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# The Kansas Farmer

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

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Officers of Kansas State Stock Growers' Association,
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The President and Secretary co-affeco.

### Agriculture.

For the Kansas Farmer

CLIMATIC CHANGES ON THE PLAINS THE PROGRESS OF SETTLEMENT.

BY REV. L. STERNBERG, D. D.

That climatic changes are taking place on the plains and that between these and the progress of settlement there exists an intimate connection, is a fact well established by the observation of inteligent plainsmen.

When the first settlers sought homes on the astern border of the buffalo grass region they found that from early in the fall until late in the spring there was little if any snow or rain. The grass remaining dry was equal to the best hay; while cattle would do almost as well on the range in winter as in summer,

Over the surface was spread a downy cover of buffalo grass free from weed or shrub. Grass for hay had to be sought in ravines where the soil was moist enough for the growth of the taller varieties.

Already in these localities there is a marked change. There is more moisture in the soil Old springs flow more copiously, while many new ones appear. Irrigation is less needed. Crops become more abundant and sure.

Buffalo grass on account of the depth to which its threadlike roots penetrate the soil can flourish when other grasses and weeds with thicker and shorter roots die out for want of moisture, while where the surface is suffi ciently moist these will speedily crowd out the buffalo grass. This latter process is now going on among the settlements along the east ern border of the buffalo grass region. There the husbandman finds the conditions which surround him approximating those of the more eastern farmer and must adapt himself to the changed circumstances or keep in advance of the tide of settlement.

It becomes increasingly difficult to keep large herds of cattle not only because they are liable to trespass upon the claims of contiguous settlers, but also because they can no longer be turned out on the range in winter with little care and no fodder. In short, set tlement on the plains tends to convert a purely grazing into an agricultural region.

If the fact be such as we have stated it is highly suggestive. It is in vain for the grazier to contend against fate. He must either move on with his herd, or go to farming and keep no more cattle than he can provide with fodder for the winter.

Those who have pushed out in advance of ttention to grazing until the change in climatic conditions which is sure to come, enables them successfully to cultivate the soil.

The Great American Desert, with slight exceptions, will, at no distant day become a vast agricultural region, sufficiently irrigated by the clouds of heaven to produce all the bread and beef required by the teeming millions of temperature to which treeless plains are ex-Europe as well as our own country. The ne. posed. cessity of an irrigating canal from the Rocky Mountains to the Mississippi will be superced ed by the time there is a population to require

Were the engineering difficulty in the way of the construction of such a canal overcome, on that they will not bear transplanting. and were the expenses provided for, and were all the rivers that flow eastward from the Rocky Mountains to pour their waters into it, and were it attempted to irrigate a belt of they can be made of word with bottoms tackland grant it would be drained dry hundreds of miles from its eastern terminus. We mention but one more consequence of the impartant fact to which we have called attention. The centre of population of the United States will, at no distant day, fall west of the Mississippi river. The east will not have less people but the west will have more.

Should any question whether the progress of settlement on the plains tends to modify cli- can be gained .- Prairie Furmer. matic conditions a glance at some of the caus es may remove every lurking doubt.

1. Settlement tends to arrest the progress of prairie fires. Where there is no settlement almost the entire surface of the country is nailed, say 14 feet by 5 to 6 feet, a little heated burned over every year. This generally occurs in the fall and leaves the land lying for on it, and then banked with manure, some soil, lights and some covering, and a farmer would months as bare and dry as a bone. The diswhat is consumed at the moment. They are crops.

projected into the following summer, producing a dryer atmosphere and a feebler growth of vegetation than would otherwise obtain. When rain falls upon such a surface it is not the protracted drizzle with which people at the east are familiar. It pours down in torrents and suns off as from a duck's back. Let the earth be covered with vegetation and a proportion of the rain that falls penetrates the surface, evaporation is more uniform, the superincumbent atmosphere is more moist and showers are more frequent and not so much like a sudden deluge.

Another of these causes consists in breaking up the surface by the plow. Though vegetation pumps a large amount of water from the soil yet a cultivated field is never so dry as one that is bare and compact.

We shall perhaps more readily admit the squeezed with an unsqueezed sponge, or the trodden meadow adjoining.

In a loose soil there are millions of mouths open to drink in the rain as it falls. In a hard one they are shut.

While in central and western Kansas we the abundance of dews.

Another of these causes is found in the fact free wind of the prairie. that with increasing settlement there is a wooded country. The timber is apt to be withering blast upon the land.

than is destroyed.

it not for the browsing of domestic cattle and will take their place. Use it for a pasture will die in course of time. the torest growth would be ten fold more rap- racter of the herbage. Plant it in trees and id than the consumption of wood by the settlers, even should none of them enter upon the cultivation of fruit and forest trees.

The umbrageous streets of many of our groves under cultivation, all go to show that in the shade of the woods. the settled portions of the plains are beginmosphere and more frequent showers. Nor is this all, in proportion as trees increase they obstruct the sweep of the winds and prevent those sudden changes and those extremes of

[To be continued.]

Early Meions.

Gardeners generally find it difficult to get have tried a way by which they can be started early and transplanted when wanted. Save all the pasteboard collar boxes, and fill them land no wider than that of the Kansas Pacific ed on. After warming the soil, plant the seed, about five to the box. They can now be sunk in the hot-bed, or if you do not have one, they can be kept in the house by the stove. When the young plants are large enough they can be transplanted. After making the ground mellow, make a hole the size of the box; then slip out the bottom, and the earth, with the plants, will slip through without being dis-turbed. This plan will do for other plants besides melons, as cucumbers, &c., the tender egg plant, and some varieties of flowers. By egg plant, and some varieties of flowers. By starting plants early in this way, several weeks

> sash and fence boards in an hour. There is really no necessity of making one such as a market gardener would want; four boards lights and some covering, and a farmer would make a bed which would start the garden two

### Morticulture.

For the Kansas Farmer,1

"TREELESS PLAINS."-II. Reply to C. W. Johnson. BY S. T. KELSEY.

Mr. Johnson in his "Treeless Plains No. 1," reach us.

But we showed by statistics from official re- the average period of the greatest drouth." ports, that we have more rainfall here during than they have in the country which accordlocated, and before he gets through he admits tree growth.

that the native growth of plants, is such as is success is only a myth. found on all treeless plains, and says " if the language of our herbage is rightly interpreted interrupting the labors of the husbandman as shrubs to grow which in their nature are disis often the case farther east, yet there is no associated from these tribes of the arid regions, part of the state that would be too dry for til- must ultimately end in failure." We say, lage could the rainfall be utilized. This is then the language of the herbage is not right The more water from the clouds permeates the facts he address in his learned botanical, mesoil the the more is sent back by evaporation terological and horticultural disquisition,

lent with their epidermis thin and their grow-Even on the plains where there is so little plants," and immediately the native plants of timber the woodman's axe is often swung the forest disappear, and an entirely different field is cultivated. Turn it into meadow and the destruction caused by rabbits and beavers and there is still another change in the chasoon as the ground becomes shaded the ferns,

The forest plants will not endure the sun

cattle off the pasture and a taller, ranker vege- healthy as ever. tation springs up.

As the buffalo are driven back on the western plains, taller grasses and more succulent he must know that there was no planting to weeds appear, and smother and kill out the any extent done on upland prairie at that short buffalo grass and other "plants of desert time. lands." If the fires are kept out the timber growth spreads out on the prairie in vigorous the old pasture field of the east, the ground works up mellow and lively and retains the moisture.

Even Mr. Johnson, after trying to prove the extreme dryness and hopeless desert condition of the country practically gives up the question, and beats himself. He says, "It may be A small hot bed can be made with a few old inferred from the tenor of these papers that the writer is of the opinion that this country is not a fit habitation for civilized men." We drew that inference and were anxious to knew whether his No. 3 would likely be written at head-quarters of Apache braves or in some cool and shady bower where he could "turn to the astrous effects of these fires reach far beyond months earlier, and in many cases give two Atlantic for relief" and bask in the delightful breezes that "flow off to the north east, scat

tering plenty in their course." But right here he comes to our relief, and says:

"Not so, our rich soil and long interval between frosts make it excellent for grasses, and for many of those things which can be matured before the dry season sets in; small grains we know from experience, generally succeed well. Corn gives a full yield, seemingly three years out of five, at least this is the case since 1868, counting 1869 as a full yield. Experience teaches with this crop that its critical tried to prove that our country is so situated period is the fourteen days that follow the tasn relation to large bodies of water, mountain seling season \* \* Experience teaches ranges, etc., that very little moisture could us too, that as most of our corn is tilled this critical period corresponds very closely with

Then it can not be so bad a country after the growing months of spring and summer, all. It is excellent for grasses; small grains generally succeed well and corn which is at its correctness of this position if we compare a ing to his theorizing should be most favorably critical period during the season of greatest drouth makes a full crop three years out of beaten highway in a dry time with the un-that we have an annual rainfall sufficient for five. Can any state in the Union show a better record, and yet he claims that trees won't In his "Treeless Plains," No. 2, he claims grow successfully, and what seems to be a

He says, "It is not denied that there is what seem to be promises of success founded upon are not apt to be troubled with excessive rain it would seem plain that to compel trees and actual experiment. Trees are planted upon upland, and while small enough to admit of thorough cultivation for a few years promise well, through few of these incipient forests passed the ordeal of '60, and gradually die out done in proportion as the plow does its work. ly interpreted by Mr. Johnson, and all of the while yet saplings." Now this same kind of nonsense has been talked ever since the first white man set foot on prairie soil. The same into the air, keeping it most and adding to shows only that some plants thrive in the cool thing was talked in Illinois, and abler articles the frequency and copiousness of showers and shade and still air of the forest, while others written to prove that the Creator never ingrow best exposed to the bright sunshine and tended trees to grow there. If a dead tree could be found, men were ready to shout "I Clear up the "moist wood lands," where as told you so !" "You might have known that multiplication of forest and fruit trees. The Mr. Johnson says "we find the leaves of the trees would not grow here!" But earnest opposite result follows the settlement of 'a plants characterized by being soft and succu-practical men like Bryant, Phonix, Douglas and others worked away testing, growing, and ruthlessly destroyed until sterility falls like a ing shoots tender," where "are found an distributing, some failed but others grew into abundance of ferns, mosses and water leaf productive orchards, valuable groves, and beautiful, healthy specimens of ornamental trees, adding many millions to the wealth of ruthlessly. Still there is more timber grown class of plants spring up and thrive while the "Garden State." It may be only a seeming success, few of them have passed the ordeal Where prairie fires are arrested, trees spring most of the plants that grew in the cultivated of more than 20 or 30 years, some of them died up spontaneously in favorable localities. Were field will die out and another class of plants out while yet saplings, and doubtless the rest

Most of our tree planting has been done within the last eight or ten years, and consequently are of that class which Mr. Johnson mosses and other native forest plants reappear.

says promises well. The few that were planted before '60' were largely of locust, cottonwood and silver maple. The locust grew prairie towns, the clumps of trees about many and wind of the open field, and the natives of well and seemed perfectly hardy and healthy, the tide of settlement must turn their entire of our farm houses, the many orchards and the field and prairie soon smother and perish but the trees were killed here as elsewhere by the borers-perhaps irrigation might have We may find on a single farm of a few hun- saved them. The cottonwood and maple are ning to reap the benefit of a more humid at dred acres—where but a few years since there trees that require considerable moisture. They was no material difference in the herbage of were mostly planted out in single rows, the the different parts-all the gradations from prairie sod being scarcely broken. The cutthe ferns, mosses, etc., of the forest, the lux- tings or young plants were stuck into the uriant herbage of the cultivated field, the com- hard ground and usually left to take care of mon grass and weeds of the meadow, to the themselves, and make their way against stock, short fine grass and hard weeds of the old grass and weeds. The "ordeal of '60," found pasture field, mainly of the composite and oth. them in this condition, and such as were stander plants common on the treeless plains. Durling on hard-pan or stiff clay sub-soil close to the later part of the summer the grass and the surface were severely injured or killed; weeds become dry and the old neglected pas but many of them survived all their difficulties ture field of the east presents very nearly the and we may see around the older settlements, appearence as our buffalo range. Take the here and there "apparently" as thrifty and

When Mr. Johnson calls for reports from those who planted trees in 1855, 1856 and 1857

What would he think of the intelligence or honesty of the court that would attempt to healthy groves. Break up the soil and like convict a man for a murder committed years before he was born.

A word about that winter killing, the complexity of which he so ably and beautiful illustrates that I copy it entire and advise every tree grower to read it carefully and then cut it out and save it for future reference.

"Much of this dying of trees became first apparent in the spring and we ascribe it to hard winters, forgetting that such trees frequently grow where the temperature falls ten degrees lower than our lowest.

The killing of trees by cold in such cases is like the killing of grape vines after they have suffered from defoliation the previous summer.

The cambium, that soft layer which lies between the bark and the wood of all woody

growths, laid up to feed the buds of the next season, is not fully elaborated, and there being people on an subject should first know some in the spring nothing to support the buds thing about it himself. while being developed, they perish and with Office theorizing may serve to while away them the vine. I do not assert that cold will the leisure hours of a briefless lawyer, but the not kill a tree, but rather than the so called earnest workers of the west who are making winter-killing is more complex in its origin farms and homes on these prairies, want practhan is commonly believed, and that on these practical facts rather than fine spun theories that office address of the person or persons making plains of drying winds and sudden changes it prove nothing but the ability of the writer to frequently happens that the ability to with draw conclusions from his own reasoning.

our trees a better growth than they get in any of the timbered countries of the eastern and make a vigorous start for a new growth fruits, which, if correct in their premises, are

who have handled them alongside, know that such attempt, except in certain peculiarly formed situations, giving as reasons the open material and the wood more firm and seasoned, with the same of certain natural laws governing the winds and majeture which makes it impossite the name of an employe after the same of the course rations of certain natural laws governing the winds and majeture which makes it impossite the name of an employe after the horse rations of the course rations of certain natural laws governing the winds and majeture which makes it impossite the name of an employe after the horse rational results of the course rations of the course r than scions from eastern trees.

Kansas. Some kinds kill so badly that they Kansas. Some kinds kill so badly that they should not be depended upon. But they will damaging statements could be made regarding kill out elsewhere, and as a rule, our trees in the nursery, orchard and forest stand the win-ters here as well as in the eastern states, and to all appearence, bid fair to be as long lived tify our homes; no fruits to gratify our taste here as there.

