice of testing  
all seeds before selling. From the small tests begun in  
1872, this practice has extended and become so sys-  
tematized that the past season it required the entire use  
of one of our largest greenhouses for our seed tests dur-  
ing the fall and winter, and afterwards in spring in the  
open ground we had set out many thousand plants, rep-  
resenting the stock in vegetable seeds alone of over 500  
growers. All these tests are carried on under the per-  
sonal supervision of PETER HENDERSON, and as the  
author of "Gardening for Profit" has had as long and  
as varied an experience as most men in operations con-  
nected with the soil, it will be seen that we are placed in  
a position to judge, not only as to the germinating prop-  
erties, but what is of far more importance, the purity of  
and the kinds of seeds best suited for all gardening  
purposes. If therefore you can buy seeds as cheaply  
from us, and we think if you will compare prices you  
will find that you can—it will certainly be to your in-  
terest to do so. Our Catalogue for 1883 of Everything  
for the Garden is now ready, and will be mailed free  
on application.

**PETER HENDERSON & CO.,  
35 & 37 Cortlandt St., New York.**

## RELIABLE SEEDS AT HONEST PRICES. SEE THIS SPECIAL OFFER

Believing that I possess advantages unequalled by any other seed-grower, for  
delivering RELIABLE SEEDS into the hands of Farmers and Gardeners anywhere,  
at the lowest prices, and to induce a TRIAL (which I find is generally all that is  
necessary to make a permanent customer), I hereby offer to present a year's  
subscription to our new illustrated monthly magazine, "SEED-TIME AND HAR-  
VEST," to every person who will order One Dollar's worth or more of seeds from  
the following very select list. The magazine is a carefully conducted 32-page  
monthly, which is very cheap at 50 cents a year alone. A more select and valuable  
list of seeds cannot be found anywhere, and I ask a comparison of prices with those of other reliable growers.  
Our prices include prepayment of postage. A sample copy of "SEED-TIME AND HARVEST," or a copy of my  
complete catalogue will be sent free to all applicants. Send postage stamps for fractions of a dollar only.

