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#### Col. Harris' Stock.

The illustration herewith presented shows specimens of some of the best stock in the West. Col. Harris stands deservedly among the foremost stockmen of the country. His experience has been large and his success well merited. He is recognized as authority among breeders, and his honor we suppose no one will question.

Such a man could not be satisfied on low ground. He must be up among things that move. He is no laggard, and hence we find him at the front in his chosen field. His animals need only to be seen to be favorably judged. He does not handle inferior stock. We have just received a letter from him in which he says: "The four heifers of last importation, March Violet, Lavendar 32d, Gladiolus and Sorrel, reached home about December 1st, and fully sustain the reputation of the Cruickshank cattle for shape, style and fattening qualities. They were in Chicago during the Fat Stock Show; were greatly admired, and I had quite a number of handsome offers for them; but I thought they ought to be worth as much or more to Kansas than any other State, and they are safe in calf. In addition to these, Victoria 63d, Wry Lass 11th, and Victoria 69th have each given me a handsome heifer calf by Baron Victor, so that I now have 12 females of the Scotch blood, besides those that I already had, got by J. H. Potts & Jones' Duke of Richmond."



Property of W. A. Harris, Lawrence, Kansas.

#### Sorghum—Listing.

Editor Kansas Farmer:

In the FARMER I find a communication calling special attention to sorghum as a forage crop. So far as my experience goes I am somewhat in doubt as to its value, and wish for more light from some of your readers. I planted about an acre near my house and stables with lister and drill, cultivated twice, yield of green feed large. Fed two cows and ten rams almost constantly from time it was large enough until about the 10th of September. Also fed six horses with it largely during August and September. The hot winds of about the 10th of September, (Fair week,) caused what was left (quite a patch) to wilt and fall down. When it fell down it was growing; was yet green, too green I thought to cut up and put in shocks. After this it soured and was not relished by stock. I had fifteen acres planted in the same way somewhat later. This did not fall down during the "hot week," and I let it stand, thinking to feed it to sheep on the ground during the winter. I had great faith in being able to get a good amount of feed from the patch; but when the first freeze came along, down went the last stalk of it, flat upon the ground. The canes soured, and although my sheep nibbled at it, the thing with me is almost a complete failure.

Suppose I had cut it and stacked it up ever so nicely, would not the saccharine matter in the stalk have been turned into something little better than vinegar by the freezings of winter?

As green feed for summer it seems to be a

success. For winter fodder, my advice to brother farmers is to go slow.

As to listing, can say that I have tried it for two years, and on ordinary upland can raise about double the amount of corn with a given amount of work in that way than by the old method.

Have four narrow shovels made, for the ordinary two-horse cultivator, not more than 1½ inches wide and considerably longer than common shovels. Let two inside shovels down, that they may run along side the corn in the furrow. This they will do without covering up the corn. Let two outside shovels or "bull tongues" high up on the cultivator shank; put on two stout horses (they will need their strength) and rip up the ridge between the rows, deep. This can be done with those long narrow shovels without covering the corn. After once cultivating in this way it will be easy work to tend it in the usual manner.

I should have stated that the variety of sorghum planted was White African, a good grower, with stout canes and lots of seed.

XOX.

Gardiner, in his "Music of Nature," states that dogs in a state of nature never bark; they simply whine, howl and growl; the explosive noise is only heard among those that are domesticated. Sonnini speaks of the shepherd dogs in the wilds of Egypt as not having this faculty; and Columbus found the dogs which he had previously carried to America to have lost their propensity for barking.

#### From Lincoln County.

Editor Kansas Farmer:

We, of Lincoln county have our ups and downs peculiar to the pioneers of the great west; now a dry season, then a dryer one, with once or twice in a decade one that has moisture enough to pay the farmer for his outlay, in grain and vegetables. Corn, potatoes, and nearly all the vegetables we raise, must be planted early, and have the best of cultivation, to ensure a good crop. Irish potatoes and corn, in particular, should go into the ground early. Potatoes should be dug before they take a second growth, or bake in the ground. After a residence here of 13 years I am satisfied that we are too far west, too near to the sandy belt of land to depend on raising grain for a livelihood. If farmers wish to prosper, they must raise cattle or sheep; for this business, this is one of the best places nature has provided. I can mention many in our county who are on the high road to fortune in the cattle business. Some commenced by taking sheep on shares; in this way they have a flock of their own in a short time. Yet many of us hold to raising grain, never sure of a good crop, and much elated when we have one. We came here from eastern States with little knowledge of western Kansas. On seeing such rich land, it was natural that we should commence by trying to raise grain; but after many failures we must turn to stock for our main support.

The most of us had a good crop of grain the past year, yet we must judge the future by the past, and act accordingly.

Syria, Kas., Jan. 1, 1883,

C. C. PAGE,

The wonderful provision of providence is signally manifested in the traveler's tree of Madagascar. It has a stem resembling that of a plantain, and sends out leaves on two opposite sides like a magnificent open fan. As the stem grows the lower leaves drop off. There are twenty or twenty-four leaves to a tree, and each leaf is six or eight feet long. The fruit is not succulent, but the leaves are much used for thatch and many other purposes, the leaf stalks for partitions and even the walls of houses. The most wonderful property of the tree consists in these leaf stalks, which always (and even the driest) contain water which is always pure and pleasant, more than a quart being easily procured by simply piercing the thickest part of the base of a leaf stalk. And that is why it is called the traveler's tree.

Some Frenchmen who had landed on the coast of Guinea found a negro prince seated under a tree, on a block of wood for his throne, and three or four negroes, armed with wooden pikes, for his guards. His sable majesty anxiously inquired: "Do they talk much of me in France?"

A parrot which died the other day in Quebec had for some years amused the family and its friends in three languages, English, French and German. He recited long quotations from Shakespeare and other writers, and was a very remarkable bird generally.

They say you can't freeze a cat. But then you can try the other extreme and make it



## The Stock Interest.

### Raising Sorghum for Feed.

Editor Kansas Farmer:

I have had so many enquiries about the mode of raising and curing sorghum for feed that I will give my experience through the FARMER; supposing that every stock man reads it, and if they do not I think they should do so.

I do not write because I think my ways are superior or that I am smarter than other people, quite the reverse, and I do not know of any better method of getting the opinion and experience of shrewd men than to aggravate them by telling them what little I know.

Sorghum is my favorite feed for stock of any kind. I can raise more feed per acre than I can of anything else. It is a little troublesome to handle, especially when it grows large. The seed is almost or quite equal to Indian corn and more oily. It does not spoil like other crops if it is not cut in time, or taken rain when in piles and spoil like hay, or get moldy.

The first sowing was done June 20th, 1879, on well cultivated ground—(my farm is sand soil—). It grew thick and fine—(6 acres.) I put it in with the wheat drill, three-fourths bushel per acre; and eight acres July 5th, one-half bushel measured seed or 30 pounds per acre, and one acre in drills three feet apart July 3. My ground was all in good condition and the cane grew very rapidly and was covered with leaves to the ground. I commenced cutting the first sown when the first heads were coming out of the boot. I used my self-raker and after it had lain six to eight days I bound and shocked it in large shocks. By the time I got to the second sowing the heads were all out and most of them well seeded. I put this up the same as the first. It was much coarser and taller than the first. I then cut and shocked the one acre of drilled which was ripe by this time and full seeded.

When it came feeding time, I fed out of the first two pieces in turns, and I found my sheep and horses ate the last cutting much the best. I had no intention of feeding the large cane that had been cut late as I supposed it was too coarse for either sheep or horses, and I drew some of it to the yard for my cow and chickens. I soon found that the sheep and horses ate it much better than the fine cane, although the fine cane was greener and less weather beaten, and especially the shocks which had been torn down. I examined the three lots and found the first cut that was fine and leafy had little or no sap, the second had more and sweeter sap, and the third and coarse cane was far superior to either of the others both in amount of sap and sweetness.

I concluded that I had cut the first two pieces too green, and the dry season had dried all the substance out of the small tender stalks.

The next season I sowed one-half bushel to the acre, sowing mostly after the 20th of June, and as late as the 25th of July. The last, by mistake, on three acres we got one and one-half bushel per acre. It never amounted to much but leaves. Some of my seed sown broadcast did not come well, and the cane grew coarse. I cut with mower when the seed was ripe and raked and put up in large piles the same as hay. A portion had fallen down and we could not mow nor rake it. A part of it we rolled down, and a part we let stand. I found that my stock ate that in piles much better than that in stacks, and the part rolled down retained its seed standing, and our sheep ate it much better and wasted less of it.

The past season we had 80 acres sown from June first until July 28th. Some

was mown early and laid on the ground without raking for more than a month, and raked and bunched. A portion was cut immediately after the heavy frost and then bunched soon after. Another portion was cut down two weeks after the frost and lies in the gavel, the wild geese and birds having taken most of the seed which seems to be the best part. The last two weeks we have been hauling and feeding of all the different cuttings. That which was cut first with millet and bunched green my stock cares but little about. What was cut and bunched immediately after the frost is the best feed I have, and I am of the opinion that the correct method of curing for winter use is to cut before frost or as soon as the seed is hard, and after it wilts sufficient throw it in large piles and let it remain until it is needed for use; and if it is to be left without cutting I would roll it down flat.

I would like to hear from others who have had experience in raising for feed.

W. J. CALVIN.

Larned, Jan. 25, '83.

### The Hodgson Horses.

We had a notice prepared for last week's paper to accompany the picture of Chartres, one of E. D. Hodgson's magnificent stallions; but by some accident or mistake the manuscript was lost or mislaid, and the matter was not put in type. We regret it because we desired to have the notice appear in the same issue that contained the illustration. Mr. Hodgson is a practical and experienced breeder. He takes to it naturally as a duck does to water. He began when young and poor. He bred common mares to pure bred stallions and learned how to breed for the best results. His success was in the line of his ambition, and he began to import horses for his own use. As time passed by he added to his numbers until now he is doing an extended, and as we believe, a strictly honorable business. Last year he went to France and selected in person a lot of animals from the best Norman blood, and brought them over with him. They are now on his place at El Paso, Illinois, and are said by competent judges to be as fine specimens as are to be found in America.

Mr. Hodgson, intending to be up with the times, and desiring to accommodate the growing demand for heavy horses, has supplied his stables with large importations of Clydesdales fresh from their native yards in Scotland. So that, any of our readers who wish to invest in pure Normans or Clydesdale horses, may find it to their interest to correspond with Mr. Hodgson or visit his premises and look at his animals.

### Breeds of Hogs Compared.

Editor Kansas Farmer:

In a late issue of your paper some gentleman signing himself H. P. G., under the heading "Knowledge Pays," passes a glowing eulogy upon the Jersey Red hog. What there is about that brute to suggest our friend's heading "Knowledge pays," I cannot imagine. An animal with coarse bristles, and coarser bone, elephant ears, a repulsive head, and an abundance of souse generally, and often a swayback to further distort his figure—I see in his form or color nothing to suggest beauty or "knowledge." Size is his only redeeming quality, but maturity comes too slow for the average farmer. It will require, I think, a fabulous amount of special pleading to bring this hog into general favor so long as the Poland Chinas and our modern Berkshires are his competitors. If it be true that the modern Berkshire "inherits all of his good qualities from the Jersey Reds," it does not prove that the latter hog is a desirable breed to introduce generally, but it does confirm what the intelligent stock owner already admits that by judicious crossing we often get a better animal than either dam or sire, and if our Berkshire inherited all of his many good qualities from the Jersey Reds, the cross evidently took the cream and left

the skim milk. The Berkshire surpasses the Jersey Red hog, in a small erect ear, which does not obscure his sight, in the light offal, early maturity and in symmetry of form. I do not believe the Jersey Red hog is more healthy than the Berkshire or the Poland China. Certainly the reason given—"their exemption from disease is their purity of blood or race" is off; breeding in does not give vitality, but tends to degeneration.

As respects the "ancient origin of the Jersey Reds," I fail to discover any merit in that. If there is, the wild hog of the forest excels him as he does, also, very slightly, in bone and bristles. If H. P. G. instead of giving mammoth weights, will prove that the Jersey Red hog will take on from three to five hundred pounds of flesh sooner upon less feed than the Poland China, or when fattened gives sweeter meat than the Berkshire, such evidence will go far towards bringing his hog into general favor.

The demand of the age is early and profitable results; a good feeder and a quick grower, giving abundance of good meat; and I know of no hog, everything considered, that meets that demand more satisfactorily than the Poland China when he has been well bred, or the Berkshire and its crosses. A hog weighing from seven to nine hundred is not usually desirable. Such animals are very difficult to handle, and, if a brood sow, is sure to destroy her young by stepping upon or over laying them. For many reasons the average farmer prefers a medium hog of quick growth, moderate bone, gentle habit, a good feeder, that will be ready for the shambles at all times and is quite willing to let those who are able and who love to work for glory give the mammoth weights.

H. A. ENSIGN.

Newton, Jan. 10.

### About Salting Calves.

Editor Kansas Farmer:

I was a little surprised to read remarks of the FARMER in reply to J. R. Gooding's query about his neighbor's cows. I take issue with the FARMER and will say that cows and other cattle will eat the bagasse or corn stalks which have been chewed by hogs, and I think it well established that it will cause "mad itch," and that it is very dangerous to allow cattle to run where hogs are fed green cornstalks. I have seen a good many cattle to die of mad itch that had eaten cornstalks, after having been chewed by hogs and never under other circumstances.

I believe but few farmers know that salt will kill young calves, so I will give my experience. I salted a cow in a box. Her calf took probably a teaspoonful or more, commenced licking out its tongue which soon turned pale or white, and it continued to lick out its tongue for three weeks without intermission. In about twenty-four hours it commenced to walk around to the left and was soon entirely blind and remained blind from April till the latter part of October when it regained its sight, apparently in one night. I called in Professor Detmas vet. surgeon of Ill. Agricultural University who can verify the above.

The next case I had here, a small mackerel was soaked in half a gallon of sweet milk; the calf drank about a quart of it; next day it was blind and appeared to have no sense, and before night had fits and died.

As so few know that salt will produce brain disease of young calves I hope this may be of advantage to some of the many readers of the FARMER.

LaCrosse, Kas.

RUSTIC.

P. S. Since writing the above had a hog eat about heaping tablespoonful of salt and in two days it was turning around to the left and when alarmed had convulsions, tetanus or lock jaw and died.

### Voluntary Tributes of Gratitude for Benefits Received.

DEAR SIR,—Please allow me the privilege of giving my testimony regarding the wonderful curative properties of your invaluable medicine, Hunt's Remedy. During the past six or seven years I have been a great sufferer from Kidney disease, and during a great part of the time my sufferings have been so intense as to be indescribable. Only those who have suffered by this dread disease know of the awful backache, and pains of all kinds, accompanied by great weakness and nervous prostration, loss of force and ambition which invariably attend it. I had all these troubles intensified, and was in such a bad condition that I could not get up out of my chair except by putting my hands on my knees, and almost rolling out before I could straighten up. I tried the best doctors, and many kinds of medicine, but all failed to help me, and I experimented so long endeavoring to get cured that last spring I was in very poor shape, and in seeking for relief my attention was directed by a friend to the remarkable cures of Kidney diseases, etc., which were being accomplished by Hunt's Remedy. I was induced to try it, and began to take it, and very soon "limbered up" as it were; my severe backache, and the intense pains I had suffered so long speedily disappeared, notwithstanding I had been bothered with this complaint so many years.

When I began to take Hunt's Remedy I was considerably run down in my general health, and suffered also from loss of appetite. Ever since I have been taking the Remedy, however, my improvement has been most marked; my former complaints, aches, pains, etc., have disappeared, and I now feel like my former self, hale, hearty, and sound in health. I shall always keep Hunt's Remedy with me, and would most earnestly recommend all those who are sufferers from Kidney or Liver diseases, or diseases of the Bladder or Urinary Organs to use Hunt's Remedy, and take no other.

Yours very truly,

HENRY H. SHELTON.

No. 280 Westminster St., Providence, R. I.

"In the lexicon of youth, etc., there is no such word as Fail." That "lexicon" is now found in the laboratory of Hunt's Remedy. It knows no such word as—Fail.

A NOTE BY THE EDITOR OF THE BOSTON GLOBE.



Mrs. Lydia E. Pinkham.

The above is a good likeness of Mrs. Lydia E. Pinkham, of Lynn, Mass., who above all other human beings may be truthfully called the "Dear Friend of Woman," as some of her correspondents love to call her. She is zealously devoted to her work, which is the outcome of a life-study, and is obliged to keep six lady assistants, to help her answer the large correspondence which daily pours in upon her, each bearing its special burden of suffering, or joy at release from it. Her Vegetable Compound is a medicine for good and not evil purposes. I have personally investigated it and am satisfied of the truth of this.

On account of its proven merits, it is recommended and prescribed by the best physicians in the country. One says: "It works like a charm and saves much pain. It will cure entirely the worst form of falling of the uterus, Leucorrhoea, irregular and painful Menstruation, all Ovarian Troubles, Inflammation and Ulceration, Floodings, all Displacements and the consequent spinal weakness, and is especially adapted to the Change of Life."

It permeates every portion of the system, and gives new life and vigor. It removes faintness, flatulency, destroys all craving for stimulants, and relieves weakness of the stomach. It cures Bloating, Headaches, Nervous Prostration, General Debility, Sleeplessness, Depression and Indigestion. That feeling of bearing down, causing pain, weight and backache, is always permanently cured by its use. It will at all times, and under all circumstances, act in harmony with the law that governs the female system.

It costs only \$1. per bottle or six for \$5., and is sold by druggists. Any advice required as to special cases, and the names of many who have been restored to perfect health by the use of the Vegetable Compound, can be obtained by addressing Mrs. P., with stamp for reply, at her home in Lynn, Mass.

For Kidney Complaint of either sex this compound is unsurpassed as abundant testimonials show. "Mrs. Pinkham's Liver Pills," says one writer, "are the best in the world for the cure of Constipation, Biliousness and Torpidity of the Liver. Her Blood Purifier works wonders in its special line and bids fair to equal the Compound in its popularity."

All must respect her as an Angel of Mercy whose sole ambition is to do good to others.