But another discovery quite as wonderful as wheat or corn in very favorable seasons, and that trees winter-kill from causes that do not fatten cattle and hogs. exist, is that the extreme dryness of the atmosphere causes the trees growing along our sake of making money. I must have pleasant streams to "lean to and droop over the water," surroundings, or it would be unendurable. I this is so remarkable, that he calls attention would be willing to wait for the growth of to it in both articles, No. 1 and 2.

botanical, horticultural and meterological research to discover this, for it is known that trees growing along the banks of streams everystelly before I read those articles I had invest. growing along the banks of streams every ately, before I read those articles I had investwhere, lean to or hang over the water the ed in Kansas land, such also in which, accordsame as here. And the wonderful part is, ing to his theory, trees can never be success that Mr. Johnson should either not not have fully grown—a high prairie. On this land, noticed it himself, or supposed that nobody else rich and desirable, but destitute of timber, I

in the Union, except perhaps, California, ever and intended to do all in my power to remove tained for ten or twenty dollars, and mares of produced so many bushels of good fruit or it, but it seems I have been laboring under a low blocd and negative characters, can never

highest upland prairie soil, and that forest claimed for them by Mr. Kelsey and his imprisoned cat.—London Echo. trees grow well in the same situation.

the large leaf trees, such as cottonwood, catal- are not satisfactory to my mind, and therefore pa, box elder, black walnut, silver maple, I do not believe it. ailantus, silver poplar, etc., grow well and will doubtless be among the best trers that we can

Finally, the man who would instruct other

stand a low temperature, depends upon how If any man wants to dam the ravines and

TREE GROWING IN KANSAS. BY NEW-YORKER

most discouraging to those who have contem-The buds are full, plump and ripe. "The plated making Kansas their future homes, and winds and moisture, which makes it impossi-Trees will sometimes winter-kill even in Kansas. His arguments seem conclusive, if a home on a bleak prairie, with perhaps the satisfaction of being able to raise a crop of

Now, I do n't want to farm for the mere would be willing to wait for the growth of trees, for that would be a pleasant anticipatives, for that would be a pleasant anticipative wish the five-hundred-dollar colt, but they Now it must have taken a vast amount of tion, and the unprotected house could be borne noticed it himself, or supposed that nobody else had.

He asks, "What shall be said of fruit grow-ing in Kansas?" We reply. No other state in the Union, except, perhaps. California every and intended to do all in my represent perhaps. California every and intended to do all in my represent perhaps.

# Morse Department.

OWNERS OF TROTTING HORSES.

ation for the Promotion of the Interest of the or names of the owner or owners, shall be given; but as some of the members of the Board of Appeals have decided that this clause stand a low temperature, depends upon how near mature they were when their foliage was streams on his farm and thus save the water withered off in the summer's heat; sappy for future use we shall not object, but we do insist that no individual or corporation, has able to withstand the drying and freezing of our winters than when mature."

The facts are, as every tree grower in the state knows, that while our long seasons, ferstate knows, that while our long seasons, ferstate knows, that while our long seasons, ferstate knows, that while our long seasons, gives

If any man wants to dam the ravines and does not authorize the Secretary of a park to make public the name or names of the owners, possibly it would not be out of place for the National Association convened in Congress to render the rule a little more specific. Under the present interpretation of the rule, the general public is kept in ignorance of the ownership of the horses which compete in the many races which take place each season. The horses are trotted in the names eason. The horses are trotted in the names of the men who train and drive them, and if a fraud is committed the drivers have to shoulstates, our long mild autumns ripen the growth here better than there, and the majority of our trees retire to rest in the most persoft the Kansas Farmer, articles upon the fect condition to withstand the cold of winter and make a vigorous start for a new growth won the public does not know who to congrac-ulate and applaud, for the reason that the owner, so far as its knowledge goes, is a myth, or at best a mystery. Those who contend for honor on a fair field are not apt to hide their light under a husbal. The report he brown and is ready in the spring "to support the buds while being developed." The withering off of the foliage, sappy twigs and imperfect buds that Mr. Johnson talks of, are simply emanations of the imaginations. All persons who have handled them alongside know that and in the support that the country is subject. The witer of which the country is speaks very positively and decidedly of the utter folly of which he is as hard. winds and moisture, which makes it impossi-ble to grow trees with any great success in Kansas. His arguments seem conclusive, if they are correct, but it seems to me no more damaging statements could be made vergating. -Turf Field and Farm

### HOW TO BREED A GOOD COLT.

HARK COMSTOCK condenses from Mr. MUR. HARK COMSTOCK condenses from Mr. MUR-RAY's book, the following suggestive sentences: Whoever wishes to breed a fine colt must be willing to put himself to a certain amount of trouble and expense. There is an old saying, that "the gods never drop nuts already crack-ed into men's mouths;" \* \* \* now the country is full of men who are ambitious to raise a five-hundred-dollar colt, but who are

difficult for an intelligent breeder to raise a five-hundred-dollar colt; it is not extravagant for such a person to expect to raise a colt, which, at five years of age, shall command a thousand dollars for every year of his age;

healthy trees for ornament, shade, tuel, timber, etc.

I deem it proper to add some conclusions which seem to me to be deducible from what has been advanced.

It means there may be people ficient for tree growth."

All thave an annual rainfalls is not satisfactory to my mind.

Trees may have the tremendous influence of client for tree growth.

All thave to the unskilled observer, owing to the plant of paring away the frog and bars, and there may be people ficient for tree growth. When these come to be hybridized and mixed the draught horses in London; and a practised eye can often detect the evil in the set appointed equipages, where it is not at a farming and popular race of American garden plants. In the adornment of gardens and grounds much use is now if well make a charming and popular race of American garden plants. In the adornment of gardens and grounds much use is now if gardens and grounds much use is now if a proposition of the plants, I do the to the unskilled observer, owing to the est appointed equipages, where it is not sat an improvement in this respect, which vary cabman can secure for his own grown.

But the plan of paring away the frog and bars, and there does in modifying climate. All I have done is to show why the reasoning of other parties, who affirm trees in a measure make climate, who affirm trees may have the treemendous influence of the detect the evil in the deduction of the plants, in the tight nating on the tight nating on the tight nating on the whort in the trees

# The flower Garden.

ROSES AND THEIR CULTIVATION.

The rules now in torce of the National Asso We take the following extract from an essay by Chas. H. Miller, Mt. Airy Nurseries, Ger. mantown, Pa., published in the Gardeners

Monthly;

ONE of the conditions essential towards success in rose culture is the preparation of the soil. Good lowny soil requires very little preparation beyond the usual trenching and manuring. It must be understood, however, that if the soil is wet, draining will be necessary, if for it is useless and wasteful to put manure on a wet soil. In all such cases then, the first effort must be to drain the soil. Thorough draining the water; therefore it is best to drain deep.

The worst of all soils for roses are those of a light dry sandy or gravelly nature. In such soils roses often suffer from the dry weather in the hot summer months, and are liable to the tatacks of the red spider, one of the worst one.

good taste. There are few, if any, that ever form under such treatment, an object sufficiently well foliaged to be pleasing, or even an object of interest when not in bloom.

To produce the best effect with roses, continuous blooms should only be used; such as Hybrid parnetusls. These Boyshops and Chinach

tinuous blooms should only be used; such as Hybrid perpetuals, Teas, Bourbons and Chinas. Summer roses that bloom once in a season and no more are useless except for exhibition pur no more are useless except for exhibition pur poses. If you desire to have summer roses— and none are more beautiful when in bloom— let them have a place by themselves, Never let them mar the effect of the others, by plant-ing among them sparse blooming kinds, when by a judicious selection of monthly blooms a complete succession can be had of beautiful buds and blossoms, and the rose garden kept in

perpetual and ever increasing beauty.

TRANSPLANTING.—As roses flourish better for an occasional transplanting, and their bloom and foliage is always finer in cultivated than increase and their bloom in the contract of the bloom and foliage is always finer in cultivated than in grassy ground, a biennial lifting of the plant should form a part of their culture. The process will enable the cultivator to perform the operation of root pruning, often a very important matter with the strong growing kinds. And all who desire their roses to bloom satisfactorily in the autumn, should embrace the opportunity thus offered, to enrich the soil by deep trenching and by well rotted manure.

The sowing of seeds of annuals is one of the leading occupations of this time of the year. Much of the ill luck with them comes from sound of the ill luck with them comes from rotting in the ground. A rain comes after sowing, and if the seed has partly swelled, it easily rots by being a few hours under water. To avoid this, sow on the surface, and close the earth over with a trowel. It is even a benefit to make a little mound of a half inch or so, before sowing. Then it will make a different part of the second of the seco before sowing. Then it will make no difference if the rain continues for a week, the seeds will always be above the level, and never get saturated. Another little thing, often neg-lected by seed sowers, is to mark the place where the seeds are sown. A little stick set in will always be found useful, as all who have not done so will readily understand. In olden times this was always attended to, and a little could show so many bushels of good fruit or could show so many good orchards in so short a time from its first settlement. Our oldest orchards are found along the bluff of the Missouri and Kaw rivers; but there are hundreds souri and Kaw rivers; but there are hundreds offorchards all over the settled portions of the state, "remote from the friendly emanations of those streams." The best of them are on our highest and dryest lands.

We have had but one winter that has seriously injured our orchards since the state was

# Loultry Notes.

CHOICE OF BREEDS

We make the following extract from a paper read by Mr. J. K. FOWLER, before the Mid-land Counties Farmers' Club, Birmingham, England:
In choosing the breeds, soil and climate

In choosing the breeds, soil and climate must be taken into consideration, as also if they are to be carefully attended to, or allowed to forage for themselves in a rough way. The most hardy he had found to be the Brahmas, both light and dark, and all the varieties of the Cochins. Both Brahmas and Cochins laid and set well, and reared their chickens; and although they were considered coarse for the table, he did not think so. These breeds might be advantageously crossed by the Dorkings.

must be to drain the soil. Thorough draining airs the ground to whatever pepth it drains off the water; therefore it is best to drain deep.

The worst of all soils for roses are those of a light dry sandy or gravelly nature. In such soils roses often suffer from the dry weather in the hot summer months, and are liable to the attacks of the red spider, one of the worst enemies the rose has to contend againgst, and which is not easily kept under subjection in hot dry seasons.

PLANTING:—Under this head, I will take occasion to say, that the planting of roses as isolated specimens on a lawn, is in my opinion almost always a mistake, in fact an error in good taste. There are few, if any, that ever form under such treatment, an object sufficiently well foliaged to be pleasing, or even an object of interest when not in bloom.

To produce the best effect with roses, contution; but, when they could be reared easily, nothing made more money in the London market than the Surrey or Dorking fowl.

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The French varieties which had lately been introduced into this country were most valuable, and, he had no doubt, would shortly be found prevalent in the hamlets and roadside residence of our rural population, as they were hardy, good scavengers, and better egg-layers throughout the year than any others. The Houdans and Creve-cœurs were both admirable; they were non-setters, and so it would be useful to have a few Cochin hens as mothers to found prevalent in the hamlets and roadside rear their young. Spanish fowls were fine layers of splendid eggs, and were white and juicy birds for the table. He had during the year imported from America some of the White Leghorns—extremely pretty birds, wonderful

Leghorns—extremely pretty birds, wonderful layers, and very hardy.

The majority of keepers only care for good useful fowls, that will lay plenty of eggs, raise healthy chicks and prove acceptable when brought to the table; age, color and previous condition of servitude being secondary conditions. For such we would recommend fowls having a strong infesion of Asiette blood. having a strong infusion of Asiatic blood— Brahmas or Cochins, or their crosses, as being in many respects adapted to their purpose, as they make hardy vigorous birds of good size, are fair layers, quieter and more easily confined to the space allotted to them, and although not equal as table fowls to some of the smaller kinds, are by no means objectionable, the difference not being appreciable to most people.

ple.

In selecting fowls for breeding, those well matured should always be chosen, if not so far advanced in age as to impair their vigor. Adult fowls produce larger, stronger and healthier chicks than young ones, and nothing produces more rapid deterioration in a stock than the practice of retaining only young fowls for breeding purposes. A comparison of the number of eggs laid by a pullet and a two year old hen will disclose less difference than is generally supposed. The pullet will lay more eggs without intermission, but the time required for rest and recuperation will be longer, making very little difference in the year's yield.—

Natl. Live Stock Journal.

### Hints for Spring Work.

in the streams. The best of them are no unit being best and dryest lands.

We have has but one winter that has seen with service subjustment of 1872; and the content of the streams of th

# THE KANSAS FARMER.

# Batrons of Husbandry.

The various Deputies will greatly oblige us by send n.g lists of Granges, when organized, for publication in this colurn.

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. Spurgeron, of Jacksonville, Neosho county, Kansas.

It is also requested that each delegation from ever 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 Februs

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 hereafter address me (enclosing stamp, W. S. HANNA, lows:

Chaplain, State Grange,

Junction City, Kan.

For the Kansas Farmer.] CHATS WITH PATRONS AND REPLIES TO CORRESPONDENTS.

BY W. P. POPENOE.

H. E. E., Rossville .- 1. I should say the due of a member should commence when he is initiated, as he might not go to the fourth degree for six months, and yet be receiving all the benefits, financially.

W. C., Wabaunsec .- It is not necessary that the Master of a Council should be Master of a Subordinate Grange. Therefore, you can this will answer others, also.

J. B., Osage. - I see no reason why a sister should not be elected Chaplain, although it tor of the FARMRER, for an article for his first has not been practiced as yet. Ladies are fre quently elected to the office of Secretary, and requested to reply to Mr. Lowe. I did not ask make good ones too.

Call and see Capitol Grange, the next time you come to the city.

Write to Master Hudson about Deputies. I did assist in the examination of those who tirely with the Master. The committee only I opened. reported whether they were proficient in the work, or not.

J. M., Johnson co.-The usage and law in refer the controversy to their trustees or arbi this we would prefer charges against him, as shead the general argument. guilty of conduct unbecoming a member of the Order.

D. H., Osage co.- A Grange cannot suspend a member without charges first being preferred against him, and trial had, and vote taken. This is no guess work but plain law and justice to all.

R. J., Rice co .- In answer to your first question: Can you propose and initiate a person the same night under any circumstances I answer, No, sir: contrary to Constitution. In answer to your next question: What will make a cow give down her milk? Well, now, I don't know as that is just in my line, as a Granger, but I guess it is, at least I will give you the benefit of the doubt, as the lawyers say, and tell you what I know about it. I saw some month ago, that if you would lay a chain over the loins of a cow she would give down. I find it works admirably. If you rat- not "politics.," tle the chain a little, all the better. But I boy and bucket is most sure to come, too. I on his farm in Kansas." shouldn't object, if you charge a small fee for this recipe, provided you divide with me.

it. The editor of the FARMER would like you purposes, and these local troubles of his? Direct is but a few dollars less than the value of the to make your success known, as he delights in taxation for local purposes is openly levied, stock fenced out, and doubtless if the fences publishing anything really practical.

When shall you sow oats, and how much to the acre?

is over, and from two to two and a half bush- finally comes to us on the tax receipts. Surely els per acre. But let me ask you a question, the man would be a fool who should not disain't this mixing Grange matters with other cover the evils and burdens of direct taxation things, a little? However, I will see what the moment they appear. Some of the reme-Major Hudson says about it—if he takes his dies for these evils are also plain; viz, rigid mixed, I don't care,

W. I. N., Rice co .- Your Executive Committee certainly has the power to make contracts, etc., if you did not limit them. But I would advise you to change your By-Laws, so but more especially in the local papers; and that all contracts made by them, should first Mr. Lowe takes upon himself needless responbe submitted to the Council for approval or re-sibility, when he says I pay no attention to jection.

toxicating liquor can become a member of hence knows nothing of which he speaks. our Order. Please act accordingly.

Granges that were organized in 1873, should elect new officers or re-elect the old ones.

A man cannot join a Grange legally, unless he lives nearer to it than any other, without consent of a majority of the members where he rightfully belongs.