	Pkt.	Oz.	Lb.
<b>Beets</b> —New Eclipse, true.....	\$0 10	\$0 25	
Early Egyptian.....	05	10	\$1 25
Best of the Red Turnip.....	05	10	75
Dewling's Red Turnip.....	05	10	75
Yellow Turnip.....	05	10	75
Long Smooth Blood.....	05	10	75
<b>Cauliflowers</b> —Lackawanna new.....	20	200	
Early Snowball, new.....	20	200	
Earliest Dwarf Erfurt.....	20	200	
New York Early Marrow.....	20	200	
<b>Cabbages</b> —Hartwell Early Marrow.....	15	00	
Early Favorite.....	15	00	
Perfection Beauty, new.....	15	00	
Early Bleichfeld.....	10	25	4 00
True Jersey Wakefield.....	10	25	4 00
Henderson's Early Summer.....	10	25	4 00
Early Jersey Flat Dutch.....	10	25	4 00
Large Early Oxheart.....	05	20	8 00
Early Winningstadt.....	05	20	8 00
Fottler's Early Drumhead.....	05	25	4 00
Premium Flat Dutch.....	05	25	4 00
Marblehead Mammoth.....	05	25	4 00
Perfection Drumhead Savoy.....	05	25	4 00
<b>Carrots</b> —Early Shorthorn.....	05	10	1 25
Improved Long Orange.....	05	10	1 25
Danvers Orange.....	05	10	1 25
<b>Celery</b> —Golden Hartwell, new.....	15	00	
La Plume Chestnut, new.....	10	1 00	
Crawford's Half Dwarf.....	10	40	
Cartier's Dwarf Celeriac.....	10	40	
New Golden Dwarf.....	10	25	4 00
Dwarf White Solid.....	05	25	4 00
Cartier's Dwarf Celeriac.....	05	25	4 00
Giants White Solid.....	05	10	1 25
<b>Cucumbers</b> —Tallboy's Hybrid, new.....	05	10	1 25
Peerless Early White Spine.....	05	10	1 25
Green Frollic.....	05	10	1 25
Long Green.....	05	20	2 00
<b>Lettuces</b> —Black Seeded Satisfaction.....	05	20	2 00
Early Summer Cabbage.....	05	20	2 00
Black Seeded Simpson, new.....	05	20	2 00
Hanson.....	05	20	2 00
Victoria.....	05	20	2 00
Early Curled Simpson.....	05	20	2 00
True Boston Market.....	05	20	2 00
<b>Muskmelons</b> —Surprise, new.....	05	15	2 00
Bay View, new.....	05	20	3 00
Montreal Green Nutmeg, new.....	05	20	3 00
Netted Gem.....	05	10	2 00
Hackensack.....	05	10	2 00
Christiana Orange.....	05	20	3 00
Watermelon—"The Boss," new.....	15	20	3 00
Japan Sculptured Seeded.....	05	20	3 00
Cuban Queen, new.....	05	20	3 00
Phinney's Early.....	05	10	1 25
Ice Cream.....	05	10	1 25
Ferry's Pear.....	05	10	1 25
<b>Onion</b> —Early Red Globe.....	05	20	2 50
Yellow Danvers.....	05	20	2 50
Red Weathered.....	05	20	2 50
Large Yellow Dutch.....	05	20	2 50
White Globe.....	05	20	2 50
White Portugal.....	05	20	2 50
<b>Parsnips</b> —Smooth Hollow.....	05	10	75
Early Round.....	05	10	1 00
New Maltese.....	05	10	1 00
<b>Peas</b> —New Golden Dawn.....	15	00	
Sweet Ball or Ball Nose.....	10	25	4 00
Large Sweet Mountain.....	10	25	4 00
Early Scarlet Turnip.....	05	10	1 00
Early Scarlet Short-Top.....	05	10	1 00
Early Scarlet Olive.....	05	10	1 00
French Breakfast.....	05	10	1 00
<b>Squash</b> —Low's Essex Hybrid, new.....	\$0 10	\$0 15	\$2 50
Summer Crookneck.....	05	10	1 00
Hubbard.....	05	10	1 00
Marblehead.....	05	10	1 00
Butternut.....	05	10	1 00
<b>Turnip</b> —New White Egg.....	05	10	1 25
Early White Dutch.....	05	10	80
Purple Top Strain Leaf.....	05	10	80
Long White Cow Horn.....	05	10	80
Yellow Globe.....	05	10	80
Golden Ball.....	05	10	80
<b>Tomato</b> —Livingston's Favorite, new.....	10	25	60
Essex Hybrid, new.....	10	25	60
Ford's Alpha, new.....	10	25	60
Acme.....	10	25	60
Mayflower, new.....	10	25	60
Paragon.....	10	25	60
Livingston's Perfection.....	10	25	60
Trophy.....	10	25	60

**TRIAL COLLECTIONS.**  
To meet a popular demand, and at the same time to give  
an inducement for ever one who has a garden to order a  
trial package, we have put up some special collections at  
greatly reduced rates. These packages are made up in  
advance, and no changes whatever can be made in them.

**Collection No. 1** contains seventeen packets of  
Vegetable Seeds, worth at list price \$1.25, or a package each  
as follows:

1. Amber Cream Sweet Corn..... \$0 10
2. Crystal White Wax Bean..... 10
3. Cabbage, 18 varieties, mixed..... 10
4. Beet, mixed table varieties..... 8
5. Carrot, best varieties mixed..... 8
6. Cucumbers, best varieties mixed..... 8
7. Cauliflower, best varieties mixed..... 25
8. Turnip, best varieties mixed..... 6
9. Rutabaga, best varieties mixed..... 6
10. Onion, best varieties mixed..... 6
11. Lettuce, best varieties mixed..... 6
12. Radish, best early varieties mixed..... 6
13. Tomato, best varieties mixed..... 6
14. Muskmelon, best varieties mixed..... 6
15. Watermelon, best varieties mixed..... 6
16. Spinach, round leaved..... 6
17. New Golden Dawn Mango..... 15

Collection No. 1, as above, 17 pkts., worth \$1.25  
will be mailed to any address on receipt of 75 cents.

**Collection No. 2** consists of ten packets of choice  
annual Flower Seeds of our selection, a song which will be  
Antlers, Balsam, Pansy, Verbena, and a packet of "Wild  
Garden Flower Seeds." This collection of 10 packets by  
mail for 25 cents.

**Collection No. 3.**—For \$1 we will send Collections  
Nos. 1 and 2, and one year's subscription to "SEED-TIME  
AND HARVEST." This we call Collection No. 3, and we ex-  
pect ten thousand orders for it.