Philadelphia, Pa. (2) Mrs. A. M. D.

### Out of Debt: Happy Homes

Jefferson county, Kansas, don't owe a dollar. Map, statistics, price of land, etc., free. Address Metzger & Insley, Oskaloosa, Kas.



## The Poultry Yard.

### The Advantages of Brahmas.

In the December number of the Farmer's Magazine we find the following:

For winter laying, the Brahmas are unexcelled, whether the variety used are light or dark. The reason for this is not so much in the propensity for laying, as in the natural protection afforded by nature to these breeds over all others. As we have always maintained the philosophy that the animal system must be provided with a proper degree of heat previous to the exercise of egg production, we have no difficulty in discovering why we may expect more from Brahmas in winter than from other breeds. In the first place, the Brahma has a very small pea comb, and this is a very important point in winter, for the combs of most fowls are liable to be frosted should the weather be severe. Now, we wish to impress on our readers the important fact that when a fowl becomes frosted in the comb it stops laying until the injured parts are thoroughly healed. Such loss of time and eggs, occurring in winter, entails a loss at a time when the hens should be the most profitable. Hence the advantage of the small pea comb is one of revenue, and although the Brahma does not excel many of the other breeds in the number of eggs in a year, the winter laying places this breed among the best that we have. There is more to be said in numbering the advantages possessed by the Brahma. Among them is the heavy feathering. The fluffs and thick covering shield this breed completely, and even under the wings the fluffs are thick. One can easily notice this by raising the wing of a Brahma and Leghorn for comparison. The Leghorn will be naked under the wing, the flesh showing clearly, but the skin of the Brahma cannot be seen by the exposure, as the fluffs are there to protect it.

It may be said that the Cochins, Plymouth Rocks and some other breeds are protected with heavy feathering also. This is true, but while protected on the bodies, the combs are tall and exposed. The Brahma is protected in every quarter, and the result is that they often lay in cold weather, when other fowls do not. If we will notice a Brahma chick we will observe that they remain naked for quite a long period, some of them having the appearance of being picked. It is just there that another advantage may be noticed, for the fowl, by feathering gradually and slowly, does not suffer that terrible strain on the system that inflicts fowls that feather in a short time. Consequently they are hardy, easily thrive, and seem to undergo more hardships than any other breed. They also grow to large size, make good capons, and present a fine marketable appearance.

### The Spider Louse.

[The following letter is dated July 5, 1882. It was received at this office in due time, but was mislaid and found again only a few days ago. The subject is important, and we give the letter now.—Editor FARMER.]

Editor Kansas Farmer:

In your issue of July 5th, appeared an article from M. S. Heath, of Fontana, on the Spider Louse in poultry houses, in which he claims to be unable to get rid of these pests. He says they will live and get fat in carbolic acid. I am afraid he has not given the acid a fair test, or else he has diluted it until the solution was too weak for any use. As I have had some experience with these pests I will tell him how I got rid of them. In 1879 while breeding Dark Brahmas I got some hay to make a nest to set a hen on, but did not notice that the hay had the spider louse in. About ten days after setting the hen I found her off the nest and the eggs

cold. I put her back on the nest, but she would not stay there, and I commenced investigating and found the cottonwood board forming the front of the nest to be literally covered with the lice. I also found them scattered around in different places. I took out the nests and burnt them, closed the house up tight and gave it a good fumigating with sulphur for about four hours. I then gave it a good coat of whitewash and thought I had the little pests routed, but the very next day I found them still there apparently enjoying themselves as well as ever. I then got some crude carbolic acid and putting a large boiler full of water on the stove, heated it boiling hot; into this I put a good lot of the acid and taking a sprinkling can, thoroughly saturated the sides and partition and dirt floor of the coop and splashed it into all the corners and cracks of the roof, then closed the coop up tight and left it until next morning, when, on opening it, I could not find a single live pest. I gave it another coat of whitewash boiling hot with lots of the crude acid in and was never troubled with the pests in that coop again and I used it three years, giving it a cleaning and whitewashing every three or four months. About two weeks ago I found some of these pests in a coop I had built in one corner of my stable. I put coal oil on the roosts, removed them and set them afire, afterwards put them back and the next day found the ends of them alive with the little pests again. I got a quart bottle of crude carbolic acid and saturated the roosts and sprinkled all around the coop and have not found a louse since; and by sprinkling a little of this acid in its crude state around the coop frequently they will not reappear. Mr. Heath will find that this spider louse, as any other living thing cannot get healthy if he will feed them well on good crude carbolic acid. Before closing allow me to ask Mr. Heath if he does not think that these little pests that he could not get rid of did not have something to do with the bad result with the eggs he got from Geo. F. Pitkin? This well known breeder enjoys an enviable reputation as a breeder and a business man, and that part of Mr. Heath's article condemning him does not read well in comparison with the part in regard to the spider louse when he says he was unable to get rid of them or raise any of his standard Plymouth Rocks.

R. N. NYE.

Leavenworth, Kas.

### White-Faced Black Spanish Fowls.

Editor Kansas Farmer:

The Spanish fowl was introduced to the American fanciers from England about the year 1850. Since that time this breed of fowls have been greatly improved in America as well as in foreign countries. When introduced, pure white faces free of red spots and blotches, were unknown. But by judicious breeding red and pink spots on faces of the Spanish fowl of to-day are disqualifications.

The characteristics of this fowl are the white face and ear lobes, red single combs, jet black plumage and leaden blue legs. In first-class birds, the white face should extend over the eye, joining the comb above, extending from there in even form to the beak and joining the wattles in front and the large white ear lobe below, which must hang free, being well expanded; the general outlines from the beak backward and down to termination should be of an unbroken graceful circle.

If the specimen should be found free of red spots and free of wrinkles and folds on face it should be judged perfect and allowed 20 points. This being one-fifth of all the points of merit to this breed, it will be seen that the head and face are very important. Besides face and head, we have ear lobes, wattles and comb. These three points make 23 points more if perfect, and we then have 43 points of merit thrown away in the head, when taken in the shape of a pot-pie.

The plumage should be of metallic black, blue legs, carriage upright and proud. A bird that would be perfect in these points and also in the other small points not named, such as size, condition, neck, back, breast, body, wings and tail, would be counted 100 points or perfection. There has never been a perfect bird raised yet and probably never will be, from the fact that as soon as we breed anywhere near our ideal of perfection we again raise our standard. Eighty-five points being the lowest a Spanish can

score and win 1st premium, a bird that makes that score can be called a good one.

The Black Spanish fowls, for real merits and usefulness, have won and still hold the cake as the egg-producing fowl of the largest egg laid by any breed of chickens. In point of number there are breeds that produce eggs as many in number, but in size only larger than bantams' eggs.

As a table fowl they are not a success when judging from popular opinion, as it is almost an universal opinion that their bones and flesh are black. This is a grave error, for they have clear, white flesh, of juicy and fine flavor.

For ornamental purposes they are the most beautiful of any breed and are bred to a very high standard at the present day. I showed 21 specimens at the Kansas State Poultry Show at Topeka last September and my old pair scored 90½ and 91½ points and being out of feather at that time. This being the highest score of any pair of birds, land or water, at this show, winning for me 21 regular and special premiums. This speaks well for the standing of this breed when compared with the popular Asiatics, Games, Plymouth Rocks, &c., &c. The few specialty breeders of Spanish who have stayed with this breed for years in spite of the changes and caprice of fashion speak well of the White-Faced Black Spanish fowl.

Geo. H. HUGHES.

## 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.

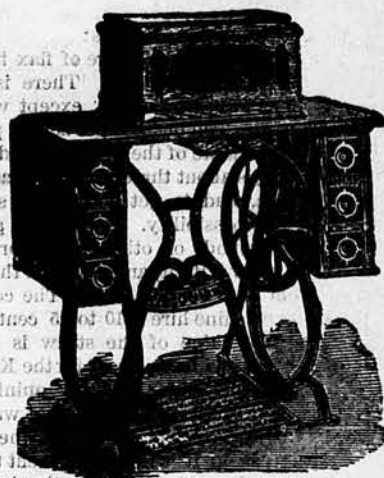
The genuine SMITH'S TONIC SYRUP must have DR. JOHN BULL'S private stamp on each bottle. DR. JOHN BULL only has the right to manufacture and sell the original JOHN J. SMITH'S TONIC SYRUP, of Louisville, Ky. Examine well the label on each bottle. If my private stamp is not on each bottle do not purchase,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

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No other disease is so prevalent in this country as Constipation, and no remedy has ever equalled the celebrated Kidney-Wort as a cure. Whatever the cause, however obstinate the case, this remedy will overcome it.  
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Acres of timber and prairie  
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**SOUTHWEST IN MISSOURI**

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ILLUSTRATED  
DESCRIPTIVE AND  
**SEED CATALOGUE**  
FOR 1883.  
Will be mailed FREE to all applicants, and to customers of last year without ordering it. It contains about 175 pages, 600 illustrations, prices, accurate descriptions and valuable directions for planting 1500 varieties of Vegetable and Flower Seeds, Fruits, Fruit Trees, etc. Invaluable to all, especially to Market Gardeners. Send for it!  
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## Correspondence.

### Extracts from Letters.

We have a large number of good letters on hand, but, as we cannot publish all of every one, we give the following extracts which convey the leading ideas contained in the correspondence:

On flax culture, A. B. says:

I have observed the culture of flax in this State for the past six years. There is very little money in its culture, except what a man puts in. Ten bushels per acre is probably a fair estimate of the average yield. The cost of seed is about three-fourths of a bushel per acre, and to get good, clean seed is almost an impossibility. It must be grown on clean ground, or other and worthless seed will grow with it, and discount the flax seed from 5 to 40 per cent. The cost of threshing machine hire is 10 to 15 cents per bushel. The value of the straw is something; it makes a lasting roof for the Kansas barn (or shed.) As for feed, my opinion is that it about equals prairie hay that was cut after the frost, except so far as the little seed there is in it will be a benefit to the stock. I don't want any money that is made by growing flax. I am of the opinion that one acre of corn, or wheat put in as P. H. Smith says he puts his wheat in, and with the same success, would be more profit than ten acres of flax.

T. F. Sproul, Frankfort, Marshall county, writes:

Corn is most all gathered and at least half of it sold. Before the holidays the elevators were deficient in capacity, and corn was piled around them in huge heaps. The grain men could not get cars, consequently the market was blocked for a few days.

But little wheat was sown in this county, and that does not look well. Too little snow and too much frost are the causes.

Horses and cattle look fine, and stalk-fields are, as is proven by comparing the condition of stock last winter with this winter, much better to winter upon than prairie hay. Many tons of good prairie hay will not be needed and none of this article is being shipped.

There are several nice flocks of sheep in this county, and they look well. I am satisfied that money invested in sheep, well cared for, would make handsome returns.

J. F. Gish, Stafford, says:

While in Reno county, recently, a gentleman informed me that he had never failed to raise a crop of potatoes since he has been in the State. He invariably mulches; and in the fall when he digs his potatoes, he sorts them, taking all of the best ones, and then plants the small ones, and throws the mulching back again. He has never lost his seed by freezing, and has potatoes about three weeks earlier than his neighbors that plant in the spring of the year. He has raised good crops when the mulching was so deep that the tops of the potato did not get through; thereby getting away with the bugs which were waiting for them.

Jew, of Danville, Harper county, says:

We have found out one thing that we did not know. That is, just how many whisky Republicans there are in the ranks. We will never give up, till temperance prevails. The winter has been very pleasant; the wheat crop looks very promising. There has been a great immigration to this county this fall and winter. Danville is building up very fast—is quite a town.

Henry Butler, of Douglass, writing about monopolies, and scolding farmers for their carelessness, says:

I want some of your readers to tell me who is to blame, the men that make those tyrannical laws that are oppressing the farmers, or the farmers that put them there by their votes and then curse them for not making laws in your behalf. Any set of men that will be instrumental by casting their votes for such men are blockheads. The damnable army of middle men that stand between the producer and the manufacturer, is living sumptuously off our earnings, while the farmer grovels along, toiling from 4 o'clock in the morn till after dark, and is hardly able to buy of the merchant a decent suit of clothes. He lives like a dog, whilst all this

class of men that I have spoken of live like fighting cocks.

D. S. Abbot, Kirwin, Phillips county, says:

It is astonishing what a difference a good corn crop makes in the appearance of the hogs and horses of a country. I see correspondents are talking up the lister ("ditching machine," as one of my neighbors calls it.) Those that use them here, like them I believe; but on side-hills the heavy rains washed the corn out badly and carried off all the loose dirt last spring. They are undoubtedly the thing on level land. We are looking anxiously for ensilage experience from those who are feeding it this winter. I have been making sorghum and used straw for fuel largely, with very satisfactory results. I built my furnace with a shute on each side near the front, feed in at these shutes, pushing in a wisp that you can gather up in your hands at a time and follow up as you do with the crushed sorghum when it is dry. I like it much better than wood. The pomace is the fuel when dry, but have the straw ready when it is not. I would like to know what evaporator is the best. Are the self-skimmers a success?

J. T. Smith, Lincoln, Lincoln county, says:

I regard the letters in the FARMER, giving experiments and results, as of great value. But many of your correspondents give only the name of their postoffice, and not the county. This detracts much from their value, for many postoffices in our State are new, and many of your readers are not acquainted with the locations of many of the older ones. It would be a great convenience, to many of us, at least, if your correspondents would give name of county. I think our best corn-raisers are agreed that early and deep planting (perhaps listing) is the best. Stock-growing is fast becoming the principal business of our county. Sheep and cattle take the lead, and the improvement of our horses is receiving some attention. The Lincoln County Clydesdale Company has, we think, as fine a draft horse as the State owns—imported Prince of Tyne. He is a magnificent horse, having cost the company nearly \$3,000. I want to ask information about Russian mulberries and Johnson grass. I only want to enquire what enterprising nurseryman has the mulberry for sale, and price, or what kind-hearted and generous farmer will volunteer to supply a few twigs, layers or roots, for a little advance over cost of preparing, boxing, or mailing, etc.? If they are anything near what they are recommended to be, I should like to give them a trial.

Be Careful!

Editor Kansas Farmer:

Now is a time when it is proper to repeat the injunction to the shepherd, "Be careful!" A few days' carelessness now may result very disastrously to the flock master in the near future. "An ounce of preventative is worth a pound of cure," as truly on the sheep-farm as anywhere else in the world. If a ewe commences to lose flesh and vigor now, no telling where she will stop. As the winter weather comes on, she will naturally become less able to recuperate or make back the lost flesh. Besides this, she has to have the health and vigor necessary to develop her offspring, without which it, also, will be lost. Some men have an adaptation to the handling of stock of which others seem deficient. The merits of a good breeder are bound to come to the surface at this time of the year. His stock go into the winter looking so nice and plump that you wonder, if you are not a breeder, how he has done it. The other, though quite successful with his flocks during the summer having taken his flocks in good condition, begins to show his inexperience or lack of success as the cold of winter comes on. We could tell of men who have learned, by the most bitter experience, what they had failed to learn in a more satisfactory way; and who will tell you that they are glad they have acquired the requisite knowl-

edge, though paying for it a high price. They will now make money. When they entered the business, they only lost money. The labor of caring for a thousand healthy animals is no more than the labor of taking the needed care of a hundred sick ones; and the satisfaction is in proportion.

I will cite a case which came under my own observation last spring. A man in my neighborhood thought to take to himself some of the care, as well as profits of sheep-raising. He went to some considerable preparation as to shelter, procured a flock to handle on shares, and went to herding and feeding. The sheep were taken in an unhealthy condition, and, owing to his lack of knowledge what to do for them, commenced to die. Getting enough of the sheep business in less time than he had spent in preparation to undertake it, he went to the owner and gave up his flock. Of course he lost his feed and time, as well as the other expense he had been at. He will now follow some other business than that of wool-raising. The dipping-trough may look rather insignificant to him. No wonder! Ness City, Kan. JOHN H. WOODEN.

### A Fragment.

We roam'd the sandy beach; around us spread  
The halo of September; in the air  
A dreamy languor, while the ebbing sea  
Did kiss his farewell to each dimpled ridge,  
And whisper promises of sweet return  
In lonely hours, when mortals are asleep.  
Three were we, brother, sister, and a friend  
In spirit dear to both, though he that day,  
And not before, did look into her eyes.  
Our talk was bright, and rippled with the play  
Of fancy and affection link'd in one.  
Our joys from books and nature we compared,  
And felt them kinder warmer in the telling.  
Then, as from calm retreat and vantage-ground,  
Pass'd in review life's battle, pomp, and woe.  
Thus one, despising the shell-dappled plain:—  
"The sandy shore is dull; no roaring waves,  
No crags, defiant silence frowning back."  
"Nay," came response, "our deepest, holiest thoughts  
We do not bellow blatant to the skies.  
The sea hath other things to do than roar.  
On dizzy cliffs the spirit folds her wings,  
And shuddering, crush'd, bewild'rd, fears  
to soar.  
By awe depress'd, we're quicken'd by repose."  
Thus topics shifted, strung on golden thread  
Of happiness; till coldly each 'gan feel  
The crowding moments, for our time was brief.

And from that on, our talk's spontaneous flow  
Was choked with pauses full of sweet regret  
That life was not all one September day  
And happy intercourse of buoyant souls.  
Then hands were clasped, and the softening light  
Grew deep to tender sadness in our eyes;  
And then we parted, and the sun went down.  
—John W. Joynst. in London Athenaeum.

James Truey, who was hanged for murder at Chicago, some time ago was a gambler. These were his last words:

The hardest of work, if honest, is not as tiresome as the idleness of an outlaw. The laborer never feels his work as does the man who makes his living by the "simple turn of the wrist."

I sincerely hope that my fate and these words may prove a warning to young men who are cheating themselves with the idea that there can be any peace, happiness, or prosperity in a crooked life.

A watchman in one of the Nevada mines, having no watch, borrowed one for a night and on returning it next day said that he had made a timekeeper of his own. He unrolled a strip of paper, on which he had marked, as they arose above the horizon, all the fixed stars within a narrow belt, and opposite each was the time of its appearing. The slip ran on two small rollers in a box, with a sliding lid of glass. As the night wears away and the stars pass over, he can turn a crank of his watch and look at the time marked,

Wet a piece of thick wrapping paper, then dry near the stove. While dry lay it down upon a varnished table or dry woolen cloth and rub it briskly with a piece of India rubber. It will soon become electrified, and if tossed against the wall or the looking-glass will stick some time. Tear tissue-paper in to bits one-eighth of an inch square and this piece of electrified paper will draw them.