I do not think any proceedings are legal where you suspend a person without a fair support his family and pay taxes on his farm in repairing and rebuilding. Hence, a tax of Sovereigns of Industry, and yet in this short bank the ground high up, where given to wet trial.

Grange belonging to another jurisdiction, af closely, if he really is a true farmer, as he the open farm system and compel every one Like the order of the Patrons of Husbandry, you will surely fail. The tree needs and must ter being in full knowledge of the facts is claims, it would be better. contrary to the rules of the Order, and should be reported to the Master or Executive Comproperty. There is even much property ex-

The initiation can be claimed by the old men are entirely exempt from the direct opera-Grange, but let the persons stay where they tion of local taxation.

ter of same.

from other organizations.

ecutive Committee have no jurisdiction in the ing the same questions.

Clay co.-One-half of the jurisdiction beongs to you, if it is ten miles, until another Grange is organized.

#H. D., Brown co.-I do not think a person has any right to join our Order unless they are farming, and the only bank they should be president of should be a bank of dirt. But a man that is part miller and part farmer would not be objectionable, especially if he is a good fellow and the farm part predominates.

J. G., Shawnee co., March 14 .- O. H. Kelley reports 1096 Subordinate Granges in Kansas We have but 22 in this county. We have aimed to have a good strong membership in each Grange, rather than excell in the number of Granges. We think it much better to have one good Grange than two or three weak ones and would advise you to unite with other Granges rather than to organize another.

DISCUSSION ON TAXATION.—Concluded.

The FARMER of March 12th contains another paper on taxation by Mr. P. G. Lowe. He elect any delegate as Master of the Council, thinks the discussion should end. It is not material to me. I wrote my first paper in compliance with a written request of the ediweekly issue. My second, because verbally Mr. Lowe to interfere in the matter. I shall not ask him to desist. He must be guided entirely by his own discretion and quit when he feels that he has had enough. I only claim the rights of common courtesy; viz, to made application, but the appointment is en- be allowed to conclude the discussion which

Mr. Lowe complains that I did not follow and reply to his papers in detail. He is right. A large share of these papers were very permany Granges in matters of grievances, is to sonal, to such stuff I seldom reply. The remainder was absurd figuring, which needed trators, and let their decision be final. It no reply before intelligent men like the readshould be the rule among brethren not to go ers of the FARMER. Hence, finding my posito law, but decide all matters of grievance tions all safe as far asoccupied, I took occasion among themselves. If a brother refuses to do as leader in the discussion to push still further

I now propose to answer Mr. Lowe's last paper-I hope to hang about it so closely, on front, rear and flanks, that he will have no \$3.00 to \$16.00 per acre for 160 acres. occasion to think, I have "gone to Europe." He opens, as usual, with a personal insinuation of office hunting. I suppose that "out of the abundance of the heart the mouth speaketh." Those who never do any public act except for personal aggrandizement, can ship, then we have 278 miles of fence; and I appreciate no other motive in others.

He claims that I pay no attention to local evils. And, yet, my recommendation that direct taxes be made payable semi-annually, has been adopted by the legislature. If Mr. Lowe will read my first paper he will find it devoted to direct taxation, which is local in this township, at the rate of 75 cents per rod. country.

Mr. Lowe says that he has neither "the time or ability to discuss national politics." He should have used the term "taxation"

Please tell me how it works when you try qual system of national taxation for revenue this comparison we see that the cost of fences Ans. Sow just as soon as danger of freezing on the assessor's and collector's books and the value of fencing would considerably more economy in local expenditures, and close at tention to the administration of local affairs. Now, as I understand the matter, these are all proper subjects of discussion in the FARMER, these matters. I shall yet show that he does The New Constitution says no dealer in in- not read the local papers where I live, and

In an able journal, like the Kansas Farner subject of national taxation is certainly appropriate. And, I now propose to show that it is at once the most general, and also the most ed by man. It has a positive, close, and di-If a Deputy accepts persons in organizing a this subject of national taxation and study it

Direct taxation operates openly and only on cow, hog or sheep.

It is not the case under our system of nation A. D. W., Russell co.—A Deputy cannot or al taxation. It seeks its victims in every conganize a Grange until he is officially notified dition of life. To avoid its burdens one must by the Secretary of the State Grange, or Mas- neither wear a garment or eat a loaf of bread. It pursues the poorest laborer to his hovel, Emporia-The new law requires that and like the moth, the mould, or grangrene Granges shall be five miles, instead of four, eats away his substance in a thousand ways. It is heard in the hoarse clatter of his boots on All persons wishing information in regard the board floor, raising the price of both floor to their appointment as Deputies, must write and boots. It fumes up in his cup of tea or it will be proportionly greater to the state at to the Master of the State Grange, as the Ex- coffee, until he is unable to afford either. It large. If there are 228 farms in one township steals the shoes and garments from his childmatter. This answers five or six letters ask-ren until they are thrown as paupers on the habitants or 288 farms, and if 600,000 inhabiways, the burdens of direct local taxation.

For the Kansas Farmer.

FENCES OR NO FENCES

BY WM. HOLSINGER.

ferent kinds of fences built in Kansas:

from 75 cents to \$1.00 per rod.

hedge, from 75 cents to \$1.00 per rod; stone wall, from \$2.00 to \$4.00 per rod.

I will make an estimate of the cost of difkinds of fences made :

Thirty rods square contain about 51/2 acres, and is 120 rods -38 of a mile-around.

Forty rods square contain ten acres, 160 ds, or one-half mile around.

Sixty rods square contain 221/2 acres, 240 rods, or three-fourths of a mile around, Eighty rods square contain 40 acres, 320

ods, or one mile around. An eighty acre lot is 160 rods, making 480

ods, or one and one-half miles around. One hundred and sixty acres is 640 rods; or wo miles around.

Hence, at the above estimate, I make the following table, so that the cost of each sized field will be, whichever kind of fence it may be enclosed with :

NO.	LENGTH	LENGTH	COS	T OF FEN	CE
ACRE	S. SIDES.	PENCA.	75c BR'D.		\$1.25%RI
554	30x 30r	120r	\$ 90	\$120	\$150
10	40x 40r	160r	120	160	200
2234	60x 60r	240r	180	240	300
40	80x 80r	320r	240	820	400
80	80x160r	480r	860	480	600
160	160x160r	640r	480	640	- 800
			\$1.50@R'D.	\$279 R'D	\$4%R'D
5%	30x 30r	120r	\$180	\$240	\$480
10	40x 40r	160r	240	320	640
2216	60x 60r	240r	360	480	960
40	80x 80r	320r	480	640	1280
80	80x160r	480r	720	960	1920
160	160x160r	640r	960	1280	2560
100					

The cost per acre, for five acres is from about \$16.00 to \$87.00 per acre, while it is only from

A township is six miles square, and has 36 sections, 144 quarter sections, or 576 40 acre

Now, assuming that there are as much as every alternate 40 acre lot fenced in a townhave shown that the cost of a mile of fence is from \$248.00 to \$480.00 (this does not include the cost of stone fence, but only common lumber fences as seen in the above table varying from 75 cents to \$1.50 per rod,) hence, there will be \$69,120.00 invested in fences in one

I will now make a comparison between the cost (or value) of the fences and the value of the live stock in the township. I will assume that there is a span of horses for each 40 acres fenced, 576 head of horses at \$60.00 each will He claims, however, to be interested in his be \$34,560; four head of cattle to each farm would advise you to stand a little back, as the "inability to support his family and pay taxes will be 1,152 head, valued at \$15 per head, \$17,280; ten hogs to each farm, 2,880, worth Now is it not passing strange that Mr. \$5 per head, \$15,400; and 1,000 sheep, at \$3 Lowe can see no connection between our un- each, \$3,000. The total value is \$69,240. In pro rata, on all the taxable property of a in our township were measured and the real given state or district. All men plainly per-cost ascertained, a true cash valuation obtain ceive it in all its details. It is plainly written ed of all the live stock owned in the township than balance the worth of the stock.

From the above we see then, the amount the closure the less the cost per acre.

bnoxious weeds, etc.

local and searching, of all systems ever invent such is not the fact, but there is a continual ant things for men and women in the shops and rect connection with Mr. Lowe's "inability to that we may safely add 20 per cent annually, organization of the first council of the

parts of the state, and hence, is taking consider a common interest; in short to benefit the ments

Having more particularly confined my estimates to a single township, I now will take a mere extended view. Our state is peculiarly adapted to agricultural purposes and the estimated population of Kansas is over 600,000 and if it would be an advantage to one timbered township to adopt the open farm system and a family to each, there would be 1.440 intown, and thus increases, in this and other tants in the state and three-fourths engaged in farming, then there would be 450,000 people in the state settled on farms, or 90,000 farmers on 90,000 farms, and if we make the same esty-five thousands copies printed," who get timate of 40 acres to the farm, then we have 90,000 miles of fence, at a cost of from \$20,-000,000 to \$25,000,000 to the state.

We should encourage immigration into the state as much as possible and give those com-that. Who gets them? In this essay I will give some of my reasons ing in among us a chance to improve their why we should not fence our farm land; and homesteads as fast as possible. If a man will in getting a copy of the annual reports of dein order to introduce the subject I will begin settle on a raw prairie in the spring of the partment for '71, but nothing since. What by getting at an approximate cost of the dif year and can go right to work to break up the ground, he may nearly raise all his living off thousand copies printed? Each M. C., is en-The common worm rail fence, nine rails his own land, but if he has to first build fenctitled to six hundred. high, staked and double ridered, will cost es he cannot do much else the first year, and if he has not got considerable money he will a good use of them—can you tell me how to Post and rails (tight) from \$1.25 to \$1,50 per see very hard times before he makes his farm get hold of an occasional volume without so rod; post and board, five planks high, cost self-supporting; it really seems unjust that all much begging. from \$1.00 to \$1.50 per rod; Osage Orange my neighbors should be compelled to fence out my stock, this is what the present system is compelling the community to do.

In conclusion; I yet say that our (Wyandotte) ferent sized fields and the cost of the different county is a small county and has been well general, then it is time we set the ball in mo

I hope that even those to whom the fencing and imaginary) in order to benefit the many settle in our young state. I would like to see prosperous people.

Rosedale, Wyandotte co., Kan., Feb. 9, 1874.

For the Kansas Farmer.]

#### A GOOD AND CHEAP ROOF.

The question is often asked what is the large tall slough grass good for? We anprotection of grain and hay. We have put on the present winter fifteen

putting the round down,) commencing at the feel truly grateful and more than paid. eve putting the grass as thick as desired, then laying a stick on top of the grass immediately over the under strip or pole, then passing the willow (which requires preperation before using, by twisting in order to toughen them and pointing at their ends so as to readily pass through the straw or grass) through grass stick, drawing firming together and fastening. These willows are put about fifteen inches the treatment after cutting, as also, the time apart. Second layer perfectly over the sticks, and season. about one foot, and so on until finished; then with a good sharp knife and rake the surface is cut and raked perfectly smooth. A pole or 2x4 with ropes fastened at the top of the rafters is used by the workman to support himself. rolling up the support as he progresses up the a burr oak is cut when the sap is in full flow, roof, unrolls as he comes down. No. 14 twine and trimmed and left lying it will soon rot. may be used in absence of willow.

Many thousand head of cattle might thus be spared their lives with a proper application may be true of other varieties—I do not know. of this unused and valuable material; thous. Observers disagree somewhat in regard to sands of bushels of grain might also be saved utility of green and seasoned timber for postsfrom damaging rates to the producer. In some claiming that green is preferable and othmany section of the state this material is found ers defending the dry. I think a large majorin sufficient quantities to shelter all the stock ity have favored the green, and there seems and products E. P. DIEHL.

Olathe, Kan., March 16th, 1874

### SOVEREIGNS OF INDUSTRY.

Topeka Council No. 1 of the above named farmers are compelled to pay in money and Order met at Odd Fellows Hall last Friday labor to protect themselves from their neigh- evening. This being the first meeting of said bors' stock; and I have already shown that council since its organization there was no time and cause rot. the relative expense is much greater on the very important work before it. A large numpoor man than on those of larger possessions, ber of applications for membership were presince if we take any given sized field and sented and favorably acted upon, but the double the sides each way we enclose four initiation of those whose names were presented so readily obtained, it seems a waste of time times as much land, hence, the larger the en was postponed until Friday evening, March 20th, at which time a meeting for that purpose But, again, in fencing we must of necessity will be held at Odd Fellows Hall. From our waste considerable land. I am not assuming stand point, the council is destined to become too much when I say that every mile of fence in a very short time as popular among the city the Osage—kept well trimmed. Thin frewastes one acre of ground. Hence, there will cousins (mechanics, working men and women) quently, both for the purpose of preventing be 288 acres of ground worse than wasted, as of the Patrons as the grange is with the coun with a wide circulation in many states, the it is a place to harbor vermin and propagate try cousins (Farmers &c.,) of the Sovereigns. Its social intercourse and co-operation are Again, if our fences would last a man's life- good and pleasant things for men and women time when they are built it might do, but on the farm they must also be good and pleaswearing out and breaking down of fences so factories. It is hardly two months since the in Kansas." He should therefore, take up about \$15,000 in money and labor every year. period of time councils have been established in at seasons, and with reasonable care you will Now, if the farmers of Kansas would adopt ten States of the Union.

to take care of his own stock, whether horse, its objects are to cheapen the necessaries of have a dry footing, is the idea. Yours, in the life by bringing the producer and consumer to-cause of economy of time and material—Kanempt from its operation, and thousands of poor Kansas, is wood, and this is scarce in many among people engaged in like pursuits having sycamore Spring, Bucks co., Pa.

erable money out of the state that could be working classes in mind, heart, and pocket. It uses secresy as an additional safe guard against the intrusion of those who are unfriendly whose interests are not identical with those of the working men and women. It is nonpolitical but it aims to make the individual sovereign a better citizen and more intelligent voter by stimulating him to habits of thinking for himself and by impressing upon him the fact that integrity, honesty, humanity, religion and country should be more highly esteemed by him than party.

#### Monthly Reports.

"The department monthly a report of condition of crops, etc,; of which there are twenthem? I have written many letters to the department for them during the last year and have received three numbers, and I hear of none of my neighbors so highly favored as

Now, Mr. Editor, I think I would make KAW HILLS.

For the Kansas Farmer.