**Seed Potatoes—SPECIAL OFFER.** Four pounds from  
the following list, your selection, one or more varieties,  
will be sent by mail for \$2, or by express for \$1. Busnel and  
bureau prices will be sent on application.  
New Champion.....lb. \$2 50  
Early Sunrise..... 75  
Red Elephant..... 50  
Clark's No. 1..... 50  
The "Belle"..... 50  
Jordan's Profitable..... 50  
Brownell's Best..... 50  
Early Telephone..... 50  
White Star..... 50  
Wail's Orange..... 1 00

Send all orders to

## ARE YOU ALWAYS DRY?

**TOWER'S  
FISH BRAND SLICKERS**  
ARE THE VERY BEST  
**WATER PROOF COATS.**

**TOWER'S  
FISH BRAND SLICKERS**  
WILL NOT STICK or PEEL.

**TOWER'S  
FISH BRAND SLICKERS**  
ARE NOW USED BY EVERY  
**HORSEMAN & FARMER**  
WHO EVER GAVE THEM A TRIAL.  
None genuine without this trade mark.  
**A. J. TOWER, Sole Mfr.,  
Boston, Mass.**

**FISH BRAND SLICKERS**  
IN THE HARDEST STORMS  
**WILL KEEP YOU DRY.**

**TOWER'S  
FISH BRAND SLICKERS**  
are the only Coats  
made with Wire-Fast-  
ened Metallic Buttons.  
**EVERY COAT WARRANTED.**

For sale everywhere.  
**At Wholesale by all first-  
class Jobbers.**

## MAKE HENS LAY

immensely valuable. Nothing on earth will make hens lay like Sheridan's Condition Powders. Dose, 1 teaspoon-  
ful to 1 pint food. Sold everywhere, or sent by mail for 8 letter-stamps. **I. S. JOHNSON & Co., Boston, Mass.**

## GALVANIZED IRON GATES.

**COMPLETE, \$5 00 EACH.**

**"Wire Netting Fence," for Farms,  
Lawns, Cemeteries, Sheep, &c., cheap  
as barbed wire. If not for sale in  
your town, write for illustrations to  
the manufacturers,**

**E. HOLENSHADE,  
126 Lake Street**

**FARM & GARDEN IMPLEMENTS.**

The Planet Jr. Seed-Drill, Wheel-Hoe and Horse-Hoe are without an equal in the world. We have never before offered  
them so perfect, or in such variety, nor published so clear and full a Descriptive Catalogue of them. We guarantee it to interest  
every one who plants seeds or cultivates the soil. It is a beautiful descriptive work, of thirty-two pages, with over Thirty New  
Engravings, showing the tools at work among Onions, Beans, Celery, &c., and also contains a chapter on the proper Cultivation  
of Crops. Send your own address, and ten neighbors' most interested in Farming and Gardening, and we will mail it free.  
**E. L. ALLEN & Co., Patentees and Sole Manufacturers of the PLANET JR. GARDEN, Nos. 127 and 129 Catherine St., Phila., Pa.**







## THE STRAY LIST.

(Continued from page 15.)

Strays for week ending Feb. 14, '83.

Wilson county—J. C. Tuttle, clerk.

STEER—Taken up by J. M. Nash, in Chetopa tp, 1 red and white steer, 1 yr old, no marks or brands, valued at \$18.

PONY HORSE—Taken up by Z. Williamson, of Cedar tp, 1 bay pony horse, 2 yrs old, star in forehead, snip on nose; valued at \$25.

MARE—Taken up by Hugh Lockard, Jr., of Fall River tp, 1 bay mare, 2½ yrs old, 14 hands high, no marks or brands; valued at \$30.

STEER—Taken up by G. J. Green, of Center tp, 1 red and white spotted steer, red neck and white forehead, split in right ear, crop and underbit in left ear; valued at \$30.

STEER—Taken up by John McLaren, in Guilford tp, 1 white steer, 2 yrs old; valued at \$18.

STEER—Taken up by W. T. Barrett, of Center tp, one 2-yr-old red steer with blaze face, white under belly and underbit in right ear, no other marks or brands; valued at \$20.

Greenwood county—J. W. Kenner, clerk.

STEER—Taken up by J. E. Criswell, in Janesville tp, Dec. 15, 1882, 1 pale red and white spotted yearling steer, with crop off right ear, no other marks or brands; valued at \$14.