In every tobacco factory in Key West, Fla., there is a "reader." Cubans cannot talk without gesticulation, and in order to keep them from talking a person is hired to read aloud to them during working hours.

## NEARLY 1,000

RECORDED PURE BRED

## Percheron-Norman Horses

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M. W. DUNHAM,

OAKLAWN FARM,

Wayne, Du Page County, Illinois.

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, (250 since July 1st.)

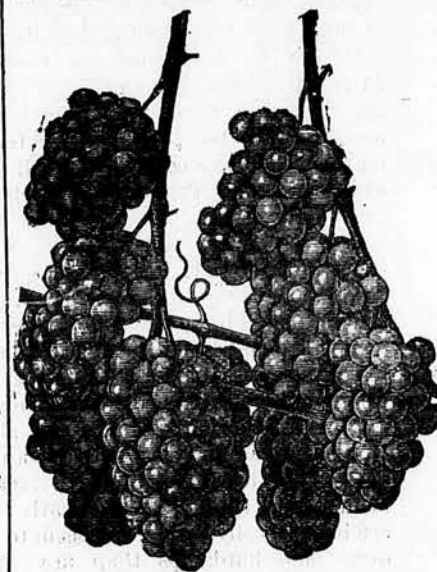


Being more than the combined importations of all other importers of all kinds of Draft Horses from Europe for any previous year; and more than have ever been imported and bred by any other man or firm during their entire business career.

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



THE NEW WHITE GRAPE

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Rockington, Moores Early, Worden, Early Victor, Vergennes, Duchesne, Jefferson, Lady an all other sorts, new and old. Also, Fay's New Prolific Currant, fruit trees, small fruits, etc. Send for Price List to Wilson & McFadden, Atlantic Iowa.

## SUMMIT STOVE-PIPE SHELF.

Improved extension Just Patented.

AGENTS WANTED.

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Full particulars and lots of Agents' reports, showing quick sales and large profits, free. No freight or boxing charges to Agents. Address at once and secure choice territory free.

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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, Brass Cylinder Pumps. Catalogue free. CHALLENGE WIND MILL AND FEED MILL CO., Batavia, Ill.



# 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 126 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

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

## GARDEN AND FIELD SEEDS,

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,

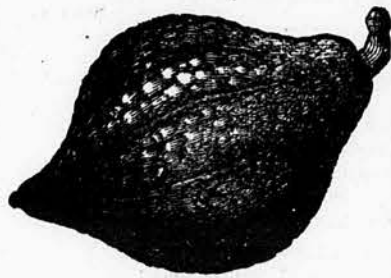
The Southern Kansas Seed House,

Augusta Kansas

PATRONIZE HOME INSTITUTIONS.  
**KANSAS SEED HOUSE.**  
F. BARTELDES & CO., LAWRENCE, KANSAS.



ESTABLISHED  
1862.



Oldest and Only Exclusive Seed House in the State. Our Catalogue for 1883 of Field, Grass, Garden, Flower and Tree Seeds will be Mailed Free to anyone who applies  
**TESTIMONIUM, ONE OF HUNDREDS.**

F. BARTELDES & CO., Lawrence Kas. Gents:—The seeds I purchased of you last Spring produced fine crop of the first quality. I had some Paragon Tomatoes from your seeds, 3 inches in thickness and smooth as an apple. They are ahead of any I ever saw. I was never better satisfied.

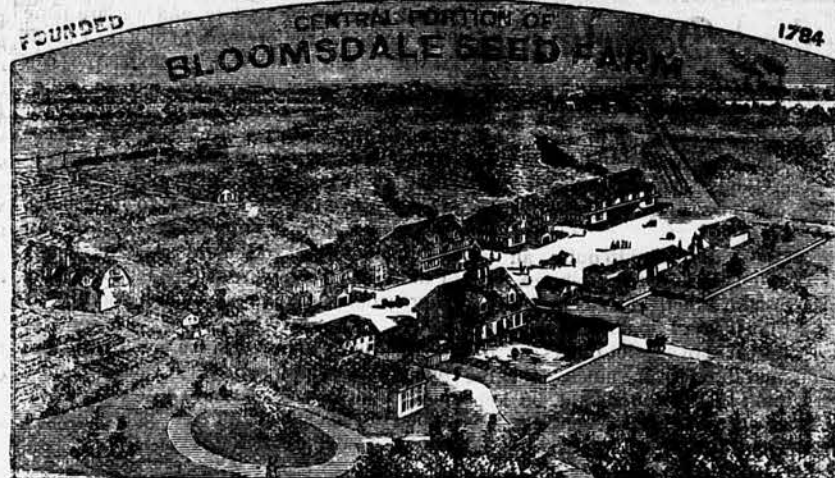
Premiums received this year from Saline County Fair, all from your seeds: First on Turnips, \$2; Tomatoes \$2; Cabbages, \$2; Squashes, \$2; Citrons, \$2. Sweepstakes for best display of vegetables by exhibitor: 1st, \$15 2d, \$10; total \$35. My township (Smoky Hill) also received a flag and a silk banner for the best township display of Grain and Vegetables, value, \$50. I have gardened in Saline county seven years. This is the bold truth, you may publish it if you like.

Please send catalogue as soon as you have it and oblige yours truly,

CHAS. BUSH, Gardn'r, Salina, Kas



My Vegetable and Flower Seed Catalogue for 1883 will be sent FREE to all who apply. Customers of last season need not write for it. All seed sent from my establishment warranted to be both fresh and true to name, so far, that should it prove otherwise, I agree to refund the order gratis. My collection of vegetable seed is one of the most extensive to be found in any American catalogue, and a large part of it is of my own growing. As the original introducer of Early Ohio and Burbank Potatoes, Marblehead Early Corn, the Hubbard Squash, Marblehead Cabbage, Phoenix Melon, and a score of other new Vegetables, I invite the patronage of the public. In the gardens and on the farms of those who plant my seed will be found my best advertisement. James J. H. Gregory, Marblehead, Mass.



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**D. LANDRETH & SONS** Seed Growers, PHILADELPHIA

**THORNBURN & TITUS,**  
158 CHAMBERS STREET, NEW YORK.  
**SEEDS.** SEEDS FOR GARDEN AND FARM.  
Catalogues Mailed Upon Application.

**\$1.35 SEEDS FOR 50 CTS**

**CUBAN QUEEN**  
103 LBS.  
**WATER MELON**

**BURPEE'S SEEDS ARE WAR-**  
ranted First-class in every respect. Few Equal, None Better. To induce thousands of new customers to give them a fair trial we will send for 50 cts. one packet each of the following new and choicest varieties: **THE CUBAN QUEEN WATER-MELON**, the largest and most prize melons grown from our Seed, last season, weighed respectively, 108 lbs., 92 1/4 lbs. and 89 lbs. \$100 IN CASH PRIZES for 1883, for the five largest melons raised from our genuine Seed. **Montreal Green Nectar Melon**, largest on record, one melon weighing 88 lbs. the past season, and of delicious flavor. We offer \$50 IN CASH for three largest Montreals grown this season. **New No. 2 Cabbage**, very early, a sure header of fine quality. **Giant White Italian Onion**, grows to weigh 2 1/2 to 4 lbs. each, mild and pleasant. We will pay \$25 CASH PRIZES for largest of these Onions. **BURPEE'S CLIMAX TOMATOES**, the best of all Tomatoes, certainly the climax of perfection. **New Perpetual Lettuce**, finest lettuce for family use, as one sowing will do for whole season. **Japanese Nectar Egg**, of great value to every poultry-keeper, they make very best of nest-eggs. **Egyptian Beet**, earliest, improved **Hollow Crown Parsnips**, best parsnips. **Golden Globe Radish**, beautiful, perfect shape, quick growth. **Perfect Gem Squash**, very prolific, fine grained, sweet flesh, wonderful keeper. **Spinach**, new thick leaved, round. **Early Snowball Turnip**, very early, both skin and flesh white as snow, most delicate flavor. All above are full, regular size packets, with illustrations and directions for culture, printed on each packet. **A REMARKABLE OFFER!** entire collection by mail, postpaid, to any address for **ONLY 50c.** or 6c collections for \$2.00, and we will put in each collection, free of charge, a sample packet of **ONLY 50c.** **COME OATS**, earliest and finest Oats ever sent. We will send above splendid collection of 15 varieties. **ALSO** one packet each of the following: **New Prolific Tree Bean**, most prolific known, 1175 Beans having been raised on one plant. **Burpee's Superior Large Late Flat Dutch Cabbage**, standard for winter. **New Dwarf Round Purple Egg Plant**, earliest, succeeds everywhere. **Round Yellow Danvers Onion**, one of the best. **New Amber Cream Sweet Corn**, of delicious sweetness, produced 1120 good ears from 114 hills. **Danvers Carrot**, smooth and handsome. **Spanish Monstrous Cucumber**, new, very large, sweet, mild. **Burpee's Extra Early Peas**, earliest and the best extra early. **New Lemon Pod Wax Bean**, marvellous beauty, fine quality, immense productiveness. **London Long Green Cucumber**, excellent for table or pickling. **Round Dark Red Radish**, extra early, intense red skin and crisp, brittle flesh. **Long White Salady**, a delicious vegetable. **New Mayflower Tomato**, early, smooth, bright red. The seeds named above amount to \$2.55 actual value, but we entire will be sent, postpaid, to any address for **ONLY \$1.00**, and in addition we will give a sample packet of **Farmer's Favorite Golden Dent Corn** and celebrated **Golden Grain Wheat**, in all 50 packages. A complete **Vegetable Garden for One Dollar**, and all the finest seeds of the system of offering valuable collections of Seeds far below usual varieties. We are at the seed market in this advertisement sent to any address for 40 cts. **STAMPS, ORDER NOW**, and ask for **BURPEE'S FARM ANNUAL** for 1883, beautifully illustrated, a valuable book of nearly 100 pages, the only complete Catalogue published, embracing Garden, Field and Flower Seeds, Plants, Bulbs, Small Fruits, Thoroughbred Live Stock, Fancy Poultry, &c. Important Novelties of real merit. **PHILADELPHIA, PA.** Warehouses, No. 475 and 477 N. 5th St., & 476 and 478 York Ave.

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**YOUR Great Offer, SEEDS \$2.55 for \$1.00**

**ROYAL GERMAN DRUMHEAD**

We claim our SEEDS are unsurpassed in the world, and desire that all shall give them a trial to test their superiority, feeling sure of making a permanent customer of every purchaser, and to introduce them into thousands of new homes, we will send **ONE DOLLAR** regular prices to \$2.55, **OUR SPECIAL INTRODUCTION BOX OF SEEDS**, making a complete Family Vegetable Garden, containing large size packets of all the best, new, and standard varieties, as follows:—3 Remarkable New Cabbages, **Royal German Drumhead**, **Earliest Favorite Savoy**, **Early Cannon Ball**; 3 Delicious New Melons, **Cuban Queen**, **Sweet King**—Water, and **Golden Gem**—Musk; 2 Superior New Onions, **Southport Yellow Globe**, **Extra Early Red**; **New Perfect Gem Squash**; **Wonderful New Tomato**, **Early Mayflower**; **Earliest known Sweet Corn**, **Marblehead**; **American Wonder Pea**; **Early Pod Wax Bean**; **Philadelphia Beet**; **Champion Moss Curled Parsley**; **Early French Breakfast Radish**; **Golden Globe Summer Radish**; **California Mammoth Winter Orange Carrot**; **Sugar Parsnip**; **Mammoth Turnip**; **Improved Green Prolific Cucumber**; **Long White Salady**; **Thick Leaved Spinach**; **Earliest Snow Ball Turnip**. **SEND A \$1 BILL**, or postage stamps in an ordinary letter, and you will receive the box by return mail, and if not satisfied, we will return your money. **3 Complete Boxes** mailed for only \$2.50. With each Box we send a **PRESERVATION** of flower seeds for your wife, mother, or daughter. This unparalleled offer should be taken advantage of at once, as we make it solely to extend our trade. Our seeds speak their own praise. We supplied last year over 15,000 New Customers, and have received hundreds of unsolicited letters, saying they were the best ever planted. Our new Illustrated Catalogue sent free to any address.

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**The New GRAPES Prentiss,**  
Pocklington, Duchess, Lady Washington, Ver- gennes, Moore's Early, Brighton, Jefferson, &c. Prices reduced. Also other Small Fruits and all other varieties Grapes. **LARGEST STOCK IN AMERICA.**  
Extra quality. Warranted true. Cheap by mail. Low rates to dealers. Illustrated Catalogue free. T.S. HUBBARD, Fredonia, N.Y.



## Ladies' Department.

### Fiction, Sausage and Suffrage.

The FARMER has come out in new form. Thanks to the editor for the additional room given to the Ladies' Department, and truly hope we shall show our gratitude by making profitable use of it.

Fiction is being discussed to quite an extent among the ladies. I fear Rebecca will set me down with Practical as being prejudiced, but I must say, I do not like fiction. I did not read GERALDINE, but others of the family did, and liked it very much. I agree with Mrs. Funk that fiction should be kept out of the way of the children or the student, as much as possible, while it may do for the matured mind.

I heartily indorse Aunt Polly's way of putting away sausage, we have tried it and find it gives good satisfaction, but we do not make head cheese (or pudding as we call it) exactly as she does. We take the heads, hearts, livers, and feet (nicely cleaned) and boil them in a sufficient amount of water to cover them well; when tender enough to drop from the bones, remove from the bones, chop fine, stir thoroughly, season with salt, pepper, and sage to taste and pack away in jars, it may be used warmed or cold, but I prefer it warm.

In regard to woman suffrage. Each married lady has promised to "love, honor and obey" her husband. Now, suppose you could vote, and was a Republican, and your husband was a Democrat or Greenbacker and should say, "you must vote my ticket." I don't see that it would be any great liberty after all. But you say, "My husband will let me vote as I please." Perhaps yours will, but there are thousands who would not. Here is one place the "old maid" would have advantage.

BEATRICE.

### A Plea for Fried Cakes.

My sublimest indignation was aroused when I read Mrs. Hoisington's article on Orthodox pies and "Forty-rod Doughnuts." As fried cakes are my favorite dish I will raise my voice in protestation against said article. I claim they can be made to be very wholesome as well as palatable. I don't mean your grease-soaked, soggy trash, but the good old primitive kind that our mothers cooked. Erase the name of fried cake from the catalogue of culinary arts, and there will be a vacancy there that can never be filled. As to the Orthodox pie, I would just say that any cook that gets up the mess that Mrs. H. describes ought to be sent to the nearest insane asylum. What is your dinner without a good fresh pie? A very thin crust with plenty of fruit, is relished by the most fastidious.

Mrs. H., will you please try this recipe? Take three cups of buttermilk, one cup of granulated sugar, one-half cup of lard, two eggs, one tablespoon of salt, one and one-half of soda, flavoring to suit. Work up real soft, bake in rings in smoking pot of lard and you will have the boss fried cake.

AUNT POLLY.

Jewell City, Kas.

### Corn Batter Cake.

I think the editor has been very kind in giving us space in such a valuable paper to write our views of farm life and household affairs.

Well, as we are all poor enough to eat good corn batter cakes I will tell our sisters how to make them. Take a teaspoon full of soda and one of salt, put in a vase and dissolve with cold water, beat in one egg; then clean and hash one-half cup raisins, but not fine, and add with sifted meal. A little flour helps. This makes them better than the old-fashioned way.

LITTLE RED BIRD.

Chalk Mound, Kas.

### Suffrage and Pie Crust.

Homespun's ideas of voting are very good, still I think women could find time to vote if they would plan for it. We could prepare for election day just as well as we could for a fourth of July celebration, or a campmeeting.

It is very true that "women are not all ladies." All classes of people go to our County Fairs; it makes no difference to us who buys a ticket ahead of us; there is room for us. We buy our ticket and pass in; we

speak to those we wish to, and we are none the worse for the presence of others. I think it will be the same with voting. We can step up to the ballot box with our husbands and deposit our votes, then give way for others; be they ladies or not. If any choose to use bad language, we need not stay to hear it. It is quite often inconvenient for men to leave their work to go to the polls, and unless there is something to get up an excitement over, very many stay at home. I think if women were interested in going there would not be so many staying at home.

I will tell you how I make pie-crust. Take one pint of sour cream very thick, if not, add a tablespoon of lard or butter, one teaspoon of soda sifted into the flour, half a spoon of salt; mix and roll very thin.

### No Wrong in it.

I will say to Homespun that all the voters now do not make stump speeches, and as for finding out who to vote for, by reading the newspapers we can find out who to vote for without attending political rings; and if the husband has time to go to the election the wife certainly ought to spend time to go along, and she need not smoke cigars and use profane language. If there is any manhood left in men they will show it in the presence of ladies. Yet I am not anxious for the ballot myself, but I cannot see any wrong in it.

ENTERPRISE.

### Shall Women Vote?

I am confident that if American women rise above prejudices, and decide as reason dictates, a vast majority of them would favor female suffrage.

Few deny nowadays that woman is mentally and morally man's equal. Evidently therefore, our nation is governed, not by the people, but by a certain portion of the people, and that portion not selected with reference to any mental or moral endowments. This is absurdly unjust, and thinking men and women are beginning to demand a more truly republican government.

The fact that many women (likewise many men) do not care to vote, shows a lamentable spirit of indolence. This can be overcome only by broader mental culture and, above all, by a truer, nobler Christianity, which will prompt us to work, by ballot and all other means, "for Christ and humanity."

MOLLIE B.

P. S. Doubtless Mrs. K. has read Gov. Glick's message, in which, if he does not "uphold the maddening bowl" he certainly advocates a system of laws which does uphold it.

M. B.

### Ought, Should, Must.

I heartily indorse what Mrs. Hoisington says in regard to pies and doughnuts. I think we can eat enough unhealthy food without taking so much work to make unhealthy pies and doughnuts.