#### HINTS ON TIMBER.

Very many times since the removal of the timbered, but at the present rate of clearing or FARMER and its more frequent appearance in cutting timber, we will soon have no more an enlarged and greatly improved style, I have than those living on the prairies; and as it is threatened this infliction, but so far and as ottnecessary and right that our laws should be en have desisted, from fear of interrupting and crowding out something of the excellent and fruitful matter which its now perfect form contains; and let me say now, here and forever, system might be advantageous will yet waive if any "croaking," or any species of fault-findtheir slight objections (for they are only slight ing about size, dress, manner or matter, is hinted by friend or fiend, there can be no hope for and those with limited means who desire to vindication—save, perhaps, in the U. S. Senate, and that great national whitewashing es-Kansas lead in this matter and show to the tablishment is so constantly pressed with canworld that we are a progressive, liberal and didates that the chance for purgatorial punishment at least would be ninety-nine for to one against. So it is plain that no "risks" will be

Speaking of manner, or style, perhaps one will do as well as the other, if it were possible under the severe pressure that inevitably comes upon your editor and manager during the crisis of changing, to give forth more unswer, for roofs and shelter for stock and the der the style Editorial, it might, perhaps, be more pleasing to those who frequently discuss a paper after a skinning of the one page, and squares at a cost of less than one third of that generally less. But as it is, with family unof a shingle roof. The Sweedish mode of con- moved and sick, and the scarcity of mechanistruction, (having Sweede in my employ) is cal help, together with your vigorous and unby putting in 1x2 strips 12 inches apart, the equalled corps of contributors, no reader with lower corners rounded, (poles will answer, any claim to reason and propriety can fail to

But my present purpose is not to paint that which already is so prominent, but to give a few hints on timber, and the proper time to cut for fencing purposes. One man suggests the cutting in the old of the moon; another says in the month of February; another, when the sap is up; and still another, when you are around the lower lath or pole over the top ready, like marketing your corn or your beef. My own opinion is that much depends upon

> A shell-bark hickory cut in the winter and put into fence will not last scarce long enough to season into good fuel; whereas if cut in June, when in vigorous growth, and the bark removed, it makes a paying fence. Again, if but if left with the limbs and leaves on it will season and become hard and tough. This to be reason for it.

> In wet ground posts last longer than on dry spots: and where wood is fairly immersed it does not decay. At least a generation of time has no percievable effect upon it. So, if the post be planted while the pores are filled, I think it will last much longer, as then the water cannot enter at a wet nor the air at a dry

But there is small use to discuss the wood fence question in Kansas. The hedge and wire kinds being so cheap comparatively, and to speak of anything else. Of course the wire would need some posts and for these the very best should be provided. But for all border fences, looks and economy dictate the hedgetoo much shade and for the purpose of rendering the work of trimming light and easy.

Any one familiar with labor and figures can soon cypher the difference between a good rail fence and the hedge, or wire; and by counting the interest he will, if prudent, abandon the wood at once and forever.

sas' only hope,

# The Kansas Farmer.

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

TERMS: CASH IN ADVANCE Weekly, for one year, Weekly, for six months, les, Weekly, for one year, s, Weekly, for one year, s, Weekly, for one year,

ADVERTISING RATES:

ne Insertion, 20 cents per Line, nonpareil type, ne Month, 15 cents per Line, nonpareil, each insertion, irree Months, 12 cent Line, nonpareil, each insertion no Year to the Compareil, each insertion, seedal Notice, 25 cents per Line. No advertisement tak en for less than one dollar.

SPECIAL RATES FOR LARGE CONTRACTS. In the Breeders', Nurserymen's and Seedmen's Directories we will print a card of three lines for one year, for \$5. This will give a circulation to the card of nearly 20,000 copies during the year, the best offer ever made by a first-class weekly paper.

#### OUR CONTRIBUTORS.

DR. JOHN A. WARDER, Ohio.
GEO. T. ANTHONY, Leavenworth, Kan.,
DR. CHARLES REYNOLDS, Fort Riley, Kan.
S. T. KELSEY, Hutchinson Kan.
MRS. CORA M. DOWNS, Wyandoite, Kan.
"JUNEBERRY." Wyandoite County.
MRS. M. S. BEERS, Shawnee County
MRS. SOULARD.
"RAMBLER."
"BETTY BADGER," Freeport, Pa.
DR. A. G. CHASE, Leavenworth.
JOHN DAVIS, Davis county,
JUDGE JAMES HANWAY. Lane, Kan.
P. J. LOWE, Leavenworth.
R. S. ELLIOTT, Kirkwood, Mo.
W. MARLATT, Manhattan, Kan.
NOAH CAMERON, Lawrence, Kan.
C. W. JOHNSON, H'awatha, Kan.
"OLD CENTRE," "COUNTRY LAD," "HOOSIER
GIRL." W. P. POPENOE, ALFRED GRAY, Pnop.
SNOW, PROP. KEDZIE, PROP. MUDGE, and host of
other valuable contributors, who will assist in glying the farmers of Kansas a paper not equalled in
the country for originality and morit.
A special and interesting department of the paper
will be the short letters from farmers and breeders,
fruit-growers and others interested in the various
branches of agriculture. The live discussions upon
the topics of the day, embracing full and complete
information upon every phase of the farmers' movement, will also be a prominent feature of the paper
Specimen copies will be sent free to any address.

#### THE FARMER RISES TO EXPLAIN.

The KANSAS FARMER, we desire to say, for the benefit of our Illinois friend who travels how, when and where you sold your Heads and Envelopes—the most comout of his way to say an ill-natured thing, is crop. We want practical papers of this plete, systematic and beautiful styles an agricultural and family paper and makes kind from every county in the state. ever presented to the Granges. no claim to being a political one. At the same time a full, free and fair discussion of all the live issues of the day is to be found in the FARMER every week, written with as much independence and vigor as has character-

it was true that we received the almost unamare Lafter the business in farming, furnished in the state of as good a qualiimous nomination of a republican convention, and this paper will receive thankfully ty and for less money, and we shall opwhich was very largely composed of Pa any practical additions to help men to pose any attempts on the part of any trons and farmers. Mr Haff who was elected do in the best and most economical body to be an official jeweler, bootmakwas the nominee of the straight democratic manner the labor pertaining to their er or organ grinder. Officers of the was the nominee of the straight democratic convention, and was not a Granger when convention, and was not a Granger who will give us the help on themselves and their names to building looked upon as liable to break out at any monominated nor is he one to day, we believe. neighbor who will give us the help on themselves and their names to building Against Mr. Haff we have not a word to say, he was a faithful and an affaithful an was a faithful and an efficient member. Did the Spirit intentionally misstate the facts? him. For its sake we hope not.

The editor of the Spirit is a professional politician, and while he has a right to be such, we do protest against this continual effort to shape the Grange into a political ma- you have a farm without timber, the within. The business of the Grange a chine. As he is not a member of the Grange, sooner the artificial forest is begun the we understand it, is to foster and build Mo we have not the right to say that he is violat. better. Plant them for shade, plant up home interests, to break down by coing the express teachings of the Order, but we them for use, plant them for their beau-operation, unjust and grinding monopomost emphatically deny his right to speak for ty and ornament. Homes without trees, lies, and we shall examine with care all this great movement, and give it a political farms without wind breaks, orchards or enterprises which endeavor to secure signification. The FARMER has labored to groves are to be found only too frequent official sanction and favor to give them to prove that the Grange in itself was not on our prairies, and they are bare and success. political, and if the editor of the Spirit was a barren looking places. Trees are not member he would most certainly more thor- expensive nor are groves difficult to

oughly understand this. fice. He has been a standing candidate ever time when the farm work pushes in all since we came to Kansas, some thirteen years directions, but notwithstanding, we since. He was elected United States Sen know there comes a half day now and his county. ator once, under the auspices of Mr. then, when it can be done, times when Perry Fuller. we believe. Each year with the ground is too wet to plow, that will its new political contests, brings him to the do to set trees. If you have no trees surface as a candidate. During the last around your dwelling don't allow this store located at their town. had promised him otherwise. Whether as a and will grow with half a chance. Cot-dications are that they will have an early politician he will succeed in making the tonwoods make quick, rapid growth spring.

Grange give him a political office, remains to for a wind break. Nothing can take

The Spirit is a hybrid, being a cross between a shadow of the Vox Populi and an plant an orchard, but what we are talk agricultural column of a patent outside. It ing of particularly is shade trees. No thought it was the organ for the Grange in thing does so much towards making a Kansas, but the almost unanimous vote of the cabin look like home as shade trees. late State Grange decided that it did not Find time to plant a few trees every want an organ grinder. The Kansas FARMER year. has been first and last, opposed to the organ

more for their department.  $\Lambda$  wide meeting and feast be remembered. range of subjects have to be treated, and a great variety of tastes to be re-

soil, location, planting, sowing, cultiva- warded a sample set of the KANSAS tion, harvesting, the yield per acre and FARMER Series of Blanks, Cards. Letter-Don't be afraid to put down the plain truth. We are not publishing exagerations to secure immigration. There is is enough in Kansas in her productive soils, and many resources to satisfy rea-

any of the subjects mentioned, ask him up private and personal interests. to do it for the claim others have upon

### PLANT TREES.

If you have only a lot, plant trees, if grow, the great trouble lies in finding What ails the editor of the political "organ" time to get this work done. The best is the ever present, consuming desire for of season for planting is in the spring, a senatorial campaign, this champion of the spring to pass without putting out a few political "organ" did not get a very flattering at least of that most beautiful of all our ccunty, says, times are hard, but prospects for Grange vote, for Senator, although the Spirits shade trees, the elm, easily procured early sown wheat are good, and that the in-

the place of trees about a home. Every body who wants fruit, of course, will

has been first and last, opposed to the organ grinder. The KANSAS FAMER prinding business, and possibly has had something to do with removing this humbug business. This is what ails Ross.

Do not forget in the hurry and labor of your spring and summer work, that your Grange and Club have claims upon your time. A Saturday afternoon spent with your family attending the Grange, meeting your neighbor, where mentally and socially you may receive new stimulus, will help. Besides this the upon the practical papers contributed by the readers. It has been our aim as much as possible, to make the FARMER business saving of the Grange, through but her various parts of the state. The paper is not in any sense a local one, but belongs as much to one county as another—it is in fact the people's paper. Through it they may discuss the pubpaper is not in any sense a local one, but belongs as much to one county as another—it is in fact the people's paper. Through it they may discuss the publication of the people's paper. Through it they may discuss the publication of the people's paper. The Industrial Plow Works of Hopegood & Co., burned on the 21, loss on building \$10, ter with us. We have by this neglect and constant hard work, allowed our ance cannot be ascertained up to date. The machine shops of the Atlantic and Patrix to almost pass out of our hands. lie and political measures of importance affairs to almost pass out of our hands. cific railroad company burned on the same lic and political measures of importance and interest, and also the practical details of their business. Whether they are breeeding horses, cattle, swine, sheep, or growing fruit, grain, vegetables or grass, all will find their interests here represented. Some who grow fruit may think too much space is given to directly interested in, while they who dare breeding stock, especially desire to are breeding stock, especially desire to mothers and daughters write they want more for their department. A wide

### JEWELS FOR GRANGES.

The prices asked for jewels for Granges and shop require attention to-day, and as long as the readers of the Farmer are satisfied with our labors, we shall give but little head to come.

The are thousands of strangers combet to the croaking of those who seem to have for gotten how to mind their own business. When we are in need of the advice of the Industrial Age we will make it known. Until then it is requested to begin with its charity at home.

In regard to the false as well as ungenerous

The are not necessary to convey the impression that they are specially empowered by the National Grange, to make these sion that they are specially empowered by the National Grange, to make these sets of jewels and Grange pins, for which they ask about twice as much as they are worth. This whole business of jewels, furnishing of seals, etc. etc., unlow you failed to grow a certain crop.

In regard to the false as well as ungenerous is an extortionate swindle. An eastern You have given strength to the forces organ firm through its circulars and referized against the National purity and morality." Age we will make it known. Until then it is a large and the state of ange, we have only to say, that the state of ange, we have only to say, that the state of an expectation of the state

> imposed upon from without or from selfish greed that may find a foothold

### NOTES AND QUERIES.

Mr. O. W. Way in forwarding a club of 25 to the FARMER says, about half the winter wheat looks well, the remainder is partially frozen. Quite a number of cattle are dying in

A correspondent from Howard County, Kansas, says, they want a general country

Mr. J. S. Lewis, writing from McPherson

### General Mews.

THE SENATE COMMITTEE OF FINANCE Held a special meeting the 21st, at which the committee promised that the financial measures agreed upon will be reported to the senate next Monday. The bill will fix the the amount of greenback circulation at \$382, 000,000, thus legalizing the reissue of that portion of the \$44,000,000 of legal tender reserve which is now outstanding and making it.

Jersey City saying "20 cents an hour or no During the three days in question Baltimore, work." The movement of freight is at a stand as also always Washington, experienced only still there. The freight which accumulated at warm southwest winds.

foundation in consequence of it.

There is not a whisky seller in the country who does not approve of it, and feel easy in his business because of it. There is no clergyman who indulges in wine to the destruction of his influence as a temperance man, who does not see in it his justification. There is no young man just beginning a course of dissipation, who does not find his downward steps the easier for it. All those who respect and revere the temperate practice of your life are guided by it. You have made a mistake which you can hardly rectify in a lifetime.

#### BUENOS AYERS DEEPLY EXCITED. At Buenos Ayres the elections were in progress and were attended with intense excit

#### PATRONS HAND BOOK-TABLE OF COX-TENTS.

Introductory-Character of the Farmers ement.

History of the National Grange.

Declaration of Purposes of the National

7. Address of the National Grange.
4. Constitution of the National Grange.
5. By-Laws of the National Grange.
6. History of the Kansas State Grange.
7. Address of the Master, M. B. Hudson, at the neeting of the State Grange, February 18ht, 1874.
8. Constitution of the State Grange.
9. By-Laws of the State Grange.
10. Decisions of Master Hudson, at the State

Grange.
11. How to proceed to Organize a Grange, by W.
P. Popenoe, member of the State Executive Comtee. Our Business Agencies, by John G. Otis, State Agent.
13, Recommended Constitution for County Granges.
14. Recommended Constitution for Subordinate

Granges. 15. Manual of Practice for Granges, as recom-mended by the Executive Committee of the State

nended by the Executive Committee of the State 17 ange.

10. Parliamentary rules and usages as given by Cushing, for the conduct of deliberative bodies.

17. A full and correct list of all Granges organized up to date of publication of this work, giving name and number of Grange, name of Secretary and Post-Office address.

18. List of Delegates attending State Grange at Topeka, 1874.

10. Calendar for 1874.

11. Calendar for 1874.

12. Price, mailed to any address, post paid, single copies, 25 cents; 1 dozen, \$3.00; 2 dozen, \$5.00; cp 100, \$20.00; 500, \$75.00.

Address,

J. K. HUDSON,
Editor KANSAS FARMER, Topeka, Kansas.

### Meteorology.

#### TEMPERATURE OF FEBRUARY.

been about the average of many years past, the most decided departure being in Minnesota, Wyoming and Colorado. On the 24th, in the

ed the area of cold northeast winds and rain on the northward from that of warm south-west winds to the southward. This belt of

The Kansas farmer and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased membered.

The Massas.

The Missouri vera the end of the month of the New York dock has been overhaaled and be periabable articles forwarded by the way of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased, and a great variety of tastes to be reased membered.

Each week as we make up the FARM.

It will and correct list of all the or garized Granges in our state is very to do y for a advance form \$1,50 to \$1,75 and the larger and better paper. Our ambition is to more than fill the expectations of our thousands of readers. We started do not not to say to our friends what we want to each other than the early stone of the each of the east, or how the state of the heat of the east, or how the state of the east of th

## Scientific Micellany.

### NEW SAFETY LAMP.

This is a French invention, intended to remedy the great defect of the Davy lamp, namely, its feeble illuminating power. The inventor, M. Boullenot, has constructed a lamp divided

### RESTORATION OF OIL PAINTINGS.

PETTENKOFER'S method for the regeneration and restoration of oil paintings is explained as follows by F. Goppelsroder, a summary of whose papers on the subject we find in the "American Chemist." The linseed oil used by themselves and their names to building up private and personal interests.

