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Forest Trees for Kansas Prairies

DDRESS delivered before the Farmers' Institute, held at the Kanzas State Agricultural College, Manhattan February 4, 1874.

BY S. T. KELSEY, OF HUTCHINSON, KAN.

Ladies and Gentlemen :- I have been invit ed to address you on the subject of "Sylviaculture for climatic change, for ornament, for wind breaks, for profit, etc.," on the Kansas

I shall not endeavor to give you a scientific discourse, but will confine myself mainly to facts that have come under my own observation, and within my own experience. I do this because I believe that known facts are worth more to you than doubtful theories.

Observations have not been extensively con tinuous and careful enough to determine definately the full effects of forests on the climate of a country.

It is generally believed that growing trees increase the rainfall, and many facts, or supposed facts, are brought forward to prove the theory; but other accounts equally well authentic seem to prove that they do not. I think, however, that we have sufficient evidence to prove conclusively that forests hold the moisture during heavy rains and give it off in times of drouth. So that even though the annual rainfall may be no greater, the moisture is more evenly distributed, and consequently more available for the use of man

The leaves and mellow earth in the forest absorb the water as it falls from the clouds Sticks and roots stop its flow to the streams, so the sarplus water that can not be absorbed by the earth, vegetation and evaporation, finds its way slowly into the water courses, keeping the earth moist and feeding the springs and streams through long seasons of drouth' while in the open country the water falling upon the bare ground, that has usually a smooth hard surface, runs rapidly into the ravines and streams and is soon out

of the country.

The little moisture that is left is soon dried up by sun and wind and the crops fail for want of the water that had run to waste.

My early home was in the lumber woods of south-western New York. The country was mostly covered with a dense growth of pine hemlock, beach and maple. The farms were small and drouth was rarely known to hurt our crops. The soil was almost always damp. The springs and streams seldom overflowed their banks and few of them ever went dry.

A spring brook ran through my father's farm. It source was in the hills some miles away, and it run through an unbroken forest

single day, and a bridge near our house that where. was not more than two feet above low water mark, was, for many years, undisturbed by

But in course of time the land up the valley was taken and much of it cleared up for farming purposes. As the clearing progressed the flow of water in the brook became more variaable. In dry times it ceased to flow and in times of heavy rainfalls it overflowed its banks, often doing serious damage by washing away the soil and destroping crops. And the bridge that was high enough before, had to be raised several feet to prevent its being Red Cedar are all good trees, and the Norway tral Kansas, it is an easy matter and costs but washed away by the floods. The fields be came dryer; we had less damp foggy weather and the crops were often injured by drouth.

I remember this case because I have been familiar with all the facts, have watched it myself for over thirty years, and have its history for many years more and I cannot be mis-

The same thing is going on all over the country where the wood lands are being cleared. Streams that were navigable for large vessels will now scarcely float a canoe except in times of flood. Water powers that were once considered the best in the country have become worthless because of the irregular flow. And where the country is generally cleared up they suffer quite as much for drouth ing them so as to protect the home grounds, in New York, Pennsylvania and Ohio as we in "Drouthy Kansas."

cultivated fields adjoining.

Now, while it is a fact that the earth does that we live on the bleak prairies of Kansas. become dryer under growing trees than in the lions of leaves are constantly sucking it up stock will not destroy it, is the Red Cedar. from the earth below through the roots and mosphere to water the adjacent fields.

the earth further from the forest and away grown to the required hight it may be shearfrom the influence of the trees has less mois ed annually to keep it thick and in shape. ture and the crops suffer sooner, while we am asked to tell you something about find the earth containing more moisture as we penetrate the forest.

In European countries where they have gived this subject much careful attention, they have great faith in the influence of forests, and it is believed that one-fourth to one-third of the surface should be in forest to produce the best results in agriculture.

Kansas, except a portion of the eastern part of the state, is almost a treeless plain.

It has had the reputation of being drouthy But after a residence of nine years in the state I am satisfied that the rainfall during the growing season is as great here as in the eastern states. Judging from what I have seen of the effects of clearing off the forests there, I believe that if the state of New York was cleared of every tree and shrub, and millions of cattle were turned out to tramp the ground at all seasons of the year and eat down every spear of grass that attempted to grow-as the buffalo have done here in Kansas-that New York would be as desert like and barren as the

With a proper distribution of forest groves

TREES FOR ORNAMENT.