As it is in order to express our opinions in regard to women voting, I will say I think women ought, should, and must have a chance to vote if they wish. Some women are so situated that they have no wish to vote; so also some men never vote. Other women who have to pay taxes and perform the duties of men will vote and should have the right to. "Homespun" pictures her side of election day. She should have seen the women at the polls when we voted for the prohibition law. Everything passed off as quietly as it would at a lecture or concert. But in fact I have more faith in the manliness of our men than "Homespun" seems to have, and our family lays claim to belonging to the "advance school of thinkers" in almost all things; so give us a chance to do as we please and we will at least keep the temperance question booming.

AMERICAN GIRL.

### How to Use Hogs' Heads.

Has any of the sisters tried hatching chickens with an incubator? If so, what has been your success?

I will give our way to use the hog's head. Livers, melts and sweetbreads, any skins that have been taken off the sausage meat, is boiled with the heads; when cold grind through the sausage machine and put back in the kettle (iron one) and cook for an hour or more, stirring well to keep from scorching; add salt and pepper, and dip in jars, and it will keep for months. It is only to be warmed up when wanted.

I have gulped down Mrs. Hoisington's

pies and "forty-rod" doughnuts and pass them by without comment, and hasten on to meet Homespun. I want to shake hands and tell her she is a woman after my own heart. Let them discuss their woman suffrage question; I have one more profitable to be discussed, but will not give it now.

I am raising a family of boys three of whom can stand by my side and look over my head, yet none of them are old enough to vote, so you see I have reason to be interested in prohibition and think with Country Jake that we should not give up in despair. Though the future looks a little dark, let us hope and pray till the demon is driven from our land.

VIRGINIA.

P. S. Will some of the good sisters please send me a good cookie recipe?

### Lemon Pie and Suffrage.

Line a pie tin with rich crust and bake. Beat to a cream, 1 heaping table spoon each of butter and flour. Add 1 cup white sugar, the beaten yolks of 2 eggs, 1 1/2 cups of boiling water, the grated rind and juice of 1 lemon—reserving a little of the latter for the meringue. Stir all well together and set the dish containing the mixture into a kettle of boiling water, cook till thick but not watery. Pour into the baked crust and let stand a few minutes to set. Beat the white of the two eggs to a stiff froth, add 3 table spoons of granulated sugar and the reserved lemon juice, spread evenly over the pie and return to the oven till of a delicate brown.

Some one asked in a previous number of the FARMER how much is meant by a cupful in the recipes given. I always mean an ordinary teacup of 1/2 pint unless otherwise specified.

I am glad to see the question of woman suffrage so freely discussed, but am sorry that so many of our readers are not more strongly in favor of it. When I hear a woman say "I would not vote if I had the chance," I always think, "Madam, yours is a vote that we can do without." But there are enough earnest, thinking women who would vote to change the tide of affairs on many vital questions of the day. No one pretends to say that if women had been allowed to vote at our last election, St. John would not have been re-elected. So, all over our nation, if women wielded the ballot, every state in the union would soon be enrolled as prohibition, which seems to me the only solution of the temperance question. Yes, thank God! there are many women who perform every household duty and still keep themselves posted on the living issues of the day, and votes of such women will count when the day comes that her influence can be extended in the only practical way—at the polls. Many a man votes who cannot give an intelligent opinion on one of the questions his vote helps to decide. I do not claim that all women would do better, but enough of them would make a great change. I would like to see the time when all might vote who have the intelligence to form an opinion on the questions to be decided regardless of sex as well as color and when only such could vote.

SEQUA.

### My Dead Brother.

For the KANSAS FARMER.

Tell me not, Oh! cold spectator,  
I shall see him never more;  
Though he's passed beyond my reach-  
ing

He's waiting on the other shore.

I can not see his figure,  
But I hear his gentle voice;  
And in tones of sweet accents,  
He bids my soul rejoice.

He tells me of the Mansion  
That is fitted for me there  
That he's waiting now to greet me  
That I his joy may share.

Oh! help me then, dear Father,  
To serve Thee every day,  
That with that darling brother  
I may forever stay.

BEATRICE.

The Quincy Market Cold Storage Company, of Boston, are said to have the largest refrigerating building in the world. It is of stone and brick, 160 by 80 feet in size, and 70 feet high. The capacity is 800,000 cubic feet, the cost \$200,000, and the ice chamber holds 600,000 tons of ice. It will be used for storing dressed beef and mutton. The Chicago refrigerating cars unload at the door.

A Mississippi man has discovered that an excellent quality of sugar can be made from sweet potatoes.

### Can't Get It.

Diabetes, Bright's Disease, Kidney, Urinary or Liver Complaints cannot be contracted by you or your family if Hop Bitters are used, and if you already have any of these diseases Hop Bitters is the only medicine that will positively cure you. Don't forget this, and don't get some puffed up stuff that will only harm you.

Keep all animals which are housed scrupulously clean, well fed and warm, and save them from all drugs.

### Answer This.

Can you find a case of Bright's Disease of the Kidneys, Diabetes, Urinary or Liver Complaint that is curable, that Hop Bitters has not or cannot cure? Ask your neighbors if they can.

The enormous sum of \$202,000,000 is invested in the submarine cables of the world, supposed aggregate 64,000 miles in length.

\*Women are rapidly finding places in the learned professions and the more lucrative occupations from which they were formerly excluded. Many are graduating in medicine. Mrs. Lydia E. Pinkham, of Lynn, Mass., is a minister of health to thousands who may never touch the hem of her garment or behold the genial light of her modest countenance.

A large number of fat cattle from the recent exhibition in Chicago were shipped from New York for the Christmas market in London.

\*Hoods, scarfs, ribbons and any fancy articles can be made any color wanted with the Diamond Dyes. All the popular colors.

A Belgian sparrow has literally built her nest in the lion's mouth, having made her home in the jaws of the monumental lion surmounting the Belgic mound on the field of Waterloo.

Constipation, liver and kidney diseases are cured by Brown's Iron Bitters which enriches the blood, and strengthens the whole system.

Lansing, Mich., has a refrigerator company which stores up summer made butter at low prices to be sold in winter at advanced figures. It has now on hand over fifty tons, all of which is said to be of excellent quality.

Dr. Pierce's "Favorite Prescription" perfectly and permanently cures those diseases peculiar to females. It is tonic and nerve, effectually allaying and curing those sickening sensations that affect the stomach and heart through reflex action. The back-ache, and "dragging-down" sensations all disappear under the strengthening effects of this great restorative. By druggists.

The most flourishing branch of British agriculture during the last year or two has been dairy farming. The Mark Lane Express says American competition stimulated those interested in butter and cheese to set about improving their practice.

For nervous or physical prostration, no matter how caused, there is nothing equal to Le's Dandelion Tonic. It tones up the nerves, improves the digestion, stimulates the liver to healthy action and thus brings back vigorous health to the body.

Rusty Plows.—Four half a pint of sulphuric acid slowly into a quart of water. Wash the iron with it, and, when it has evaporated, wash again. Then wash with water, apply more acid and rub the worst spots with a brick. Finally, wash thoroughly with water, rub dry, apply kerosene and store away.

Asthma and Bronchitis cured by Dr. King's New Discovery for Consumption. Trial Bottles free.

**KIDNEY-WORT**

**IS A SURE CURE**

for all diseases of the Kidneys and  
**— LIVER —**

It has specific action on this most important organ, enabling it to throw off torpidity and inaction, stimulating the healthy secretion of the Bile, and by keeping the bowels in free condition, effecting its regular discharge.

If you are suffering from **Malaria**, malaria, have the chills, are bilious, dyspeptic, or constipated, Kidney-Wort will surely relieve and quickly cure. In the Spring, to cleanse the system, every one should take a thorough course of it.

**41. SOLD BY DRUGGISTS. Price 21.**

**KIDNEY-WORT**

\$66 a week in your own town. Terms and \$5 outfit free. Address H. Kallert & Co., Portland, Me



## The Young Folks.

When Bully Frog  
Was Polly Wog  
He had a lovely tail;  
He wiggled in,  
And wiggled out,  
And thought himself a whale.

### The Measure of a Boy.

A great many boys and too many men and women sometimes think that a boy does not amount to much. But when a boy is wanted for training to any particular business he assumes importance and must measure well. His measurement is taken not only as to size, weight and height, but his life, his habits, his character, his former training—all these things are measured, and he must come up to a certain standard.

Nobody wants a filthy or lazy boy; nobody wants a bad boy, or an ignorant boy, nor one of unnatural growth of body. For instance: The training ship Minnesota, is now enlisting boys to be trained for the United States navy, and here are some of the rules of measurement: As to the body—

Age.	Height.	Weight.	Chest.
14 to 15	4 ft. 9 in.	70 lbs.	26 in.
15 to 16	4 ft. 11 in.	80 lbs.	27 in.
16 to 17	5 ft. 1 in.	90 lbs.	28 in.
17 to 18	5 ft. 2 in.	100 lbs.	29 in.

As to the moral and mental measurement, boys must have the consent of their parents or legally appointed guardians, must be not less than fourteen, and not more than eighteen, years of age, sound and of good moral character. Boys who have been convicted of crime, or who have been inmates of reformatories, cannot be enlisted; nor will boys be accepted who cannot be controlled at home, and whose parents want to have them disciplined. The object is to secure a class of good and deserving boys who will elevate the standard of the naval service, and make the navy more trustworthy as an arm of the national defense.

These rules show how important a boy is when he is needed by some one that wants to make a man of him, and they also show that the best thing that boys can do for themselves is to improve their mental, moral and physical powers.

### Successful Boys.

The Atlanta Constitution tells of four boys that started a few years ago selling newspapers. They made ten cents apiece the first morning they went to work, and for two winters thereafter they went barefooted through the snow and sleet in the freezing dawn, on their morning rounds. From the very first they saved a certain per cent of their earnings, which they wisely invested in Atlanta real estate. The oldest of them is now 18 years of age, and the youngest 12. They have supported an invalid father and their mother all the time, and now have property worth considerably over \$5,000, houses from which the rent is \$20 per month, and \$200 stock in a building and loan association. They have educated themselves in the meanwhile, remaining away from school this week in order to work the harder and build a home for their parents that is to have a front parlor and a bay window in it. These little fellows have been carriers, newsboys, errand boys and apprentices about the Constitution office, and one of them is now assistant mailing clerk. Their net savings from their sales and salaries, exclusive of their rent has been \$20 a week for this year.

What these boys have done other boys can do. The whole secret is steadiness, sobriety, industry and economy. There are few lessons more important for boys than that the smallest amount—no matter how little it may be—will make a great fortune if it is only saved and invested, and that the smallest income—no matter how small—will make a man independent if he will only live inside of it and compound his surplus. It must have been discouraging to these youngsters when it took them months to lay up a single dollar, and it was heroic in them when they went barefooted over frozen ground rather than use it to buy shoes with.

The conversion of the steel wire into rough needles requires twenty operations, the principal of which are the measurement of the wire, the scouring, the winding off, and the cutting of into lengths equal to two needles. The pointing is done with two grindstones.

### How to Use Capital Letters.

Our young readers, every one of them, ought to learn how to express their thoughts neatly on paper, and by way of helping them in that kind of work the following hints are given.

First.—The first letter in every sentence must be a capital letter.

Second.—The first letter in every name, whether of a person, an animal, a river, a mountain or anything else, must be a capital letter. The word man, or the word dog, is not to have a capital letter; but the name of the man or dog must be capitalized; as, The name of the man is Peter, and the name of the dog is Bob.

Third.—When we use the letter i so as to mean one's self, we must always write it a capital—I. Never write i when it means yourself.

Fourth.—Any title or office, when used to identify or describe a person, must be capitalized; as General Grant, Doctor Johnson, President Arthur, Governor Gillick, Captain Jones, Editor Brown.

Fifth.—Any word used to represent the Creator of all things must begin with a capital letter; as God, Jehovah, Jove, Lord. The same is true of the Savior; as Redeemer, Son, Word.

Sixth.—All words which are used to distinguish nationality or citizenship must be capitalized; as American, Frenchman, Spaniard; or Americans, French, Spanish, English, Pennsylvanian, Kansan, Californian.

There are other rules on the same subject, but this is enough for one lesson.

### How to Address a Letter.

If the name of the person to whom the letter is addressed, and the place to where it is to be sent are written plainly on an envelope, there is no danger of miscarrying. But it looks better to have uniformity and neatness about it. The address ought to be on the lower half of the envelope, the name of the person in one line, the name of the town in the second line, and the name of the state in the third line, and near the right-hand lower corner. If it is desired to give the name of the county, also, let that be written in the left-hand corner on a line with the name of the state. This is the usual form:

John P. Thompson,  
C/o Isaac Miles, Topeka,  
Shawnee Co., Kas.

If it is desired to put the letter in the care any one, abbreviate, using c and o for "care of," with an upright line between them, followed by the person's name, and write it at the left, on a line with the name of the town.

### Catching Alligators.

An exchange says that the usual method of taking this creature is by bating a most formidable four-pointed hook, composed of wooden spikes, artistically arranged, and suffering it to float in the river. When an alligator has swallowed it, he is hauled on shore by the rope and slaughtered.

The hide of a large alligator is worth from one to two dollars. It is almost a day's task to skin a large one. Alligator oil, which has at first a most unpleasant smell, is much valued as a remedy for rheumatism. Fishermen sometimes eat portions of the animal's body. The flesh of the tail, when cooked, is said to be like veal in look and like pork in taste. Young ones are bought by dealers at from two to four dollars a dozen, if not over one foot in length.

### Letters From Little People.

[We hope our little friends will not be afraid to write to the FARMER. Write short letters; write them plain, and they will always be welcome. We want you to learn how to write for the newspapers. And if you will keep a copy of your letters to compare with the printed one, you may learn something about how to use capital letters, punctuation marks, words, &c.—EDITOR FARMER.]

CLAY CENTER, Clay Co., Jan. 22, 1883.

MR. EDITOR:—I wanted to answer the question No. 3 last week. I am staying with my auntie, who thinks I could not write well

enough. I have only been to school three months in my life. My favorite study is geography. I will now try to do so. London is the largest city in the world, the number of its population is over four millions. The principal occupation of the people is commercial. They speak the English language; it is situated on the River Thames, which empties into the German Ocean. It is in the County of Middlesex, England.

LITTLE GERTIE, 9 years old.

WELDA, Anderson Co., Kas., Jan. 22, 1883.

MR. EDITOR:—I am a little girl eight years old. My father is a farmer. He grows horses and mules, and cattle and hogs, and I help mother milk, and feed the pigs, and chickens, and turkeys, and go to school. My studies are spelling, reading, writing, arithmetic and geography. My teacher's name is Walter Davis. He is a good teacher. I like to hear from my sister little girls from different parts of the State.

LILLA MAY SLUTZ.

NORWOOD, Kas., Jan. 23, 1883.

MR. EDITOR:—I am a little girl nine years old. I go to school every day. I have a good teacher; his name is Mr. Will Leonard. I have one sister and three brothers. We call our baby Pearl. He is a real sweet little boy. My brother George is learning to skate. We have a Literary at our school house. I attend when it is not too cold. We have two dogs and one cat.

LUNNIE HANES.

### Questions to be Answered.

ENIGMA, No. 1.

I am composed of 23 letters:  
My 1, 8, 11, 12, is similar to an onion.  
My 4, 2, 14, 22, is departed.  
My 5, 6, 21, 16, is a kind of bean.  
My 18, 19, 3, is used in summer.  
My 7, 11, 15, 9, is worn by gentlemen.  
My 10, 13, 17, is a verb.  
My 20, 16, 23, 8, is scarce.  
My whole is what we all wish.

ENIGMA, No. 2.

What branch of the law is equal to 157.  
What cover is equal to 551.  
What form of earth is equal to 650.  
What legal appendix is equal to 752.  
What plaything is equal to 600.  
What machine for weaving is equal to 1050.  
What name for home is equal to 1652.  
What peculiarity of every language is equal to 1502.  
What form of rope is equal to 15150.  
What Indian tribe is equal to 1600.  
What ex-Governor of New York is equal to 511.  
What musical instrument is equal to 56.  
What state of the weather is equal to 650.  
What state of the weather is equal to 150.  
What imitator is equal to 2002.  
What book which makes us laugh is equal to 1201.  
What bird is equal to 1000.

Question No. 10.—If grape vines are set 8 feet apart each way, how many of them may be set on one square acre of land?

Question No. 11.—When gold was selling at 20 cents premium, what was the value of paper money.

When giving answers, always refer to the question, enigma, &c., by number.

### Answers to Questions.

Willie Aiken sends 94 as answer to question No. 1, using plurals.

No. 5.—C. A. L. answers: California, India, Austria, Spain.

E. N. P. answers: Mercury is a metal; fluid at common temperatures. It is found native in various parts of the world, but its chief production is from its ore—Cinnabar. The most extensive mines of quicksilver are in Spain. Those of California rank next in production.

No. 6.—E. N. P. answers: Mercury solidifies at about 39 degrees Fahrenheit. Alcoholic thermometers are used, generally, to measure degrees of cold below 39 Fahr.

No. 7.—E. N. P. answers: At the division of the Democrat party in 1848, the Free Soil Democrats were called "Barn-burners." The old-line Democrats, "Hunkers" or "Old Hunkers." A few years later, the conservative, or Fillmore Whigs, were called "Silver Grays." The "Woolly Heads" were the more radical Whigs or Seward men.

One American silk-weaver, with American machinery, can do the work of 62 Frenchmen.

### "Got Our Money's Worth."

This is the opinion of a gentleman in Islesborough, O., after a trial of Compound Oxygen in the case of his wife: "Her appetite is much better—can sleep much better no frightful dreams such as she had before using the Oxygen—is much stronger—does all her work in the house and considerable out doors—moves about the house as nimble as a girl of fifteen years. In short, she is better all over, and I think we have got our money's worth. I shall always speak in favor of the Oxygen to my neighbors. Accept our thanks for the good health my wife enjoys." Our Treatise on Compound Oxygen, its nature, and results, with reports of cases, and full information, sent free. Drs. Starkey & Palen, 1109 and 1111 Girard Street, Philadelphia, Pa.