We want to see this great movement permanently succeed, and we shall do what lies in our power to protect the masses which comprise it from being imposed upon from without or from PATRONS' HAND BOOK—TABLE OF COXused. To the pictures when initiated variation is ordinarily applied, consisting of solution of resins in turpentine or fatty and drying oils. If the varnish cracks, more is applied to fill up the pores, and several repetitions may have the effects of ruining the picture. The pictures allow moisture to condense upon them, which is evaporated; and in process of time more is condensed, the result finally being a dulling of the picture. Indeed, the author states that by wetting a varnished surface with distilled water, and evaporating the latter, wetting again, and again drying, a white spot may be readily made. Pottenkofer restores the brightness of the picture by exposing it to the vapor of alcohol, which, by condensing on the picture, causes a solution of the film of varnish and thereby restores to the resin its uniformity. A varnish of balsam of copaiba, which dries more slowly than most others, is also found to act as a preservation. By way of preparation for the alcohol treatment, the pictures are washed first with water, to remove dust, allow moisture to condense upon them, which are washed first with water, to remove dust, etc., and then with turpentine, to remove the excess of the resin.

> THE lowest point within the Yellowstone National Park is said to be the mouth of Gardiner's river on its northern boundary line. This is 5,400 feet above the level of the sea. Yellowstone lake is 7,800 feet above the sea

18

### Entomology.

#### Directions for Sending Insects.

All letters desiring information respecting noxious and other insects, should be accompanied by specimens, the ways be packed along with a little cotton, wool, or some such an betance, 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, larvae (i e. grubs, caterpillars, maggots, etc.) should be packed allve, in some tight tin box—the tighter the better, as air holes are not needed—along with the packed allve, in some tight tin box—the tighter the better, as air holes are not needed—along with a summer of their appropriate code of the partial of 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 night selection in the control of great praction of the insect, and this packed in a somewhat larger one, with cotton wadding or some other yielding substance in the intervening space, to obviate jarring, and insure safe carriage. All letters desiring information respecting noxious other insects, should be accompanied by specimens

#### EGGS OF THE MANTIS.

A Topeka gentleman brought to the state agricultural rooms last week, a stone, on one side of which, was fastened one of the curious egg masses of the camel cricket or mantis (Mantis Carolina, L).

He said he had met them frequently, on the branches of his trees, and had carefully destroyed all that he found.

He had better taken great care to preserve them, for this odd and, to some, frightful insect is one of the first on the list of friends.

It is eminently predacious, living entirely upon other insects.

Prof. Riley, in his first report, gives figures of both sexes of this insect and decribes its habits as follows:

"Its food consists mainly of files, though it is a most voracious cannibal and will devour its own kind as well as any other living insect that comes within its grasp.

I have known it to attack various kinds of flies, including the male bag-worm, grasshop pers, caterpillars of various kinds, and in one instance, a single female devoured eleven liv ing Colorada potato-beetles during one night leaving only the wing cases and parts of the legs. It disdains all dead food, and never makes chase for the living, but warily, patiently and motionless, it watches till its victim is within reach of its fore-arms, and then clutches it with a sudden and rapid motion. Its appearance is really formidable, and its attitude while watching for its prey quite menacing, and on this account it is held in very general and superstitious dread. It is, however, utterly incapable of harming any one; and, as one of our best friends should be cherished and protected.

Those sentimentalists who believe that the worm crushed under foot suffer as much as the man who breaks his arm or leg, would do well to study the habits of these mantes. I have seen a female, decapitated, and with her body partly eaten, slip away from another that was devouring her and for over an hour afterwards fight as tenaciously and with as much nonchalance as though nothing had happened."

INJURIOUS INSECTS.—Borers should be searched for and dug out of the collars of apple and peach trees. The eggs of the tent caterpillar should be destroyed; they may be found on some trees in rings near the forks of found on some trees in rings near the forks of the branches, and may be seen glistening in the sun. The apple worm destroys great quantities of apples every year, eating into the heart of the fruit; it is the larve of the codling moth, and as soon as it leaves the fruit, hides under the old bark of apple trees and in nooks and crevices of various kinds, where it spins its cocoons and remains in the pupa state until the ensuing summer. The cocoons shall act as a board of commissioners to locate said road. Said commissioners shall meet at Buil should now be searched for and destroyed. The trunks and branches of fruit trees should be washed with a solution of soda to destroy the scales of hark lice which adhere to the the scales of bark lice which adhere to the bark. Carbolic acid soap suds has latterly been used with good effect.—Western Rural.

## BY AUTHORITY.

[Published Wednesday, March 25, 1874.]

To amend an act entitled "An act relating to townships and township officers.

Be it enacted by the Legislature of the State of Ka

sas.

SECTION 1. Section four of chapter one hundred and ten of the General Statutes of 1888 is hereby amended so as to read as follows: Section 4. At the township election in each alternate year there shall be elected in each municipal township in the state two justices of the peace; or if the number shall have been increased as provided by law in any township, then such increased number who shall reside and hold their offices in the township for which thes shall have been elected: Provided, That no county attorney, clerk of the district court or probate judge shall be eligible to or hold the office of justice of the peace.

SEC. 2. That section four of chapter one hundred and ten of the General Statutes of 1888 be and the same is hereby repealed.

SEC. 3. This act shall take effect and be in force from and after its publication once in the Kansas Farmer.

Approved March 9th, 1874.

Approved March 9th, 1874.

Approved March 9th, 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.

In testimony whereof I have hereunto subscribed my name and affixed the great seal of scribed my name and affixed the great seal of state. Done at Topeka, Kansas, this 24th day of March, A. D. 1874.

W. H. SMALLWOOD,
Secretary of State.

[Published Wednesday, March 25, 1874.]

### AN ACT

To provide for opening private Roads or High-

Be it enacted by the Legislature of the State of Kan

SECTION 1. That when any landholder who has no road or highway desires the benefit of a road or highway, such person may petition the county commissioners of the county in which such person resides, to open a private lane or road to a public highway: when it shall be the duty of said commissioners to appoint three (3) disinterested viewers to view and open a lane or road by the nearest and most practicable route to an estab-

lished highway: Provided, That said land or road shall follow or run parallel with some section or subdivision line; said road not to exceed two rods in width.

SEC. 2. Said viewers shall assess all damages, when damages are claimed, and the road shall be declared opened when the damages, if any, are paid.

SEC. 3. That no portion of the expense of viewing and locating roads under this act shall be chargeable to the county or state, but shall be paid by the person for whose benefit the road is located.

SEC. 4. This act shall take effect and be in force from

paid by the person for whose beneat the load a located.

SEC. 4. This act shall take effect and be in force from and after its publication in the Kansas Farmer.

Approved March 7, 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.

In testimony whereof I have hereunto sublicated my name and affixed the great seal of state, Done at Topeka, Kansas, this 24th day of March, A. D. 1874.

W. H. SMALLWOOD,

Secretary of State.

[Published Wednesday March 25, 1874.]

#### AN ACT Relating to Roads.

Be it enacted by the Legislature of the State of Kan

SECTION 1. That where a road is located on a county or civil township line, and by reason of any impediment, either natural or otherwise, any portion of such road suffers a deflection from such line not exceeding forty rods parallel distance, then for the purpose of improvement such road shall be deemed to be wholly on such line.

SEC. 2. All expenses, either in money, material or labor, arising from the improvement of any portion of such road, shall be borne jointly by the counties or townships contiguous thereto, as the case may be.

By it enacted by the Legislature of the State of Kanesses.

counties or townships contiguous thereto, as the case may be.

SEC. 3. All the acts or parts of acts in conflict with the provisions of this act be and the same are hereby repealed.

SEC. 4. 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 oilice.

In testimony whereof I have hereunto sub. (SEAL.) scribed my name and affixed the great seal of state. Done at Topeka, Kansas this 24th day of March, A. D. 1874.

W. H. SMALLWOOD, Secretary of State.

1Published Wednesday, March 25, 1874.]

#### AN ACT

To amend an entitled "An act regulating Crimes and Punishment."

Be it enacted by the Legislature of the State of Kan

series the state of the state of Kanses.

Secritor 1. That section one hundred and nine of chapset of thirty-one of an act entitled An act regulating or lines and punishments," be so amended so as to shall willing we feet the state of Kanses for the state of the st

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

SECTION 1. That a state road sixty feet wide is
the stabilished and shall be located as follows, to wit:
Commencing at the town of Buil City, in the county
ty of Osborn, thence running north and west
through Kirwin to Phillipsburg, Phillips county.
S. M. Babcock, C. J. Van Allen and L. A. Potter
shall act as a board of commissioners to locate
said road. Said commissioners shall meet at Buil
city, Osborn county, on or before the fifteenth
day of May, 1874, and shall proceed to locate said
road on the most favorable route, employing a
competent surveyor, two chain carriers, and such
other help as in their judgment may be necessary,
but at least twenty days before proceeding to
locate said road the commissioners shall publish
a notice of the time and place when and where
they will commence said survey.

SEC, 2. Said commissioners shall receive the
sum of three dollars per day for the time actually
spent in locating said road, and that the surveyor
and chain carriers and such other necessary help as may
be required shall receive the same pay that county
surveyors and chain carriers receive for like services under the statutes of Kansas. Said commissioners shall be governed in all particulars not
hereinbefore mentioned, by an actentited "An
act to establish certain state roads," approved
March 3d, A. D. 1870, and said act shall govern in
every particular as to allowances of damages for
the right of way, opening the road for travel, and
appeals to the district court where not otherwise
provided for in this act.

SEC, 3. In sect shall 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.

In testimony whereof I have hereunto sub[SEAL.] scribed my name and affixed the great seal of
State. Done at Toneka. Kansas, this 24th-day.

vices under the statutes of Kansas. Said commissioners shall be governed in all particulars not hereinbefore mentioned, by an act of establish certain state roads," approved every particular as to allowances of damages for the right of way, opening the road for travel, and appeals to the district court where not otherwise provided for in this act.

SEC. 3. This act shall be in force from and after its publication in the Kansas Farmer.

If W. H. Smallwood, Secretary of State of the state of Kansas, do hereby certify that the foregoing is a fine and correct copy of the original enrolled bill on file in my fixed in my name and affixed the great seal of Kansas, the seal of March, A. D. 1874.

SEC. 18 SMALLWOOD.

Secretary of State.

To authorize James Kiddoo and Sons, to blid and maintain a mill dam across the Smoky Hill river on their land on lot number five of section number in the construction of said dam.

SECCION 1. That James Kiddoo and Sons, to blids, and award contracts, and ere empowered to a constructed by the Legislature of the State of Kansas, the set of the state penituality is a constituted a board to be constituted a board to five the combined of the state penituality is a constituted and maintain a mill dam into feet of the state penituality and the state penituality and the state penituality is a constituted and maintain a mill dam into feet of the state penituality and the state penituality is a constituted and maintain a mill dam into feet of the state penituality is a constituted and maintain a mill dam into feet of the state penituality is a constituted and maintain a mill dam into feet of the state penituality is a constituted and penituality is a constituted and maintain a mill dam into feet of the state penituality is a constituted and penituality is a constituted

AN ACT

# [Published Wednesday, March 25, 1874.]

An act to vacate certain blocks, streets and alleys in the city of Newton.

Be it enacted by the Legislature of the State of Kan

SECTION I. That all that part of the city of New ton, Harvey county, Kansas, laying north of eighth street except Main street is hereby vacated; also the north half of block twenty-one, blocks twenty-twe, twenty-three, twenty-five, twenty-six, twenty-seven, north half thirty-four, blocks thirty five, thirty-six, south half thirty-seven, blocks forty, forty, one, forty-four, forty-seven, blocks forty, forty, one, forty-four, forty-twe, fifty-three, fifty-four and fitty-five, all the alleys in said blocks be and the same are hereby vacated.

alloys in said blocks be and the same are nerely vacanted.

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

Approved March 7, 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.

In testimony whereof I have hereunto subfiles and the string of the state.

[SEAL.] scribed my name and affixed the great seal of state. Done at Topeka, Kansas, this 24th day of March, A. D. 1874.

W. H. SMALLWOOD.

Secretary of State.

sand eight hundred and seventy-four and the year one thousand eight hundred and seventy-

Bo it enacted by the Legislature of the State of Kansas.

SECTION 1. That for the purpose of raising revenue to defray the current expenses of the state government and pay the interest on bonds of the state, and create a sinking fund for the redemption of bonds for the year one thousand eight hundred and seventy-four and the year one thousand eight hundred and seventy-four and the year one thousand eight hundred and seventy-four and the year one thousand eight hundred and seventy-four and the year one thousand eight hundred and seventy-four and the year one thousand eight hundred and seventy-four and the year one thousand eight hundred and seventy-five, there is hereby levied and the property of the state subject to taxation as follows: For current expenses, four mills on the dollar; for the sinking fund, one-fifth of a mill on the dollar; for the sinking fund, one-fifth of a mill on the dollar.

SEC. 2. The revenue raised under the provision of the act shall be and is hereby appropriated for the payment of general appropriations, and to pay the interest and create a sinking fund for the redemption of the bonds of the state which may have been or may be issued under authority of law.

SEC. 3. The tax levied for payment of interest and to create a sinking fund shall be payable in lawful money of the United States, or matured coupons of the bonds of the state of Kansas, which shall be applied exclusively for the object herein dosignated.

SEC. 4. 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 cartify 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 subfate. Done at Topeka, Kansas, this 24th day of March, A. D. 1874.

W. H. SMALUWOD.

SEC. \*\*.

SEC. \*\*.

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.

In testimony whereof I have hereunto subscribed my hand and affixed the great seal of state. Done at Topeka, Kansas, this, 24th day of March, A. D. 1874.

M. H. SMALLWOOD.

Secretary of State.

|Published Wednesday, March 25, 1874 |

To regulate and govern the letting of Prison La bor.

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

the prisoners outside of the prison grounds. A day's labor shall be ten hours. The bond to secure performance of contract in each case, shall be executed to the state of Kansas in such a sum as may be determined by the board, but in no case to be a less sum than ten thousand dollars nor more than fifty thousand dollars, and be approved by the board making the award, or a majority of them.

SLC. 8. This act shall take effect and be in force from and after its passage and publication in the Kansas

SLC. 8. Library St. 1988.

SLC. 8. Library St. 1989.

Approved March 9, 1874.

I. W. H. Smallwood, Secretary of State of the state of Kansas, ito 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 sub
[SEAL.] scribed my name and affixed the great seal of state. Done at Topeka, Kansas, this 25th day of March, A. D. 1874.

W. H. SMALLWOOD,

Secretary of State.

## Business Aotices.

Physician and Surgeon. DR P. I. MULVANE, Office, 168 Kansas Avenue, Topeka, Kan

Great Inducements. WE will sell for the next sixty days, goods

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

E will sell, for the next sixty days, our E 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 cash, at our regular wholesale price list. Parties wishing Brown's Corn Planters, Garden City and Moline Plows, Skinner Breakers, Gang Plows and other articles in our line, will find it greatly to their advantase to sond us their orders. Sond for special price list, GRANT, MABBETT & CO.

