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# The Kansas Farmer.

J. K. HUDSON, Editor & Proprietor, Topcka, Kan

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Officers of Kansas State Stock Growers' Association.

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Kortienlture.

For the Kansas Farmer.

TREELESS PLAINS .- Conclued.

BY C. W. JOHNSON

Such I claim to be the general law of our seasons. There are many indices which forecast, in the fall and early winter, what is going on in the heavens above; but in the absence of exact data, "measure and weight," those criterions of the true man of science, these must be necessarily so much of opinions and estimates, that they are not reliable for prescience, thought excellent for guessing, on the side of the weight and probabilities. Some Myers) guesses at the daily variations of the weather a week in advance. The writer has guessed at the corn crop now four successive seasons, with excellent success, making his guess as early as corn planting time, though drouth of the past season, would strike as early as June 20th, and abundant rains which fell between that time and July 4th, from a snowfield reported light, give the "moon sign" folks their day's triumph over him, and almost shook his faith in the doctrine of the immutabillity of God's laws, and to raise a suspicion that a sufficient amount of "flopping,' might bring rain whether there had been any snow in the mountains or not.

There are certain facts connected with our rains and snows, which I think observers may verify, if they have not done so, which will be of interest, doubtless, whem grasped together. Our common rains nearly all follow a stiff warm breeze from the south, the easterly inclined the more certain to bring rain; four days of such winds general being sufficient. The rain clouds rise against this wind from the north and northwest, the latter prevailing, the south wind calms from a few minutes to a few hours before, and with the falling of rain we find the wind is cool from the north to northwest; and the storms clears up wiht the wind in that direction, it the rain is over. Our snows generally fall from a south wind, which is either at the surface or as an upper current, and when, which seems to be a northern snow storm comes, and the snow in its fall is driven southward, a close examination, will at the beginning of the storm, show that there is an upper warm current moving northward over the lower north wind.

The highest clouds of our sky, are the light cirrus clouds, making a sort of marked sky. back bone of the Rocky Mountains by a portion of the more elevated return trades of Pacific tropics. Another fact seems worthy of sets in early is apt to be cold, and if the mean temperature of the winter by the middle of February has fallen low, and great banks of spring will be cold and backward, and as I said probably wet, if the snow is considerable in depth and area. This is upon simple logic As the sun emits about constant quantities of For the Kansas Farmer. heat, a cold snow plain can not by those emissions be thawed out and dried up so quick, as some plains would be, if they had a temperature ten degrees higher, and half the moisture to dry up.

charged, and will live with the hope that do railroad monopolies, and make them report the weather as they do money and the markets. Then one of their greatest evilsthe uncertainty of crops may be in a great measure, obviated.

Another means by which our climate may subjection, and which the Grangers can do no prepare the ground thoroughly by plowing do not recommend that tree as a rapid growbetter than add to their demands, is public and harrowing, after which I stake off the er. My experience with European larch is not Kansas, the Arkansas and the Red, abundant are carefully placed, with roots straitened concur. waters flow, in their floods, to redeem our out in natural order, covering roots well with climate from it dryness; if by a proper system best earth which should be well settled with not better than in Kansas, and in many fields of hydraulic mains, they were reserved and the foot, after which fill up with best loose soil not so well. That looking best seems to have what as "Old Probabilities" (young General distributed through out the area. The low covering the crowns of plants about one inch been earliest planted; but exactly where to divides which separate these streams are deep. he lost much caste as a prophet by guessing be diverted from their course, and the hy- young canes will be strong and vigorous. states in which they lie; and the minor ditches the investment. by counties, townships, etc., according to the Leavenworth Co. Kansas generality of the benefits. The difficulty of confining these waters in the loose soils may be urged. Of course much of the water would filter away, through the porous bed, but it would not be lost, being distributed from the crests; the great benefits would be those arising from percolation, the hill sides and valleys being kept moist by these means, while the streams crossed, would be called on to replenish

the supply. As commercial avenues, I think, these canals would possess no value, and as means of transit should not be attempted, We want these waters to filter away and evaporate, to redeem our land from drough. The demands of irrigation and the demands of commerce would be conflicting. Of course, many mill wheels could be turned by these waters without injury to agriculture. Timber for fuel and fabrication would in a few years be at our doors. Having our crops assured us, the accumulation of capital following, would seek planted. A few windbreaks were observed; These, so far as I have noticed, are from the investment in home munufacturing; and so willow, and had apparently been planted for snow. They are doubtless, light fragments tion, not dependent upon east hands for marof Pacific vapors, that are borne above the kets and manufactures, solve the problem of cheap trasportation in part, by setting consumer and producer face to face in contiguous towns; through the plains might not become calling attention to, it is that, a winter which the valparaiso, or elysian fields of our senator's fancy, exciting the envy of the Gods, they would be fit habitations for men, where labor would bring remunerative reward, and the lie a few hundred miles north of you, the desert blossoming as the rose send up as incense the benisons of peace and plenty.

RASPBERRIES.

BY "DRIAB."

The planting season is again upon us, and it is high time that we know what to plant, how like trees in Kansas. No investment by the Ellsworth or Ellis counties, where the cotton-Such are some of my views upon the great to plant and when to plant. After our twelve "Treeless Plains," and its cognate, their years experience on the open prairie of Kanmeteorology. While these articles have sas, I find that many good varieties of Rasp been long, they have been much too short to do berries do not succeed and that the Black caps full justice to the subject. They seem to me are the most hardy and productive. Among to present the case fairly though imperfectly, these, the Doolittle, Miami, or Mam Cluster and while it may be of doubtful utility to urge David's thornless, and one or two other sorts, the entire discontinuance of tree planting for are all worthy of a place in the garden and large heads, the new trunks and branches ap hope he will say so in your paper. In this forest purposes, it does seem to me that the field, both for family use, and for market purreckless and inconsiderate planting extensive poses. The above varieties propagate from ly of kinds not known to be hardy to our the tips of the long canes bending over and make good fence posts. It may be that as the climate is much to be deprecated, and that we taking root during Autumn, and are commonly borers increase some cannibal insect is sent to are not deserving of that unstinted abuse known as rooted slips and as the old plants do make war on them. At all events, I still say, cobwebs. If you are a slovenly man and do not know how to "tidy up," get your wife to which our eastern friends heap upon us for not sucker as do the upright varieties they can plant locust in Kansas. not planting these prairies all over with trees, easily be kept in rows without spreading; be If these papers shall in some degree promote a careful and considerate research into the matters discussed, the writer will feel amply repaid for the effort. If they are deemed idle and visionary, he will feel that his duty is dis-

won't pay.

the plants about two and a half feet apart in nois.

easily surmounted, and a line of constant The plants then set will soon show themselves, elevation may be found, by bending towards when they should be well cultivated the first and Novembor 11, same year, in Ellsworth the southwest. These streams and their season. The second year they will fruit sufficeunty, I had a fine growth. Sowed Septemtributaries flow in the valleys; they should cient to show what they are, and the growth of ber 1, 1871, in Ellis county, (none tried in Ellis draulic mains carried across the minor divides, When the canes the second year have made a at their highest possible elevation permitting growth of 12 to 15 inches, they should be flow, while subordinate courses should run on pinched back at the top, which causes them to the tops of all minor ridges. The principal branch low, and grow more stocky, and less in Ellsworth county had good returns. 1 canal, by which the above named stream are liable to be broken off by high winds. The canal, by which the above named stream are liable to be broken off by high winds. The trained to flow on a highland near the foot of canes should be clipped in spring to about 4 rather than temperature of the Kansas winters the Rocky Mountains, being of national im- feet in hight, that the cultivator may be used in the central parts of the state; and as a genportance, and two or more collateral canals often before fruiting season comes on. I will eral rule, early planting -from middle of Aurunning parallel, but lower down should be say to farmers and others, plant raspberries, gust to middle of September-is probably constructed by the general government, while and take care of them; yourself and family best. The virgin soil of Kansas is better cross mains should be constructed by the will relish the fruit and you will never regret

NOTES BY THE WAY,

SY R. S. ELLIOTT

By way of the Toledo, Wabash and Western railroad, from St. Louis to Decatur and thence to Springfield, we traverse a fine country, perhaps equal to any other portion of Illinois; but considering the age of the settle ments and the wealth of the people, I was dis appointed in finding it in many things so little ahead of Kansas. There are many large farm houses, but barns and outhouses do not correspond; and the evidences of taste and knowledge in the way of shade trees, windbreaks, etc., do not excel, if they equal, those seen in portions of Kansas. Very few of the farms had evergreen trees, and although much of strongly recommended for that purpose.

Many osage hedges were seen, but I cannot recall a single line of hedge that appeared to have been well attended to. All this was surprising in a state where horticultural societies wards and others have done so much to in struct us in forest planting and hedging.

The city of Springfield has trees along mos of her streets, and in the grounds about the Wisconsin (Populus Grandidentata) or large houses. Many of the street trees are elms and maples of considerable size, and in summer must and greatly to the beauty and comfort of the people. If residents of our Kansas towns will inquire of the Springfield people what they would take for their trees, we can get at an estimate of what it is worth to have people of a town pays better than transplanting trees. The black locust is seen in Springfield, with old trunks ten to twelve inches in diameter, perforated by borers. These dead to be named in the same day with the cottontrunks have been cut off at about eight feet wood, for planting in Kansas. I state this to from the ground; and around them the new parently not assailed by the borers. The old way, if our experience is worth anything, we dead trunks, eaten as they are, would yet can benefit others.

In the denser parts of Springfield, white show you how.

bore half a crop last year on the young growth does better; but red cedar does not flourish as those organized farmers now assuming control of last season, the old canes having been win- in Kansas. Very few Austrian or Scotch of the country, will reform the press as they ter-killed to the ground. It might pay to pines were seen, but those noted seem to do protect plants enough to have some choice better than any other evergreens. It is a curfor family use, but for market purposes it jous fact, that these two foreign trees (Austrian and Scotch pines) have done better on the I plant the rooted tips of the "cap" varieties plains than any of our native conifers; and I in rows about six or seven feet apart, setting think experience tells the same story in Ilii-

be greatly ameliorated if not brought into the rows from first to twentieth of April 1 The few larch trees observed in Springfield provision for a general system of irrigation. rows the proper width, then draw a furrow in its favor as a tree to be largely planted in From the upper Missiouri, the Platte, the about four inches deep, in which the plants Kansas, and in this Mr. Kelsey will no doubt

The winter wheat looks well in Illinois, but sow winter wheat in Kansas, I have not yet learned. Sowed October 20, 1870, in Ellisco, worth) I had a good crop. But in 1872-73, the winter was so dry that wheat sown at Ellis, in September, and which had made a fine start, was lost before March; although the farmers adapted to wheat, I think, than that of Illinois and "year in and year out" the climate of at least the east half of the state is equal if not

superior to that of Illinois for this crop. Coming back to trees, let us have another word for the cottonwood. Dr. Warder has told us how extensively this American tree is planted for shade in Vienna, and other cities of Austria. And now, comes M. Van Hulle, curator of the Royal Botanical Gardens at Ghent, writing as follows:

Many kinds of trees, chosen for planting avenues public promenades, etc. either do not accomodate themselves to all kinds of soils, or else require an inconvenient length of time to attain to such size and development of foliage as will afford the desired shades In consequence of this the Cauada poplar (Populus Cu-nadensis) has been largely planted about Munich and national and other places in Germany. This tree grows quickly, and in almost any kind of soil. Its only defect as a shading tree, is that it sometimes, if left to itself, shoots up in too spired (?) a form to be available in that way. This showever, is easily guarded against had evergreen trees, and although much of the region was prairie before made into farms, 12 to 15 feet, and paying some attention to the prun-but few forest trees of any kind have been ing of the branches for some time, so as to secure the formation of handsome crowns. Treated in this way the trees are quite as effective at some distance as well-grown specimens of horse-chestnuts.

Populus Canadensis is no other than Konsas cottonwood, under the botanical name given by Linnæus. The modern botanical name is Populus Monilofern. Linnæus had in view locality, and modern botanists the form of its blossoms and seeds, in giving the specific and writers-Bryant, Schofield, Phonix, Edname. If the tree were a foreigner, we should all want it. Three years ago, a gentleman brought to the attention of the Kansas State Horticultural Society the white poplar of aspen, as probably suited to Kansas. I got it and tried it in Ellsworth and Ellis counties, but only to learn that it not equal to the other white poplar, called "Abela" (Populus Alba) of European origin, and not superior to the Lombardy poplar. It probably would do better in the eastern parts of the state; but for wood do well, the Wisconsin popler is not worth planting. In fact, (and Kelsey will agree) no tree of the Populus family deserves save the farmers from useless experiments. I wood has grown strong enough to sustain feel assured Mr. Kelsey will concur, and I

Clean Out Stables and Barns and leave no

## Harm Stock.

For the Kansas Farmer.]

#### BLACKLEG IN CATTLE.

RENO, LEAVENWORTH CO., KAN.

March 4, 1874.

MAJ. J. K. Hudson, Dear Sir:—Notleing the inquiry in the FARMER as to the treatment of Black Leg and as a similar disease has provalled to considerable extent in this vicinity, I wrote to death takes place in a few hours. the Hon. H. J. Jewett, M. C., from Ohio, for an information that might be obtained from the De partment of Agriculture on that subject, and to day received the enclosed, which may be of value to some of your numerous readers, as I have no doubt that hundreds of young cattle are lost an nually in this state from this scourge alone. Very truly Yours, etc., CHAS. C. DUNCAN.