In union there is strength, but the farmers can have no union unless they have regular places for meeting and consultation.

I have used Simmons Liver Regulator in my extensive practice for the last four years, and cannot find its equal for bilious colic, dyspepsia, sick or nervous headache and constipation.

Yours truly,  
Jas. M. Short, M. D. Butlerville, Ark.

Stock the farm to the fullest extent with safety. Raise all the food possible, hay, grain, straw, fodder, then feed liberally but carefully.

\*"Old birds are not caught with chaff." Therefore seek and find the pure golden grains of health in Kidney-Wort. Women, young or old, married or single, if out of health, will be gradually benefited by taking Kidney-Wort.

Keep the poultry busy if you want to keep them in health, and make them scratch if you wish for eggs; but keep them quiet and well fed if you wish to make them fat.

Mental depression, weakness of the muscular system, general ill-health, benefited by using Brown's Iron Bitters.

It is stated that a short time ago, while getting out stone in his quarry a mile south of Kokomo, Ind., a man split a massive slab and found embedded in the solid rock a lizard of a light color, alive and active.

For weak lungs, spitting of blood, weak stomach, night-sweats, and the early stages of Consumption, "Golden Medical Discovery" is specific. By druggists.

In looking over the sheep industry it will be found that the small flocks have succeeded much the best. This is in a great measure due to the fact that small flocks get the best attention, thrive better and are less liable to accident.

### Our Grandmothers

taught their daughters that "a stitch in time saves nine." A pill in time saves not only nine, but oftentimes an incalculable amount of suffering as well. An occasional dose of Dr. Pierce's Pellets (Little Sugar coated Pills), to cleanse the stomach and bowels, not only prevents diseases but often breaks up sudden attacks, when taken in time. By druggists.

The two artesian wells which the Commissioner of Agriculture has contracted for in Colorado are located, one 112 miles east of Denver and the other 148 miles southwest of it. The entire success of irrigation by the artesian wells at Humboldt, Nev., encourages hopes that the experiments will be entirely successful.

R. K. Tabor, of the A. T. & S. F. railroad writes that he has tried Leis' Dandelion Tonic and considers it the best tonic he ever tried.

Peter Henderson says the best shading he has ever used for the glass in greenhouses or hotbeds is naphtha, mixed with a little white lead, so as to give it the appearance of thin milk. This can be put on the glass with a syringe, very quickly, at a cost not exceeding twenty five cents per 1000 square feet. It holds on the entire season until loosened by the fall frosts.

### Brick Dust Deposit.

A very bad sign. A deposit of brick dust in one's bladder is a very bad sign indeed. Those who find themselves attacked by this symptom of kidney disease should seek relief without delay. Such relief is guaranteed from kidney, bladder, liver and urinary diseases by Hunt's Remedy. This wonderful medicine, Hunt's Remedy, the great kidney and liver medicine, cures all kidney diseases infallibly.

In transplanting trees all the roots which may have become bruised or broken in the process of lifting should be cut clean away behind the broken part, as they can more readily strike out new roots from the cut parts. In all such cases the cut should be a clean sloping one, and made in an upward and outward direction.



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KANSAS FARMER COMPANY.

The growing wheat crop of Illinois is put at 2,905,085 acres. The condition is six per cent below an average.

We invite the attention of our readers to the letter of Mr. Holman on potatoes. His experience is worth knowing.

Although it costs a single subscriber \$1.50 to get this paper a year, by clubbing the price is reduced. See our club rates.

The first day of March will soon be here, and with a little preparation every farmer's family in Kansas may, by that time have some fresh vegetables.

If a large, very large pile, of rotten manure is placed in the center of a garden now, it will come handy when you begin to work for early vegetables.

It is to be expected that most of our cold weather is past. When we have it very cold in January, we generally have milder weather afterwards in Kansas.

We do not remember ever sending out more good original matter in the same space in one issue of the paper than we give this week. Much of the matter is of special interest.

There will never be a better time than this to get all the trash out of gardens and orchards, and to gather up manure and put it in convenient places for use when the proper time comes.

Let every earnest worker take advantage of every pleasant day now in clearing up and getting ready for the spring work. Nothing pays the farmer better than early work, provided always, that other things are favorable.

There never was a time when reliable farmer's papers were needed more than now. We submit that the farmers of Kansas need such a paper as we are sending out regularly every week. By joining in clubs, the cost is only a trifle.

In our present legislature the classification of members, according to a *Capital* reporter, is as follows: In the Senate, Lawyers, 18; Farmers, 7; Bankers, 5; other callings 10. In the House, Farmers, 52; Lawyers, 25; Bankers, 1; other vocations, 46.

If you have no hot-bed, make one; a little one this year, just to see how good a thing it is. Here in the city we get lettuce, radishes, asparagus, etc., always early. Somebody grows them in hotbeds. Every farmer can do the same, and he need not come to town for what he ought to raise himself.

A friend, writing to request further discussion of the Tariff in these columns, takes the occasion to make a very good suggestion, namely: That if agricultural papers would, more generally, rise to a higher plane of thought and discuss questions pertaining to public affairs in an intelligent manner, and upon known or attainable facts, the people's education would be more rapid and practical.

## A Word About Senate Bill No. 111.

The senate committee on agriculture are reported to have recommended the passage of S. B. 111 which proposes to amend the Stray Law so that instead of advertising all the animals worth ten dollars taken up in the State in one paper and having that paper sent without charge to the office of every county clerk, as is now done, the advertising shall be done in the official papers of the several counties wherein the strays are taken up. The committee ought to be credited with good motions in making such a recommendation, and we cheerfully accord that; but we doubt whether their information touching the reasons for so amending the law was such as to justify the change.

We assume to know something about the interests and wishes of the farmers and stock men of Kansas in this matter, and there has not been a single request, so far as our information and belief extend, coming from either of those two classes of people, asking for any change in the law. The truth is, farmers and those whose interests ought to be consulted in the matter, are satisfied with the law. It serves the purposes of its enactment well, and there ought to be no meddling with it except upon good and sufficient grounds.

We doubt whether the committee gave the subject more than a passing thought, and this article is written for purpose of calling attention of the Legislature to the merits of the law now in force. Its theory is to facilitate and cheapen the regaining of strayed animals; and these two features are the most important ones in any stray law. Its practical workings have been tested by the experience of fifteen years, and we have no complaints from those for whose benefit it was enacted. But we have many expressions from them in its favor. Let us look at the law a moment.

First.—All strays taken up in the State, (when worth ten dollars,) are published in one newspaper, thus gathering them all in one pen, as it were.

Second.—One number of every issue that paper is sent free to the office of every county clerk in the State to be filed there for the inspection of all persons interested without charge, thus placing the list of strays for the whole state where every citizen of the State may examine it whenever he chooses without any expense to him.

Third.—By thus consolidating the list, it can be, and it is, published cheaper than it could or would be done if it was divided among a great many papers. It now costs only fifty cents an animal, whereas, if divided up among the county papers and paid for at ordinary rates it would cost about two dollars.

Here, then we have thorough advertising, and cheap, besides making it convenient and inexpensive for every person in the State who so desires to examine descriptions of animals taken up in every part of the State. What is there wanting in the law? How can it be improved?

The monopoly cry is all nonsense. If ordinary prices were paid the aggregate would be considerable; but as it is, five hundred dollars about covers the whole thing for a year. The total amount received by the KANSAS FARMER for all the strays it advertised in 1882 is \$542.36. Our books may be examined by any person interested at any reasonable hour.

The change is asked for in the interest of men who are publishing newspapers in different parts of the State, and not of men who are benefitted by the law. We have to ask only that if any amendment is made of the law it shall not extend beyond the mere substitution of some other one paper in place of the KANSAS FARMER. There seems to be a special appropriateness in having the work done

by this paper, but that need not count anything. The price paid is very low—lower than any other public advertising is done for. Let that, also, count nothing. But so long as our State is not fenced into farms, and so long as we follow stock raising largely and our animals are liable to stray many miles from home, let the stray list for the entire State be published in one paper, and let that paper be sent free to the office of every county clerk in the State. That is the correct theory, and it works well in practice. Let us retain it.

## Inquiries Answered.

We have no faith in the Russian Apple business, and would steer clear of it unless vouched for by a responsible home man.

In using a lister for corn planting, the ground is not usually plowed immediately before planting. But if it was plowed in the fall or early winter, all the better. If corn grew in the field last year, the lister is run between the old rows this year. As to which lister is best will some of our readers please give their opinions?

Draining is a good thing anywhere and in any soil, but its advantages are more apparent in flat and heavy land. The kind of draining and the depth depend on the nature of the soil and the "lay of the land." Marshy land needs more and deeper drainage than clay or sand soil. Less than three feet in depth is little better than surface draining. The number of drains must be fixed by necessity for draining; so, also as to size of drain. If our correspondent will describe his land, its lay, its soil etc., we will try to answer more specifically.

Manure ought to be mixed with soil. Plow it under as soon as possible after spreading. Its properties ought to go in, and not merely on, the earth. Let it be well rotted and fresh from the pile; spread quickly and cover. If well rotted, it may thus be utilized in the first crop. If not well rotted, it is better plowed under in the fall for next year's crop. A top dressing of rotted manure dry on grass is good if a rain or snow falls on it immediately afterwards, but in dry weather manure lying thinly on the ground is wasted.

We will try to give more attention to bees, though our subscribers care little about the matter.

Sweet potatoes are best kept in cold weather by placing them in dry sand and keeping them in a dry place protected from the weather and from freezing.

A hotbed may be made by digging a hole the size you want, and—say 18 inches deep. Fill up 12 inches with fresh, strong barnyard manure well tramped down. Pour plenty of water on the manure, and cover this with 6 inches of good soil; then put a two inch layer of fine, well rotted manure on this, and cover that with a 3-inch covering of light soil and mix them lightly. Box the bed, making the north side higher than the south. Place a few thin slats across the top and cover with muslin. But at night, and when the weather is cold the bed must be covered with straw or hay. It will frequently need watering which is best done by pouring down the sides of the bed to reach the manure.

It matters not how the seed sweet potatoe is placed in the bed if it is covered, but the natural way is to have the eye nearest the light. We never found any difference and we tried both ways.

Millet is good feed for sheep. Feed sparingly for a few days, and give rye or oats with it, occasionally; also wheat bran with a little salt mixed.

The Cowley county Horticultural Society is flourishing.

## A Sample Letter.

The good words coming to us in every mail, while they are encouraging and cheering, serve to show us more clearly the responsibilities of our position, and are so many guides and checks for our future. It would be immodest to publish all, but we violate no propriety in giving the following as a sample of many. It comes from a friend in Gove county.

He says: Your paper comes to us so freighted with such practical hints and suggestions that we could not think of doing without it. Its teachings are so much in accordance with our own experience I can't help but believe its powerful influence must be felt. Your views of good wholesome laws strictly enforced, like good stock, is always most conducive to the best interests of any community. Success to the FARMER in all its measures of reform and enlightenment of the people—especially the farmers.

## A Word to our Correspondents.

It is impossible to publish all of our correspondence as fast as it comes in. We are giving portions only of the letters, and are away behind at that. But many of them are good enough to keep a few weeks without losing any of their value. Some may be cut down without injury, but some need to appear whole. Be patient with us; we will exercise our best judgment in every case, and do our best to treat all fairly. It so happens that we are crowded on three sides—by correspondents, by stray notices and by advertisers. But all three will soon slacken up some and then we will have more room for those who write. Don't be offended if your letters do not appear as early as you would like. We will get to them in time if the traces don't break.—Editor FARMER.

Sowing clover seed on snow is or is not a good thing to do according to existing circumstances. If the earth is dry and the snow light, the seed would not take root, unless rain soon follows and keeps the earth in good condition. Every farmer ought to exercise his best judgment in his work; and, as a friend suggests, the seed had better be kept off the ground until there is moisture enough to start it to rooting. When it can be done it is better to sow clover seed on clean, fresh earth, well pulverized so that the seed may be covered with some kind of a machine, as a roller.

Miss Emma Lazarus, the best-known literary representative of her race in America, has written for the forthcoming *Midwinter Century* a paper on "The Jewish Problem," which is likely to attract wide attention both at home and abroad. In brief space the writer has reviewed the history of the Jews since the origin of Christianity, and finally gives her reasons for the establishment of a separate nationality. These reasons are forcibly put, and will be novel to many readers.

## Request About Listers.

Many of our readers are becoming interested in the listing plows, and they want to learn which is considered best by those who have had experience. Will you answer and thus confer a favor? We do not feel competent to give an opinion on the subject, for we have had no experience in the matter.

Mr. L. R. Spangler, of Atchison county, successfully practices budding peach trees in the spring. He keeps his buds in some cool place till the sap is started well in the trees, then buds in the usual way. He has bearing trees now from buds he inserted four years ago last spring.

We have received two little pamphlets from some friend who wishes to serve the cattle and sheep interests of Kansas. They are compilations from reports of the State Board of Agriculture in 1879 and 1880.



## Chester Whites--Sheep Raising.

Editor Kansas Farmer:

I am glad to see such a decided stand taken in favor of the Improved Chester White hog as Mr. Waltmire takes in a late FARMER. I much prefer the Chester White to any other breed, having tried both Berkshire and Poland. I have the Chesters direct from L. B. Silver of Cleveland, Ohio. The idea prevails with a great many men that any white hog is a Chester White; but there is as much difference between the Chester White and scrub white as between scrub stock of any other breed. The thoroughbred Chester is the most docile and quiet; will fat at any age; and for three or four years' experience I never have had one to mange or sunburn, and that without any extra care or attention. They have done better right here in Kansas than any hog I ever raised, and I have never heard of one that I sold that has not done well. I am not much of a hog man, but the few I do keep I want them of the best, and I think I have got them.

I am decidedly in favor of sheep, believing there is more money in a good flock of sheep well handled than any other kind of stock for the average farmer. My flock numbers about 900, and all doing well. Have not lost a sheep since last winter or spring. My flock are all two years old next May, very even and high grade Merinos, the best that could be bought on the Dodge City market at the time of purchase, having been bred from a Missouri flock.

As to wintering sheep, that is a question of direct interest to all sheep men. I watch closely every article in every paper with reference to feed and forage, and it is certainly well for those having experience to make it known through the columns of the FARMER. I have fed some sorghum this winter, part planted with the corn planter straddling every row, taking out the valves and making the holes small, and working the lever fast. The seed is all put in at a uniform depth. comes up better and quicker than if sowed with grain drill, having had the pressure of the wheels which is an advantage to it coming up, particularly if it should be dry. Thorough harrowing is all that is necessary to insure a crop, and 35 to 40 pounds of seed per acre will make the best of feed for sheep. Mow it like hay; let lay till well cured. Do not be afraid of a shower of rain or two hurting it, for I have a patch cut with the mower that laid for a month and took a number of our heavy rains last fall, and still my stock ate it all up clean, and took it in preference to prairie hay. I also fed a few acres planted the full width of corn and for the purpose of making it to syrup, and soon got tired of that, and fed it to my sheep. The stalks being large, they did not take hold nor seem to relish it so well as the fine. I like millet very much for sheep, if cut early; but the trouble with millet is we cannot grow enough to the acre. I am going to experiment on sowed corn the coming summer. Sheep wants a variety to give both thrift and health; hence the necessity of sowing different kinds of grain.

I left a patch of sorghum stand for the purpose of feeding on the stalk through the winter, but the first hard freeze came, down went the sorghum flat to the ground, and every stock soured and the stock won't touch it. But as it was well headed and I wanted the seed, cut the tops all off. Now was that the cause of it going down and souring?

J. E. WHITE.

Mr. L. R. Spangler, of Atchison county, had seven bushels of apples last year on each of a number of trees set out in 1876.

## Weather in the West.

Mr. Wheeler writes: The past week has been one of the severest spells of weather we have ever experienced in Western Kansas. The 18th inst. a furious snow storm prevailed, 19th mercury was 28 degrees below zero, most of the stock in our county (Gove) drifting no one knows whither. One of my neighbors reports some of his poorest calves as frozen to death. I think this storm says to us all, make better stables, make the stock comfortable and it will pay us better.

## A Word to Wool Growers.

Nothing is more apparent in the wool business in Kansas than the fact that very few of our sheep men and farmers understand the best methods of handling and disposing of wool. Reports of Kansas wool in the markets of 1882 are not flattering. The low prices and slow sales of much of our wool were not because of its quality so much as because of its condition when marketed.

This matter needs attention and promptly. The State Wool Growers' Association could not do a better thing than to organize a bureau to teach the people how to handle wool and establish a depot in Kansas where all our wool that needs assorting and careful handling could be sent for preparation by all persons wishing to avail themselves of such advantages. Buyers would come to this depot and purchase, a feat which would save many dollars to Kansas pockets.

Sending wool, and particularly wool that is not carefully put up, a thousand or fifteen hundred miles to an uncertain market is not generally a profitable business after commission and shrinkages are paid.

## The Legislature.

Twenty-three days of the fifty are now passed. Six of them—working days—have been lost by two adjournments from Friday noon to Tuesday afternoon. Not a bill, except one to pay the members per diem and mileage, and one to pay some sixteen hundred dollars for postage stamps for the members. There has been a good deal of committee work done, and we may expect visible results from now forward. The House has begun to hold night sessions, which means work.

The House committee on railroads we understand have agreed on a bill providing for three commissioners, at salaries of \$3,000 apiece and a clerk at \$1,500, fixing maximum rates of one cent a ton per mile for a car of ten tons, allowing ten dollars for terminal handling, on the following classes of property: Class A—Wheat, flour, flax-seed in sacks, millet seed, beans, apples and potatoes; Class B—Rye, barley, broom corn, horses, mules and agricultural implements; Class C—Corn, oats, mill stuffs, meal, cattle, hogs, sheep, fence wire and salt; Class D—Lumber, lath, shingles, posts and wood; Class E—Coal, brick, stone, sand, ores and ice.

The bill will be printed when we can examine it and give more of its details to our readers. It embodies parts of several bills heretofore presented.

Committees have been appointed to examine into applications for appropriations of public money to private and local charitable and literary enterprises. It is greatly to be desired that all this begging be summarily disposed of. The people do not desire their money be applied to any but State uses. At every session these pap suckers appear, and it is time they be choked off. The Legislature is the guardian of the public treasure. The trust is a sacred one. Not a dollar ought to be expended except for unquestioned purposes.