Leavenworth, Kan., Feb. 10 1874.

GRANGE STORE. 196 Kansas Avenue, Topeka, Kansas, keep on hand a large stock of Dry Goods, Fancy Goods, Notions, Carpets Oil Cloths, Mattings, Window Shades and Grangers' Supplies. Specialty orders from any part of the State, will receive prompt attention.

First door south of the Post Office.

KEITH & BILLINGSLEY.

# ROAD NOTICE.

NOTICE is hereby given that a petition will be presented to the Board of County Commissioners of Shawnee county, Kansas, 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.

# HACK, HACK! COUGH, COUGH.

Cough is a symptom by which various diseased conditions of the throat, bronchial tubes and lungs manifest themselves. But whether it arises from the irritation produced in the throat and larynx by taking cold, from an attack of Bronchitis, from incipient Consumption, or from various other causes, nothing will allay it more speedily nor cure it more permanently than Dr. Pierce's Golden Medical Discovery. It does not matter whether it be a recent attack, or a lingering cough, the Discovery in either cases equally well adapted for its valide and case equally well adapted for its relief and permanent cure. In fact, it will cure a cough in one half of the time necessary to cure it with any other medicine and it does it not by dry the irritation, and healing the effected parts.

No time should be lost in commencing the use of a proper medicine for the relief of a Cough, for unless this correst in the relief of a Cough, for unless this correst in the relief of a Cough, for unless this correst in the relief of a Cough, for unless this correst in the relief of a Cough, for unless this correst in the relief of a Cough, for unless this correst in the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless the relief of a Cough, for unless this correct in the relief of a Cough, for unless this correct in the relief of a Cough, for unless the rel for unless this course is pursued, serious and dangerous disease of the lungs is liable to

DOCTORS SOON LEARN ITS VALUE. BUFFALO, N. Y., Dec. 13, 1870. Dr. Pierce—For the past six months I ave used your Golden Medical Discovery in my practice, and in that time I have tested its merits in severe coughs, both acute and chronic, in chronic disease of the throat, severe cases of bronchitis, general derangement of the sys-tem, constipated condition of the bowls, and wherever a thorough alterative has been indi-In all cases I have found it to act gent cated. ly yet thoroughly and effectually in removing the various diseased conditions, and bringing about a healthy action throughout the system. Yours fraternally, H. L. HALL, M. D.

## CENTAUR LINIMENT



THE Great Discovery of the Age.
There is no pain which the Centaur Liniment will not relieve, no swelling which it will not subdue, and no lamenesswhich it will not cure. This is strong language, but it is true. It is no humbug; the recipe is printed around each bottle. A pricular containing certificates of wonderful cures of rhounatism, neuralists, lockjaw, sprains, swellings, burns, scalds, caked breasts, poisonous bites, frozen feet, gont, salt rheum, ear-ache, &c., and the recipe of the Liniment will be sent gratis to any one. It is the most wonderful healing and pain-relieving agent the world has ever produced. It sells as no article over before did sell, and it sells because it does just what it pretends to do. One bottle of the Centaur Liniment for animals (yellow wrapper) is worth a hundred dollars for spraymed, strained or galled horses and mules, and for screw-worm in sheep. No family or stock-holder can afford to be without Centaur Liniment. Price, 50 cents; large bottles, \$1.00. J. B. Rose & Co., 53 Broadway, New York. Junction City Market.

Ana Junction City Market.

Ana Junction City Ana Junction City Ana Junction City A

### Market Review.

OFFICE OF THE KANSAS FARMER.

# Topeka Money Market.

acific Gold Sevens, May and Nov.
acific Gold Se, L'd Gr. Jan'y, June
acific Gold Sixes, June and Dec.
acific Gold Sixes, Feb. and August
acific Income Sevens, No. 16,
Topeka & Santa Fe First Mortg'e
Topeka & Santa Fe L'd G't Bonds
80683

LOCAL SECURITIES. Kansas 7 per cent Bonds 88 City Seript Kansas 6 per cent Bonds 90 Dist, School Bonds 80-83 State Warrants, pur County Warrants pur County Warrants pur County 7 per cent randroad Bonds 50 Improvem't B'ds, 925

GRAIN MARKET.

WHENT—Fall No. 2, \$1 25; No. 3, \$1 15@1 20 No. 4, \$1 00 \$1 00. Spring, Red. No. 2, 90c. CORN—White, No. 1, 50c in bulk; Yellow and Mixed, 45. OATS—No. 1, 32c in bulk. Conn—White, No. 1, 50c in bulk; Yellow and Mixed, 45. OATS—No. 1, 32c in bulk. RYE—50c. BARLEY—90ccs\$1 00. FLOUR—Wholesale Millers' rates—No. 1 Fall, \$3 85; No. 1, \$3 35; No. 3, \$3 00; Low Grades, \$2 50. CQRN MEAL—Bolted, in sacks, \$1 35; Bulk, \$1 25.

#### PRODUCE AND PROVISIONS.

#### Leavenworth Market.

TEN YEARS TIME.

COCATED in Central Kansas, near market and railroads. Improved Farms, An abundance of TIMBER and WATER. Stocked with Cattle, Hogs, Horses and Implements. All on above time. Address
I. N. LIMBOCKER, Manhattan, Kan.

GRANGER PRICES.

LEAVENWORTH, March 25

FLOUR AND GRAIN.

RARLEY—No. 1, \$1 00; No. 2, 90c; No. 3, 85c.
Conn—Shelled, 51c; Yellow, 55c; Ear, 55c.
Riyka—No. 1, 56l; No. 2, 55c.
Riyka—No. 1, 60c; No. 1, 81 35; No. 3, \$1 20; No. 4, \$1 15;
Rejected, \$8, 60c; Epring, 70c; 80c.
XX. 1, 82 25c; X. 1, 10c; Family, persusce, \$3, 75; XXXX, \$3 50;
Buckwhent, \$8, 25c; 50 per cwt.
Conn Mr. 1, \$2, 25c; 50 per cwt.
Conn Mr. 1, \$2, 25c; 50 per cwt.
Bran—100c.

WE will sell, for the reserved.

CALTLE—Supply limited and demand good for fat cattle, Native Steers, 346-4c; Cows, 3c; Texas Steers, 3634/c. Hoos—Recepits light and demand good at extreme range Live Hogs, 84 004 5. Dressed—Good to Ceoice, 5654; Light, 446-4x.

PRODUCE. BUTTER-Choice, 20c; Firkin, 30c; Cooning, 14c Edgs-22c, Brans-White Navy, \$2 50.
POTATOES-Early Rose, \$1 40; Peachblows, \$1 50.

Kansas City Market. PRODUCE AND PROVISIONS. THODUCK AND PROVISIONS.

18.—XXXX, per sack, \$1 00@4 2; XXX, \$3 25@3 5
20. Ryc, per cwt, \$2 25@3 00.

18.—Mixed, per barrel, \$4 00@4 40; Choice, \$5@7.

18.—Choice, 20e; Good, 20e; Common, 15@18c.

18.—Choice Navy, \$2 50—3 00; Medium, \$1 50@2 50;

19. 50. Castor, \$1 50@1 60.

19. Mconx—\$40@100 per ton.

19. Main.—Bolted, in sacks, \$1 50 per cwt; Kiln dried

19. \$3 904 100.

Common, \$1 50. Castor, \$1 50:61 60.

BROOM CORN #40:6100 per ton.

CORN #61.1—Bolted, In sacks, \$1 50 per cwt; Kiln dried per common for the common for the

CATTLE AND HOGS. CATTLE—Native Steers, \$5@5 95. Fat Oxen \$5 00@5 50. Fax Steers and Cows mixed, \$3 45, Hous—\$4 80@5 00.

St. Louis Market. ST. LOUIS, March 25.

WHEAT—Spring No. 2, \$1 20@1 25%; Fall No. 3, \$1 43@

LOUIS—NO. 2, \$1 65@1 67.

CORS—NO. 2 mixed, 62@65c.

CORS—NO. 2 mixed, 62@65c.

CORS—NO. 2 mixed, 62@65c.

CORS—NO. 2 mixed, 62@65c.

DALLEY—Kansas, \$9.

TYE—NO. 2, 90@630.

TYE—NO. 2, 90@630.

TYE—NO. 2, 90@630.

HOGS—\$4 70@5 10; Light Shipping, \$5 40@5 60.

CATTLE—GOOd to Choice Native, \$4 50@5 50.

Good to Prime Texan and Indian, \$150@1 50. Sr. Louis, March 25.

Chicago Market. CHICAGO, March 25 LAND WARRAS

PRODUCE AND PROVISIONS.

WHEAT-No.1 Spring, \$1 20; No. 2, \$1 17@1 25 No. 3, ORN-No. 2, mixed, 58@59e OATS-No. 2, 48c HYE-No. 2, 80c No. BARLEY-NO. 2, 81 68c3 00 No. 3, \$1 53c1 70. WHISKY-835c67c. PORK-\$14 25c1 50: PORK-\$14 25c1 50: ORRES ACATS-Shoulders, 53c6; Short Rib, 73c, loose. ORRES ACATS-Shoulders, 53c6; Short Rib, 7c.

New York Market. NEW YORK, March 25.

# Atchison Market.

ATCHISON, March 25

CORN - 40&45c.
WHEAT—Spring, \$0 95&1 00; Fall, \$1 15&1 40;
RYE-55c.
BAILEY-89 90&1 00.
OATS-32&35c.
POIK—Dry salt meats, shoulders, 5&6c; clear sides, 10c; plain ham, 12c; sugar cured, 12½,c.
LARD—Choice winter, in therees, 8½c; 40 lb cans, 8c; 20 lb cans, 9c; 25 lb can

## Junction City Market.

## Literary and Domestic.

EDITED BY MRS. M. W. HUDSON.

For the Kansas Farmer.

God's Ways Are Not Our Ways.

BY MRS. MABEL STRATTON BEERS.

'T was early spring-time, and the earth Seemed full of laughter at the birth Of tiny birds, and sweet wild flowers Which sweeter grew as hurried showers Came softly down, deepening the green Of grass and cowelip, 'side the stream That rippled on, by day and night, Across the farm of Richard White.

Ten years of peace and quiet joy
He had passed there, and no alloy
Of pain and grief seemed there in life
For him: his children four, and wife,
Were blessed with health; the fruitual soil
Its wealth of grain gave for his toil:
But yet he sighed. The far off West,
Of which he read, he longed to test.

And, as the days flew swiftly by,
The fever in his brain ran high,
So that, a buyer happening round,
He straitway sold him all his ground;
Then home he went, told Mary all
How he had sold, and hoped, by fall,
On Kansas's prairies they would find
A larger farm, just to their mind.

"I know, dear wife, that you will grieve Because 'tis done, and you must leave Friends tried and true: and this old home, Which has so dear and precious grown. Our boys are growing fast, you know, And it is time for us to go Where land is cheap, and, as they say, "Get ahead for a rainy day."

Her love for Richard, strange to tell, Gave ner the strength to answer: "Well, To good or ill, to weal or woe, Where thou goest I will go."

Spring's fairy beauties were faded and dead, The harvest was ended, autumn leave red, And dotted with gold, and spotted with brown Were drifting in hollows, strewing the ground; While all through the forest, naked old trees Tossed wildly their arms and moaned in the brownich tasted of winter, ere Richard White Had realized half of the visions bright. Which had lured him on to pioneer life With his children four and his faithful wife.

With his children four and his faithful wife.

The "beautiful farm" was harder to find,
With timber and water, just to his mind,
With a building spot commanding a view
Of the prairies broad, and the river too.
Than he had dreamed, but he persevered,
And bought at last. He then a cabin reared
Of logs, and of chinking, in true western style;
His brain building castles in air meanwhile,
Of fences well made, and sod overturned,
Which covered with grain, from what he had lear
Would soon yield a fortune, so he and wife
Contentedly could relinquish the strife
Of every day labor, folding their hands
In blissful repose, while life's ebbing sands
Should softly run out.
What structures grand,
One can build in the air; and in the white sand
Which lies at our feet, with our finger trace
The form of a letter, a word, or a face:
But one sweep of the billow over the strand,
And never a sign of the work of our hand.
So it is in life, to great and to small,
Who chases the phantom, "Perhaps," do fall.

One morning, when Richard arose, he found While he had been sleeping, without one sound To herald its coming, the snow with white Had mantled the prairies, and hidden from sight All trace of the track—at best but dim—
Which led o'er the hills to the town of Lynn, To which be not a count our places a molice. To which he must go and purchase suppli For winter's need. He considered it wise To go at once, and trust his discretics, And compass true, to point direction.

The morning was warm, the sun shone bright, The snow would be melted and gone by night, He knew by intuition. "I will go," He said, "and have it done; "for well I know The longer I wait the colder 'twill be; That journey once made and I shall be free Te cuddle at home and keep up the fires."

He bustled around, and did up the chores, Bidding his Mary to keep within doors
Till he should return. "It will not seem long—
The weather is fine, and my horses so strong—
But here is our Roger, coaxing to go;
Is't better, think you, we tell him 'no!"

"Here's Philip and Ned to bring in my wood— I'd take the child, Richard, 'twill do him good, Be pleasant for you, and with these three I never a moment will lonely be."

Thus bravely the woman—but mother and wife, Through day and night following had hard strife To keep back the tears and smother the pain Which with thought of her dear ones ever came.

The night came on dark, and dreary and raw,
And in the gray morning the weary one saw,
With tearful forebodings, the fast falling snow
Come whirling and lesping, filling the air,
While storm-winds were shricking like souls in

Come whirling and leaping, fining the air, While storm-winds were shricking like souls despair.

The day went at last, but the storm still stayed: Her children were sleeping; kneeling she praye "Oh, Father, my darlings I pray thee keep;" Then worn with her watching she fell asleep; A deep, quiet sleep, without even a dream; And woke not, till through the window a sheen Of beauteons sunlight told her the storm Had given away to a clear, frosty morn. Hastily rising, and thinking "To-day My husband and Roger can start on their way," She raked out the coals and piled on the wood, Enveloped her form in her cloak and hood, Took down the tin bucket, in which to bring Water for breakfast from the neighboring sprir Enveloped her form in her cloak and hood, Took down the tin bucket, in which to bring Water for breakfast from the neighboring sprin And opened the door—could it be a dream! Or was it a fact—their own faithful team Stood quietly helping themselves to corn: no Sign of her husband, no sign of her boy; snow Oovered the wagon and all that it held. An undefined dread and horror impelled Her to rush to the wagon, throw out the snow, With quick, rapid motion of hand, when, lo! See wrapped in the blankets, so coxy and warm, She found her boy, Roger, safe from all harm. He wakened with innocent, simple surprise, To find it was morning—rubbing his eyes In childish endeavor to comprehend—
"Oh, now I know, mama, at Wilton's bend Pa tucked mejin tight, to keep out the cold, And said he should walk, because he was old, And would freeze if he rode, the wind blew so, While the air was just full of sleet and snow. I shouted once, but he could nothear, So I went to sleep, and thought he was near."