DEPARTMENT OF AGRICULTURE.

WASHINGTON, D. C., Feb. 23, 1873. HON. H. J. JEWETT, M. C., DEAR SIR:am in receipt of your letter of 19th inst., in which you say, that, in some parts of the west a disease called black leg, or black-quarter is feeted; it is therefore advisable to give to each animal a laxative drench, and in their feed a prevailing among the cattle, and request instantial animal a laxative drench, and in their feed a small quantity of salt and nitre. formation as to the character of the disease, the remedies for it, etc.

The reports of this department have from time to time related facts concerning the rav ages of a disease similarly called, and, I have no doubt, the same as that to which you refer. However, I think that no special treatise the change to bare pasturage, the new pasturon the subject has been published, and, at the age being of an easily digestible kind. same time, those directly interested in the matter have been indifferent about communicating facts as to treatment, etc.

celerated, and the animal shows great dis. first stage of the disease, as the blood so soon tress, and is evidently in great pain. The administering of medicines appears now to be of color that it will not run from the opened vein. no use; even firing and cutting of the swell-

When this disease breaks out among the stock the cattle are moved from place to place, with a view of giving them exercise and pre venting the lameness coming on, and by mov-

chance of the disease continuing amongst and are far better than bleeding.

ing about, giving them limited exercise.

Cattle Diseases in India:" Calcutta, 1872, the disease, under name of Anthrax fever, is said to be a blood disease, and in India is said to be contagious, though in cold climates it is not believed to be so.

under some part of the skin, generally on the loins, or hind or fore quarters, or throat and sometimes tongue.

communicable to other animals, and to man in the form of malignant pustule.

condition. Again, at seasons when cattle are not sheltered at night and the days are very hot and the nights cold, they are more liable to be affected.

Again, in this Manual it is said that, in cer tain badly drained lands in Great Britain, the disease was wont to occur frequently, but,

is defective.

## SYMPTOMS

olved, then the breathing will be distressed; the animal was fat enough for mutton. if the brain is affected, there will be stupor, and when the spleen and the other parts of the abdomen become gorged, signs of abdomi there is any cure, I would be glad to know it. nal pain will be evident.

This morning I found another one in exactly.

The respiration becomes very much increased, the animal moans, and the pulse is weak and rapid; the animal's strength soon falls, the external swellings rapidly increase, and death takes place in a few hours.

This morning I found another one in exactly be ascribed to—1st: Want of knowledge to select the soil adapted for the plant. 2d: Want of proper preparation of the soil. 3d: Want that I never had anything to do with sheep sufficient manure. 4th: A faulty mode of cultivation. 5th: Too crowded a stand; and 6th: Too little care in selecting seed.

smallquantity of salt and nitre. All should be kept on bare pasture, and be made to frequently move about. It is also a good plan to insert a seton in the dewlap of each animal. This has been found a most successful preventive measure, combined with

The prevention of the disease is a most easy matter compared with the treatment of an affected animal; and by carefully preventing In view of the importance of the subject, I stock from becoming exposed to the causes al deem it expedient to be somewhat explicit in ready noted, seldom will the disease be found

deem it expedient to be somewhat explicit in replying to your letter.

I find this disease referred to in a report of the Commissioners appointed to enquire into the Commissioners appointed to enquire into the Origin, nature, etc., of Indian Cattle Plagues, published in Calcutta, 1871. Anthrax swelling of one hind quarter, which extends over the loins, back and shoulders. When noise like pressing salt.

The animal is very lame on the leg attacked. The respiration becomes very much accelerated, and the animal shows great distress, and is evidently in great pain. The advisor of the above disease be found to the disease be found to the disease be found to the disease in India where it has much prevailed.

Yount and Martin, on Cattle, edited by A. Stevens, New York, edition of 1857, treat this disease at some length. They strongly advise bleeding to the utmost limit allowable in composite like pressing salt.

The animal is very lame on the leg attacked. The respiration becomes very much accelerated, and the animal shows great distress, and is evidently in great pain. The advisitoring of methods and treating the manure with the disease be found the disease of found where it has much prevailed. Yount and Martin, on Cattle, edited by A. Stevens, New York, edition of 1857, treat this disease at some length. They strongly advise over the loins, back and shoulders. When notion with purging. But on this head as it relates to bleeding, they do not agree with our catching ratio and remedy for the above disease? Editors and remedy for the above disease? Editors and remedy for the above disease? Editors and remedy for the above disease? Editors, the final remedy for the above disease? Editors and remedy for the above disease? Editors, the final remedy for the above disease? Editors, the final remedy for the above disease? Editors, the final remedy for the above disease? Editors and remedy for the above disease? Editors, the final remedy for the above disease? Editors, the final remedy for the above disease? Editors, with carr becomes vitiated, turbid, tarry and black in

Youatt and Martin are of the opinion that ing produces no beneficial effect. When the the prevention of this malady is the only cure swelling is cut, the blood is all black and worth notice; and to this end recommend that a piece of short or inferior keep should be reserved as a digesting place, in which the cattle may be occasionally turned to empty and exercise themselves.

Those observed to advance very fast may be ing them about they have not time to eat too bled monthly for several months; but occasional purges of alterative medicines would where the pasturage is scanty there is less their rise in over-repletion and accumulation.

ease (for example) they all die, and treatment age and strength of the animal; from three is of no avail. The only way (says this au to four quarts will generally be found suffithority) of preventing the spread of the dis cient. After this the following purgative few

> Barbadoes Tar. 3 drachms; Warm water, 1 pint. Mix for one dose.

Setons in the dewlap are recommended In conclusion, I would cite the language of It is generally accompanied with a swelling Mr. John Lawrence (England) in his treatise on cattle medicine, as quoted as follows:

It should be considered that animals living in a perience of man, would be almost wholly exempt from disease; that their appetites, unlike our entirely to ignore the presence of wires, traps, own, may be held under a constant control; that and the other etceters of the rat catcher's art. own, may be held under a constant control; that their diseases result purely from the negligence or erroneous treatment of their owners. They are either too much exposed to the rigors and cattle, which have been kept on very poor, cattle, which have been kept on very poor, bare or reedy pasture, are put on rich grazing with such as is unwholesome. Here we learn the grounds, they become very often affected; the chief causes of their maladies. Learn to prevent vounger cattle are especially liable to become them, instead of undertaking the tedious, unsuitwith such as is unwholesome. Here we learn the younger cattle are especially liable to become affected, as in them blood is more rapidly able and hopeless task of learning to cure them. Instead of undertaking the tedlous, unsuitable and hopeless task of learning to cure them. Of all things, let the proprietors of cattle remains the most sucception only becomes suddenly enriched, but also visited, and escapes from its vessels in shose soft parts of the body loosely connected. The most thriving animals are the most susceptible, especially those which are rapidly improving after having been in somewhat low condition. Again, at seasons when cattle are cipes are infallible rosciptions. cipes are infallible nonsense.

> I am very respectfully, FRED'K WATTS, Commissioner of Agriculture.

## What Alls the Sheep.

EDITOR FARMER: I have a flock of forty

good condition. A few morning since, on go hold.—National Live Stock Journal It is said that the attack is very sudden. An ing out to attend them, I found one of them animal seen perfectly well a short time before laying on its side, with its head thrown back as may be found in an hour or two afterwards to far on its back as it could well be and bleatbe dull and stiff, and to have a difficulty in ting very hard as if in great pain; acting as moving, and in a few minutes a swelling will though it had a very bad cold in the head, It fore quarters or throat and tongue; sometimes opening it, the only thing I could see wrong

If the throat and lungs are principally in- one's hand; the gall appeared to be full, and

Now, if any one of the readers of the FARM-ER can tell me what ailed the sheep and it This morning I found another one in exactly

ommences in the feet and legs, and goes to the body; their noses run water at first, then gets to be a thick matter. The inflamed part after death looks like it had been hammered to a jelly, the blood in the jelly or inflamed parts is very black; they seem to be in great parts is very black; they seem to be in great parts is very black; they seem to be in great parts is very black; they seem to be in great parts is very black; they seem to be in great parts is very black; they seem to be in great parts is very black; they seem to be in great parts is very black; they seem to be in great parts is very black; they seem to be in great parts is very black; they seem to be in great bulltongue, long and narrow; or better, a subsoil to a depth of, at least, six inches. This operation ought to be performed in January and February. By the time the beds have to be prepared for planting, the soil will have settled sufficiently to work it to advantage. Manuring is, with exception of certain cotton soils on the made of the subsoil to cannot be made too deep. A two-horse plow should precede, and turn a furrow as deep as practicable, from 7 to 9 inches, followed by a bulltongue, long and narrow; or better, a subsoil lifter, which should break the subsoil to a depth of, at least, six inches. This operation ought to be performed in January and February. By the time the beds have to be prepared for planting, the soil will have settled sufficiently to work it to advantage. the body; their noses run water at first, then

by none but natives, it will not require much skill to capture every one of them—old, cun-ning fellows and all. In the first place, then, we must resolve to take time to it, and capture the whole lot, and to this end no attempt must be made to capture single animals, since this will tend to make them suspicious and will put the old ones on their guard. Then provide a large box or barrel, place in it a quantity of a large box or barrel, place in it a quantity of old carpet, brush, etc., and also some food, such as meal, cheese, herring, etc. Bore a two-inch as meal, cheese, herring one will go in and frequent it. First a young one will go in and have a good feed and come out all right; the old ones, seeing that he is not hurt, they, too, or twelve days.

Many err in their mode of cultivation. It are no other bees in a mile or more, feed from outside, otherwise great care must be taken thrown back to the plant, no plow should be to keep allowed in cultivation. From that period, the allowed in cultivation should be to keep the weeds down, and merely stir the surface. Many are-of the erroneous-opinion that, as long and every effort made to gain access to the coveted treasure.

The best feed is made from A coffee sugar making a syrup which is sweet to the taste and still thin enough to run like water. It we must resolve to take time to it, and capture much.

When they have been driven over ground where the pasturage is scanty there is less chance of the disease continuing amongst them.

This disease does not occur every year, but awhen the grass is unusually rich and plentiful.

If twenty animals are attacked by this disease for example) they all die, and treatment is of no avail. The only way (says this nuthority) of preventing the spread of the disease for each place is to keep the yet healthy animals moving about, giving them limited exercise.

In a "Manual of the More Deadly Forms of Cattla Diseases in India:" Calcutta, 1872. the store of the disease for the disease for the disease for the disease for the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority) of preventing the spread of the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority) of preventing the spread of the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority) of preventing the spread of the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority) of preventing the spread of the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority) of preventing the spread of the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority) of preventing the spread of the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority) of preventing the spread of the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority of preventing the spread of the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority of preventing the spread of the disease (for example) they all die, and treatment is of no avail. The only way (says this nuthority of preventing the spread of the disease (for example) the variation of the more

which sixty seven rats were caught at one time in a box arranged as described. In this instance the premises was effectualy cleared of the ver min. In this system the great agent is educa-tion. Let the animals be taught, during the period of several days, that there is no danger in the boxes, barrels, or traps that we wish them to frequent, and they will rush in pell mell it they expect to procure food by the op-eration. Who has not seen rats attack corn, potatoes, bread, and other things, when covered up in a box and protected with considerable care? They will not only p

8. We scarcely know whether to credit the the peach, apple, pear and also grape-canes, report or not, since we cannot understand how The male and female beetles are both found in she should have been at New York Mills; and it may be that the story of her death is on a par with the account of the sale of Dexter, for food. They frequently hibernate in these which was telegraphed all over the country in holes and may be found in them during the December to be contradicted in January. If winter months since the lands have been duly drained, the disease is seldom or never met with.

In some parts of the continent of Europe, the disease is always more or less present at the disease is always more or less p They are kept in a pasture of some twenty ter abandoning the business for years, and them.

They are kept in a pasture of some twenty ter abandoning the business for years, and them. of running water. They all appear to be in so severe a miefortune upon the very thres-

ishment in our public schools.

## Cotton Culture.

#### COTTON PLANTING.

Must of the failures in cotton planting may

ast, swell quick when it gets to the body and shelter and give good pure water in which common salt may be mixed.

When one of the herd is attacked, others will probably have a tendency to become after the seem to prolong their lives; in the profess education of the herd is attacked.

We will probably have a tendency to become after the seem to prolong their lives; in the profess education of the herd is attacked. The proposed the plant we have a tendency to become after the seem to prolong their lives; in the profess education of the herd is attacked. The proposed the plant we have a tendency to become after the proposed that the plant we have a tendency to become after the proposed that the plant we have a tendency to become after the plant we have a time they first show symptoms of an attack—

The proposed the plant we have a tendency to become after the plant we have a time they first show symptoms of an attack—

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The proposed the plant we have a time to be a tim

#### PREPARATION OF SOIL

is, with exception of certain cotton soils on th

manure may destroy the vitality of the seeds.

BY E. A. POPENOE.