The home is cheerless, the farm looks bare fire in doors. and desolate and the town is unattractive without trees. No landscape is complete without For thirty years that creek was not dry for for no unhealthy tree can be ornamental any. and the stock is diminishing.

I have found the following trees all valu-struction, will strip all of our available naturable and suitable for ornamental purposes in alforest of its best timber, and the great prairie Kansas:

Honey Locust, Silver Maple, Osage Orange, sprouts will not be objectionable.

Spruce does pretty well where not too much little in time and money, to plant and tend a exposed.

Evergreens, west and south of us, and we shall ed, easily propagated and of rapid growth, and give us as good an assortment as our eastern friends can boast.

No person having a home in the country or beautiful and attractive home.

WIND BREAKS

forest groves and ornamental trees, by arrang- December 1873: stock yards, etc., from the north and west winds. And in an open prairie country, such Mr. Thomas Meehan, of Philadelphia, edi- a wind break will add immensely to the comtor of the Gardener's Monthly, argues that fort of our domestic animals and ourselves. A of rapid growth and all except the Evergreens trees must make a country dryer because the few rows of fast-growing trees will, in three or are easily propagated:

cultivated fields adjoining, it is only at the Lombardy Poplar make good wind breaks. Red Cedar, Austrian Pine, White Pine and edge of the forest where the leaves are blown The Osage Orange is of slower growth, but for off; the earth is but half protected from the a permanent screen it is the best deciduous sun's rays; the heated wind from the adjoin- tree that I know of, but I believe the best tree ing fields absorbs the moisture, and the mil. of all for a tight and lasting wind break, where er slow growers at first, but they have grown

The trees may be planted in a single row, And we find, just as we might expect, that fer the single row and when the screen has sary to insure success.

TREE GROWING FOR PROFIT.

I believe there is a profit in growing trees for the purpose that I have already named. I believe it pays to grow trees to ornament our homes and modify the climate, to give us cool shade in summer and protect both man and beast from the terribly cold winter storms that sweep across the unprotected prairies, to store up the surplus water that falls at some seasons of the year and give it out to refresh the thirsty fields and young crops in time of growing trees for these purposes, that if they had no further value. I should deem my time well spent if I were to devote it all to the preaching and practice of the gospel of tree planting.

But every settler on these prairies need trees for other purposes.

We must have fuel, and the cheapest and best way to get it, unless there is a forest or Great American Desert was ever accused of the farm or a good coal mine at hand, is to plant trees and grow it.

Any prairie farmer can grow his own fuel in believe that the climate of the whole state of four or five years, and from the experience Kansas will be as favorable for the producthat I have had, I am satisfied that I can grow tion of farm crops as the climate of New York my wood cheaper than I can haul it five miles and with our short winters and a soil which is if given to me; and I believe that five to six certainly far superior to that of the eastern acres of best varieties well started and well states, there can be no question but this will managed will supply an ordinary family with be one of the best agricultural states in Amer. fuel perpetually. And if there is any question as to the trees making it more comfortable out of doors in a cold day there can be no question as to the effects of a good blazing wood

Timber is needed for fencing, building and a great many purposes on the farm, and must them. And in no other way can a little time be had; and in no other way can it be obtainand money be used so advantageously in fit ed so cheaply as by growing it. Your neighting up the surroundings of a home and add- bors want it and will pay you a good profit for ing to its beauty, as in planting and tending growing it. People all over the country must a few ornamental trees. They need not be have timber for building houses, barns and herd of cattle running through it browzing "far-fetched or dear bought." But they should fences, bridges, for railroads and telegraph and tearing down the trees and tramping the be of such varieties as are suited to the soil lines, for furniture, farm implements and maground so that the trees had no good and climate and will make a healthful growth chinery. The demand is increasing annually and did not make so good a growth as they

A few years more, at the present rate of destates of the west must grow their own or suf-Red and White Elm, Green Ash, Box Alder, fer for want of it. And, as the timber can be grown here cheaper than it can be freighted White and Golden Willow, Sycamore, Black from any natural forests that we now have, a quick growth, the Cottonwood and Lombar grow beyond our own wants. In western dy Poplar are valuable, and the Silver Poplar Kansas there are some difficulties in the way is a good tree for some situations where the of growing forests because we have not experimented sufficiently to know just what to grow The Austrian, Scotch and White Pines and and how to grow it. But in eastern and cenfew acres of forest to make a valuable grove: We need to test the trees, especially the Begin with such kinds as are cheaply obtainlikely be needed. Don't depend upon any tree because it does

even in town, if with room for trees, can afford well somewhere down east. Experiment as to be without them. They change the whole much as you feel able to, but for your main trees must be planted close, about 4x4 feet, beaspect from a bare, dull, lonesome place to a planting use only such kinds as are known to cause they plant close in Europe, where the succeed on our Kansas prairies.