A bill has been introduced making it a misdemeanor for any public officer to

accept a free ride over a railroad; one to amend the prohibitory liquor law by making the possession of liquors without a permit, and the keeping of any booth or place where liquors are sold, prima facie evidence of a violation of the law; one for destroying weeds along public roads; one to prevent cruelty to animals; one to establish the office of State Veterinarian; one providing for a more careful assessment of personal property; one prohibiting judicial officers from being candidates for other offices; one to protect stock from contagious diseases; one to change time of township elections to the Fall; one to insure damages from railroad companies for losses sustained by fires started by their engines.

A congressional apportionment bill has been introduced in the Senate, but it has not yet been discussed by that body.

## Breaking Prairie Sod.

The time and manner of breaking prairie sod are determined to best advantage by a consideration of the immediate object to be attained. If it is desired to kill the grass and rot the sod only, the best time to break is after the grass has started well to grow and when it is growing rapidly. Two inches in depth then is deep enough.

If the object is to plant seed at once and raise a crop, then the kind of seed to be planted has something to do in determining the depth of plowing, but the time, of course, depends on when you are ready and how soon you wish to plant. For potatoes, three inches is deep enough. Let the seed be placed by hand under the edge of every third furrow of ordinary breaking, turning the next sod over for a covering. Potatoes raised in this manner need no cultivation. Indeed, sod plowed that depth cannot well be cultivated the first three months. The best potatoes we ever raised in Kansas were grown on this plan. In the fall we raised the sods and found the potatoes neatly placed in little thickets ready for gathering.

If it is intended to raise a crop of vegetables, or of good corn, or, indeed a full crop of anything except potatoes, it is necessary to break deep enough to allow immediate working with harrows so as to make a bed of loose earth to cultivate and to fill up all the little loose air chambers about the sods. There are two methods of breaking for this purpose. One is to run the plow six or seven inches deep. If the sod is laid over on one edge, rather than flat, the work of pulverizing and filling is easier, though there will be more sod bunches torn up and left on the surface. These may cause more or less trouble to after working by reason of their tendency to take root and grow. When the sod is laid over flat, it requires more work to make the surface loose, but the after cultivation is easier, and the sod is more thoroughly covered.

Another method is better, but it requires still more work. First, run three 2-inch-deep furrows where the land is to be opened, and throw the sods away. Then on that uncovered space, open up the land with three fresh furrows six inches deep. Then turn a two-inch-deep sod into the deep furrow, and on top of that throw a six-inch-deep slice, and so continue till the ground is all plowed. This separates the sod cleanly from the under earth, and it (the sod) is all buried under six inches of earth that can be broken and pulverized by harrows and rollers. It gives a deep bed of fresh, mellow earth, that in an ordinary season will produce a heavy crop of anything that is planted in it. A good garden may be thus made. This fresh soil dries out rapidly because of the drying

and decaying roots. In a wet season this is not noticed. Heavy rolling is needed unless rain is sufficient.

It is believed by some farmers that the recent cold weather seriously injured the prospect for a peach crop this year. It is rather early, we think, to pass judgment, but we will not be surprised if the belief should prove to be well founded.

The Memphis extension of the Kansas City, Fort Scott and Gulf railroad is expected to be completed to Memphis, Tenn., about the first of June next. That will be the best road Southern Kansas will have, and it ought to be built direct to Topeka.

## THE MARKETS.

By Telegraph, January 29, 1888.

## Chicago.

The Drovers' Journal reports:

CATTLE Receipts 5,000. Markets same as Friday. Export steers 6 00a5 25; good to choice shipping 5 50a5 75; common to fair 4 15a5 00; butchers 2 35a 4 35; stockers and feeders 3 25a4 65.

HOGS Receipts, 22,000. Market strong.

Common to good Mixed 5 85a6 30; heavy 6 15a6 85; light 5 85a6 30.

SHEEP Receipts, 1,500. Market slow. Common to medium 3 15a4 25; good to prime 4 50a5 50; Chicago, Jan. 29. Wheat—Feb opened at \$1 01½; noon \$1 01½; March opened at \$1 09½; noon \$1 03c. Corn—Feb opened at 56½c; noon 55½c. March opened at 56½c; noon 55½c. Pork—Feb. opened at \$17 30; noon \$17 32½.

## St. Louis.

CATTLE Receipts, 1,900, shipments 1,700; market weak and shipping grades 10a20 lower; exports nominal at 5 75a6 00; good to choice shipping 5 00a5 50; light do 4 50a5 00; common to fair butchers 3 25 4 75; good to choice do 4 00a 4 50; stockers and feeders 3 50a4 25.

SHEEP Receipts 2,100; shipments 4,000; market steady and in good demand; common to medium 3 00a4 00; fair to good 4 25a5 00; prime to fancy 5 25a5 75.

St. Louis, Jan. 29. Noon. Wheat—Red winter, Feb. 1 02½c. Corn, Jan. 48½c. Feb. 48½c.

## Kansas City.

The Live Stock Indicator Reports:

CATTLE Receipts 618; market dull and weak. Native steers averaging 120 to 1500 pounds sold at 4 70a5 25; stockers and feeders, 3 75a4 50; cows 2 65a3 60.

HOGS Receipts, 3,945; market firm and 5c higher; lots averaging 229 to 324 pounds sold at 6 00a6 40.

SHEEP Receipts, 342, market steady. For good to choice at 3 75a4.

## Kansas City Produce Market.

Price Current reports:

BUTTER The supply continues heavy with a weak market.

We quote, packed: Creamery, fancy (nominal), 37a38; Creamery, choice, 30a33; Creamery, fair, 25a28; Kansas dairy, 23a24; Good to choice Western store packed, 15; Medium, 12a14.

EGGS Supply some improved but still scarce. We quote at 25c for strictly fresh stock mixed at 22a23c. Stale ice house lots at 18a20. Lined at 17c.

CHEESE Market steady.

Young America 15½c per lb; full cream flats 14c; cheddar 13c.

APPLES Quiet.

We quote home-grown cooking apples at 40c per bus; Genetens, 45a50c per bus; Wine Saps, 60a 80c per bus; Ben Davis, 90c per bus. In car load lots, common \$1.75 a 2.00 per bbl; choice assorted varieties, \$2.25a2.50; fancy, all red, large, \$3.00.

POTATOES We quote choice Northern in car load lots: Early Rose, 65a75c per bus. Peach Blows and Burbank, 75a80c per bushel. Peerless and White Meshannock, 70a75c. Early Ohio, 80a 85. Sacked, 5c per bus higher. Home grown in wagon lots, 65a70c.

SWEET POTATOES Red, 50a60c per bus from growers. Yellow, 70a80c per bus.

BROOM CORN Common, 2a3c per lb. Missouri evergreen, 4a4½c. Hurl, 5c.

FLAX SEED Quoted at \$1 09a1 10 per bus.

CASTOR BEANS Quoted at \$1 18a1 20 per bus.

WOOL We quote: Missouri and Kansas tub washed, 30a32c; unwashed, choice medium, 20a 21c; fair do at 17a19c; coarse, 16a18c; New Mexico, 14a18c.

## Arrears of Pay and Bounty

To Union soldiers reported on rolls as deserters. Act of August 7th, 1862. Increase of Pension. Thousands entitled under new laws, which are more liberal. Send stamps for blanks to Stoddard & Co., 413 G street, Washington, D. C. Pension and Bounty Claims a specialty.

## Patents Secured

H. K. JOHNSON & CO., patent agents, Washington, D. C. References: Hon J. A. Logan, Hon W. B. Allison. Send for Circular.



## Some 1882 Potato Experiences.

About the 20th of April I planted four acres of potatoes. Soil nicely prepared by deep plowing and harrowing. Potatoes were cut at noon and odd times the week previous. I selected as much as possible one strong eye to the largest piece of potato. With two men, each with a horse and diamond plow to open furrows and cover, and four drop-pers, succeeded in planting all in one day. Varieties planted were: Mammoth Pearl, Victor, Grange, Late Rose, Belle, Magnum Bonum, White Elephant, White Star, Early Ohio, Chicago Market, Clark's No. 1, Beauty of Hebron, Snowflake, La Plume Triumph and Peach Blow.

They came up in good time just escaping the heavy frosts that were so injurious to the early planted potatoes, and grew along nicely. The season was too dry, not more than two or three inches of rain falling from planting to maturity.

With the exception of Peach Blow, White Elephant and one plat of Snowflake, the yield was profitable.

The total yield was 1000 bushels of medium and large tubers with some 50 bushels of cut, small and injured ones. The most productive were the Mammoth Pearl, Victor, Grange, Late Rose, Magnum Bonum, Belle and La Plume Triumph, these all did nobly, and when run under with the digger, presented a handsome size as the rows lay strewn with good potatoes.

With a good season the yield would easily have been four to five hundred bushels per acre, as it was they gave about three hundred.

It was my third year's experience with Mammoth Pearl, Victor, Grange and Late Rose, the second with Belle, La Plume Triumph and Magnum Bonum. I think any of these safe for a good yield and to succeed the earlier varieties all that can be desired. The Victor and Grange probably more than the others holding their table qualities the latest and best. In addition to this planting the latter part of May I planted an acre to Peach Blows, the yield of merchantable potatoes being less than thirty bushels and about the same as the 20th of April planting of the same variety. As in former tests it repeats how very unprofitable a potato is the Peach Blow.

Of the early varieties Early Ohio was ready for market first, followed by Early Rose, Beauty of Hebron, Chicago Market and Clark's No. 1. Of these, all but the Early Ohio seem like Early Vermont and many other early varieties so closely related to Early Rose in habit, appearance and quality as to give them but little preference over that past valuable variety save in change of seed.

White Elephant had more faulty potatoes than any other variety. White Star is much its superior resembling it some in shape.

One plot of Snowflake was poor, while another plot gave a good yield of handsome potatoes.

My ground had been cultivated with tomatoes and potatoes the previous year, before that in sod for several years, was high and naturally well drained, much like thousands of acres that did not pay the cost of cultivation when the variety was Peach Blow. E. J. HOLMAN.

A farmer who once secures a supply of ice for Summer use will never afterwards be without it. Ice is indispensable for dairies either for butter or cheese, and is valuable in any cellar for keeping fresh meat in warm weather. A good ice house of moderate size can be built for \$30 or \$40, and the interest on the cost, with the trouble of filling it, are trifles compared with the convenience of having ice during the Summer.

The Indiana Farmer says one of its subscribers kept a record of the time, employed in cultivating fourteen acres of corn last season in the old fashioned way, and finds he gave about two days to the acre. The yield was 800 bushels, over 57 bushels to the acre. He estimates the value of his crop at \$320, and the labor expended on it at \$120, and deducting expenses, he claims a profit of \$14 per acre.

The Boston Cultivator says that the flowers of raspberries, where this fruit is largely grown, are ruining the honey product of the neighborhood. The bees like this food, but no human being has been discovered who appreciates the product. The honey from raspberry flowers is a dirty yellow in color, with a very disagreeable flavor.

## PLAIN TRUTHS

The blood is the foundation of life, it circulates through every part of the body, and unless it is pure and rich, good health is impossible. If disease has entered the system the only sure and quick way to drive it out is to purify and enrich the blood.

These simple facts are well known, and the highest medical authorities agree that nothing but iron will restore the blood to its natural condition; and also that all the iron preparations hitherto made blacken the teeth, cause headache, and are otherwise injurious.

BROWN'S IRON BITTERS will thoroughly and quickly assimilate with the blood, purifying and strengthening it, and thus drive disease from any part of the system, and it will not blacken the teeth, cause headache or constipation, and is positively not injurious.

## Saved his Child.

17 N. Eutaw St., Baltimore, Md. Feb. 12, 1880.

Gents:—Upon the recommendation of a friend I tried Brown's Iron Bitters as a tonic and restorative for my daughter, whom I was thoroughly convinced was wasting away with Consumption. Having lost three daughters by the terrible disease, under the care of eminent physicians, I was loth to believe that anything could arrest the progress of the disease, but, to my great surprise, before my daughter had taken one bottle of Brown's Iron Bitters, she began to mend and now is quite restored to former health. A fifth daughter began to show signs of Consumption, and when the physician was consulted he quickly said "Tonics were required," and when informed that the elder sister was taking Brown's Iron Bitters, responded "that is a good tonic, take it."

ADAM PHILIPS.

BROWN'S IRON BITTERS effectually cures Dyspepsia, Indigestion and Weakness, and renders the greatest relief and benefit to persons suffering from such wasting diseases as Consumption, Kidney Complaints, etc.

## 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, 73 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 122, 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. KATZ, 224 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.

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

B. F. DORAN, Bunston, 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, Sabetha, Nemaha 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. Biehholz, Wichita, Kas., LIVE STOCK AUCTIONEER, and Breeder of PURE BRED SHORT HORN CATTLE.

## Cattle and Swine.

W. W. WALTMIRE, Side Hill View Farm, Carbon-dale, Osage county, Kansas, breeder of Thoroughbred Short-horn cattle and Chester White pigs. Stock for sale.

CHAS. E. LEONARD, Proprietor of "Kavenswood" herd of Short-horn Cattle, Merino Sheep, Jacks and Jennets. P. O., Bell Air, Cooper county, Mo., R. R. station, Buncheon.

DR. 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, Hort, Jackson Co., Kansas, Breeders of thoroughbred Short-horn cattle, and JERSEY RED SWINE. Correspondence solicited.

THE Farm and entire stock of C. Pugsley, deceased, consisting of Durham Cattle, Merino Sheep, and Poland China Hogs for sale. Address S. E. PUGSLEY, Independence Mo.

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. WALTMIRE Carbon-dale, 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.

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 E. 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, Wabunnee 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.

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 \$8. Eggs in season from above at \$2 for 18. Stock warranted pure.

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

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 B. L. IVES, P. M., Mound City, Kas.

## Mrs. M. S. HEATH.

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

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

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 18.

PURE PLYMOUTH ROCK EGGS for sale, 18 for \$2.00, or 26 for \$3.50. Address Mrs. M. S. HEATH, Fontana, Miami Co., Kas.

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 18. Mrs. J. F. WALTERS, Emporia, Kas.

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

## NURSERYMEN'S DIRECTORY.

CATALPA TREE and Seed, Russian Mulberry Trees and Seed, Snyder and Taylor Blackberry Plants, Gregg and Souhegan Raspberry Plants, Crecent, sharpless and Manchester Strawberry. Send for catalogue and price list. E. H. ROUDEBU-SH & CO., Catalpa Grove Fruit Farm, Topeka, Kansas.

THE KANSAS HOME NURSERY. The largest assortment of Standard, Tried and New Fruit and Ornamentals. Trees of real merit and true to name, including new Apples, Peaches, Oriental, Hybrid, blight proof Pears, Champion and other Quinces, Russian Apricots; Dwarf Ever-bearing and Russian Mulberry, growing Grapes, earliest and hardy Small Fruits, Hedge Plants, etc. Price list to applicants. A. H. GRISEA, 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. 100 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 '88. WHOLESALE AND RETAIL.

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

## Topeka Business Cards.

THOS. H. BAIN, Att'y at Law. L. T. COLDREN. BAIN & COLDREN, Real Estate and Loan Brokers. Money on Farms at 7 per cent. 180 Kansas Avenue, Topeka, Kas.

BRODERSON & KLAUER, 189 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.

WELCH & WELCH, Attorneys at Law. 95 Kansas Avenue, Topeka, Kas.

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, 228 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.

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J. J. WELSH, Prop'r Commercial Hotel, St. Marys, J. Kansas, LIVE STOCK AUCTIONEER and VETERINARY SURGEON; with 25 years experience; will attend cases or make sales anywhere in the state. Write.

LIVE STOCK AUCTIONEER. Satisfaction guaranteed. Can give good references. J. G. D. CAMPBELL, Junction City, Kas.

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.

BOY NORTHERN-GROWN SEEDS. New wheat, yield 40 bushels per acre; New potatoes, 300 to 600 lbs. per acre; New Early corn, 100 to 200 bu. Russian Oats, the best in the world. Farm seeds a specialty. Send for plant and seed catalogue. JOHN A. SALZER, La Crosse, Wis.



## Horticulture.

### Douglas County Horticultural Society. ORGANIZATION.

The Douglas County Horticultural Society was organized Oct. 3d, 1887, with seven members only, G. C. Brackett, present Secretary of the State Horticultural society, being the leading spirit in that enterprise, and the only one of the seven still connected with the society. The membership has steadily increased until it has numbered over 50 working members.

In addition to contributions from members themselves, the society is often favored with lectures on scientific subjects relating to horticulture, by different Professors in the State University.

Almost half the membership is composed of ladies who take part in the discussions and often favor the meetings with poems and essays on the æsthetic features of horticulture such as floriculture, home adornment and kindred subjects. At every meeting they prepare a bountiful and social repast, thus combining enjoyment, pleasure and business. This social feature of the meetings is considered one of the factors of the success.

#### MEETINGS.

The first meetings of the society were held in James Christian's law office located in the city of Lawrence. Since then they have been held in various places and in all parts of the county. Experience has proven that the beneficial influence of the society is more widely diffused, and the interests of horticulture better promoted by this plan than by holding them in one stated place, though that place may be central. In those townships of the county where the meetings have been most frequently held may be found the most fruit, the best orchards and the greatest intelligence and enterprise. These results are plainly traceable to the influence extended by the society.

The past has been largely experimental from which present results are invaluable not only to our own county but to the State at large. From the experience of the past we have learned what, when, and how to plant. Our efforts in the future will therefore insure more profitable and successful results.

The interest in our society is by no means on the wane, as new members are being constantly added, and the good resulting in the past, is but an earnest of what may be achieved in the future.

At the last annual meeting the society elected for its president that veteran horticulturist E. A. Colman, who, notwithstanding his years number "three score and ten," is still full of enthusiasm in the good work and considers it a privilege to labor with those who are striving for the amelioration of the race by learning how to produce better gardens, more fruitful orchards and vineyards, and more beautiful and happy homes.