The rest is soon told, though sad is the tale—

The rest is soon told, though sad is the tale—When spring came again, a widow pale And stricken with grief, with four little boys, Went home to her father, feeling all joys Lay buried and dead, with one they had found by the side of the road, prone on the ground. He'd a whip in his hand, all covered with sleet, While a snowdrift white was his winding sheet. The pratrie, alas, had proven his bier; But angels, who hover forever near, When souls are departing, bore above The soul of her husband to reals of love.

For the Kansas Farmer.

A KANSAN IN EUROPE.-No. 10.

BY RAMBLER

York is the shire town of Yorkshire county. and is said to be the oldest city in Great Britain. It dates back nearly a thousand years before Christ. During the time of the Romans it was the capital of Britain.

The ancient part of the city is still enclosed upon the next generation, tending to and humanize them in their treatment in hight, and forms a delightful promenade dumb servants.—Cor. Manchester (N. H.) Disof four miles in extent.

In our walk around the city on this wall we arrive at the river Ouse, which flows through from west to east. The walls here are much been strongly fortified at some former period. For the Kansas Farmer. The river at this point is a deep, narrow stream, navigable only for small sloops and canal boats, in fact, it looks more like a canal than a river.

Jumping into a wherry, we are sculled across in a few minutes, and mounting the wall again continue our walk.

The streets here are the narrowest we have ever seen, in many places not being more than twelve feet wide, paved with cobblestone and no curbing whatever. One would almost imagine himself in China, if it were not for the people, even these have a different look and we might say speak a different tongue entirely from the Scotch people, their brogue sounds peculiarly harsh to our American ears.

The only attraction for the tourist in this place, apart from the quaint old city and its inhabitants, is the cathedral. This is one of the oldest, and is the second in point of size, in the kingdom. It was founded by Edward King of Northumberland, 625, but was principally erected in the 13th and 14th centuries Three distinct styles of architecture are plain

Having found a tolerable good position to get a view of the west front of the building. We are ready to acknowledge that taste, ingenuity and skill can produce nothing more complete. It is about 150 feet in breadth and something more than that in hight and is composed of two distinct styles and periods of building. The principal portion, up to the battlement above the cornice was completed about the year 1340. Above the main entrance are several sculptured adornments, represent ing events connected with Adam and Eve and Cain and Abel. On the upper portion the ornaments are of a foliage and floral style.

This portion was erected between 1430 and 1455. The contrast between the two periods

The towers are splendid specimens of the one was completed in 1455, the north one one of which is how to make good yeast. about 1482. The tops of the finials on the pinnacles of the towers are said to be 200 feet how to make wet yeast to keep, take six from the ground.

transept and the Central or Lantern Tower.

The ornaments are entirely of foliage, form-

floor to the roof of the Lantern Tower is 185 would be better if it did.

tament. An artist was brought from Rome, grocery. In making the lye no rule can be who manufactured the glass near by and was given as there is such a difference in the fifteen years designing and completing this eternation of school. Achoe from the publications, 1 cent; Hand Bills, Posters, Sheet sterling.

### Humane Education

Our schools, pulpits and press, and more especially the home, should be so many agencies for disseminating the principles of the law of kindness. The delicate refinment and sensitive humanity which recognizes the hand of the Creator as well in the tiny worm as in the won-derful mechanism of the human frame, is in-herent in but few; the mass must be educated up to the point where they can recognize the claims of every creature, however humble, to they had better try it in hot water first or they kind treatment and protection from injury. The boy who finds pleasure in torturing insects, or takes delight in stoning frogs, or wantonly robs bird's nests, never will develop into a

of ability, and more thought on the subject than had been supposed to exist; and also a marked change for the better in the sentiment marked change for the better in the sentiment of the youth of both sexes, in regard to the relation existing between themselves and the animal world. The coming men and women are the lads and misses of our public schools. With proper culture and training in this direction, can anybody doubt the ennobling effect upon the next generation, tending to soften

If perennial plants have stood three years in thicker and heavier and are built flanking the river. They have the appearance of having who has none.

APRIL. BY JUNEBERRY.

Hear me, April, do not linger Loltering on thy way; Hark! a thousand fainting voices Call to thee every day.

O haste thee to thy fairy task ! After the long death-night; With dappled buds make orchards gay Frost hedges o'er with white

Loosen the tendils round the eaves Bring forth the crocus gold-Bid the dear, delicious lilacs Their purple plumes unfold

The waters chafe beneath their chains Fretting to leap again, The bee to roam, the bird to sing Between the sun and rain.

Have pity, O, I pray thee, April! On pale anemones, Just peeping out their fairy heads To catch thy first soft breeze.

O, ye violets and primroses! O, redbird's thrilling strain O, honey bees and hyacinths! Bring April back again!

Hark! the liquid murmur floating Soft as reed-tuned note .-Such as that from shepherd's pipe O'er some lone moor may float. Lo! April with the azure dress

Has heard, and sprinkling daisies, comes With lilles garlanded. Up from the amber South she floats 'Mid flash of brilliant dyes .-Warm, spicy wafts, gay-tinted birds And gleam of butterflies.

Coming!" list her sweet wind-whispers Dream-music is her voice; Come blossoms, song-birds, brooks, and all Wake up! rejoice, rejoice!

Big Knife Lodge, Wyandotte co., Kan.

For the Kansas Farmer.

In looking over our part of the FARMER I perpendicular style of building. The south see some one wants to know several things, My way of making dry yeast is, I don't know

medium sized potatoes, pare and cook them in Proceeding around to the north side of the three pints of water, and a handful of loose hops three pints of water, and a handful of loose hops cooked in a pint basin, have the basin nearly full. Have ready in a pan 1½ pints of flour; when the potatoes are done pour the water on the flour and stir it up; then mash the potatoes quickly and add them with the water to make the product of the product cathedral, we have a fine view of the north cooked in a pint basin, have the basin nearly This part of the building was commenced flour; when the potatoes are done pour the waabout 1260 and finished in 1300. It is entire on the flour and stir it up; then mash the potaly a different style of architecture from all toes quickly and add them with the water ly a different style of architecture from all toes quickly and and them with the water other parts of the cathedral. We have here the massive Norman pillars, bold projecting bases and acutely-pointed arches.

The days add come more between the water of the water of the cathedral. We have here from the hops, which should be kept boiling est kindness.

As many horses have suffered from bad example and inexperienced drivers, the above add come more het water.

As many horses have suffered drivers, the above add come more het water. not wet all the flour, add some more hot water. ed in clusters and festoons.

Entering the cathedral, we are struck with the magnificence of its interior. The loftiness of the Lantern Tower is beyond nescription, supported as it is by twelve heavily ribbed columns of ten feet in diameter, and not less than 100 feet in hight. Above this a massive stone cornice. The windows of the little flour, add some more hot water, but don't get it too thin; then let it cool, after which add a teacupfull of good yeast well soaked, and keep it in a warm place. In the morning stir it down, and as it rises through the day, then the next morning, after your work of Health; John C. Stiles, Supt. of Union Horse Railway; Waldo Adams, Adams Express Company; John Trickey, Lumber Dealer; Chas. A. Currier, Special Agent of Mass. Some cornice. massive stone cornice. The windows of the it will be at least a week in drying. Don't etety P. C. A. tower cannot be less than seventy feet in think it is spoilt if it smells so strong you can hight. We are told that the hight from the smell it all over the house, it may not, but it

feet. Could Solomon's Temple have been A good way to make bread is to take half as greater than this? How were all those tremendous stones put into position without the and makes your yeart the same way, making at all offices except at letter carrier offices 1 aid of steam power. We of the present perilitius after dinner, this time of year, and about aid of steam power. We, of the present period, can construct nothing equal to this with all our modern appliances.

There are some five or six tombs in the cathedrary church, but are of no particular interest to the church, but are of no particular interest to the visitor.

One thing more is worthy of mention, and that is the east window. It displays magnitude, beauty and magnificence beyond description. It is 77 feet in length and 32 feet in addition to proper postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters on which a full vate of postage 8 cents; All letters aid of steam power. We, of the present peri- it just after dinner, this time of year, and about There are some five or six tombs in the cathedral principally those of archbishops of the church, but are of no particular interest to the visitor.

One thing more is worthy of mention, and that is the east window. It displays magnitude, beauty and magnificence beyond description. It is 77 feet in length and 32 feet in breadth. The glass is not painted, but stained in the process of manufacture, and is so cut and shaded as to represent prophets, kings and saints and events recorded in the Old Test tament. An artist was brought from Rome, who manufactured the glass near by and was any sand was any seast bread. I have never fail. If the postage is chargeable will be forwarded charged with unpaid postage at the office of delivery.

If the postage is left wholly unpaid, or less than one full rate, it will be held for postage is left wholly unpaid, or less than one full rate, it will be held for postage is left wholly unpaid, or less than one full rate, it will be held for postage is left wholly unpaid, or less than one full rate, it will be held for postage is left wholly unpaid, or less than one full rate, it will be held for postage is left wholly unpaid, or less than one full rate, it will be held for postage is not to the Dead Letter Office.

A letter once delivered to an authorized person, son, cannot be mailed unless additional post age is paid.

Letters addressed to fictitious persons of irms are not deliverable nor are letters simply addressed to a post office box or to initials deliverable.

Hard MATALT UARDENERS' STOCK.

Medum Early Red Onion, choce stock ib \$3 00 delivery.

If the postage is left wholly unpaid, or less than one full rate, it will be held for postage is not full rate, it will be held for postage is left wholly unpaid, or less than one full rate, it will be held for postage is left wholly unpaid, or less than one full rate, it will be held for postage is left wholly unpaid, or less than one full rate, it will be held for postage is left wholly unpaid, or less than one full rate, it will be

was too soft.

The best way to break it is to have a barrel and fill it with water, put in the lye and stir opes, unprinted cards, plain and ornamental it well and let it stand over night when it will paper, are limited to twelve ounces in weight. have settled, or you can break a boiler full at a time, often as it warms skim of what rises the hotter it is the quicker it will become clear. If one has never used it and the ashes are strong may get in too much, which would be hard on the hands and might yellow the clothes.

To knit double heels in socks, when you se generous, kind-hearted man, unless restrained by special training, and in extreme cases by the stern hand of authority.

In England, and in Massachusetts, it has been the practice to offer prizes, for the best the heel widen every four stitches and when

compositions from the pupils in the public much trouble to put in the missing capitals schools on the subject of kindness to animals. The result has been the display of a great deal is thrown away I shall not feel hurt.

JERUSHA JONES. Pleasant Hill, Kan.

I wish some of your numerous lady readers would inform me through the columns of the herd never did and never can realize profit from FARMER, the best mode of preparing salsify the dairy. or oyster plant for the table.

THE proprietor of a well known silver essuds, which makes it look like pewter. He This will be a very economical mode of pre-

.

### Miscellanu.

Advice to Teamsters.

WHAT CONSTITUTES A GOOD DRIVER?

oats, with plenty of good hay.

Potatoes or carrots may be given once or

Potatoes or carrots may be given once or twice a week to good advantage. See that he is kept clean, warm and comfort-able, with plenty of bedding. A piece of rock-salt should always be left in

the manger.

Second. He should see that his harness is

kept soft and clean, particularly the inside of the collar, which ought always to be smooth, as the perspiration, when dry, causes irritation, and is liable to produce galls on the shoulder. The collar should fit closely, with space enough at the bottom to admit a man's hand. If too large it has the bad effect of drawing the shouldest together.

houlders together.

On no consideration should a team or any workhorse be compelled to wear a martingale, as it draws the head down and prevents him from getting into any easy and natural posi-

The check-rein may be used, but only tight enough to keep the head in a natural position, and should never be wound around the hames. See that the hames are buckled tight enough at the top to bring the draught-irons near the centre of the collar. If too low, it not only in-terferes with the action of the shoulder, but gives the collar an uneven bearing.

Caution should be taken that the girt is no buckled too tight, particularly on string team, for when the traces are straightened it has the tendency to draw the girt against the belly and distress the horse.

Third. See that the horse is kept well shod

with a good stiff shoe, always calked at the toe and heel on the hind feet, as it is there where all the propelling comes from when heavily loaded.

Keep the feet good and strong by not allowing them too be cut away too much by the

Fourth. The best of judgment should be used in loading, taking into consideration the condition of the street and the distance to be travelled.

travelled.

Never overload, for by so doing you only distress, strain and discourage your horse, and do him more injury than you can possibly gain by carrying the extra load.

When your load is hard to pull, stop often, and give your horses a chance to breathe.

No good driver will ever resort to the cruel practice of whinping or heating his horse.

Condensed Table of Domestic Postage according to the new Postal Code

fifteen years designing and completing this strength of ashes. Ashes from down, dirty Music, 1 cent, Books 2 cents; seeds, bulbs. roots, work. His salary for all this time was £60 wood will scarcely ever make lye at all, and cuttings, 2 cents, ones, minerals and metals, 2 has given rise to the opinion among some, that water in some localities was so hard it could manuscript, 1 cent; patterns, sample cards letter water in some localities was so hard it could not be broke, when the trouble was, the wood liquids, poisons, glass, explosive materials and have bscene books, are excluded from the mails.
All packages of seeds, roots, bulbs, cuttings

samples of merchandise, patterns, letter envel-Packages of this class deposited in the mails over the prescribed weight, are charged as

Other matter, such as newspapers, books magazines, posters, engravings and printed matter generally, is limited to four pounds in

weight and must be fully prepaid.

VARNISH FOR WOOD CARVINGS .- The following is recommended for this purpose by the heel widen every four stitches and when lowing is recommended for this purpose by you knit backwards slip every other stitch, a foreign authority. One part of gum-shellac knitting all as you forward.

There, if the Editress does not think it is too much trouble to put in the missing capitals and punctuate this she is welcome to it. If it water bath and disaslyed in double its weight. water bath and dissolved in double its weight of alcohol of 96 to 98 per cent.

> THE cow must be treated kindly. You may slight or whip her and she will spite you in the milk-pail. The man who is passionate in his

TO PREPARE HORSERADISH.-Take a sau sage mill and grind it, after cleaning thor tablishment in Philadelphia says that house oughly, and by putting it through three o keepers ruin their silver by washing it in soap four times, it can be made as fine as wanted recommends soft leather and whiting to be paring this over the usual tedious manner of grating it.

## New Advertisements.

# 1,000,000

# First. A man who sees that good care is taken of his horse in the stable, by being well fed with wholesome food of cracked corn and MAPLE, 2 to 4 feet, per 1000. 8 to 4 feet, Everything in proportion. Send for circular, WILLIAM CUTTER, Junction City, Kan.

### TASSEL WHEAT

I S a spring grain, and warranted to yield better and fill more important places than any other grain, Address with stamp or send ten cents for sample or fifty cents for package. May be sown as late as June 1. G. W. HOVER, West Geneva, Mich.

#### JAMES HALL,

PARIS, KY., has on hand at all times, at private sale, Pure Thoroughbred Short Horn Durham Cattle and Berkshire Hogs of late Importation and of the purest blood.