The following list of trees was recommended for general cultivation by the Kansas State growth are ready sale at good prices, where Can be provided for while planting out the Horticultural Society, at its last meeting, in the men who plant forests are rich, and even

Elder, Ash, Osage Orange.

The trees in the following list have generally succeeded well in Kansas, they are mostly would never make good straiget timber.

lar, White and Golden Willow, native Gray For a quick growth, the Cottonwood and Willow, Buttonwood (Sycamore), Mulberry,

The European and American Larch are difficult and expensive trees to handle, and rathwell with me after they were fairly started. 1 think the European Larch will be a valuable stems of the trees and giving it off into the at- tree feet apart, or two rows with the trees six tree in eastern Kansas for those who can affeet apart, and trees set to break joints. I pre ford the expense and will give the care neces-

The Oaks and Hickories-including Pecanare easily propagated from seed, but they grow so slow that they will be of no practical value for many years.

The following trees have generally failed to produce any satisfactory results. They may some of them succeed in some localities but they will not do to depend upon:

American Arbor Vitæ, American Chestnut, American Black, White and Yellow Birch, Beach, Hemlock, Scarlet and Sugar Maple, Tulip tree or Yellow Poplar of the East, Magnolia, Accuminata (Cucumber tree).

In December last (1873,) I measured the growths of the several varieties of trees that I planted in forest groves at Ottawa, Kansas. drouth. I have so much faith in the value of These trees were planted in rows twelve feet apart and trees about two feet apart in the row. I give below, the average growth from actual measurement:

d	Trees planted in	n tl	ie spr	ing of	1867-	7 years	growth	
ls	NAME: WIIA	TI	LANT	BD:	DIAMI		HIGHT FEET	
	Silver Poplar	. C	utting	8	4 to	10	. 25 to 30	0
a	Lombardy Poplar						30 to 40	
u	Cottonwoad				3 to	6	. 20 to 30	0
n	White Willow,				2 to	4	20 to 80	0
~	White Willow, Golden Willow,		**		2 to	4	.20 to 2	
0	Black Walnut,	. 1	Seed,		2 to	5	.10 to 1	
ſñŧ	Burr Oak	1	**		1 to	2	. 3 to 10	1
	Hickory,			Kater	dowr	ever	winter	
	by the rabbits.						winter	2
ш	Populus grandide	nta	to /T.a.	cro.				
A	toothed Poplar)	2 27	77'1'1'	Be	0 40	100	44	2.
ĭ	Silver Maple		Pre			*******	12	
W	American Larch,						.20 to 30	
50.	American Larch,	3	**				.12 to 20	
B	European Larch	3					.10 to 15	
94					1 to	3	.12 to 15	
X	Red Cedar	ġ			2 to	4	. 7 to 10	
1	White Pine	3			2 to	8	. 5 to 10	
1	Transplanted in	вр	ring o	ſ 1868-	-6 year	s grow	th.	
A.	Buttonwood	1	**		9 to	E.	20 to 25	1
n	Wilden Plan	100	2 22		10		20 10 20	

Transplanted in spring of 1869-5 years growth Cuttings 3 to 6 20 to 30 Seed 2 to 4 10 to 15 3 to 6 10 to 15 1 yr plants 2 to 4 10 to 12

Most of these trees were on rather thin, dry upland prairie soil and had no care after the second year from planting. After the third would have done if they had had a better chance.

The forest planted in the spring of 1869, on similar soil, had good care—the ground being cultivated for four years-and the trees are now as large as those planted two years before. You will see by the growths, that these trees have made on the upland prairie soil, Walnut, European Larch and Mulberry. For we can be sure of a paying market for all we under a system of most shameful neglect and outrageous abuse, that it takes but little time to grow a valuable grove of forest trees. But they do grow very slow for the man who has not the faith or the energy to plant them.

The proper distance to plant to bring the best returns for the outlay is a question that is not well settled yet.