## Directions for Sending Insects.

All letters desiring information respecting noxious and other insects, should be accompanied by specimens, the more in number the better. Such specimens should always be packed along with a little cotton, wool, or some such substance, in a little paste-board box, that is of convenient size, and never enclosed loose in the letter. Botanists like their specimons pressed as flat as a pancake but Entomologists do not. Whenever possible, larva (i. e. grubs, caterpillars, maggots, etc.) should be packed alive, in some tight tin box—the tighter the better, as air holes are not needed—along with a supply of ter, as air holes are not needed—along with a supply of their appropriate food sufficient to last them on their journey; otherwise they generally die on the road and shrivel up to nothing. Along with the specimens send as full an account as possible of the habits of the insect, respecting which you desire information; for example: what plant or plants it infests; whether it destroys the leaves, the buds, the twigs, or the stem; how long it has been known to you; what amount of damage it has done, etc. Such particulars are often not only of high scientific interest, but of great practical importance. Mounted specimens should always be planted securely in a scientific interest, but of great practical importance. Mounted specimens should always be planted securely in a cone, with colors, and this packed in a somewhat larger one, with colors, and this packed in a somewhat larger one, with colors, and this packed in a somewhat larger in the intervening space, to obviate jarring, and insure safe carriage,

## THE APPLE TWIG BORER

W. M. C., Abliene Kansas, sends a peach wig containg a female of the apple twig borer ruptedly in the hive. If properly managed (Bostrichus bicaudutus, Say). He says that the beetle is quite numerous

in some localities and is doing considerable

This little beetle is the source of a great her death, which occured February 27. From the date of the service in the sale catalogue, she should have produced a calf about March lengthwise through the twigs of various trees. We scarcely know whether to credit the the peach, apple, pear and also grape-canes.

## POTATO BUGS.

A writer in the American Journal describing the ravages of the potato Bug for two years, says of their sudden disappearence.

About the first of July I was surprised to find the bugs all gone and my vines starting up fresh and vigor ous, in which condition they kept till frost killed then be observed under the skin in some part of the body, generally on the loins, hind quarters, lived until the next night and then died. On way to raise strawberries is with a spoon.

## Ber Culture.

For the Kansas Farmer

SPRING MANAGEMENT OF BEES.

It is presumed that the colonies of bees that have been kept housed during the winter, now that the warm bright days of the last of death takes place in a few hours.

TREATMENT

Is of no avail when the swellings are large, or when from the distressed breathing it is evident that the lungs are very much gorged with extravasated blood.

TREVENTIVE

PREVENTIVE

Measures may be taken; if an animal is suspected to be attacked, purge well, keep under shelter and give good pure water in which

Too little care in selecting seed.

Cotton requires a deep, mellow loam, allowing surplus water to gether below the reach of the hive swhere they are to remain through the heat of the sun. A true, natural, cotton soil is much rarer to the cotton belt of the South than many of our readers may be predicted to be attacked, purge well, keep under shelter and give good pure water in which

Too little care in selecting seed.

Cotton requires a deep, mellow loam, allowing surplus water to gether below the reach of the hives where they are to remain through the heat of the sun. A true, natural, cotton soil is much rarer to the cotton belt of the South than many of our readers may be predicted to do not know what more to do than I have; I have had several men to see them, they seem to think it is the black leg or some they seem to think it is the black leg or some thing of that nature. They eat well to the last, swell quick when it gets to the body and die, sometimes in less than twelve hours of the lives where they sun the hive swhere the sun has warmed the ground, set the hives where they are to remain through the heat of thes un. A true, natural, cotton soil is much rarer to the cotton belt of the South than many of our readers may be predicted to a sun the perturbed.

Too little care in selecting seed.

Cotton requires a deep, mellow loam, allowing surplus water to gether below the reach of the hives where they are to remain through the hive roots—a soil that is easily penetrated by the leat of these son; raising the beak end of the hive swhere they are to remain through the hive roots—a soil that is easily penetrated by the leat of the sun. A true, natural, cott February or the first of March have arrived,

The next warm day, open and examine the combs, to see if they have any brood; to clean out the accumulations left on them or the bottom, and to arrange 'the frames at their proper distances-one and one-half inches from center to center. If they have honey sealed wax in sufficient quantities to last a month or two, give them no further care except on every warm still day, until flowers

#### FEED RYE FLOUR. -

unbolted, placing it in boxes not less than fifty feet away from the nearest hive.

They can easily be induced to work out this flour by the aid of a very little honey in the comb, or by saturating a corn cob with a syrup made of melted sugar, (not molasses), and carrying half a dozen bees after they begin to feed, from the mouth of the hive to the meal and carefully placing them in a box.

In the course of an hour or two, you will see hundreds of bees busily at work gathering the flour into little pellets on their thighs and carrying it to their hives. Bees use this flour to feed to the larvæ, and it will be carried in every warm day until flowers yield natural pollen in quantities sufficient for their wants.

This feeding of flour forward the raising of young bees usually about a month and ought not to be neglected.

If your bees do not have sufficient honey to last until flowers come, it is best to feed at once. If you have but one stand and there

and still thin enough to run like water. It wants to be boiled a moment to skim off impurities. Just before dark if a warm day open your hive, take out as many frames of empty comb as are not covered with bees, and pour into the cells (first laying the frame down flat) as much of this syrup as the cells on one side will hold, then raise the frame to its natural vertical position, and let the surplus run off, then replace in the hive. As soon as all are filled close the hive, and after dark close the fly-holes so that no bee can get in or out, with wire cloth and leave the hive in that condition all the next day until about sunset, when the syrup will all be carried where it is vanted and the danger from robbers is passed. In all feeding of bees the greatest care must be taken not to leave nor expose 'any honey or syrup anywhere about your hives, as it is sure to attract other bees and lead to rob-

bing. A good colony of bees will use in breeding about half a pint of this syrnp every day, consequently by measuring the syrup you feed to a hive you can tell when to feed the next time.

It is necessary the supply be not allowed to run out or the good effects are lost, for a short allowance of feed stops the laying of the queen and sometimes the death of thousands of the larvæ, which have to be taken out of the cells by the bees and carried outside.

The fundamental idea is, to so feed that a good supply may be within their reach at all times, so that breeding may go on uninterthe colony increases in number very fast, and by the time white clover is in bloom they are prepared and willing to send out an army of workers to bring in the best honey not only for their own use but for that of their owner.

Owing to the high winds and variable weather in this state during the month of March, bees will be better and be stronger in

absolute rest in winter quarters in preference to allowing them to remain out doors. The few days they were out to fly and feed will start the queen laying and it will be kept up, so that all the increase by the hatching of the brood is so much clear gain.

E. GALLUP, Orchard, Iowa, writes:—"Bees are wintering finely thus far. My bees are on their summer stands. They had a splendid fore quarters or throat and tongue; sometimes the disease may be located in the chest or abdomen, or even brain.

A veteran observer remarks that mankind surrounded by wings and other parts of the bugs which ease in the chest or abdomen, or even brain.

A veteran observer remarks that mankind surrounded by wings and other parts of the bugs which ease in a mild winter, unless they have very identified.

A veteran observer remarks that mankind surrounded by wings and other parts of the bugs which ease in a mild winter, unless they have very identified.

# Latrons of Husbandry.

To Deputies.

The various Deputies will greatly oblige us by sending lists of Granges, when organized, for publication

It is requested that all Granges within the State report the names and postoffice address of their Masters and Secretaries, elected for the ensuing year, to the Secretary of the State Grange, G. W. Spungeon, of Jacksonville, Neosho county, Kansas.

It is also requested that each delegation from every

county report the names and postoffice address of the Masters and Secretaries of the Subordinate Granges of their respective counties at the coming meeting of the State Grange, on the third Wednesday of Februa-G. W. SPURGEON,

ry next. Topeka, Jan. 14, 1874. Sec. State Grange.

#### Organizing Granges.

Those parties wishing instruction in the work of the Order, or information concerning the organization of Subordinate Granges, will hereafter address me (enclosing stamp) as fol-W. S. HANNA,

Chaplain, State Grange,

Junction City, Kan.

#### New Granges.

W. S. Hanna, Chaplain of State Grange, or ganized the following Granges:

County Line Grange, D. W. Stouder, Master, Madison, Kansas; Shell Rock Grange, R. Shell Rock, Greenwood Co., Kansas. Both ing Granges at a very rapid rate, and seem to Granges full.

was organized January 20th, with twenty-six organized in this township Feb. 9th, and now charter members. We have dimitted five, and have a live working Grange. The officers are as follows :

Master, J. L. Noble; Overseer, Geo. Chase; Lecturer, W. Musgrave; Steward, W. Walins ley; Assistant Steward, J. F. Day; Chaplain, J. F. Ross; Treasurer, Henry Mitchell; Secretary, Jas. F. Ayars; Ceres, Mrs. Sarah Manfart: Flora, Lillies Cameron; Pomona, Mrs. G. N. Church; Lady Assistant Steward, Miss Jennie Walbridge; Gate Keeper, Daniel Mc-

Arthur. Several of our members take the FARMER and think in its new dress, it has no equal in the west. Stock looks well. Farmers are making preparations for spring work.

JAS. F. AYARS, Sec'y.

#### From Sedgwick County.

EDITOR FARMER: Less than one year ago, there was not a single Grange in this county, Patrons of Husbandry, but the people were ripe for organization. Its noble objects and principles were such as to commend it to every thinking tiller of the soil. No argument was needed to convince them that they ought to join its ranks.

At this time we have twenty-nine Granges, and ere you receive this, we will have thirty-

Since Dec. 15th, I have organized fourteen Granges, ten in this county, two in Harvey county, one in Sumner county and one in Reno county

Recently I have organized Seltzer Springs Grange, Minnehaha township, Cyrus Webb, Master, and J. D. Fox, Secretary, Wichita.

This Grange would have been much strong er, but the people did not have sufficient warn ing that I was to be with them. Many were prevented from joining on account of not being prepared financially.

Last week I organized Payne Grange, Payne township, Joseph Corwan, Master, and James Wilson, Secretary, Wichita.

been glad to become charter members, if it had been possible. Instead of the interest in our Order dying out it is becoming greater of other things. Conferring such powers on yankees use to a greater extent than we do from day to day.

fit from the Order we must do so soon, for it is otherwise whether such tax shall be levied. not destined to live long.

Can we ever fully accomplish its objects Honesty inculcated, education nourished, charity a prominent characteristic, brotherly love cultivated.

Should our Order live hundreds of years it will still find a wide field of usefulness.

May the FARMER be ever as now the fear less champion of our Order, and may it pros per according to its merits is my wish.

J. L. ZIMMERMAN, Dep.

## From Dickinson County.

On Thursday, 12th inst., Industry Grange Bigelow, was elected Master, and D. Huggans me have not failed to observe what was too

After we had assembled, we found the room

Wheat and rye look well in this vicinity. For the Kansas Farmer There are six Granges in this county, and prospect for as many more soon. Please send me illustrated poster, and oblige

A GRANGER.

PLEASANT HILL, KAN. MARCH 9th 1874.

Highatha Grange was organized here the 6th inst. by A. F. Case of Salina, consisting 20 males and 10 females, as charter members. As no more then the above number could be received as charter members, quite a number had to defer becoming grangers until after the organization. Officers elected are as follows: Master, J. S. Hollinger; Secretary, R. Chambers; Steward, J. Brackney; Assistant-Steward, W. Smith; Lecturer, Ralph Sherer; Overseer, G. R. Sherer; Treasurer, J. Buherer; Chaplain, Copeland; Gate Keeper, J. Kullum; Lady Assistant Steward, Mrs. R. Chambers Ceres, Mrs. G. R. Sherer; Flora, Mrs. Charles

Sherer: Pomona, Miss L. J. Hollinger. The above members are all active and energetic, and alive to their duty and interest, and a happy and prosperous time is anticipated.

R. CHAMBERS. Secretary.

EDITOR FARMER: A description of this county at this time is out of place; I will only say, that I have been here three years, and as far as crops are concerned, and as far as making a living by farming is concerned, it seems to me, man could not ask for a better place. The farmers of this place and for seventy-five or a hundred miles west of here, are organizbe looking forward "that the good time coming" is a surety, and are studying to try and take the place in the community that right-EDITOR FARMER: Noble Grange, No. 869, fully belongs to them. There was a Grange has thirty-five members, Charles Brown, Master; Fale Elliot, Secretary and E. Devitt, Treasurer.

Beloit, Kansas, March 2, 1874.