PONY—Taken up by W. W. Morgan, in Madison tp, Dec. 26, 1882, one sorrel horse pony, star in face and two white feet, branded J on left hip; valued at \$35.

Bourbon county—L. B. Welch, clerk.

STEER—Taken up by Alfred Blosser, of Timberhill tp, Dec. 7, 1882, one yearling steer, red and white spotted, neck mostly red, face mostly white; valued at \$14.

STEER—Taken up by Louisa Deeds, of Timberhill tp, one yearling steer, small size, red and white spotted, no marks or brands visible; valued at \$16.

Shawnee county—Geo. T. Gilmore, clerk.

STEER—Taken up by Geo. Wendel, Soldier tp, Nov. 27, 1882, one yearling steer, branded with L. W. on hip; valued at \$12.

Cherokee county—J. T. Veatch, clerk.

HORSE—Taken up by M. Brown, in Neosho tp, Jan. 2, 1883, one black horse with four white feet, star in forehead, white spot on each side, spavined in both hind legs, 9 or 10 years old; valued at \$30.

I will sell, privately.

## FOURTEEN BULLS.

of the following families: 2 Cruickshank Orange Blossoms, 4 Young Marys, 2 Aylesby Ladies, 1 Lady Elizabeth, 1 Annabella, 1 Milk Spring, 1 Phoenix, 1 Rosemary, and 1 Beauty. Prices reasonable. For catalogue and particulars, address

J. C. STONE, JR., Leavenworth, Kas.

## Farm for Sale.

One hundred and forty-three acres in Trumbull, Ashtabula county, Ohio, 6 miles from Rock Creek station, on A. &amp; P. R. R., and 10 miles south of Geneva, on L. E. &amp; M. S. R. R., and Gould's Nickel Plate R. R., within 2 to 3 miles of four villages, with postoffice, churches, stores, mills, shops, etc.; ½ mile to school. Southwest corner of cross roads, and in the great dairy district of Western Reserve. Good for grain, fruit or stock. Community first class. 30 acres timber; frame barn; good orchard; watered by numerous springs, a creek and 3 wells. Price, \$7,000. Cash, if desirable, give time on \$4,000 at 6 per cent. interest; or if suitable, will take live stock or land in Southern Kansas, or a stock of goods. Address, C. B. STREETER, Kiowa, Kas., or C. M. RICE, Sharon, Pa.

SAVE MONEY. SEEDS GOOD IN QUALITY. TRY OUR SEEDS LOW IN PRICE. Market Gardeners, Merchants, Farmers

and all others who have occasion to purchase seeds by pound, ounce and bushel. For price list and (set of 4) Comic Vegetable Cards, send your address on postal. JEROME B. RICE &amp; CO., (Cambridge Valley Seed Gardens), Cambridge, N. Y.



## PATENT CHANNEL CAN CREAMERY.

Deep setting without ice. Perfect refrigerator included. Suited for large or small dairies, creameries or gathering cream. Special discount on large orders. One creamery at wholesale where I have no agents. Send for circular. Agents wanted. Wm. E. LINCOLN, Warren, Mass.

Bidwell, Manchester, James Vick, Sharpless and over one hundred other

## STRAWBERRIES

for sale in large or small quantities. Also a full assortment of Raspberries, Currants, Gooseberries, Blackberries and Grapes, true to name and carefully handled and packed. New and promising varieties a specialty. Price list free to all applicants. T. T. Lyon, South Haven, Mich.

## Choice Farm for Sale.

A highly-improved farm, 3 miles from Manhattan, Kansas, 1½ miles from State Agricultural College; 70 acres under plow; 10 acres tame grass; 20 large bearing apple trees, 100 peach trees, 100 grape vines; currants, raspberries, pears, etc.; large stone house, 10 rooms, 100-barrel cistern at door; horse barn for 9 horses, carriage house, cow stable for 16 head; 160 feet of sheds 22 feet wide (board roof); large corn crib; pigery 80x20; 4 good wells, never-failing springs in four different places; well-fenced with board and wire fence. If taken soon will be sold at a bargain. Address CHAS. E. ALLEN, Manhattan, Kansas.

250 FINE OHIO SHEEP for sale; 5 miles north of 2½ Kellieley. Address, Thalman &amp; Conkey, Kellieley, Butler county, Kansas.