The savans who write about trees have used up a great deal of paper in scolding because I have recommended to settlers on the prairies doubtless find many that will succeed here, prefering such as produce the most valuable to plant in rows twelve feet apart; that crops timber for the purposes for which it will most might be grown between the rows to pay the cost of cultivation and thus get the forest raised at small expense.

They argued that the plan was all wrong, labor of planting and tending is worth but a shilling per day, poles of two or three years if they needed to borrow money it is worth but Cottonwood, Black Walnut, Ailantus, Box three to four per cent. per annum.

Trees planted in such wide rows would surely be short and crooked and gnarly. They

I, who presumed to give such advise would surely come to grief; and grave fears were earth under growing trees is dryer than in the four years, break the force of the cold winter Silver Maple, Honey Locust, Catalpa, Red entertained that some persons might be inducstorms so thoroughly that we will not realize and White Elm, Silver Poplar, Lombardy Popler to follow such teachings and it would result in disaster and misfortune to the individu- to determine very accurately the amount and al and the state

But notwithstanding this cloud of witness against them, like General Taylor who did know that an artificial forest will produce not know when he was whipped, these stupid trees with the weight of argument, reason will be in better shape to handle. and common sense against them, and right in the very face and eyes of the fact that they begins to pay, in furnishing shade, wind could not possibly succeed, as a timber grove breaks and fuel. At from six to ten years it have grown right along making good straight will furnish fencing poles and small timber stems and a clean healthy growth, of sizes as for various purposes on the farm. At from I have named to you before, and they stand ten to fifteen years it will supply nearly all there to show for themselves.

I have recommended the plan of wide plantbetter forest but because it could be done so who could not or would not, if they must expend a large sum in starting the forest and get no return for several years.

I have planted out groves at various dis tances, from 2x4 to 4x12 feet, but it is too ear be. The common opinion among tree growers is probably correct; that it will make a better forest to plant in rows not over six any one else. so long as when the rows are further apart, the trees will run up more regular, and during the first few years there will be more trees to cut out for use on the farm, etc. But whatever the distance between the rows, I would in no case plant the trees more than three feet apart in the rows. By planting thus close in the row of Horticulture, and would be glad to know if this is a fact or only conjecture?"

[We do not know why the physiologists referred to make no mention of the fact. It was crowd and need thinning, will more than pay the extra cost of planting and tending, and feet apart. It will not need to be cultivated

pared as for a crop of grain. If in prairie sod it should be broke early the season before planting, and it should be well and deeply re plowed and made fine and mellow before the trees and seeds are put in.

Most tree seed, except the Evergreens should be kept moist until they are planted. Many of them, as the Ook, Chestnut, Walnut, etc.; are killed by drying.

The Silver, or Soft Maple, and Elm seed ripen in the spring in this latitude from the first to the middle of May. They should be gathered soon as ripe-never allowed to dry and planted within a few days.

They will grow and make good plants the same season

Seed that ripens late in the season may be put out in moist (not wet) sand or leaf mould and kept in a cool cellar or on the north side of some building till spring, and then planted as soon as the ground is in order.

The nut trees do not transplant well and the seeds should be planted where the trees are to

All other seeds that start with a strong growth may be planted right out in the fores rows, putting in hills a few seeds in each the distance the trees are expected to stand and thin out to one tree in each hill, when one year old, or sooner, if the extra trees are not wanted. Seeds that start with a feeble growth, better be planted in seed beds and transplant ed at one or two years old. Evergreens Larches and all classes of resinous trees re quire shade and skillful management in start ing and it will hardly pay one not skilled in the business to attempt to grow them from seed. The small plants can be bought very cheaply of Robert Douglas, Waukegan, Illi nois, who makes a business of growing them. They should be bedded out, mulched and if dry, they should be shaded the season after they are transplanted, and after one year in our climate they may be set out in nursery rows. The ground should be kept mellow about them and if very dry they should again be mulched

All trees that are to be removed except the Evergreens, may be dug in the fall and burried until time for spring plowing. In this climate I would not plant out any in the fall. Will also do it upon seeing any one near them As soon as they reach the ground they hastily The Willows and Poplars including the Cottonwood grow from cuttings, which may be taken off at any time between the ripening of the growth in the fall and the starting of the sap in the spring, though I prefer not to cut when the wood is frozen.

The forest ground should be well cultivated until it is shaded by the trees.