#### For the Kansas Farmer.] RETRENCHMENT.

carry out their wishes. So representative only in a secondary manner, and to that ex- bor and to wait "-until I can get the "fip." tent in which the views and actions of the representatives are in agreement with such Grandview, Wyandotte, Feb. 1874. purposes. So such governments may but slightly carry out and sometimes even may contravene the wishes of the people and become to them an injury. For these reasons

as it seems to me, we as a state have forgotten or overlooked this truth. We delegate too much authority, and reserve too little for ourselves. We have too many officers to be salaried and too many offices to be filled. We choose officers and impose on them duties, then forgetting that they are our servants, we fail

to take notice of their action as we ought. One principle in government I hold to be self evident, viz: that whatever authority can be more wisely and prudently exercised by the ballots of the people than in any other way, should never be delegated to any officer

or conferred on any council or board. We have in every county a deliberative body, a little sort of sub legislature called a county board. Its duties are multifarious, its privileges many, and its powers in some respects are almost unlimited. Especially in financial matters is this so. It cares for, controls and disposes of county property; it makes, repairs, This Grange was organized with thirty and sells county buildings; it locates, opens corn and potatoes, but we must remember that This Grange was organized with thirty widens and repairs roads, culverts, viaducts our wheat crop was made before the drouth any county board is a political mistake. When A friend living in Illinois, who is not a property holders are to be taxed, it is their member of the Order, wrote me a few days right before hand to know for what they are to be taxed, and to declare by their ballot or Building court houses and jails &c., spanning large streams with costly bridges, and all other expensive public improvments should never be undertaken except as the will of the people directly expressed thereon shall order the same. As it now is our county boards pile tax on tax till we stagger under the burden. They also dispose of county property, sometimes in such a manner that thousands of dollars are lost, or become dead stock, worthless to all intents and purpose for the people. So exten sive is their power that oftentimes their meetings are regarded with apprehension, and are lobbied almost like the sittings of a legislature, Whether any mischievous political arts, favorwas organized at Fairview school house with itism, or money, ever influence their actions, seventeen male and ten female members. H. S. I do not say, but leave others to tell, who like

In the matter of roads, the township treasur-

evident to be misunderstood.

WHERE IS THE "FIP" TO COME FROM.

a neighbor of theirs in Ohio who emigrated to sunflower (achens) contains large quantities of Illinois in an early day, but soon became dis-oil, which is used for the table, and is said to

tion. But the question is can a farmer see "where the 'fip' is to come from," By the way, would it not be more in harmony with the spirit of our institutions for each Grange to regulate that matter to suit themselves. Nor do I consider friend Popenoe's reference to the professional man at all pertinent. He makes \$5, \$10, \$15; or perhaps \$50 or more per day, and as it comes easy he takes no heed of its departure.

But with the farmer, whose incessant toil through the producing season is rewarded Bathe the bage as often with the tincture rewith a scanty profit if not indeed a loss, and duced one half with warm water. who must stand exposed to the severity of the winter, with cudgel in hand, as it were, to bang away the "wolf from the door;" it becomes a matter of serious concern "where the fip' is to come from.

Is it not the case that many who enter the Grange are obliged to practice severe economy in order to raise the admission fee; and is it not the case that hundreds of poor but honest and respectable farmers who would make worthy members are excluded from the Grange, because unable to pay the entrance fee. Whence the wail that comes up from the south pray. All civil authority of inalienable natural right ing the National Grange to reduce the cost of belongs to the people, and whoever exercises initiation. What think you friend Hudson, Representative government is supposed to rep- of, Husbandry—as soon as I can spare a V resent the will of the people of the same and without depriving my family of the necessaries (not comforts) of life. But I shall have to governments show the purposes of the people heed the advice of Longfellow, "Learn to la WILLIAMSON.

# Notes and Queries

## WHAT IS THE MATTER.

The department report for January is before me, containing a table showing the average yield per acre of the different crops of the several states. I wish to make an extract from that report, comparing Kansas, the state of my adoption, with that "little insignificant state" of my birth, Connecticut.

We have proclaimed to all the world that Kansas is ahead in soil and climate; are we entitled to that preeminence.

The following is the extract :

		Kan.		Conn.
average	per acre,	15	bu	18 bu
"	"	22	- 66	30 "
"	44	9		18 "
	**	30	**	97 "
			average per acre, 15 " " 22 " " 9	average per acre, 15 bu 22 " " 9 "

There is a screw loose somewhere, wish some of our practical farmers would tell why we fall so far behind.

It is true we had an uncommonly dry season, which may account for the short crop of

know in the last number of the FARMER I will give the following as my experience and observations:

Summer--Red Astrichau, American, Sum mer Pearmain, Red June, Sweet June. Autumn-Rambo, Maiden Blush and Tall

man Sweet. Winter-Janet, Winesap, Ben Davis, Jone than, White Winter Pearmain, Ortley and Roxbury Russet.

"T. M. C.," can make no better selection than the above if he is planting for profit.

bearing, perfectly hardy and the best of keep

of the above mentioned, but not so reliable for you and the FARMER great success. bearing. For bearing and profit, I think no orchardist in the state will vary much from the above list. W. H. MEADE.

seed be obtained? Has alfalfa clover been tried in Kansas, and with what success; where can seed be obtained and at what cost; when is the proper time to sow, and how?

I am pleased with the Farmer in its new dress, and recommend it at every opportunidates, and recommend it at every opportunidates.

L. A. S.

the Sunflower, and a request by the Editor of the Sunflower and to keep them from Interest and Intere

owing to its peculiar exhaustive nature; an analyses of its stems and leaves, shows that I remember hearing the "old folks" tell of potash largely predominates. The seed of the

bushel, being regulated by supply and demand. I have thus answered your correspondent's inquiries, and if agreeable you may hear from me again. Yours Respectfully,

J. L. HOLLINGER.

#### . ITEMS.

CURE FOR GARGET-Tincture arnica 1 teaspoonful, three times a day in bran or shorts.

M. L. REDDING.

A NEIGHBOR from Wyandotte county reports Tappahannock, Egyptian, Carpenter's Lancaster, Red June and Brittainy wheat as self; the mystery of it would haunt the imaglooking finely in his neighborhood. That put in the smoothest looks best attitude of alleviating endurance. The terin the smoothest looks best.

How can I make a hot bed for raising Sweet Potatoes, also the best mode of keeping them E. D. MILES.

A SUBSCRIBER wishes to know where Downing's Ever Bearing Mulberry can be pro-

the remedy?

Where can the "Buckeye "potatoe be pro-

patent corn drill and fertilizer and he will get ous manner, to various procedures for engravall the information about the cost. I have used one of them two years and am well J. F. WELLINGTON. pleased with it.

WILL you have the kindness to inform me through the FARMER what kind of cotton seed is the best, and where a gin to take out the seed, or the information how to construct one and cost thereof. I have grown cotton for the last two years, on a small scale. I have early Tennessee and Sea Island, the latter did not come to maturity, but the Tennessee did; I have fifty pounds of this. I am confident that it will mature here.

I want to get some hemp seed too. I have tried flax, it answers well here, but rather short

EDITOR FARMER: I write for information in regard to sowing wheat, oats and barley. wheat you would sow to the acre, providing what varieties of trees to plant in his orchard. the berry be large or small; and how many bushels of oats to the acre, also, how much bar ley to the acre.

I am having an argument on this subject and being in Kansas but a short time, I would like to be instructed in Kansas Farm-

Please answer these few questions in your A SUBSCRIBER. next issue.

The winter sorts are all strong growers (excepting the Jonathan), early and prolific in paper I regard as one one of most valuable to ously the flow of blood from wounds of every the farmer, and many valuable family lessons bearing, perfectly hardy and the best of keep-the farmer, and many valuable family lessons the farmer is a second of the farmer is a s can be learned from every column and, home There are other kinds, superior in flavor to any truths can be had at every fireside. I wish

> I am one of those on the great Arkansas valley, six miles from Fort Dodge; hope to raise a big crop this season; am now plough

what will it cost? Where can black locust now done, at one tenth of the expense. All the this county, in regard to the cultivation of reading in a newspaper published in Minness of mucilage. Prepared in this way it seed be obtained? Has alfalfa clover been financial privileges of the county board should the Sunflower, and a request by the Editor of will not become mouldy. Again, according to

# Scientific Miscellany.

#### INSANITY RARE AMONG SAVAGES.

a neighbor of theirs in Ohio who emigrated to Illinois in an early day, but soon became dissatisfied and returned. He declared a man could not live in Illinois. When asked the prices of various articles, (amongst other things) that potatoes were worth ten cents, and corn a "fip," per bushel. "Well," in sisted his interogator "a man ought to live where he can buy potatoes for ten cents, and corn for 'fip,' per bushel." "Yes," he responded, "but where in the de—l is the 'fip' to come from?"

Now friend Popenoe's explanation of "where the money goes," is satisfactory; yet, I am not convented that the initiation fee is not too much. In one respect it is not.

Every enterprise from a church to a gambling house must stand upon a financial basis. Between the more money the better the foundation. But the question is can a farmer see "where the 'fip' is to come from," By the distnat relatives, persons having the most distant blood affinity being forbidden to marry. It can scarcely be doubted that the reason of such prohibition was their experience of the evils resulting from the intermarriage of relatives—an experience which, distinct as is the lesson which it teaches, has not yet availed to check the intermarriages of first cousins among civilized people.

> MR. BAIN is in favor of substituting electrical shocks in place of the common punishments employed in prison discipline. By such shocks and currents, says he, any amount of torture might be inflicted; and the gradation might be made with scientific precison. The punish-ment would be less revolting to the spectator and the general public than floggings, while it would not be less awful to the criminal limrific power exercised by an operator, through the lightest finger touch, would make more deeply felt the humiliating prostration of the victim. If capital punishments are to be permanently maintained, much could be said for discarding strangulation and substituting electric shock.

#### Improved Engraving Process

Some novel and interesting facts, observed belongs to the people, and whoever exercises initiation. What think you friend Hudson, the same in any manner justly, must derive his power to do so from their appointment. by relation what I am by occupation—a Patron ing down rapidly. What is the difficulty, and by relation what I am by occupation—a Patron ing down rapidly. What is the difficulty, and of Sciences. Zinc plunged into dilute solutions of sulphuric, hydrochloric and acetic acids, is attacked only at the points where other metals Where can the "Buckeye potatoe be pro-cured, for seed?

THAT CORN DRILL—Tell Mr. H. Warner of Cherokee, to write to Long, Black & Allstater, at Hamilton, Ohio, Manufacturer of Reamey's (Gourdon applied these results in a very incon-

ous manner, to various procedures for engraving.

He states that, by writing upon zinc with different metallic inks, making use of the most active, containing salts of cobalt, for the blackest parts, and passing it then into acidulated water, an engraved plate is obtained. To reproduce leaves or plants, they are soaked in solutions of metallic salts, and applied to the zinc, which is then treated with weak acid. M. Gourdon has also discovered a new kind of heliographic engraving by transferring the silver from an ordinary photographic proof upon the zinc, which can be attacked by the acids in the parts where the silver has been deposited—a discovery evidently susceptible, when fully developed, of interesting results.

## FREEZING TREE SEEDS.

The erroneous impression seems to prevail with many persons that tree seeds, in order to germinate, must first be frozen. The peach and other fruits are raised in countries where the ground never freezes. The fact is that many seeds have such hard coats, that if sown in ordinary soil they will not sprout in time to grow the first season. This difficulty may be overcome in spring by soaking them a few days or until the germ just begins to swell, when they may be mixed with plaster of orange have such hard coars, that if sown in ordinary soil they will not sprout in time to grow the first season. This difficulty may be overcome in spring by soaking them a few days or until the germ just begins to swell, when they may be mixed with plaster of orange have such hard coverings that the water should be made very warm. A good way is to place seeds in a leaky cask and pour the warm water through them. This gives them a change of water, which prevents their souring.—Nursery Exchange. The erroneous impression seems to prevail

The Metric System of Measures.—At the Coast Survey Office there have just been finished a number of sets of the standard weights and EDITOR FARMER: "T. M. C.," writes to What I wish to know, is how much spring measures of the metric system, which are to or, under a joint resolution passed in 1866 for the purpose of providing a means for the grad-ual introduction of the metric system into this country. The measures and weights are beau-tiful specimens of workmanship, and will be soon distributed. A movement has been made under the auspices of President Barnard, of Columbia College, to organize a national socie-ty of metrology, which will have for its object the establishment of a unitary system of values, weights and measures.

EDITOR FARMER: I have just had the pleasure of subscribing for the FARMER a cording to the Roman "Fanfulla, cording to the Roman "Fanfulla," have been experimenting with it in the antomical theatre of the Santo Spirito, and have reported on it as one of the happiest of recent discoveries, and as particularey serviceable on the field of textile. battle.

therefore adjourned to meet in Independence school house a few miles north. Now a question or two.

EWhere can Cushing's Manual be obtained, and what will it cost? Where can black locust seed be obtained? Has alfalfa clover been the county board should be obtained? Has alfalfa clover been the county board should be obtained? Has alfalfa clover been the county board should be safely a committee of a majority of cases that come tee for a majority o IMPROVED MUCILAGE.—Ordinary mucilage.

# The Kansas Farmer.

J. K. HUDSON, Editor & Proprietor, Topeka, Kan.

TERMS: CASH IN ADVANCE

ne Copy, Weekly, for one year, ne Copy, Weekly, for six months, he Copies, Weekly, for one year, ive Copies, Weekly, for one year, en Copies, Weekly, for one year,

ADVERTISING RATES:

One Insertion, 20 cents per Line, nonparell type.
One Month, 15 cents per Line, nonparell, each insertion,
Three Months, 12 cents per Line, nonparell, each insertion.
One Year, 10 cents per Line, nonparell, each insertion.
Special Notices, 25 cents per Line. No advertisement taken for less than one dollar.

SPECIAL RATES FOR LARGE CONTRACTS.

In the Breeders', Nurserymen's and Seedmen's Directo-ries we will print a card of three lines for one year, for \$5. This will give a circulation to the card of nearly 200,000 cop-les during the year, the bost offer ever made by a first-class weekly paper.