THE P. I. DEDERICK PERFETUAL HAY PRESS
Bales hay faster, puts it in better shape, with less
help and less expense than any other. A whole stack
or mow of hay may be picked into it without stopping
or tramping, and will be discharged in bales by the
machine, without assistance. See them in operation
at our works, Tivoli St., Albany, N. Y.; No. 30 College
St., Montreal, P. Q.; No. 165 West 16th St., Chicago, IllCor Wilkinson Ave. and Third St., N. St., Louis, Mo.

# PUBLIC SALE SHORT-HORN CATTLE

THE subscriber will sell at public sale at the ANCIENT FORT FAIR GROUNDS, adjoining the city of NEWARK, OHIO,

Wednesday, April 29th, 1874, about three-fourths of the "Forest Home Farm Herd" of Short-horns, comprising 45 to 50 Head, including all the Show Animals, both bulls and

# 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 Seeu.

Varieties—Liberian, Regular Sorgo and Comsecana. Prices—By mail, postage paid, 50 cents per lb: by express, 25 lbs or less, 30 cts per lb: over 25 lbs, 30 cts per lb, package included. The Necazana is dropped from our list. Regular Sorgo and Uomsecana are becoming subject to mildew and rust. We therefore recommend the Liberian for general cultivation.

Two to three pounds required per acre.

Money with order. Sorgo Hand Book sent free.

BLYMYER MANUFACTURING CO.

Successors to Blymyer, Norton Co.

Cincinnati, Ohto.

# Poultry Breeder.

LITTLEMAN, Springfield, Ohio, Breeder of all varieties of pure bred Poultry, Rabbits, Pigeons, etc. Singlag Birds. Send for price List.

NEW CROP FRESH AND GENUINE WETHERSFIELD

ONION SEED And Other Choice Vegetable Seeds.

### MARKET GARDENERS' STOCK.

## Blooded Stallions For Sale.

J. Offer for sale two Imported Draft Stallions; one a five years old Clydesdale, weighing 1,600 pounds, a 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 chestnut, good action, weighs 1,650 lbs. Have collected \$1,100 for service of the five year old and \$800 for young horse for last season. Reason of sale, ill health and absenc from home by doctor's advice. TERMS.—\$1,200 each, reasonable time. real estate security. Large discount for pash. 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 earlier than Early Rose. I will send 75 eyes for 50 cents postpaid. EDWIN SANDY, Hopper, Washington county, Kan.

#### Olathe Nurseries: Olathe, Johnson County, Kan.

A General assortment of Fruit, Forest and Ornamental Nursery Stock. 250,000 two, three and four years old Apple; 30,000 two and three years old Pear; 25,000 budded Peach. Correspondence solicited.

E. P. DIEHL & CO.

### Small Fruit Plants.

# Important to Farmers & Gardeners.

A LL persons who wish to raise the Largest and Best cents for one package of imported
Alsatian Cabbage Seed.
Cabbages of the finest quality and weighing upwards of sixty pounds may be raised in any part of the United States from these seed. Each package containing an ounce, will be sent free of postage to any address on receipt of price, 25 cents each, or five packages for one dollar. Full directions how and when to plant accompany each package. Address M. M. REYNAL & CO. 86 Amity street, New York City.

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cretto the existing of the exi

#### 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 important and the support of the same county and proceed with it as if taken up on his own premises.

citizen of the same county may proceed to take up such stray, and proceed with it as if taken up on his own premises.

SEG. 8. If any person take up any stray, he shall immediately advertise the same by posting up three printed or written notices, in as many public places in the township, which notices shall contain a full description of the stray.

SEG. 9. If such stray shall not be claimed and proved at the expiration of ten days after it was taken up and advertised, then the taker shall go before a justice of the peace of the county and file his affidavit, stating that such stray was taken up on his premises, and that he did not drive or cause it to be driven there; or that it was taken up on the premises of some other person, naming him, and that he gave such person ten days notice, and that he has advertised such stray ten days, and that the marks or brands have not been altered since, to his knowledge.

SEC. 10. The justice shall issue a summons to three disinterested householders to appear and appraise such stray, which summons shall forthwith be served by the taker up of such stray; which service shall be without charge, if not demanded at the time of making the appraisement.

SEC. 11. The householders or two of them, shall proceed to describe and appraise such stray, stating the occount of the summons of the summons to the describe and appraise such stray, valid the summons shall forthwith be served by the taker up of such stray; which service shall be without charge, if not demanded at the time of making the appraisement.

disherested householders to appear and appraise and takery up of the everyte shall be without the proper of the control of the proper of th

shall cancel all lien the county may nave upon such stray.

SEC. 17. If the owner and taker-up cannot agree as to the amount of costs and expense of taking up, it shall be decided, on application of either party, by the justice of the peace before whom the proof of ownership was made, who may compel the attendance of witnesses, if necessary, and in making up his decision he shall take into consideration whatever service the taker-up may have had of such stray.

SEC. 18. If the owner of any swine, within two months, or of any other kind of stock, within twelve months, falls to comply with the provisions of this act after the time of taking up, and the taker-up shall have proceeded according to law, a complete title shall yest in the taker-up.

after the time of taking up, and the taker-up shall have proceeded according to law, a complete title shall vest in the taker-up.

Szc. 19, In all 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 treasury, after deducting all costs of taking up and posting, one-half 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. 30. If any person shall sell or dispose of any stray, or take the same out of this state before the title shall have vested in him, he shall forfeit and pay to the county double the value of such stray, and may also be punished by fine, not exceeding twenty dollars, and imprisonment in the county jall not to exceed thirty days.

SEC. 21. If any person unlawfully takes up any stray, and fails to comply with the provisions of this act, or uses or works such stray before advertising the same, or shall keep the same out of the county more than five days at one time, before he acquires a title 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 cer-

sequires at lite to it, he shall forfeit to the county not exceeding fifty dollars.

Second of the contraction of the state, at some regular session of their respective boards, in each year, shall examine the certificates or other records of strays field in the offices of the other records of strays field in the offices of the other records of strays field in the offices of the other records of strays field in the offices of the other records of strays field in the offices of the other records of strays field in the offices of the other records of strays field in the offices of the other records of strays field in the offices of the other records of strays field in the offices of the other records of the strays field in the other of the other port 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 contract of the strate of the stray in the stray of the peace, in their respective to the len held by the county, as provided in this article.

Sec. 23. Justices of the peace, in their respective counties, shall have jurisdiction and take cognizance force all the penalties and fines against person deforce all the penalties and fines against person deforced all the stray in the stray in the stray of in any manner violated the provisions of this article, and describing the stray in the stray of in any manner violated the provisions of this article, and described in the provisions of this article, and described in the stray in the stray of in any manner violated the provisions of this article, and described first person of the stray of the stray of in any manner violated the provisions of this article, and the stray in the stray in the provisions of this article, and de

### THE STRAY LIST.

BYAN ACT of the Legislature, approved Feb. 27, 1887, section 1, when the appraised value of a stray or strays exceeds tendollare, the County Clerk is required, within ten days after receiving a certified description and appraisement, to "forward by madi, notice containing a complete description of said strays, the day at which they were taken up, their appraised value, and the name and residence of the taker up, to The Kansas Farmer, together with the sum of fifty cents for each animal contained in said notice."

Stray List for the Week ending March 25.

Allen County—H. A. Needham, Clerk
COW—Taken up by J. A. Caldwell, Deer Creek tp, one
small Cow, pale red neck gad seen, white stripe in face,
white stripe behind right shoulder, white belly, speckled
sides, hind part of rump and tall mixed roan, tip of left
horn broken off, 4 years old. Appraised \$13.

Anderson County—E. A. Edwards, Cierk.

ILLY—Taken up by J W Paul, Washington tp. Feb
18, one sorred Filly. 2 years old, no marks or brands, 14
hands high. Appraised \$35.

STEBR—Taken up by F G DeLozier, Reeder tp. Jan 29,
one pale red and white Steer, 1 year old past, no marks
or brands visible. Appraised \$12.

Bourbon County—J. H. Brown, Cierk. STERR—Taken up by J. A. Dunaway, Marinaton tp. on year old Steer, red, large white spot in forehead, whited, in bolly, white spot on flank, no other marks or branks. ppraised sign.

Brown County—Henry Isely, Cierk.
PONY—Taken up by John Corcoran, Hawatha tp, Jan
21, one roan dun mare Pony, saddle mark on back. 22 or 13
hands high, about 4 years old. Appraised \$30.

Chase County—S. A. Breese, Clerk.

Cbw—Taken up by I. W Coleman, Toledo tp, Mar 11,
one white and red speckled Cow, about 7 years old, no
marks or brands visible. Appraised \$14.

Greenwood County—L. N. Fancher, Clerk.
HORSE—Taken up by G Olson, Salem tp. Feb 9, one
bay horse pony, 6 years old, harness marks, 14 hands
high, fore feet shod. Appraised \$\$3.

COW—Taken up by W A Smith, Lane tp, Feb 16, one red
Cow (with small call) white spot in forehead towards
right horn. Appraised \$18.

STSER—Taken up by Col Kofford, Otter Creek tp, Mar
2, one red and white Texas Steer, 4 years old, one car cut
off. Appraised \$17.

STERE—Taken up by J B Carille, Otter Creek tp, Mar
STERE—Taken up by J B Carille, Otter Creek tp, Mar

HEIFER—Taken up by A J Kelly, Nov 1, 1873, one light roan yearling Helfer, red ears, no other marks or brands. Appraised \$12.

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 ear, silt or fork in right ear, no other marks or brands. Appraised \$15.

brands. Appraised \$16.

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

Coffey County—A. Crocker, Clerk.

FILLY—Taken up by H H Errett, Liberty tp, one medium sized black Filly, 2 years old, no marks or brands.
Appraised \$46.

dium sized black Fllty, 2 years old, no marks or brands. Appraised \$45.
COLT—Taken up by G W Payton, Liberty tp, one medium sized yearling bay Colt, some white hairs, no brands. Appraised \$25.

Donlphan County—Chas. Rappelye Clerk.
COW—Taken up by L B Smith, Wayne tp, one Texas Cow, red head and neck, white and red speckled body, red legs, crop off each ear, supposed to be 7 years old. Appraised \$12.

Labette County—L. C. Howard Clerk

Traised \$12.
Labette County—L. C. Howard, Clerk.
PONY—Taken up by A. Berry. Mound Valley tp. F.
1, one bay mare Pony, about 14 hands high, 8 or 10 yea
dd, hind feet white, blind in left eye, saddle marks, so
ack. Appraised \$10.

Lacygne County—J. F. Weatherbie, Clerk, FILLY—Taken up by F A Wayne, Mound City tp, on light bay Filly, 145/hands high, star in for head, suppose to, be 3 years old this spring. Appraised \$7.50. Leavenworth County—0. Diefendorf, Clerk,

### Breeders' Directory.

ATHEW RYAN, Leavenworth, Kansas, Breeder of Short Horn and Imported Stock, Have now two (2) young Bulls and three (3) fine Helfers for sale. Pleasant View. P. O. Leavenwith. Heifers for sale. Pleasant View. P. O. Leavenw'th.

S. LONG, Glen Farm. Monroe Postoffice, Jasper country, Iowa, Breeder of Thoroughbred Short Horn Cattle.

Nice Young Bulls for sale at fair prices.

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

Send for Price List.

J. FIERY Emports, Kansas, Breeder of Thorough-bred Short Horn Durham cattle. Three Bulls for sale at reasonable prices.

B. GILMORE & E. H. NICHOLS, Millersburg, Illinois, Breeders, and Dealors in Improved American Mermo Sheep. We defy competition. Stock for sale.

Correspondence solicited.

U. Correspondence solicited.

B. STEVENSON. BREEDER AND SHIPPER OF Pure Bred Berkshire Swine. Stock for sale.

J.B. STEVENSON. BREEDER AND SHIPPER OF Pure Bred Berkshire Swine. Stock for sale.

J.B. STEVENSON.

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Glenwood, Ran.

J.B. STEVENSON.

J.B. JERVENSON.

J.B. JERVENSON.

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List. Send for Circular and Price jan-71y

M. GAYLORD, Paola, Kansas, Breeder of dark Brahma and Buff Cochin Fowls. Eggs \$1.50 per setting Chickens for sale after August 1, 1871.

Address J. M. Gaylord, Paola, Kansas.

Address J. M. Gaylord, Paola, Kansas.

Importer and Breeder of thorough bred herd book JERSEY CATTLE. Helfers and bulls for sale at eastern prices,

### Nurserymen's Directory.

ORMAN & INGHAM, Hutchison, Reno Co., Kansas, Dealers in Forest and Fruit Tree and Garden Seed in bulk,

Dealers in Forest and Fruit Tree and Garden Seeds in bulk,

LLEN'S NURSERIES, KANSAS CITY, MISSOURI, ALLEN BROTHERS, Proprietors. We are now prepared to farnish a full supply of Trees, Shribs, Roses, Ec., at wholesale.

ZANSAS CITY NURSERIES, GOODMAN & SON, PROPERTORS, Southeast corner of Twelfth and Cherry, Streets, Kansas City, Missouri. Green-house and Bedding Plants, Nursery Stock very low. sepi5:1y-83

LATHE NURSERIES, JOHNSON COUNTY, KAN

A General Assortment of Fruit and Ornamental Juracey Stock, Nursery and Office, three hundred years event the Depot. E. P. DIEHL, Proprietor.

PLOT KNOB NURSERY, D. C. HAWTHORKE, PROPERTOR, Roses, Evergreens and Greenhouse Plants, Wholesale and Retail.

JOSIAH COPLEY, Perryville; J. K. Hudson, T. B. L. Kingsbury, Burlington, Coffey county. Chas. A. Bates, Marysville, Marshall county. J. A. Anderson, President, Manhattan; W. Burgoyne, Secretary, Manhattan; E. Gale, Loan Commissioner, Manhattan; E. B. Purcell, Treasurer, Manhattan; L. R. Elliott, Land Agent, Manhattan.

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WILLIAM K. KEDZIE, Professor of Chemistry and Phy E. GALE, Professor of Horticulture and Superinte

J. E. PLATT, Principal of Preparatory Department and Teacher of Vocal Music.

Mrs. H. V. Werden, Teacher of Instrumental Music.

A. Todd, Superintendent of Mechanical Departmen

### POLICY BOARD OF REGENTS.

Leavenworth County—9. Diefendorf, Clerk.
COW—Taken up by Irwin Cheatwood, Fairmount tp.
Feb 23, onc 41.
COW—Taken up by Fred'k Beaver, Kickapoo tp. Feb
27, one red Cow, white on belly, ellp off left ear, straight
eut off light ear, 8 years old. Appraised \$13.
Lyon County—J. S. Craig, Clerk.
STERE—Taken up by N Campbell, Pike tp. Jan 21, one
3 year old Taxas Steer, aed and white spotted, swallow
fork in left ear, crop off right ear, short tall. Appraised
\$18. ture, the mechanic trades, or industrial arts. Pr

2. Opin this basis, the racinty 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 arti-sans; 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. orn the highest stations of life. 3. Degrees shall only be given to graduates, yet the

Faculty are requested to indicate what studies raculty 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 instruction shall 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.

### CALENDAR .

FALL TERM,-September 11,-December 24, 1873; 15 WINTER TERM .- January 1-March 25, 1874: 12 weeks. SPRING TERM .- April 2-June 24, 1874; 12 weeks.

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