Do no trimming, except to cut off sprouts that may start up about the roots, and take off extra leaders that would make forked trees. All other limbs will die off as fast as the trees do not need them.

Thin out as the trees grow so as to crowd and check their growth; always leaving the straightest and best except when needed for some special purpose.

little to a person living on the place. By getting the cheaper varieties and planting in rows twelve feet apart, the crops that can be grown between the rows may, on good ground be made to pay all costs of plants, preparing giving you and my fellow farmers my exper ground, planting and tending. If the rows ence in "Tea Spring" wheat, last sessor

To hire the work all done for a forty acre forest, with trees set 4x4 feet or 6x3 feet would cost about as follows;

Breaking 40 acres, at \$3.50 Replowing same, at \$2.50	.00 per acre\$1
Seeds, cutting, plants, #4	1
Beene, cutting, plants, \$4	
for 40 days	2.50 per day
Cultivating 1st year	
Cultivating next 3 years	***********
Onimitating mext o Years	

The value of a well grown forest is not eas ily estimated. We have not sufficient data

value of timber that different kinds of trees will produce in a given number of years. We then drilled without plowing or harrowing. much more timber than a natural forest and it

At from four to six years from planting, it ing not because I believed it would make a the tops of the trees will furnish fuel. At from much cheaper, and many people would plant make telegraph poles, railroad ties and timber

ly to tell what the relative cost and results will is safe to count upon reasonable profits in was?

the extra cost of planting and tending, and they will help to make the balance run up tall and straight.

The ground for s grove should be well presented as for a corn of grain. If in prairie and the important part such knowledge plays in practical gardening.]—Gardener's Monthly.

Agriculture.

For the Kansas Farmer.

Crotch—and belongs to the same great family Chrysomelidae-but to a very distinct group from the one in which the before mentioned Table of Weights and Measures of Farm Produc tortoise beetles are placed, being more nearly related to the well known Colorado potato peetle (Chrysomela Ten-Lineata-Say.

It is alighly polished deep blue beetle abou three-tenths of an inch long, very conve above, and with the head sunk to the eyes i the forepart of the thorax. The under side of the insect together with the antennae are deep brownish-black, the latter lighter brown at base, and the legs are deep blue like the up mer surface of the beetle.

The blue is sometimes tinged with greenis especially on the Eletra.

This insect feeds on the leaves, eating in regular holes through them, and if as con mon on the vines as I have seen them, would do great damage to the plants.

They have a habit of folding up their leg and antennae and rolling from the leaf to the ground whenever the vine is disturbed, and seek a place of concealment, and if allowed quickly crawl into cracks or under clods from which they emerge and again attack the leaves, when the danger is past.

It is much more liable to attack the wild sweet potato than the tame species, and probably would eat other wild Convolvulaceae i they were placed upon them. If they would confine their depredations to the wild potato we would look upon them as friends rather than enemies, for a more tenacious and quick-

y spreading weed is not easy to find. Iu all probability, the use of paris green would be of great advantage where this inse is sufficiently numerous to be very destructive and in that case, the powder should be applie in the same manner as it is for the Colorad The cost of growing a forest need be but potato beetle, to which this insect is so near allied in movements.

PROFIT IN WHEAT GROWING.

EDITOR FARMER :- I have the pleasure are planted closer it will cost more, but it may First I give the result of the sowing of 160 more than pay in the extra value of the tim- acres. The ground was stubble and I plowed in March about the middle; sowed the same

on thd 21st and 22d. Ground	d in fine order.
ITEMIZED STATEM	ENT.
Plowing 16 acres at \$1.50 per acre	u\$24 ==
Harrowing 1 day man and team Drilling 1 day man and team	8
Us; of Drill 16 acres at 20 cents	6
Rolling 2 days man and team	3.20
Use of Roller 1 day	
Seed wheat 16% bushels at \$2	33
Harvesting and Stacking	
Threshing 6 teams, 12 men & do	y 33.80
Hauling 19% miles to market at	16.32
Total expense 201 Bushels of wheat sold at 95c	***************************************
Net proceeds for use of land	28 48

Second; sowing of 171/2 acres that was in corn the previous year, I cleared the stalks off

ы	The state of the s	e.
9	ITEMIZED STATEMENT.	
t	Drilling % days man and team	4
t	Rolling 1 day man and team	
l	Seed wheat 18% bushels at \$2 00	87
i	Harvesting and stacking Threshing	51 32
r	Hauling 19% miles to market, 215 bus	1000
1	at 8 cents	17
1	Total expense 215 bushels of wheat sold at 95 cents \$204 25 Nett proceeds for use of land	156
ŗ	Nett proceeds for use of land	\$47
•	\$204 25 \$	204
1	This was sowed the 28th and 29th da	VA

Severance, Doniphra co., Kan.