#### OUR CONTRIBUTORS.

DR. JOHN A. WARDER. Ohlo.
GEO. T. ANTHONY. Leavenworth, Kan,
DR. CHARLES REYNOLDS, Fort Riby, Kan.
S. T. KELSEY, Pomona. Kan.
MRS. CORA M. DOWNS, Wyandotte, Kan.
"JUNEBERRY." Wyandotte County.
MRS. M. S. BEERS, Shawnee County
MRS. SOULARD.
"RAMBLER."
"BETTY BADGER," Freeport, Pa.
DR. A. G. CHASE, Leavenworth.
JOHN DAVIS. Davis county.

THE RAILROAD PREFERRED STOCK LAW.

We published officially this law last week, and made some comments upon its character and the manner in which its passage was secured. It is currently reported by those who were not un friendly to the measure, and who have means of knowing what they talk about, that the passage of this bill cost the perties in whose interest it was made, \$8,000. To what newspapers, what lawyers and what members this money was paid we are not at this time able to state. If any part of these suspicions are true, it certainly proves to ordinary people, that there was fraud and swindling at the bottom of these measure.

The large number of laws this week has crowdout our news columns and much editorial matter we wished to get in. Our article on the legislature for 1874 will appear next week. We have for the next issue an article from Mr. Thomas Mechan, editor of the Gardners Monthly, also one from Mr. Kelsey, Mr. John Davis, and from some new eastern correspondents. Mr. Coleman of Douglas county contributes a paper on "Tame Grasses." The laws of the last session of the legislature which are published in this paper will be found a new and valuable feature of the paper. We call especial attention to the change in the Stray law, which will be found among the laws published this

. .

BY AUTHORITY.

| Consider the provisions of this act to publish for at least three consecutive works in some newspaper of general circulation in the country township or city and by the constitution of such of the such notice. See the country township or city and by the country township township or city and by the country township township township township township to the provision of country and the country township township township township township township township township to the country township township

The Action Section 1999 and the section of the sect

# THE KANSAS FARMER.

true and correct copy of the original enrolled bill on file in my office. file in my office.

In testimony whereof I have hereunto sub[SEAL.] scribed my name and affixed the great scal of
state. Done at Topeka, Kansas, this 17th day
of March, A. D. 1874.

W. H. SMALLWOOD,
Secretary of State.

[Published Wednesday, March 18, 1874.]

#### AN ACT

To vacate the Public Alghway fon a section line

Be it enacted by the Legislature of the State of Kan

SECTION 1. That the section line road on the section line between section nineteen and thirty in town four, range soven, west, also section twenty-four and twenty-five, town four, range eight, west, in Jewell county. Kansas, be and the same is hereby vacated, and to be no longer held as a public road under the law declaring section lines public highways, all laws to the contrary notwithstanding.

SEC. 2. This act shall take effect and be in force from and after its publication in the Kansas Farmer.

Approved March 9, 1874.

I. W. H. Smallwood, Secretary of State of the state of Kansas, do hereby certify that the foregoing is a true and correct copy of the original carolled bill on file in my office.

In testimony whereof I have hereunto subsettle of the same of March, A. D. 1874.

W. H. SMALLWOOD,

Secretary of State.

[Published Wednesday, March 18, 1874.]

#### AN ACT

To legalize certain acts of the board of commissioners of Clay county, Kansas.

WHEREAS, The county commissioners of Clay

county, Kansas, under the belief that the spirit and intent of the proviso contained in section one of an act entitled "An act entitled an act amendatory and supplemental to chapter eighty-nine, general statutes of 1868, "approved March 1st, 1872, authorizing them so to do, have located sundry roads and highways, ("where the owners of the lands taken agreed in writing" to such location; said location being defi-

[Published Wednesday, March 18, 1874.]

#### AN ACT

Defining the boundaries of Edwards and other counties and amendatory of chapter twenty-four of the general statutes of Kansas approved March 3, 1808, (as amended by an act approved March 6, 1878), defining the boundaries of

Be it enacted by the Legislature of the State of Kan-

Be it enacted by the Legislature of the State of Kansas:

SECTION 1. The county of Edwards is bounded as follows: Commencing at the intersection of the east line of range sixteen west with the north line of township line to the east line of range interest with said township line to the east line of range interest with said township line to the east line of range interest with said township line to the county of the east line of range west; thence west with said township line to the east line of range sixteen west; thence south; thence west with said township line to the east line of range sixteen west; thence north to the place of beginning.

SEC. 2. That section thirty-seven of said act be so amended as to read as follows; Section 37. The county of Klowa is bounded as follows; Commencing at the atterestion of the east line of range sixteen west; thence south with said range line to the morth line of township line to the east line of range sixteen west; thence south with said range line to the morth line of township line to the east line of range sixteen west; thence north with said range line to the place of beginning.

SEC, 3. That section seventy-three of said act be so amended as to read as follows; Section 33. The county of Stafford is bounded as follows: Commencing at the intersection of the east line of range eleven west; thence south with said range line to the north line of township line to the east line of range sixteen west; thence south with said range line to the north line of township line to the east line of range sixteen west; thence south with said township line to the east line of range sixteen west; thence south with said township line to the east line of range sixteen west; thence east line of range sixteen west; thence south with said township line to the east line of range sixteen west; thence south along the east line of range sixteen west; thence south along the township twenty-four south; thence west line of range sixteen west; thence south along the east line of range line to the lowns

the publication of the notice, as heretofore provided.

SEC. 7. That section 20 of said act is hereby amended so as to read as follows: Section 30. The justice of the peace shall receive the sum of thirty-five eents for making out and recording each certificate of appraisement, including the oath administered to the appraisers, whether such certificate contains a greater or less number of animals, and forty cents for each certified copy of all proceedings pertaining to such stray or strays: Provided, That the fees charged by such justice of the peace in any one case shall not be greater than one dollar and fifty cents. The appraisers shall be allowed for their services each fity counts, and in no case shall they receive mileage.

ge.
Sec. 8. That original sections 9, 10, 11, 12, 19, 29, and 30 of the act to which this act is amendatory

SEC. 8. That original sectors and 30 of the act to which this act is amendatory are hereby repealed.

SEC. 9. This act shall take effect and be in force from the state of the state of the state of the state of Kansas, do hereby certify that the foregoing is a true and correct copy of the original enrolled bill on file in my office.

In testimony whereof I have hereunto subficient of the state of the state

[Published Wednesday, March 18, 1874.]

To provide for Listing and Valuing the property of Railroads.

Be it enacted by the Legislature of the State of Kar

cases where the title to any stray shall vest in the taker-up by the lapse of time, the taker-up shall pay into the county treasurey, after deducting all costs of taking up posting and taking care, one-half of the remainder of the appraised value of such stray, to the use of the county school fund: and in default of such payment, the county shall hold a lien on such stray, to secure the payment of such molety to the county.

SEC. 6. That section 29 of said act is hereby amended so as to read as follows: Section 29. The the county clork shall recieve for recording cach of the same, as heretofore provided, thirty-five cents, whether such certificate of strays, and fifty cents additional for each animal described therein, to pay for the publication of the notice, as heretofore provided.

SEC. 7. That section 30 of said act is hereby amended so as to read as follows: Section 30. The justice of the provided therein, to pay for the publication of the notice, as heretofore provided.

SEC. 7. That section 30 of said act is hereby amended so as to read as follows: Section 30. The justice of the propagation of the same, as heretofore provided.

SEC. 8. That section 40 of said act is hereby amended so as to read as follows: Section 30. The justice of the propagation of the publication of the notice, as heretofore provided.

SEC. 7. That section 30 of said act is hereby amended so as to read as follows: Section 30. The justice of the peaces shall receive the sum of thirty-five cents for making out and recording each certificate of appraisement, including the oath administered to the appraisers, whether such certificate contains a greater or less number of section 40 property in the same manner as provided for by law in other (certificate contains a greater or less number of section 40 property in the same manner as provided for by law in other (certificate contains a greater or less number of certificate on appraisement. Including the oath administered to the appraisers, whether such certificate contains a greater or less

same manner as provided for by law in other cases.

SEC. 12. When any rallroad company shall make or record a plat of any contiguous lots or parcels of lahd belonging to it, the same may be described as designated on such plat.

SEC. 13. The returns required by this act shall be made in conformity with such instruction and forms as may be presented by the auditor of state. SEC. 14. Chapter 150, session laws of 1871, entitled "An act amendatory of and supplemental to an act to provide for the assessment and collection of taxes," approved March 2, 1871, is hereby repealed.

Apriles and collection of taxes, "approved March 2, 1871, is hereby repealed.

Sec. 15. This act shall take effect and be in force from and after its publication in the Kansas Farmer.

Approved March 9, 1874.

I. W. H. Smallwood, Secretary of State of the state of Kansas, do hereby certify that the foregoing is a true and correct copy of the original enrolled bill on file in my office.

SEAL. In testimony whereof I have hereunto subfile in my office.

SEAL. Seribed my name and affixed the great seal of state. Done at Topeka, Kansas, this 17th day of March, A. D. 1874.

W. H. SMALLWOOD, Secretary of State.

SECONDAL SERIES Common Secretary of State.

Business 2 lotices.

SEEDS: VEGETABLE AND FLOWER, in lumb, Bedding, Plants, Roses, Daklins, Fuchsias, Geraniume, Bedding Plants, Gladiolus, etc. Send for Dreer's Garden Calendar, 168 pages, Illustrated, vibractical directions, malled free. Special discount to Granges, HENRY A. DREER, 714 Chestnut street, Philadelphia, Pa.

Land-Wood, Secretary of State of the state of the

Leavenworth, Kan.

GRANT, MABBETT & CO.

Imported Jersey Cattle.

A Few head of Young Bulls and Heifers are offered at Eastern prices. Also, Imported Cows, and as Imported Bull for sale. This stock is of warranted purity, all being herd book animals. Correspondence solicited.

E. A. SMITH.

Lawrence, Kan.

Cheese Maker Wanted.

first class workman can hear of a good of poportunity to engage in cheese making in this state by addressing Editor of this paper.

Chickens for Sale.

Chickens for Sale.

WE will sell, for the next sixty days, our large stock of Seeds and Implements to Grangers or any parties favoring us with orders accompanied with eash, at our regular wholesale price list. Parties wishing Brown's Corr Planters, Garden City and Molino Plows, Skinner Breakers, Gang Plows and other articles in our line, will find it greatly to their advantase to send us their orders. Send for special price list.

GRANT. MABBETT & CO.

Leavenworth, Kan., Feb. 10, 1874.

Land Warrants, 160 acres, Buying \$160 Selling \$180 Land Warrants, 120 acres, Buying \$150 Selling \$180 Land Warrants, 120 acres, Buying \$150 Selling \$150 Land Warrants, 120 acres, Buying \$150 Sellin

Services of the control of the contr I could to bring "order out of chaos,"—but upon laying aside all cares and continuing the remedy I find after using less than one bottle to be so much benefited that I have discontinued the use, with no return of the symptoms of which I wrote you. I have suffered terribly and what added to my distress was the consciousness of not procuring relief from ordinary sources, at times it seemed about imposible to stand so great was the distress. All of those severe neuralgic pains have disappeared, they were so bad at times I could hardly walk with out some external pressure. They seemed to have left me like magic, suddenly, and have had no return; all other symptoms have been removed. The severe weakness and faintness have disappeared, and I can go up stairs with comparative ease now. I would have informed you ere this of my improvement, for I appreciated it, but I was fearful it was only transient benefit I was recieving, but I think and

## Market Review.

OFFICE OF THE KANSAS FARMER. TOPEKA, KAN. Mar. 18 1873.

Topeka Money Market. BONDS.

Kansas Pacific Gold Sevens, May and Nov. Kansas Pacific Gold 7s, L'd Gr. Jan'y, June 80 Kansas Pacific Gold Sixes, June and Dec 80 Kansas Pacific Gold Sixes, June and Dec 80 Kansas Pacific Gold Sixes, Feb. and August 80 Kansas Pacific Income Sevens, No. 16, Atchison, Topeka & Santa Fe First Mortg'e 75 Atchison, Topeka & Santa Fe L'd G't Bonds 80 83 83

Kansas 7 per cent Bonds 98 City Seript
Kansas 6 per cent Bonds 99 City Seript
Blst. School Bonds 80g/S
State Warrants, per
County Warrants per
County Per cent rail.
Total Bonds 50g/S
Total Bonds 50g/S
Total Bonds 90g/S
Total Bon

GRAIN MARKET.

WHEAT—Fall No. 2, \$1 75; No. 3, \$1 15@1 29 No. 4,\$1 00 G81 00. Spring, Red. No. 2, 90c. Cors.—White. No. 1, 70c in bulk; Yellow and Mixed, 45. OATS—No. 1, 32c in bulk.

HART—Glock \$1 00. Floor B—Wholesale Millers' rates—No. 1, Fall, \$3 55; No. 2,\$3 55; No. 3, \$3 (6; Low Grance, \$2 50, Corn Meal—Bolted, in sacks, \$1 35; Bulk, \$1 25.

Leavenworth Market. LEAVENWORTH, March 18

FLOUR AND GRAIN. Barley—No. 1, \$100; No. 2, 90c; No. 3, 85c. Conn—Shelled, 54c; Yellow, 58c; Ear, 55c. Ryk—No. 1, 60c; No. 2, 55c; Sear, 55c. Wheat—No. 2 Fall, \$1, 35; No. 3, \$1, 20; No. 4, \$1, 15; Rejected, \$1, 60; Norm, 70c; 80c. Flour—Choice Family, per sack, \$3, 75; XXXX, \$3, 50; XXX, \$3, 25; XX, \$2, 50; X, \$1, 70. Ryc, \$2, 25 per ewt. Conn Mal.—\$1, 20 per ewt. Bran—100c.