S. REYNOLDS, Secretary.

#### Some Useful Hints.

##### Editor Kansas Farmer:

It is curious to know what a poor opinion some men and especially farmers have of their ability to write, or in public to tell anything of use or benefit to others. At our last Horticultural meeting I was newly impressed with this fact. Geo. W. Bailey, one of our very best thinkers and actors on Horticulture was pushed to the front as chairman on Pomology—had to say something. In about ten minutes, at least one-half of that time, pleading "non compus," he told us what would be worth a million dollars per annum to the State if farmers knew it as he knows it—to act on it.

1. Know how many trees you want to plant and have the ground well prepared, holes dug, all ready.

2. Learn from the best source available the varieties of each to plant. (The report of the Secretary of the State Horticultural Society is good until you have better in your own county.) A list prepared from the experience of the most successful fruit growers.

3. To go to your best nursery and dig up all the roots of not over two years old. Yearlings preferred, don't trim any. Label carefully, tie each kind by itself—dump into wagon, cover with plenty of damp hay, and

hurry home and plant as fast as taken from under the wet hay, tramping the ground well and mulching as soon as convenient.

4. Examine other orchards and see the effect of pruning—and look at yours carefully for two or three weeks before you trim a limb. If you cut the wrong limb—repentance will do no good. If you do not trim quite enough, you can, in the future correct that.

5. Cultivate well and careful—for the benefit of the trees and not for the crop you shall raise on the ground. The less the crop taken off the better. Prefers a crop of well mulched potatoes—leaving the mulch to rot and pay the trees for the amount of potatoes stolen from them. The last idea reminds me of Capt. H. N. Gillett who said, the very best crop to raise in an orchard in south Ohio was red clover. Some were much surprised at the Captain, as red clover was such a heavy feeder—asked how and when when to cut the clover. He answered: "O, any very rainy day in June, and pile it up just under the out edge of the limbs of each tree." It was a whole lecture, covering the subject entirely.

Some member of our society suggested as an amendment to Bailey's proposition, to get 200 grafts of the nurseryman in the spring—ready to set in the nursery, and plant them deep two in a place. Just where you wish your future tree, cultivate well, sell the odd one, if both grow, in the fall to your neighbor, and you would get a better tree in less time and cost. It was also suggested to only buy one budded peach of a variety and set peach seeds where you want the trees to grow, cultivate well, and bud in August or September from your bought trees as near the bottom of the tree as possible, two or three inches below level is best, and cover till next spring, then cut an incision above the bud and pinch out all matured buds. When the bud gets an inch or two high cover the lower part with earth. If properly attended two roots will usually start from the new stem. In two to four years these last will be the best and will be much longer lived. No nut-bearing tree should have the tap root cut.

We find some live Horticulturists in our county since the organization of our society. A well organized and patronized Horticultural Society in each county would be a quietus to the average tree peddler.

GEO. T. WALTON.

#### The Bad and Worthless

are never imitated or counterfeited. This is especially true of a family medicine, and it is positive proof that the remedy imitated is of the highest value. As soon as it had been tested that Hop Bitters was the purest, best and most valuable family medicine on earth, many imitations sprung up and began to steal the notices in which the press and people of the country had expressed the merits of H. B., and in every way trying to induce suffering invalids to use their stuff instead, expecting to make money on the credit and good name of H. B. Many others started nostrums put up in similar style to H. B., with variously devised names in which the word "Hop" or "Hops" were used in a way to induce people to believe they were the same as Hop Bitters. All such pretended remedies or cures, no matter what their style or name is, and especially those with the word "Hop" or "Hops" in their name or in any way connected with them or their name, are imitations or counterfeits. Beware of them. Use nothing but genuine Hop Bitters, with a bunch or cluster of green Hops on the white label. Trust nothing else. Druggists and dealers are warned against dealing in imitations or counterfeits.

## 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 seedsmen inaugurated the practice of testing all seeds before selling. From the small tests begun in 1872, this practice has extended and become so systematized that the past season it required the entire use of one of our largest greenhouses for our seed tests during the fall and winter, and afterwards in spring in the open ground we had set out many thousands of plants, representing the stock in vegetable seeds alone of over 500 growers. All these tests are carried on under the personal 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 connected with the soil, it will be seen that we are placed in a position to judge, not only as to the germinating properties, but what is of far more importance, the purity of the seeds 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 interest to do so. Our Catalogue for 1888 of Everything for the Garden is now ready, and will be mailed free on application.

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

**Flower Seeds** Large packets of mixed flower seeds one dime. Address, Mrs. MARY J. COOMBS, Kalo, Webster County, Iowa.

## DARBY'S PROPHYLACTIC FLUID

For the prevention and treatment of Diphtheria, Scarlet Fever, Smallpox, Yellow Fever, Malaria, &c.

The free use of the FLUID will do more to arrest and cure these diseases than any known preparation.

### Darby's Prophylactic Fluid,

A safeguard against all Pestilence, Infection, Contagion and Epidemics.

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.

J. H. ZEILIN & CO., Proprietors,  
Manufacturing Chemists, Philadelphia.

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

## 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.

At present a Daily Train is run from St. Louis Grand Union Depot, attached to which will be found an elegant Pullman Palace Sleeping Car, which runs through to Nashville, Tenn., where direct connections are made with Express Trains of connecting Lines, for points mentioned above. This Train connects at Nashville with the Jacksonville Express, having a Pullman Palace Sleeping Car of the very finest make attached, which runs through to Jacksonville, Florida, without change.

For further information address

C. B. KINNAN,  
Asst. Gen'l Pass. Agent.

F. CHANDLER,  
Gen'l Pass. Agent.

## \$25 In Premiums to purchasers of LEE'S FAVORITE POTATO

The best extreme early. Now first offered—70 cts. per lb. by mail. For conditions and full description of this and many other varieties of POTATOES, SMALL FRUIT PLANTS, GRAPES, TUBEROSES, the best EARLY SWEET CORN—"Ford's," the best EARLY TOMATO—"Alpha," EARLY COLTON Apple, etc. Send for my Catalogue. It will pay you to do so before placing your orders. FRANK FORD, Ravenna, O.



### 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.

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Absolutely Pure.

This powder never varies. A marvel of purity, strength and wholesomeness. More economical than the ordinary kinds, and cannot be sold in competition with the multitude of low test, short weight, alum or phosphate powders. Sold only in cans. ROYAL BAKING POWDER CO., 106 Wall-st., N. Y.

And large stock of Apple, Pear, Plum, Cherry, Apricot Quince, Grape Vine, Gregg Raspberry, Snyder's Blackberry, and small fruits, Evergreens, Roses, etc. The best shipping point and best facilities for packing of any establishment in the West. Orders from planters given special attention. Prices on application.

KELSEY & CO.  
VINELAND NURSERIES,  
St. Joseph, Mo.

SPLENDID! 50 Latest Style chromo cards, name, \$100. Premium with 8 packs. E. H. Fardee, New Haven, Conn.

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A SURE CURE FOR

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Nervous Exhaustion arising from over-  
work or excess of any kind,  
—AND FOR—

## Female Weaknesses.

—IT PREVENTS—

Malarial Poisoning and Fever and Ague,

And is a Specific for Obstinate

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PRICE \$1.00 PER BOTTLE; SIX FOR \$5.00

SOLD BY DRUGGISTS EVERYWHERE.

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The ATCHISON, TOPEKA  
and SANTA FE R.R. CO.  
have now for sale

## TWO MILLION ACRES

Choice Farming and  
Grazing Lands, spe-  
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Wheat Growing,  
Stock Raising,  
and Dairying,  
located in the  
Ottawa Valley  
and also in  
the Southwest Kansas

## SOUTHWEST KANSAS

FOR FULL PARTICULARS, ADDRESS  
A. S. JOHNSON,  
Land Commissioner A. T. & S. F. R. R. Co.  
Topeka, Kansas.

# LANDS



Dana's White Metallic Ear Marking Label, stamped to order with name or name and address and numbers. It is reliable, cheap and convenient. Sells at sight and gives perfect satisfaction. Illustrated Price-List and samples free. Agents wanted. O. H. DANA, WEST LEBANON, N. H.

## Short-horn Bull Calves FOR SALE.

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

## For Sale

For Sale or Trade, for other Stock, 3 Thoroughbred Short-horn Bulls. H. W. McAFEE, Three miles west of Topeka, on 8th st. road.



## Lyon County Wool Growers.

This county has now 30,000 fine woolled sheep and about 50 growers. The majority of the flocks are free from the scab. The regular meeting of this association was held at Emporia last Saturday. Several members were chosen to represent the county at the State Wool Grower's Association, and the following resolution was adopted:

**Resolved,** That the proper handling and preparation of wool for sale is a matter of vital importance to the welfare of wool-growers, and it should be one of the prominent objects of this association to enlighten wool-growers as to their duty in this respect, and to expose without fear or favor the deliberate introduction of refuse matter into fleeces prepared for sale.

The time was devoted to an interesting and general discussion upon the different features of the industry. Kansas would take the lead as to profit with sheep were it not for scab. The best remedy is good feed and proper care. Experience showed that cane is a superior feed, not only for sheep but for all live stock, the entire stalk, leaves and seed can be utilized. A ton of millet is worth three of prairie hay. The prospect for the crop of wool next spring is good and bids fair to be heavier and of a better quality. The wool this season was a disappointment in eastern markets. It was agreed that much education is needed, in the matter of putting up wool for market intelligently and honestly. This new association which we organized will be a valuable faction for the industry in this county.

To find the number of bricks in a wall, first find the number of square feet of surface, and then multiply by 7 for a 4 inch wall, by 14 for an 8 inch wall, by 21 for a 12 inch wall, and by 28 for a 16 inch wall.

### SHEEP SCAB CURED

BY

### LITTLE'S

### CHEMICAL FLUID,

THE INFALLIBLE REMEDY.

Used COLD at all seasons of the year. Ticks, Red Lice, Borers and Tapeworms destroyed. Sore Eyes and Fly-blows cured. No CARBOLIC; non-poisonous; harmless when used either externally or internally; improves quality and quantity of wool more than cost of two dippings every year.

Send for price list, testimonials and directions.  
**JAMES HOLLINGSWORTH,**  
210 LaSalle St., Chicago, Ill.



**THE BATCHELLER**  
Barrel Churn: the Cheapest and Best. No iron rim in top for butter or cream to adhere to. All sizes made up to 300 gallons. Lever and Roller Butter Workers Also all sizes Box Churns for Creameries. All goods warranted as represented. Dairy churn at wholesale price where we have no agent. Send for circulars to H. F. Batcheller & Son, Rock Falls, Ill.



**R. T. McCULLLEY & BRO.,** Lee's Summit, Mo., breeders of thoroughbred American Merino Sheep. 50 choice yearling Ewes in lamb to Rams valued at \$1,000. Each will be sold at a bargain if taken in the next 30 days; will sell in lots to suit purchasers. Also a fine lot of light Brahma cockerels of the Duke of York and Autocrat strain. We solicit your patronage and guarantee a square deal.



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For Stock Feed or Meal for Family use.  
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### Poultry and Egg Farm

DAVIS & NYE, - - LEAVENWORTH, KAS.

Forty varieties of the leading Land and Water Fowls, including Brahmas, Cochins, French, American, Plymouth Rock, Hamburgs, Polish, Leghorns, Spanish, Dorkings, Langshans, Guineas, Bentams, Ducks, Geese and Turkeys. 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.

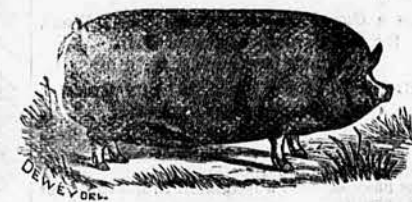
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#### Breeders of REGISTERED MERINO SHEEP.

None but the very best stock that money and experience can produce or procure are used for breeders. A few choice Rams for sale, ready for service this fall.



WM. BOOTH, Leavenworth, Kas., Breeder of Thoroughbred Berkshire Swine. I am using three Boars this season, at the head of which stands Gentry's Lord Liverpool No. 3615, sire Lord Liverpool No. 221. I am breeding twelve as fine Sows as the country can produce. Most of them Registered, and eligible to registry. Stock for sale and satisfaction guaranteed. My stock are not fitted for the show ring, but for breeding only. Send for prices.



#### Poland China and Berkshire Hogs.

We have the largest herd of pure bred hogs in the state. For ten years past we have been personally selecting and purchasing, regardless of cost, from the leading Poland China and Berkshire breeders throughout the United States. Choice animals to breed from and breeding them with much care. By the constant introduction of new blood of the best strains of each breed we have brought our entire herd to a high state of perfection. We keep several males of each breed not of kin that we may furnish pairs not related. Chang 263 and U. S. Jr. 781 American Poland China Record; and Peerless 2135 and Royal Nudener 3347 American Berkshire Record are four of our leading males. We have as good hogs as Eastern breeders, and have a reputation to sustain as breeders here. We have over \$10,000 invested in fine hogs and the arrangements for caring for them, and cannot afford (if we were so inclined) to send out inferior animals. We intend to remain in the business and are bound to keep abreast of the most advanced breeders in the United States. If you want a pig, or pair of pigs, a young male or female, a mature hog, or a sow in pig, write us.

**RANDOLPH & RANDOLPH,**  
Emporia, Lyon Co., Kas.

#### High Class Berkshire Swine.

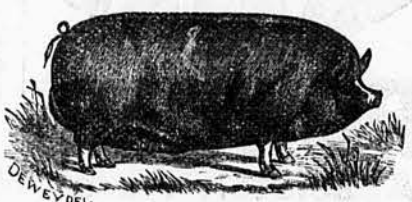
The attention of Swine Breeders is called to the famous Manhattan Herd of Berkshires

#### Bred by A. W. ROLLINS.

This herd has won 143 high class premiums; including 58 prizes and 13 sweepstakes won this season, showing from Manhattan to St. Louis, and winning the

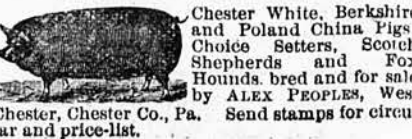
#### Grand Sweepstake Prize at St. Louis.

Also have for sale a number of  
**Young Boars,**  
fit for service, and a very fine lot of  
**Young Sows,**  
either bred or not, at very reasonable prices. Send for catalogue. Satisfaction guaranteed.  
**A. W. ROLLINS,**  
Manhattan, Kas.



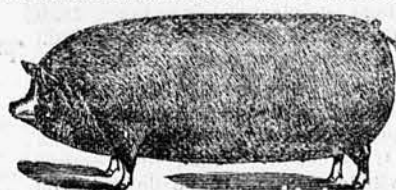
**J. J. ATHERTON,**  
EMPORIA, : : KANSAS,  
Breeder of POLAND-CHINA and BERKSHIRE SWINE.

Seventy five choice young Berkshires ready for sale; also, Buff and Partridge Cochins, Light Brahma, and Plymouth Rock poultry eggs in season. Terms reasonable. Write.



Chester White, Berkshire and Poland China Pigs. Choice Setters, Scotch Shepherds and Fox Hounds. bred and for sale by ALEX PEOPLES, West Chester, Chester Co., Pa. Send stamps for circular and price-list.

#### Established in 1868.



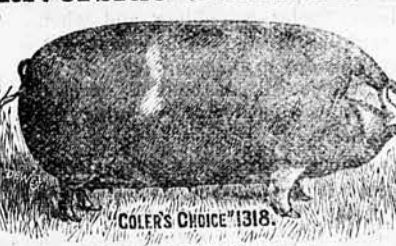
#### RIVERSIDE FARM HERD.

#### Poland and Berkshires.

I warrant my stock pure-bred and competent for registry. I have as good Boars at head of my herd as the country will afford, and defy competition. Parties wishing Pigs of either breed of any age or sows ready to farrow, can be accommodated by sending orders. I send out nothing but FIRST CLASS STOCK, and warrant satisfaction. Give me a trial.

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Breeders of Poland China Swine, Shepherd Dogs and Plymouth Rock Fowls. Our Spring pigs are by our boars Brag 1379; Sandbar 1931; Roderick Dhu 1921, and the young boar Blackfoot by Aaron 1241; Dam 1XL 4th 3210, and are coming of fine quality. Send for circular and price list. We have reduced rates by express. P. O. Address, Junction City, Kas.

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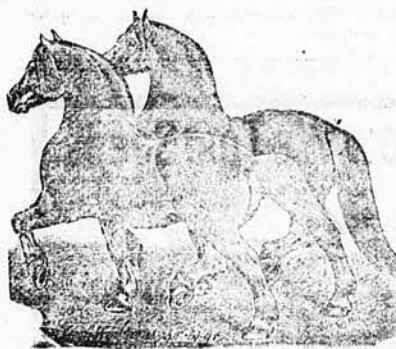
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Have now on hand over 500 head; as fine a show as can be found in the world. All imported animals selected by members of our firm in person. Illustrated catalogue of stock sent free on application. All imported and native full-bloods entered for registry in the National Register of Norman Horses. Come and see us. We can interest any lover of a good horse.



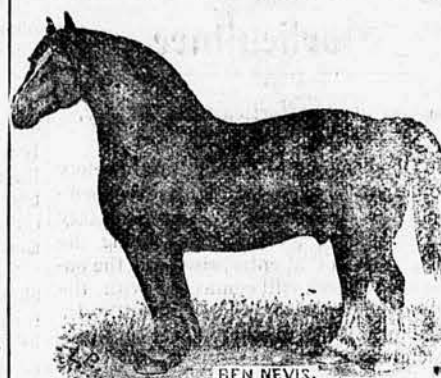
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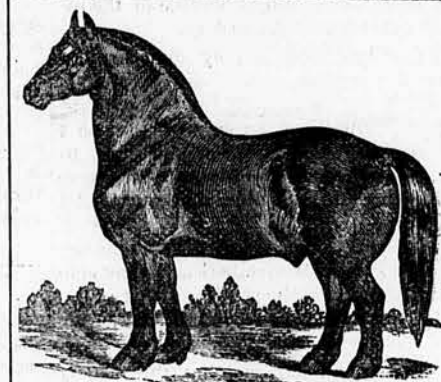


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Trotting-Bred Roadsters,  
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Our customers have the advantage of our many years' experience in breeding and importing, large collections, opportunity of comparing different breeds, low prices, because of extent of business, and low rates of transportation.