Potato Sugar.

The manufacture of sugar from fecula, or starch, is carried on to a great extent in France, and the process appears to be better understood there, than in any other country. The mode of proceeding is to have large leaden boilers, in which is one ton of water, heated to a boiling point, and to this twenty-one pounds of sulphuric acid, at sixty degrees, diluted with twice its weight of water is added. The vessel is provided with a wooden cover, coated with copper which has a small opening to allow the liquor to be stirred with a wooden rod. After the liquor begins to boil, eight hundred pounds of starch flour is gradually sitted into it, care being taken to prevent the formation of lumps and have the boiling uniform.

In some factories, the starch is first mixed (fep., Wm Royd & Co. also of New York West Verb.)

In the Prairie Farmer on wool for them of any consequence, even in Canada.

Lynch's Circular, above referred to, gives the wool for them of any consequence, even in Canada.

Lynch's Circular, above referred to, gives the whole clip of the United States at 174,700-100 lbs., and the total consumption during 1873 at 27,640,000 lbs. The Economist estimate as correct, the consumption for the year 1873 is over 200,000,000 clbs. The Boston Shipping List estimates the clip of 1873 at not much above 160,000,000 dlbs. Taking this estimate as correct, the consumption of 1873 at 27,640,000 lbs. The Economist says that we are now "short sixty millions pounds of wool to run our mills for the next six months, and where we are to get this from a seems a puzzle that worries economists and manufacturers alike."

In the Prairie Farmer of Jan. 24, are given be estimates from a Boston paper stating that the atock on hand (surplus the Farmer calls it) Jan. Is twas 125,484,007 lbs. Lynch's Circular of 60 close of the consumption of the vestimates are correct, the consumption of 1873 at 27,640,000 lbs. The Economist at 27,640,000 lbs. The Economist at 28,000,000 lbs. The Economist at

formation of lumps and have the boiling uniform. In some factories, the starch is first mixed with water, and placed in a vessel above the manufacturers both. The difference of 91,820, a life water, and placed in a vessel above the manufacturers both. The difference of 91,820, scribes five species of beetles that have been proven injurious to that plant,

He says that with the exception of the cucumber flea beetle (Haltica cucumeris) and a few solitary caterpillars, he has never found any other insect than tortoise-beetles on the sweet potato.

Last summer, and during the summer of 1873, I collected many specimens of a beetle, that I found, sometimes in considerable numbers, on vines of the sweet potato and also on vines of the wild sweet potato. (Ipomea pandurata.

This beetle is the Paria Viridicyanea—Crotch—and belongs to the same great family Chrysomelidae—but to a very distinct group.

and Amount of Seed Sown to the Acre. Per bush. No. of lbs.

	Clover Seeds all kinds 60 lbs.	6	to	10
83	Timothy 45 "	10	to	
u		14	to	28
3	1 cd Top 14 "	7	to	14
15	Orchard Grass. 14 "	14	to	28
in	Mixed Lawn Grass 14 "	14	to	42
	English Rye Grass		177	20
ol		32	to	64
re	Barley 48 "		(0.8)	96
1	Corn 56 "			7
'n	Corn (in the ear) 70 "			
	Irish Pot toes 60 "	10	to	15
p.				
	Sweet Potatoes (for seed) 45 "			
	Hungarian 48 "	36	to	48
h	Turnips 57 "		to	2
	Hemp 44 "	33	to	56
	Millet 60 "	40	to	50
r-	Flax 56 "	21	to	48
	Buckwheat	26	to	52
n-	Osage Orange (in nursery beds) 23 "			33
d	Rye 56 " 1	to	13	
u	Wheat 60 " 1	to	13	bu
	Onions		5	bu
	Tot Onion Sets 98 " 9	to	6	bu
8	Peas (Field)	to	2	bu
	Sorghum 42 "	-	3	lbs
е	Broom Corn 52 "		7	lbs
d	Beans 60 "	1	0	lbs
8	Beans (Castor)	2	3	lbs
١.	In order to make list of weights and measure	ires	3 C	om-
y	plete we add:	er l	ous	h.
	Apples (dried)		24	lbs.
١,	reaches (dried)		22	**
181	Cranberries		35	**
n	Green Apples		EA	44
е	Corn Meal		50	**
٠			50	44
	Barley Malt		34	**
1	Rve Mait		40	66
u	Corn Malt			**
	Peanuts, Dry Southern		22	**
	Lime		88	**
f	Stone Coal		80	**
1	Charcoal		22	4.
٠.	Split Peas		60	**
	Bran Upland Cotton Seed		20	**
1	Opland Cotton Seed		30	**
rj	Salt		50	**
J				10/
1				
- 1	mt - s' e vai			