CALTLE—Supply limited and demand good for fat cattle. Native Steers, 34,661c; Cows, 3c; Texas Steers, 36,634c. Hogs—Recepits light and demand good at extreme range Live Hogs, 34 (004 75. Dressed—Good to Ceolee, 56,554; L PRODUCE. BUTTER-Choice, 20c; Firkin, 30c; Cooxing, 14c BEGGS-22c, BEANS-While Navy, \$2 50, POTATOES-Early Rose, \$1 40; Peachblows, \$1 50.

Kansas City Market. KANSAS CITY, March 18.
PRODUCE AND PROVISIONS.

CATTLE AND HOGS. CATTLE—Native Steers, \$5@5 95. Fat Oxen \$5 (0@5 50). Texas Steers and Cows mixed, \$3 45, Hogs -\$1 80@5 00.

# St. Louis Market.

WHEAT—Spring No. 2, \$1 20@1 25\(\gamma\); Fall No. 3, \$1 43\(\gamma\)
1 49; No. 2, \$1 65\(\gamma\); 1 25\(\gamma\); Fall No. 3, \$1 43\(\gamma\)
CORN—No. 2 mixed, 62\(\gamma\); 0
BARLEY—Kunsas, \$3
BARLEY—Kunsas, \$3
BARLEY—Kunsas, \$3
BARLEY—Ross, \$0;
CATTLE—Good to Choice Native, \$1 59\(\gamma\), 30 Good to rime Texan and Indam, \$150\(\gamma\) 59.

WHEAT-No.1 Spring, \$1 20; No.2, \$1 17@1 25 No.3, 19. ORN-No. 2, mixed, 58@59c ATS-No. 2, 43c

OATS—No. 2, 430 RYS—No. 2, 806EC. BARLEY—No. 2, 81 6862 00 No. 3, \$1 53@1 70. WHISKY—SUSSIGERIC. PORR—\$14 25614 50: BULK MEATS—Shoulders, 5566; Short Rib, 75c, loose. GREEN MEATS—Shoulders, 75c; Short Rib, 7c.

## New York Market.

NEW YORK, March 18. FLOUR—Superfine, \$5 7026 20; Common to Good, \$6 30; Good to Choice, \$6 8036 90; White Wheat Extra \$6 3967 50.
WHEAT—No, 2 Chicago Spring, \$1 4921 52; Iowa Spring 15 1621 57; Northwest Spring, \$1 4921 52; Iowa Spring 15 1621 57; Northwest Spring, \$1 63. 46 9967 50.

WHEAT—No, 2 Chicago Spring, \$1 4961 52; Iowa Spring
15 1641 57; Northwest Spring, \$1 68,

BARLEY—Western, \$1 45.

CONN—Western Mixed, \$50; New mixed, \$366300
OATS—Western Mixed, \$50; New mixed, \$366300
OATS—Western Mixed, \$6665; Prime Mess; \$15 00;

Xtra Prime, \$16 62566 17; 90,

LARD—Prime Steamed, 94c.

# CENTAUR LINIMENT



CASTORIA is more than a substitute for Castor to Oil. It is the only safe article in existence which is sure to regulate the bowels, cure wind colic and produce natural sleep. It is pleasant to take. Children need not cry and mothers may sleep. 10-19-1y

# Literary and Domestic.

EDITED BY MRS. M. W. HUDSON.

"KEEP A STIFF UPPER LIP."

There has something gone wrong
My brave boy, it appears,
For I see your proud struggle
To keep back the tears.
That is right. When you cannot
Give trouble the slip,
Then bear it, still keeping
"A stiff upper lip!"

Though you cannot escape Disappointment and care, The next best thing to do Is to learn how to bear. If when for life's prizes You're running, you trip, Get up—Satt sgain, "Keep a stiff upper lip!"

Let your hands and your conscience
Be honest and clean;
Scorn to touch or to think of
The thing that is mean.
But hold on to the pure
And the right with firm grip,
And though hard be the task,
"Keep a stiff upper lip!"

Through childhood, through mankood Through life to the end Through chidahood, through Through life to the end, Struggle bravely and stand By your colors, my friend. Only yield when you must, Never "give up the ship," But fight on to the last With "a stiff upper lip."

#### CHROMO PICTURES.

pictures of all kinds and they think we ought men, and do not despise their youth. to know something of the Chromo's now so popular.

There are few homes now days where relig- For the Kansas Farmer. ious, literary, or agricultural periodicals are read, that is not also supplied with more or less chromes, some good, some indifferent, and many very bad.

Of these latter it is said that they do good,

But this can seldom be said of cheap chromos, they depend upon their colors alone in almost all cases, many of the most popular and widely disseminated being merely a face, the picture of, indifferently drawn, expressionless and badly colored, they are common place, for of my nervousness. such are round us everywhere, and the grand est of which to make a grand or beuatiful picture, look upon Guido's Beatrice de Cenci picture, look upon Guido's Beatrice de Cenci stars did not shine out; the children were tuck and the faces of many of the madonas by the ed away to sleep, and Faithful unnoticed by look of masters, the defective copies we get of any of us had changed his bed from the rue old masters, the defective copies we get of them entrance us without any color.

The cheap chromo pedlar or premium sub scription agent recites a long rigmarole about the beauty and grace and brilliancy of his sample pictures and if perchance anyone suggest that they are too brilliant he tells you are entirely mistaken, that the mixture of colors is chair. classic and will he found in the finest and most valuable works of art in the world; but, mixed. Not all the old masters succeeded in green and yellow; (and a classic drapery must always contain at least the two former) some of them used only neutral tints, and others not so ready to see, nor willing to acknowledge their deficiency, have left us pice enough, seems to me all day?" tures, whose grand conception have been men red for all time, by glaring and incongrous

are harshly colored, but it is a pity, when so much of this world's beauty consists of color, It is not to be wondered at that cheap chromos that such daubs should be palmed off upon so say." many of us, as fine works of art; they gives us no idea of what art has achieved. Neither is room and gone in to the other preparatory to room at gone in the string room and gone in the string room and gone in the string room at gone in the string room and gone in the string room at gone in the string room and gone in the string room at gone i many of us, as the works of arc, any general proof and gone in to the other preparatory to no idea of what art has achieved. Neither is going to bed, and she now directed my attentit strange that so few people are able to detect discordant (if our musical friends will allow dueer wishful looks still in his eyes. Going over to him I knelt down and putting my arms over to him I knelt down and putting my arms over to him I knelt down and putting my arms over to him I knelt down and putting my arms and was mostly destroyed by the English in and was mostly destroyed by the English i us the use of the term) colors, when many persons who think they know all about colors in dress consider it good taste to wear mitted him to lick my hand with his great wet as when newly cut. In the niches on the mitted him to lick my hand with his great wet as when newly cut. In the niches on the construction of the term) colors, when many persons and was mostly destroyed by the English in a winter's night when in the room there were old newspapers enough, if spread beneath his mitted him to lick my hand with his great wet. scarlet and light green together, when to an artist's eye, few combinations are more harsh. Some shades of green and red are perfection to gether—but they cannot be written here, we locked the door, as I did so the dog sprung up are wandering and must return to our chroon his hind feet and smelt at the key hole for work with, they are marvels of workmanship

look as though flattened and pressed to the

cieve the same effect, nature gives us nothing inharmonious.

We have made a small collection of all the for those of German manufacture: they are so much softer and so much more natural: but American chromos have been improved wonderfully in the last five years and several firms now manufacture beautiful pictures, for a price which is very low compared with the price of good victures of any core of good victures of good victures of any core of good victures of good victures of any core of good victures of good vict price of good pictures of any other kind.

insult the strength of her noblest children, to wither their warm enthusias m early into the bitterness of patient battle, and leave to those We have been asked by some young readers whom she should have cherished and aided, of the FARMER to tell them semething about no hope but in resolution, no refuge but in dis-Chromos; probably not because we know so dain." Rather let it be said of us, that like much, but because we have a weakness for Italy, in our great period, we know our great

OLD DOG FAITHFUL.

BY MRS. M. STRATTON BEERS. CHAPTER II.

Of these latter it is said that they do good, that they are better than no pictures etc., all of which is true we believe, for a bright spot is prettier than many bare walls and even a poor picture serves as a window of escape for the mind; they perhaps inspire us to decorate our homes in other ways and to arrange in a more tasteful manner all our surroundings, but that they teach an appreciation of good works of art, in any degree, is questionable.

With the touch of my foot upon the first of the stone steps there came into my heart again the same enerous dread, or presentiment of something terrible to come, which I had before attributed to the fact of having so large an amount of money in the house, and spite of every endeavor I could not drive it away. To add to my nervous excitement, Faithful snuff, but that they teach an appreciation of good works of art, in any degree, is questionable.

We shally came up the kitchen stairs. It the stone steps there came into my heart again the same mervous dread, or presentiment of something to the some men she had found passing the gate, whom she had made acquainted with wool are far preferable to those made of cotton, and are warmer even than blankets, since the fibers of wool are wider apart and the same are withour night's adventure.

Hester had the presence of mind to procure ropes from the kitchen, with which the men to something tend to proceeded to bind hand and toot the man who had so long lain, held by good old. Faithful's every when he was securely bound at the survey to feel satisfied that he was really and the same are roved to be some men she had found passing the gate, whom she had made acquainted at the proved to be some men she had found passing the gate, whom she had made acquainted at the proved to be some men she had found passing the gate, whom she had made acquainted at the proved to be some men she had found passing the gate, whom she had and otto the man who do the man who had so long lain, held by good old. Faithful's the body, To be covered warml steps leading up to the porch in such a new Wo frequently see cheap pictures, mere rough wood cuts, which embody anidea and are really artistic, as are many of Nast's ludicrous caricatures, and copies of some of Hunt's sentimental pieces.

Steps leading up to the porch in such a new the survey to feel satisfied that he was really secure, and bouncing to the closet door he growiled and pawed, looking all the time at us. Upon my telling the men of his singular maning netters are many of Nast's the same way several times. I called him to me at last, and told him to be still, stamping merety at the time, he secure, and search the was really secure, and bouncing to the closet door he growiled and pawed, looking all the time at us. Upon my telling the men of his singular man. There are newspapers over it and replace the proceeded to examine the closet. On the proceeded to examine the closet. On my foot in some irritation; he obeyed me insopoorest subject in the world to make a poor as if asking permission to extend his explora-

any of us had changed his bed from the rug but there all sign disappeared.

When my husband returned and heard the story he went immediately to see the prisoners, and found in the prison one of the from either Hester or myself could induce him from either him either hi

Wearily passed the evening hours away, and when nine came I saw Hester dozing in her than the chair.

I the empty cellars were also searched, and it was found an easy entrance had been effected through a window which was almost hid-

"Hester." I said, 'the girls are sound asleep and will never know the difference if you sleep we would suggest they are not classically with me to night instead of in the room with them. I am dreadfully nervous, and I know blending harmoniously red and blue and I will not sleep a wink if you leave me; would you just as lief stay with me to-night?"

"I would if that horid dog would come back where he belongs, ma'am, but he acts curious

"P shaw! I have just thought why he prefers the other room to this one, Hester, this one is so warm!"

"Like enough it is that! He knows so much

We had turned off the gas in the sitting

door hanging as if just ready to fall, I put out my hand and pushing it in turned it until it

to represent a meadow and the trees will not a loaded revolver in one of his drawers, and I look as though flattened and pressed to the knew I could put my hand on it in the dark, look as though flattened and pressed to the paper; whatever may be the prevailing hue of the sky and trees will be found imparted more or less to all other objects, and pervading the whole picture.

If you look out the window you will persisted the covers are the same time I fancied my olfactories took in the faint odor of chloroform, but as it grew no in the faint odor of chloroform. more definite I concluded this was just a fancy; to be admired, but the name of the author suddenly I felt a draft of air blow over me that once inhabited it, is fresh in the memory In midsummer, the landscape presents to the eye a much greater quantity of some dark sober tint, than it does of green, and the ever changing lights and shadows break all matters of color into innumerable tints.

We have made a small collection of all the landscape presents to from the front room, heard a slight growl from Faithful, then what seemed to be a spring made by him, followed immediately by a heavy fall of something to the floor, successive growls from Faithful, and sounds as if some person was struggling with him I sprung to the door, and at the window that looked out.

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could not guess; never a sound more, saving ed vest, shoes and gaiters, and Greeley white

per.
"No, keep quiet!" I replied. "No, keep quiet!" I replied.