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**POWELL BROTHERS,**  
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Carefully selected in France by myself, aided by experienced French experts. My last importation consists of 30 large and vigorous stallions which are now thoroughly acclimated and in prime condition. I am offering this magnificent exhibition of fine Normans for sale and will warrant each horse. All inquiries cheerfully answered.



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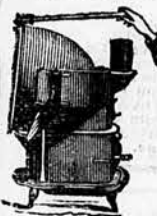
We have a large stock of Swiss Watches which we wish to dispose of, and to this end, we are willing to make an EXTRAORDINARY OFFER which will be for the interest of every reader to accept at once. These watches have Nickel Movements, Finely Jewelled, and every watch is thoroughly tested by us before shipment to insure their Entire Accuracy as Time-keepers. The heavy cases, Engine-turned and Elegantly Engraved, are made from a composition of metals more closely resembling gold than any other that has yet been discovered, are Elegantly Finished and Will Stand the Acid Test. They are as perfect in appearance as a \$150 gold watch. This is as handsome a watch as can be found, and the only low-priced watch which is of value as a time-keeper. Our regular price for these watches is \$15, but in order to introduce them quickly, we will, on receipt of only Eight Dollars send a sample watch by Registered Mail or Express to agents, or any one who, if entirely satisfied, will show and recommend it to their friends. If not entirely satisfied, you can at once, upon its receipt, return it to us, and your money will be refunded. We do not know how to make a fairer offer. This watch is just the thing for Farmers, Mechanics, School Teachers, Professional Men, and all who want a good and stylish watch at a low price. We also have an elegant Lady's Watch the same in all respects (excepting smaller) at the same price. Elegant gold-plated Chains of the most fashionable patterns, for either ladies or gents, at \$2.00. We guarantee satisfaction. Take advantage of this great offer by ordering at once.

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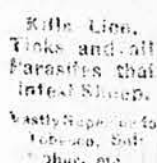
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With 28 FREE. Warranted perfect. Light running, quiet, handsome and durable. Sent on test trial-plan when desired. HAPPY HOME ORGANS! 4 sets Beeds, 12 stops, Mechanical Sub Bass, octave coupler, 2 knee-swells, with 11 stool and 11 book, ONLY \$25. Also sent on test trial-plan if desired. Elegant case, magnificent tone, durable inside and out. Circular, with testimonials, sent. Address: J. PAX & CO., 47 Third Avenue, Chicago, Ill.

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## AGENTS can now grasp a fortune. Outfit worth \$50 free. Address E. G. RIDEOUT &amp; CO., 10 Barclay St., N. Y.



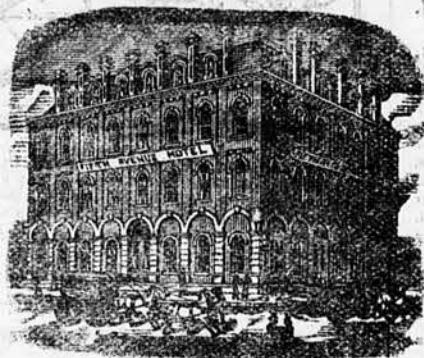
Kills Lice, Ticks and all Parasites that infest Sheep. Easily Applied to Wool, Skin, etc.

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. Circulars sent post-paid, upon application, giving full directions for its use; also certificates of prominent sheep-owners who have used large quantities of the Dip, and pronounce it the most effective and reliable exterminator of scab and other kindred diseases of sheep.

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Every Farmer should have a good Weekly Newspaper.

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Is the most complete Kansas weekly newspaper published. Sample copy free to every applicant. Sent one year for \$1.00. Address,

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THIS COMPOUND gives QUICK RELIEF in Coughs, Colds, Sore Throat, Hoarseness, Croup, Soreness of the Lungs from Coughing, Pneumonia, Pleurisy, Bronchitis, Catarrh, Asthma, Whooping Cough, Measles, and Consumption. Large bottle 25 cts. Small bottle 12 cts. Sold by all Druggists. Price only 25 cents.

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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.

A Common-sense Remedy.

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No more Rheumatism, Gout or Neuralgia.

Immediate Relief Warranted.  
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Five years established and never known to fail in a single case, acute or chronic. Refer to all prominent physicians and druggists for the standing of Salicylica.

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THE ONLY DISSOLVER OF THE POISONOUS URIC ACID WHICH EXISTS IN THE BLOOD OF RHEUMATIC AND GOUTY PATIENTS.

**SALICYLICA** is known as a common-sense remedy, because it strikes directly at the cause of Rheumatism, Gout and Neuralgia, while so many so-called specifics and supposed panaceas only treat locally the effects. It has been conceded by eminent scientists that outward applications, such as rubbing with oils, ointments, liniments, and soothing lotions will not eradicate these diseases which are the result of the poisoning of the blood with Uric acid.

**SALICYLICA** works with marvelous effect, removes the disorder. It is now exclusively used by all celebrated physicians of America and Europe. Highest Medical Academy of Paris reports 95 per cent cures in three days.

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that SALICYLICA is a certain cure for Rheumatism, Gout and Neuralgia. The most intense pains are subdued almost instantly.

Give honest. Refund guaranteed or money refunded. Thousands of testimonials sent on application.

61c Box. 6 Boxes for \$5.

Send free by mail on receipt of money.

ASK YOUR DRUGGIST FOR IT.

But do not be deceived into taking imitations or substitutes, or something recommended as "just as good." Insist on the genuine with the name of Washburne & Co. on each box, which is guaranteed chemically pure under our signature, an indispensable requisite to insure success in the treatment. Take no other or send to us.

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BIG Wages summer and winter; samples free. National Copying Co., 300 W. Madison St., Chicago, Ill.

## Kansas City Stock Yards,

Covers 120 acres of land. Capacity 10,000 Cattle; 25,000 Hogs; 2,000 Sheep, and 300 Horses and Mules.

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C. P. PATTERSON, Traveling Agent.

Buyers for the extensive local packing houses and for the eastern markets are here at all times, making this the best market in the country for Beef Cattle, Feeding Cattle, and Hogs.

Trains on the following railroads run into these yards:

Kansas Pacific Railway, Kansas City, Fort Scott & Gulf R. R., Kansas City, St. Joe & Council Bluffs R. R., Hannibal & St. Joseph R. R., Wabash, St. Louis & Pacific Railway, (Formerly St. Louis, Kansas City & Northern Railroad,) Chicago, Rock Island & Pacific R. R., Atchison, Topeka & Santa Fe R. R., Kansas City, Lawrence & Southern R. R., Missouri Pacific Railway, Missouri, Kansas & Texas R. W., Chicago & Alton Railroad, and the Chicago, Rock Island & Pacific R. R.

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We Have More Prize Winners than any Stud in the United States.

We took Six First Premiums, including Sweepstakes on all ages at the Illinois State Fair, Sept., 1882. Have made Four Importations in the past year.



Have Horses and Mares, all ages, For Sale.  
SEND FOR CATALOGUE.

THOROUGHbred POLAND-CHINAS,  
—As Bred by—  
A. C. Moore & Sons, Canton, Ill.

We are raising over 800 pigs for this season's trade. Progeny of hogs that have taken more and larger sweepstakes and pork-packer's premiums than can be shown by any other man on any other breed. Stock all healthy and doing well. Have made a specialty of this breed for 24 years. Those desiring the thoroughbred Poland-Chinas should send to headquarters. Our breeders will be registered in the American Poland-China Record. Photograph of 25 breeders, free. Swine Journal 15 cents. Prices to suit the times. Two shipments made to Hamburg, Germany, in 1881; one order for 1882 to fill from same parties. Certificate of purchase with each sale and pedigree when required.

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10 Years' Practical Use.

BARNES'

## WIRE CHECK ROWER.

First and Only Entirely Successful Wire Check Rower ever Invented.

Popular because Simple and Easy to Operate. Ten years practical use has proven the success of the Barnes' Check Rower beyond question. It has the lead with the dealers and the farmers, who have rendered an unanimous verdict that it is the best Check Rower made. The following are the advantages over any other Check Rower, and all claims established by actual use:

Use of wire in place of a rope; and that one wire will outlast two ropes. The wire does not stretch and shrink like a rope. The wire does not cross the machine, thus avoiding a GREAT WEAR AND STRAIN ON THE WIRE, and friction on the pulleys, and making a wire that does NOT cross the machine outwear several wires that do cross.

CHAMBERS, BERING, QUINLAN CO., Exclusive Manufacturers, DECATUR, ILLS.



CLOSES ON OUTSIDE OF NOSE.

Only Double Ring Invented.

Champion Hog Ringer,  
Rings and Holder.

The only Ring that will effectually keep hogs from rooting. No sharp points in the nose.

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Only Single Ring ever invented that closes on Outside of the Nose.

BROWN'S  
Elliptical Ring  
And Triple Groove Hog and Pig Ringer.

Only Single Ring that closes on the outside of the nose. No sharp points in the flesh to keep it sore.

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## PUBLIC SALE OF SHORT-HORNS.

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, Criggs, Priceciets, Cambrias, Agathas, Dairy Maids, Picturosos, &c. The cows are sired by the 11th Duke of Thordale (827.) 3d Duke of Oueda (1773.) Duke of Woodland (64 S.) 5th Lord Oxford (766.) Oxford Brigand (9049.) Kirklevington Duke 2d (10121.) 1st Cambridge Rose Duke (4840.) 2d Cambridge Rose Duke (4841.) Oxford Roan Duke (9059.) Duke of the Roscs (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.

Col. L. P. MUIR, Auctioneer.

H. D. AYRES.

Terms Cash.



Mixes perfectly with Cold Water. Safe to use in Coldest Weather. It is a sure cure for all skin diseases and insect pests of domestic animals. Every farmer should keep it. For the various uses of the Dip see our paper of January.

T. W. LAW FORD, Gen'l Agent, 296 E. Cass-street, Baltimore, Md.  
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For Home Gardens. Our ILLUSTRATED GARDEN MANUAL is a beautiful book given away to all. Send for it and examine our prices and premium list. MARKET GARDENERS write at once for our wholesale price-list. Sent FREE. J. B. ROOT & CO., ROCKFORD, ILL.



## Burr Clover, of California.

What among Californians is known as the "native grass" is not a grass at all, but distinctly a clover, with stalks, branches and leaves almost identical in shape, but not in appearance, with the common red clover of the east, and is known on the Pacific coast as Alfalfa, or burr clover.

In central and southern California this clover is everywhere from the lowest level up to an altitude two thousand feet above the sea; occasionally on the sides of high hills it is flecked with patches of bunch grass and, during the rainy season, is always accompanied on its life's journey with myriad wild flowers as various in hue and belongings as in species.

Is Alfalfa valuable for grazing? In a somewhat varied experience, extending through considerable time and many places, I have never found its equal in fattening capacity when fully matured.

It is the only grass or clover I have ever seen that fully transmits all nutriment of blade and leaf to its seed, wherefore it is worthless as hay after the seeds have fallen.

When the autumn rains begin the life dormant in the Alfalfa burrs during the long dry season is awoke and if the rain continues for a week without cessation, as may be expected, the yellow green germs of the Alfalfa will be bursting through the two inches of dust—the debris of the dry season—and when the rain stops, the clouds unroll and you find the valley you inhabit carpeted far and near with an inimitable green, and framed by the pure white of snow that has fallen upon the mountain tops. The flowers are started and before you can quite accustom your glad eyes to the change the clover is long enough for cows to crop, and the milk and butter are flavored with an indefinable odor of something new.

After the stalks have attained nearly their full height, say six inches to a foot (determined not by the quality, but condition of the soil) at the angle of each branch with the main stalk and at the angles of subdivisions, the brilliantly red and and wonderfully small bloom gives place to an incipient burr coiled after the manner of a spiral spring, barbed with innumerable points, hollow, and at maturity filled with from ten to twenty white oily seeds, each half as large as a grain of Kansas wheat. The growth on the ground is as dense and more evenly distributed than red clover in the fields of eastern farmers, and is apparently indestructible, much of it having been grazed upon continuously for perhaps one hundred years.

When the rainy season has passed the Alfalfa assumes a wonderfully golden brown color denoting maturity, and soon thereafter the stalks are broken square off at the top of the ground, and one may take together a great deal of good cow feed without mowing. This breaking off of each stalk at the surface of the ground is a singular provision. The burrs hang on yet awhile like insatiable wood-ticks determined to exhaust the last pinch of nutriment from the dying stalks; but that accomplished, they drop off and drift through the mass of stuff to the ground. In many places I have seen hundreds of acres covered to a depth of two inches with Alfalfa burrs and when it is remembered that each burr is almost nutritious as a grain of corn the value of the plant will be better understood.

The burrs fall after the dry season has begun and remain sound and sweet throughout the long dry summer and part of the autumn, furnishing an abundance of splendid food at a time when all other grasses not irrigated are brown and lifeless.

I remember once observing a large flock of sheep near Santa Barbara enclosed in what was apparently a barren field and was much puzzled to know where they obtained food, since all were fat, until I dismounted from my mustang and examined the dust of the field; taking up a double handful I blew upon it and found that the bulk in my hands was mostly burrs of the Alfalfa, and further observation discovered that the sheep found the burrs in the same way, that is, they put their nose to the ground, blew away the dust, and then helped themselves to the bountiful spread.

Would Alfalfa grow in Kansas? *Quin Sabel*  
AGRICOLA.

The Northwestern Poland China Swine Association met in Washington, Kas., last week. The report of J. O. Young, Secretary, shows the society to be in good condition. It was voted to allow all stockholders free registry on all eligible stock which they have sold or will sell before May 1 next. H. E. Billings is President and J. O. Young Secretary. Annual meetings are fixed for second Fridays in October. The stockholders will meet again at Washington first Friday in May next when arrangements will be made for issuing Vol 1 of the Northwestern Poland China Record. This Society ought to have attention from all Kansas breeders.

H. W. Pearsall, the Cardiff Giant stock man and auctioneer, of Lyon county, proposes leaving Kansas for a little season, and round up in Colorado and New Mexico, where he will have room to spread himself.

## DIAMOND DYES.

Best Dyes Ever Made.  
FOR SILK, WOOL, OR COTTON. DRESSES, COATS, SCARFS, HOODS, YARN, STOCKINGS, CARPET RAGS, RIBBONS, FEATHERS, or any fabric or fancy article easily and perfectly colored to any shade. Black, Brown, Green, Blue, Scarlet, Cardinal Red, Navy Blue, Seal Brown, Olive Green, Terra Cotta and 30 other best colors. Warranted Fast and Durable. Each package will color one to four lbs. of goods. If you have never used Dyes try these once. You will be delighted. Sold by druggists, or send us 10 cents and any color wanted sent post-paid. 24 colored samples and a set of fancy cards sent for a 3c. stamp. WELLS, RICHARDSON & CO., Burlington, Vt.

## GOLD and SILVER PAINT.

Bronze Paint. Artists' Black. For gilding Fancy Baskets, Frames, Lamps, Chandeliers, and for all kinds of ornamental work. Equal to any of the high priced kinds and only 10c. a package, at the druggists, or post-paid from WELLS, RICHARDSON & CO., Burlington, Vt.

**FOREST TREES**  
Catalpa Speciosa, White Ash, European Larch, Pines, Spruces, Arbor Vitae, etc., etc. Catalpa Speciosa Seed Forest and Evergreen Seeds. R. DOUGLAS & SON, Waukegan, Ill.

## 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.

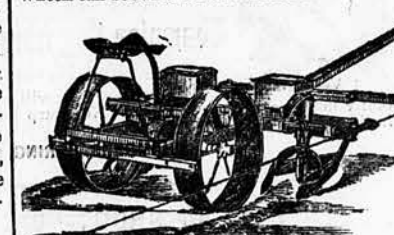
**WHAT CAN WE SAY OR DO TO GET YOU TO TRY OUR SEEDS**  
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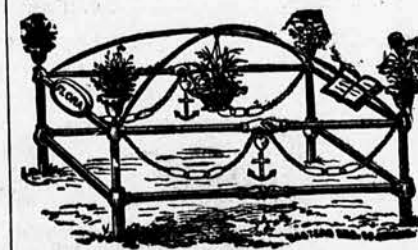
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## THE STRAY LIST.

(Continued from page 15.)

**Nemaha county—Joshua Mitchell, clerk.**  
**STEER**—Taken up by J. M. Randel, Red Vermillion tp, January 11, 1883, 1 red yearling steer, swallow fork in both ears, mottled face; valued at \$16.  
**Johnson County—Frank Hutton, Clerk.**  
**HEIFER**—Taken up by J. H. Poston, 2½ miles east of Shawnee, posted Dec. 16, 1882, one red and white heifer, about 2 yrs old, no marks or brands perceivable; valued at \$16.  
**COW**—Taken up by Wm Quarles, of Oxford tp, January 3, 1883, one roan cow, about seven years old, horns nearly upright and points sawed off, bag spoiled; valued at \$17.  
**TWO MULES**—Taken up by E. D. Wilson, of Monticello tp, posted Nov. 1, 1882, 1 span of work mules, both horse mules, black, 10½ hands high, age unknown, one has right fore hoof broken off, both have one shoe on right hind foot, both have harness marks, no brands; value of both \$70.

**Atchison County Chas. H. Krebs, clerk.**  
**COW**—Taken up by John Cawley, Center tp, (Farmington P. O.) January 1, 1883, 1 white cow, black neck and ears, 8 yrs old; valued at \$20.  
**HEIFER**—Taken up by David Miller, Shannon tp, (Atchison P. O.) January 11, 1883, 1 red heifer, brush of tail white, wire muzzle on nose, 1 year old; valued at \$16.

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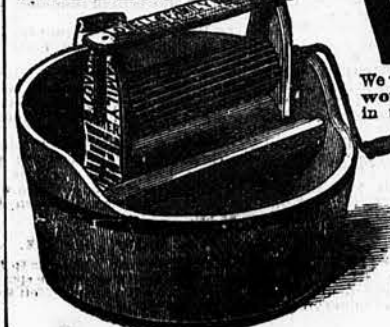
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