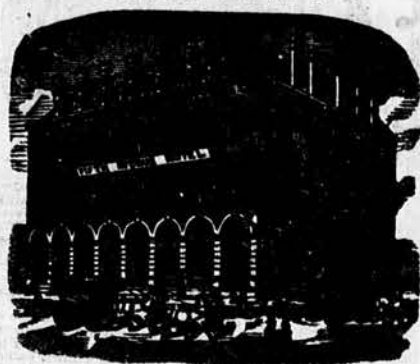
AGENTS can now grasp a fortune. Outfit worth \$10 free. Address E. G. RIDEOUT &amp; CO., 10 Barclay St., N. Y.

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When I say cure I do not mean merely to stop them for a time and then have them return again. I mean a radical cure. I have made the disease of FITS, EPILEPSY or FALLING SICKNESS a life-long study. I warrant my remedy to cure the worst cases. Because others have failed is no reason for not now receiving a cure. Send at once for a treatise and a Free Bottle of my infallible remedy. Give Express and Post Office. It costs you nothing for a trial, and I will cure you. Address Dr. H. J. ROOT, 123 Pearl St., New York.

E. HARRIS.

C. M'ARTHUR.

Fifth Avenue Hotel,  
TOPEKA, : KANSAS.Centrally Located. Good Sample Rooms  
\$2.00 PER DAY.HARRIS & MCARTHUR,  
Proprietors.IT LEADS!  
And Stands Unrivalled!LIVE-STOCK INDICATOR  
AND FARMERS' GAZETTE.

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SECTIONAL MAP and FULL particulars mailed FREE to any address byH. C. DAVIS,  
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St. Paul, Minneapolis & Manitoba R. R.,  
ST. PAUL, MINN.

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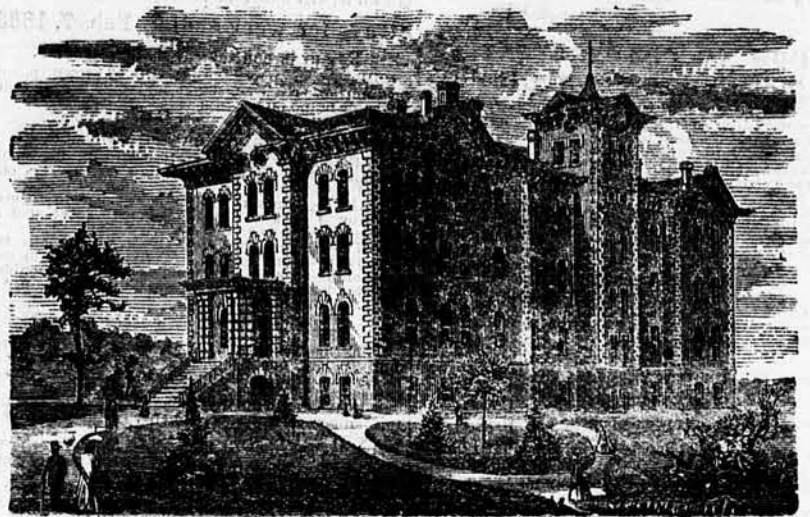
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To Rich Hill, Carthage, Neosho, Lamar, Springfield, Joplin, Webb City, Rolla, Lebanon, Marshfield, and all points in  
Southwest Missouri,To Eureka Springs, Rogers, Fayetteville, Van Buren, Fort Smith, Alma, Little Rock, Hot Springs, and all points in  
NORTH WEST ARKANSAS,To Vinita, Denison, Dallas, Fort Worth, Houston, Galveston, San Antonio, and all points in  
TEXAS and INDIAN TERRITORY.

All passenger trains on this line run daily. The Kansas City, Fort Scott &amp; Gulf Railroad line will be completed and open for business to Memphis, Tenn., about June 1st, 1883.

B. L. WINCHELL, Ass't Gen. Pass. Agt. J. E. LOCKWOOD, Gen. Pass. & Ticket Ag't.  
General Office Cor. Broadway & 6th.  
Kansas City, Mo.

## Red Cedars and Forest Tree Seedlings

We have the largest stock in the West of Red Cedars, Forest Tree Seedlings, Hardy Catalpa, Strawberry and Raspberry Plants. Write us for price-lists.  
Address BAILEY & HANFORD,  
On Ill. Cent'l R. R. Makanda, Jacksonville Co., Ill.

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