She put on her clothes and came and knelt down at my side and clasped my waist with her arms, and thus we waited for the dawn. With the coming of the first faint streaks of light, our courage strengthened; we could now see that the man laying on the floor was firmly held by the throat with Faithfuls' teeth, and that if he moved the least the dog would tighten his grip, which he relayed slightly as soon en his grip, which he relaxed slightly as soon

whispered to Hester that she must go and during waking hours depend upon how we bring assistance from the town, in which we sleep, every trifle contributing to our comfort could now hear the rumbling of carts and others. The lighter the hold er vehicles. Without a word she rose' went out down through the kitchen, and in a few clothes the more refreshing and sweet will be minutes I heard her voice talking to some one the repose. Comforts made of delaine or other With the touch of my foot upon the first of as they hastily came up the kitchen stairs. It

den by the shrubbery, and had hitherto escaped

Years have passed since that eventful night but we still live in the great house, my brother having concluded to bide with us' with his sweet wife, and now two noble doys sleep, one in the front hall, and one in the kitchen below to warn us if danger approaches, while we have learned to heed their snuffing and bark ing as tokens of something not right.

For the Kansas Farmer.] A KANSAN IN EUROPE .-- No. 9.

BY RAMBLER.

South from Edinburgh, a three hours ride brings us to Melrose Abbey, so famous in romance and poetry. It is one of the finest specimens of gothic architecture in Scotland, tongue.

On raising, I noticed the key in the closet Paul, the other St. John, and when we con east wall are two figures, one representing St. on his hind feet and smelt at the key hole for a full minute, then turned his head round at me and again gave one of his short barks.

"It need scarcely be told that chromos are printed from stone, though we have heard people say in apology for a poor picture that it was only a chromo-lithograph, that is just what they all are, colored lithographs, but in stead of being a black and white lithograph colored with a brush the color is printed on and there is a separate stone for each color, hence the expense of the fine, soft toned ones;

on his hind feet and smelt at the key hole for a full minute, then turned his head round at me and again gave one of his short barks.

"It is locked old boy don't you believe it? Seel and taking hold of the knob I turned and returned his head round at me and again gave one of his short barks.

"It is locked old boy don't you believe it? Seel and taking hold of the knob I turned and returned his head round at me and again gave one of his short barks.

"It is locked old boy don't you believe it? Seel and taking hold of the knob I turned the royal families of Scotland are interred here; among whom is Alexander II. The heart of Robert Bruce is also buried here. The Monks Walk was a favorite resort of Sir Walson to pace this walk ter Scott. It was his wont to pace this walk ter Scott. It was his wont to pace this walk by moonlight, for hours, with no companion but his thoughts. Here it is said, he composed but his thoughts. Here it is said, he composed but his thoughts. Here it is said, he composed but his thoughts. Here it is said, he composed but his thoughts. Here it is said, he composed but his head round at me and dagain gave one of his short barks.

"It is locked old boy don't you believe it? Seel and taking hold of the knob I turned his head round at me and again gave one of his short barks.

"The approach of spring remi mamong whom is Alexander II. The heart of Robert Bruce is also buried here. The Monks Walk was a favorite resort of Sir Wall was a favorite resort of Sir Wall hence the expense of the fine, soft toned ones; with but few stones, few shades can be obtained and the picture is necessarily hard, and, if bright colors are used, glaring. In a land-scape chromo there is no better test of its worth, than the appearance of its sky, if that the appearance of its sky, if that the picture has no more substantial merit to rest upon, turn it upside down and leave it. If, instead, you can imagine that

At the entrance to the ruin is an old yew dimes spent for flower seeds will produce an tree, said to have been planted at the time the to be admired, but the name of the author sovereigns of Europe to the gifted author price of good pictures of any other kind.

We have some young artists of really great capabilities and we are proud that in nearly all instances, they are being appreciated and encouraged according to their deserts. Ruskin says "that it is reserved for England to insult the strength of her noblest children, to was the owner, from his lordly manner to wards us, but as he asked us for the usua shilling, perhaps we were mistaken.

For the Kansas Farmer.

COMFORT AT NIGHT.

BY CHARLOTTE SOULLARD. We pass one third of our whole life in bed s he grew quiet again.

We pass one third of our whole life in bed
Finally when day-light was fairly broken I and as much of the whole value of our labors is worthy of attention. The lighter the bed thin woolen material and stuffed with wool widths of calico, or if away from home, throw off my foot in some irritation; he obeyed me insomuch that he followed me quietly into the sitting room and squatted himself upon his rug, but he kept his great wistful eyes upon me, and occasionally give that short peculiar bark, as if asking permission to extend his explorations which privilege I denied him because of my nervousness.

they proceeded to examine the closet. On the lace and hands it they opening the door they found a boy of some in contact with them. Those who do not like to dispense with their warmth can beside the other. In the closet were found aste a piece of bleached muslin or linen half a pieces of meat which he confessed were poison with which, had I not just happened to have locked him securely in, he would have rendered us all insensible while the men would have rendered us all insensible while the men would have sistance as they bound him, and placed him beside the other. In the closet were found and occasionally give that short peculiar bark, as if asking permission to extend his explorations which privilege I denied him because of my nervousness.

The night came on at last. There was no moon, and clouds had risen so that even the stars did not shine out: the children were tuck.

In the closet were found beside the other. In the closet were found besides of the upper end of the deep on both sides of the upper end of the approach as a piece of bleached muslin or linen half a yard deep on both sides of the upper end of the closet of the purpose of killing the dog, also a sponge and a bottle containing chloroform, with which, had I not just happened to have locked him securely in, he would have render ed us all insensible while the men would have render and a half yards wide, quilts should be two stars did not shine out: the children were tuck. and a half wide. Thin quilts for summer us

woolen blanket between two layers of calico.

and running lines with the needle about three

the feet while sleeping. Have a well smooth-

for warming cold feet. It is quite light, does

not scorch sheets, and retains the heat for

long time. I will give some hints from an old person on the use of old newspapers, and I am done. If you are to take a ride of ten or twenty miles against the wind in a cutter, spread a newspaper over your chest before you button up air out old newspapers come admirably into Blooded Stallions For Sale, scanty covering, to have kept him warm and comfortable. Even a cellar or a miserable shanty may be made many degrees warmer if papered with several layers of newspapers."

## THE CULTIVATION OF FLOWERS.

The approach of spring reminds us that now is the time to mature our plans for im proving our grounds, and securing a supply of flower seed for spring planting.

To one who neglects to cultivate flowers, and shrubs, the country cannot be made to

you see away off through the soft haze, among the clouds and far out into the horizon, sit down and study it, we think it will do to buy, there will be no broad, smooth, shining square the seemed an eternity, then I breathed then it seemed an eternity, then I breathed again, and began to think; my husband kept the sales, which is that held spell bound every faculty for the tiful part of the Abbey. His wife's tomb is which city bred people misname pleasures, on his left and his eldest son, Col. Walter then it seemed an eternity, then I breathed constraints and the sales, which is the state of the abbey. His wife's tomb is which city bred people misname pleasures, on his left and his eldest son, Col. Walter there will be no broad, smooth, shining square again, and began to think; my husband kept remains of his son in-law Mr. Lockhart.

amount of pleasure which can scarcely be esti-

The love of this beautiful occupation is inreasing, every home, however humble, may onjoy flowers. The lonely cabin on the prairie

may be beautified by these children of nature. The cultivation of flowers has a refining influence upon families. The children love

ers; if you cannot buy expensive flower seed plant a morning glory and train it over your window.

## New Advertisements.

## Hearing Restored.

A Great Invention, by one who was Deaf for twenty years. Send stamp for particulars to JOHN GARMORE, Lock Box 80, Madison, Ind.



## Pure Cane Seed.

VARIETIES—Liberian, Regular Sorgo and Oomseeana. Phices—By mall, postage paid, 50 cents per lb; by express, 25 lbs or less, 30 cts per lb; over 25 lbs, 20 cts per lb, package included. The Necazana is dropped from our list. Regular Sorgo and Oomseeana are becoming subject to mildew and rust. We therefore recommend the Liberian for general cultivation.

Two to three pounds required per acre.

Two to three pounds acre. Money with order. Sorgo Hand Book 

# Poultry Breeder.

ITTLEMAN, Springfield, Ohio, Breeder of all vari-cties of pure bred Poultry, Rabbits, Pigeons, etc. Singlag Birds. Send for price List.

## Small Fruit Plants.

## Short-Horn Bull.

A Thoroughbred Short-Horn Bull, from the famous McMillan herd, will be sold low or exchanged for a Horse. JOHN H. BYRD, Leavenworth, Kansas.

## For Sale Cheap.

A Very superior Thoroughbred Jersey Bull, 2 years old this spring. J. C. STONE, Leavenworth, Ks.

## Important to Farmers & Gardeners.

## ROAD NOTICE.

NOTICE is hereby given that a petition will be presented to the Board of County Commissioners of Shawnee county, Kangas, at their April session of 1874, asking that a road be established, as follows:

Commencing at the Wakarusa valley road near the southeast corner of the southeast quarter of section 28, township 18, range 16, thence west on said line until it intersects the said Wakarusa valley road.

Also to vacate the said Wakarusa valley road from the commencement of this road to where they again intersect.

W. COKER, Principal petitioner. from England. It was made by placing a large

NEW CROP FRESH AND GENUINE

#### inches apart. Some one has said that old WETHERSFIELD flannel, and partly worn blankets can in this ONION SEED way can be transformed into bed coverings And Other Choice Vegetable Seeds

#### very useful if not ornamental. I wish to mention two ways of adding to the comfort of MARKET GARDENERS' STOCK.

the feet while sleeping. Have a well smoothed piece of hard timber, twelve inches long and twice as thick as a common brick. Heat thoroughly and it will be found a capital thing for warming cold feet. It is quite light, does Deming's Early B. Turnip Beet, "10e" 1 00
Egyptian "true. "40c" 4 00
Boston Hothouse Lettuce. "50c" 6 00
Boston Market Celery. "50c" 5 00
Hoston Market Celery. "50c" 5 00
Hoston's Alpha Peas, earliest wrinkled sort, qt. 75
Early Minnesota Sweet Corn, earliest known "50
The above and many other varieties sent by mall on receipt of price. My Annual Seed Catalogue and Price List for gardeners, farmers and grangers mailed free on application. Special rates to Granges who apply officially through their secretary or purchasing agent. Address R. D. HAWLEY, Seed Merchant, Hartford, Conn.

I Offer for sale two Imported Draft Stallions; one a five years old Clydesdale, weighing 1,600 pounds, dapple gray color, and has taken a prize wherever exhibited. Also, two Stallion Colts, of his get, two years old. Also, a Suffolk Punch stock, coming four years old, dark che-tunt, good action, weighs 1,650 bs. H voc : ll. sted § 1 100 for service of the five year old and \$800 tor young horse for last season. Reason of sale, ill health and absenc from home by doctor's advice.

Tenus.—\$1,200 each, reasonable time. real estate security. Large discount for cash. DONALD D. McRAE Wyoming, Jones county, Iowa.

## SEEDS!

THE English Champion Squash is the largest and best for stock or table use, sometimes weighing nearly 300 pounds. This is the only squash that will mature in a dry season. Price 25 cents per package.

Bresee's King of the Earlys
is several days carlier than Early Rose. I will send 75
eyes for 50 cents postpaid. EDWIN SANDY, Hopper,
Washington county, Kan.

Wanted Agents—for Dr. Cornell's *Dollar Family Paper*—Religion and Health united — A splendid premium to every subscriber—nothing like it in the country—a rare chance—particulars free—B. B. Russell, Publisher, Buston, Mass.

\$100 to \$200 per month guaranteed to agents structuble white Wire Clothes Lines. Sample free. Address the Honson Wire Mills, 128 Maiden Lane, N. Y., or 18 Clark st., Chicago, Ill.



BUILDING FELT

This waterproof material re-sembling fine leather, is for out-side work, (no tar substance used), and inside, instead of plaster. Felt Carpetings, etc Send two 3 cent stamps for cir culars and samples. C. J. FAY, Camden, N. J.

## THE STRAY LAW.

STRAYS.

ARTICLE III.

SEC. 5. No person shall take up any unbroken animal as a stray, between the first day of April and the first day of November, unless the same be found within his lawful enclosure; nor shall any person, at any time, take up any stray unless it be found upon his premises, except as in this chapter otherwise provided. Sec. 6. No person shall take up any horse, mule, ass, ox. bull, sheep, swine or other animal, under the provisions of this article, unless he be a citizen and householder, and enters into bonds, with sufficient sureties, to the state of Kansas, for the use of the owner, in double the value of the property proposed to be taken up, to be ascertained by the justice before whom the person wishes to post such stray, which bond shall be filed and preserved by such justice.

Sec. 7. If any animal, liable to be taken up, shall come upon the premises of any person, and the owner of such premises fails to keep up such stray for more than ten days after being notified of the fact, any other citizen of the same county may proceed to take up such stray, and proceed with it as if taken up on his own premises.

Sec. 8, If any person take up any stray, he shall im-

Such as the process with it as it taken up on an above the lifest person take up any stray, he shall immediately advertise the same by positive up three printed or written notices, in as manifolding up three printed or written notices, in as manifolding up the township, which notices shall contain a half description of the stray.

SEC, 9. If such stray shall not be claimed and proved the township, which notices shall contain a luid description of the stray.

SEC, 9. If such stray shall not be claimed and proved the peace of the county and file his addit a justice of the peace of the county and file his addit a justice of the peace of the county and file his addit a justice of the peace of the county and file his premises, and that he peace of the county and file his premises, and that he peace of the county and file his premises, and that he peace of the county and file his premises, and that he peace of the county and file his premises, and that he had he peace of some other person, and that the marks or brands have not been altered since, to his knowledge.

SEC, 10. The justice shall issue a summons to three dislinterested householders to appear and appraise such taker up a saturation shall forthwith he served by the staker up as as unmost shall forthwith he served by the staker up as as unmost shall forthwith he served by the staker up as as unmost shall forthwith he served by the staker up as as unmost shall desire of marks the staker up as as the staker up as a staken up, the appraisement, which shall be appraised with the sum of fity cents for each animal containt in said notice, shall be in the same in marks the shall be in the same in the stake up, the appraised, which ame and the county clerk, or justice of the peace, to perform the distribution of sai

or shall drive the same on his premises for the purpose of taking up the same or shall keep the same out of the county more than five days at one time. before he acquires a lifle to it, he shall forfeit to the county not exceeding fifty dollars.

SEC. 22. The county commissioners of the several counties of the state, at some regular session of their respective boards, in each year, shall examine the certificates or other records of strays filed in the offices of the county clerks; and if, upon such examination, they shall find, by lapse of time, that such strays shall have become the property of the taker-up, the board shall issue their warrant, under the seal of the county, directed to the sheriff, commanding him to collect the amount due the county, according to the provisions of this article, from the goods and chattels, effects or credits, of every kind, of the taker-up, without exemption; and for the want thereof, to levy upon and sell the real estate of any description that may be liable to execution, belonging in any way to him, in the manner provided by law for any description that may be liable to execution; and such stray shall in all cases be subject to the lien held by the county, as provided in this article, and the county commissioners may order the sheriff to exica and soil the same.

SEC. 23. Justices of the peace, in their respective counties, shall have jurisdiction and take cognizance of all actions for the violation of this article, and enforce all the penalities and fines against persons who may be grilly of such violations; and it shall be the duty of any county officer who knows of a violation of this article to report the same to the nearest justice of the peace of the county.

SEC. 24. Upon the affidavit of any citizen of the county wherein such strays may be held or so taken up being filed with any justice of the peace of the county.

SEC. 24. Upon the affidavit of any citizen of the county, setting forth that any person, naming him, has disposed of any stray, or in any manner violated

SEC. 30. The justice of the peace shall receive the sum of twenty-five cents for recording each certificate of appraisement, whether such certificate contains a greater or less number of animals, and twenty-five cents for each certified copy of the same; and for other services, such fees as are allowed by law for similar services, except that in no case shall be receive mile-age.

Breeders' Directory.

COUK, Iola, Allen Co., Kan. Breeder, Importer and Shipper of pure Poland China Pigs and Short Horn Cattle.

Send for Price List.

J. FIERY Emporia, Kansas, Breeder of Thoronghian certificate.

services, except that in no case shall he receive mile-age.
SEC. 31. If any stray, lawfully take up, gets away or dies, without the fault of the taker-up, he shall not be liable for the same.
SEC. 32. If any county cleak or justice of the peace fails to perform the duties enjoined upon him by this article, he shall forfeit and pay to the county not less than five nor more than fifty dollars, and pay to the party injured not less than five nor more than one hun-dred dollars.

## THE STRAY LIST.

BY AN ACT of the Legislature, approved Feb. 27, 1867, and section 1, when the appraised value of a stray or section 1, when the appraised value of a stray or strays exceeding a certified description and appraisement, to receiving a certified description and sufficient for such a stray or complete description or certified description and sufficient for such a stray or complete description or certified description and sufficient for such as the superior of the the sup

Stray List for the Week ending March 18, 1874.

Brown County—Henry Isely, Clerk.
STEER—Taken up by James Bartholomew, Irving tp,
Feb 20, one roan Steer, 2 years old, no marks or brands.
Appraised \$20. HEIFER—Also, one roan Heifer, 2 years old, crop off left car, slit or fork in right car, no other marks or brands. Appraised \$15.

Cherokee County—Ed. McPherson, Clerk, STEER-Taken up by Jessee Shoat, Feb 12, Neosho one Texas Steer, 10 years old, black and white spott erop off left ear, understope off right, no other marks brands. Appraised \$10.

Coffey County—A. Crocker, Clerk.
FILLY—Taken up by H H Errett, Liberty tp, one meum sized black Filly, 2 years old, no marks or brands,
ppraised \$15. Appraised \$45.

COLT—Taken up by G W Payton, Liberty tp, one medi-nn sized yearling bay Colt, some white hairs, no brands.

Appraised \$25.

Doniphan County—Chas. Roppelye Clerk. COW—Taken up by L B Smith, Wayne tp, one Texa ow, red head and neck, white and red speckled body d legs, crop off each car, supposed to be Tyears old. Ap alsed \$12.

Labette County—L. C. Howard, Clerk.
PONY—Taken up by A Berry, Mound Valley tp. Feb.
1, one bay mare Pony, about 14 hands high, 8 or 10 years
1d, hind feet white, blind in left eye, saddle marks, sore
ack. Appraised \$10.

Lacygne County—J. F. Weatherbie, Clerk. FILLY—Taken up by F A Wayne, Mound City tp, one light bay Filly, 144 hands high, star in for head, supposed to be 3 years old this spring. Appraised \$57.50.

Leavenworth County—G. Bicfendorf, Clerk.
COW—Taken up by Irwin Cheatwood, Fairmount tp.
Feb 25, one red cow, 5 or 6 years old, crop off right ear.
Appraised \$11.
COW—Taken up by Fred'k Beaver, Kickapoo tp. Feb
27, one red Cow, white on belly, clip off left car, straight
cut off right ear, 8 years old. Appraised \$13.

Lyon County—J. S. Cralg, Cierk.
STEER—Faken up by N Campbell, Pike tp., Jan 21, one
fork in left ear, erop oil right ear, short tail. Appraised
§13.

COW-Also, one 9 year old Cow, red and white spotted nostly white. Appraised \$16. mostly write. Appraised \$10.

STEER—Taken up by S A Sinith, Americus tp. Feb 25, one red and white Steer, I year old past, medium size. Appraised \$16.50.

Miami County—C. H. Giller, Clerk, FILLY—Taken up by Maria Gibbons, Osage to, Feb 23 one bay Filly, 2 years old, 14½ hands high, some white on right hind foot and right fore foot, little white in fore-head. Appraised 850.

Morris County—H. W. Glidmeister, Clerk.
MARE—Taken up by J. F. Sturgell, Neosha tp, March 3, one 3 year old clay bank Mare, white spot in forchead. black mane, tall and legs. Appraised \$50.
MARE—Also, one 2 year old bay Mare, left hind toot white, blazed face. Appraised \$90.

Nemaha County — Joshua Mitchell, Cierk, STEER—Taken up by Pat'k Kearns, Richmond tp, Feb 7, one Steer, Lyear old past, pale red, little white below hie horns, some white on back and belly. Appraised \$15. Ottawa County—F. M. Sexton, Clerk.
HEIFER—Taken up by Pat'k Smith, Logan (p. Feb 8, one Helfer, about 4 years old, white on flank and belly, star in forchead. Appraised \$15.

Wahannsee County—G. W. Watson, Clerk.
STEER—Taken up by C D Bean, Wahannsee tp. Mar 5
one Texas Steer, 3 years cld last spring, light red, medi-um sized horns, underbit and swallow fork in right ear, slope on under side of left ear, branded D O C on the left side. Appraised \$15.

Stray List for the Week ending March 11.

Chase County—S. A. Breese, Clerk.
COW—Taken up by W H Cox, Bazaar tp, Feb 26, one
Cow, red and white spotted, branded on left side very
lim, crop and two slits in the left ear, 6 years old. Ap-

Crawford County—J. H. Waterman, Clerk.
MARE—Taken up by T H Gabbert, Haker tp. one Mare,
i hands high, about 16 years old, collar marks on shouller. Appraised \$15.

MARE—Also, one Mare, 1414 hands high," chestnut sor-el, blind in right eye. Appraised \$20. MARE—Also, one Mare, 18 hands high, bay, 9 years old collar marks on top of neck, swelling on top of head. Ap-draised \$20

Davis County-C. H. Trott, Clerk. Davis County—C. H. Trott, Clerk.
HEIFER—Taken up by Joseph Bland, Jackson tp, one carling Helfer, legs white and white stripe on shoulded the lip, white spot on forehead, right car split. Apraised \$12.

Woodson County—J. N. Halloway, Clerk.
STEER—Taken up by W Johnson, Belmont tp. Jan 23, one roan Ster, underslip off both ears, branded 74 on the right side, 2 years old. Appraised \$18.
STEER—Taken up by C Hershy, Everett tp. Jan 29, one red and white Steer, crop off right ear and slit in left ear, about 1 year old. Appraised \$12.

Stray List for the Week ending March 4.

Brown County—Henry Isely, Clerk.

BULL—Taken up by J J Klepper, Robinson tp, Dec 24, 1878, one roan Bull, white spot in forehead, about 2 years old last spring, no other marks or brands perceivable, Appraised \$16.

Chase County—S. A. Breese, Clerk.
STEER—Taken up by W P Martin, Toledo tp. Feb 23
one ted Steer, 3 years old, some white in face, swallow
fork in left ear, indistinct brand on the left zide. Ap

STEER—Also, one white Steer, 2 years old, has branded on left hip, cannot tell what the brand is. praised \$22.50.

Cherokee County—Ed. McPherson, Clerk.

HORSE—Taken up by A. T. Gandy, Lowell tp. Feb 17, one sorrel Horse, ball faced, three white feet up to hock, white spot on right side, shod all around, left shoulder branded D.B., Spanish brand on the left thigh. Appraised

MARE—Also, one sorrel Mare, blaze in face. snip ou the nose, saddle marks on back, some white in mane, in hands high. Appraised \$-..

Linn County—F. J. Weatherbie, Clerk.
HEIFER—Taken up by JF Hackler, Lincoln tp, one 2
year old red Heifer, white back and belly, little nied
left horn, small crop off right ear, no other marks ,brands
Appraised \$12.

MAKE—Taken up by John McGee, Centreville tp. one lark bay Mare Mule, light colored about the nose and on the belly, scar on left side, supposed to be 1 year old. Ap-traised \$15. Leavenworth County-O. Diefendorf, Clerk COW-Taken up by Joseph Berringer, Easton tp. Feb 12 one red Cow, with white face, branded figure 5 on left hip, no other marks or brands, 6 years old. Appraised \$12.50.

Lyon County—J. S. Craig, Clerk.
MARE—Taken up by J.C Burris, Centre tp. Feb 8, one
lights bay Marc, black mane and tail, black legs, left lind
oot white, tail cropped off, 2 years old, 14 hands and 3
nches high. Appraised \$35.

Oltawa County—F. M. Sexton, Clerk.
AEIFER-Taken up by Robert Burns, Logan tp. Feb 11,
ne Texas Helfer, about 3 years old, red color, slit in leat
ear, branded WS on left hip, Appraised \$12.

Wabaunsee County—G. W. Watson, Clerk.
PONY—Taken up by W T Aderhold, Alma tp, Feb 20, one bay horse Pony, about 4 years old, right hind foot white, small white star in forchead, black mane and tail.
Appraised \$25.
PONY—Also, one brown mare Pony, 3 years old next spring, star in forchead, no marks or brands. Appraised \$25.

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POLICY BOARD OF REGENTS.

Extract from Minutes of the Board of Regents, Septem-For the purpose of defining the policy of the Board of

about the mouth, left ear cropped and split. Appraised \$8.90.

Shawnee County—P. I. Bonebrake, Clerk.

HEIFER—Taken up by John Welch, Monmouth tp. Feb 28, one white yearling Heifer, no marks or brands, to left tear, no other marks or brands hole in left ear, no other marks or brands practically the left ear, no other marks or brands practically the left ear, no other marks or brands practically the left ear, no other marks or brands practically the left ear, no other marks or brands practically the left ear, no other marks or brands preceivable.

Woodson County—J. N. Halloway, Clerk.

STEEL—Taken up by W Johnson, Belmont tp., Jan 23, one roan Steer, underslip off both ears, branded 54 on the left ear, no other marks or brands perceivable.

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STEEL—Taken up by W Johnson, Belmont tp., Jan 23, one roan Steer, underslip off both ears, branded 54 on the left ear, no other marks or brands early and the severel branchclass of learning which relate to agriculture and the mechanic arts, according to the directness and value of their class of learning which relate to agriculture and the mechanic arts, according to the directness and value of their class of learning which relate to agriculture and the mechanic early are relation.

STEEL—Taken up by W Johnson, Belmont tp., Jan 23, one roan Steer, underslip off both ears, branded 54 on the left early in preparing a new desired contention to those who desire of marks or brands of learning and practical education to those who desire of underslip of learn-that more of called the marks or brands of learning and p

2. Upon this basis, the Faculty are requested to submit to the Regents three courses of study, each requiring four years for its completion; the first to be especially design ed for those who wish to become farmers; the second for those who desire to become mechanics, or industrial artisans; and the third chiefly for young ladies, that they may be prepared to earn an honorable self-support, and to adorn the highest stations of life.

be prepared to earn an honorable self-support, and to adorn the highest stations of life.

3. Degrees shall only be given to graduates, yet the Faculty are requested to indicate what studies would, in their opinion, be best for pupils who can spend but one, two or three years in either of the above departments.

4. Thorough instructions hall be given in the English language, and neither Latin, German nor French will be required as a part of either the full or partial course, but shall be optional with the parent or pupil.

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