The Number of Plants, Trees, etc., Required to an

	Distance.		Numb
ct	1 ft by 1 ft	and the second s	40
	11/4 by 11/4 ft		93
e	9 / by 9 /		19.
	2 ft by 2 ft		10.
α	1 4/9 IL DY 2/6 IL		A
0	3 ft by 2 ft		7
y	3 ft by 3 ft		,
y	A ft hy A ft		. 4.
	4 ft by 4 ft		2.
	5 ft by 5 ft		1.
	0 IL DY 6 IL		50500000
	DIL DY B IL		
	15 ft by 15 ft		
	18 ft by 19 ft		**
c	18 ft by 18 ft	**********	
I	20 ft by 20 ft	********	
0	20 IL DV 25 IL		
ú	40 ft by 40 ft		
9	and the second s		
e l		-	

All the evergreens (junipers excepted) may be sown dry or soaked in tepid water for twenty-four hours before sowing. Juniper seed will not germinate till the second year. As a rule in sowing, the covering of the earth should be

\$198.80 \$193.80 sowing.—Rural World.

farm Stock.

Our Consumption of Wool.—The consumption of wool in the United States is much larger than would be supposed by any one not familiar with the subject. The full returns have been made of the imports for 1873, and are arranged in a tabular form in the Journal of Commerce, and in some other papers. The first mentioned paper gives the total imports into the United States at 25,461,255 lbs.; Jas. Lynch of New-York gives the amount in his for various purposes on the farm. At from ten to fifteen years it will supply nearly all the wants of the farm for fencing and building purposes and valuable timber to sell, while at the tops of the trees will turnish fuel. At from fifteen to twenty and twenty five years it will make telegraph poles, railroad ties and timber for almost any use for which timber is needed. I have seen the profits of growing a forest figured at from \$100 to \$1,000 per acre, and it upon unreasonable profits in any business. It is safe to count upon reasonable profits in any business. It is safe to count upon reasonable profits in any business. It is safe to count upon reasonable profits in any business. It is safe to count upon reasonable profits in any business. It is safe to count upon reasonable profits in any business. It is safe to count upon reasonable profits in my business. It is safe to count upon reasonable profits in my business. It is safe to count upon unreasonable profits in my business. It is safe to count upon reasonable profits in my business. It is safe to count upon reasonable profits in my business. It is safe to count upon reasonable profits in my business. It is safe to count upon reasonable profits in my business. It is safe to count upon reasonable profits in my business. It is safe to count upon reasonable profits in my business. It is safe to count upon reasonable profits in my business. It is safe to count upon reasonable profits in producing anything that every body must have and that you can produce as cheaply as anyone else.

Growth in the Gradener's Monthly, I think you wrote as if you thought the roots of trees grew all winters in the Gardener's Monthly, I think you wrote as if you thought the roots of trees grew all winters in producing anything that every body must have and that the buds enlarged as the roots grew. I find no reference to this in Downing in the count of the motion to business and the whole im producing to the total timports at 25044,000 lbs. and the whole im ports in the total timpo

consumption of wool in the United States ought to be provided for by her own farmers. Soil and climate have fitted our country to be preeminently wool producing. The broad prairies at the West and South can produce clothing wool in any quantity if used for that purpose; and the valuable small farm near our large towns and cities can support profitably ten times the number of long-wool sheep they now do. In wool-growing, as in all other agricultural pursuits, the demand for first quality of product is always greater than the supply.—

Country Gentleman.

THE HOG-CROP OF THE WEST .- The Com-THE HOG CROP OF THE WEST.—The Commercial Bulletin gives figures compiled from returns from 389 points, showing that the number of hogs packed up to Jan. 24th, sums up 5,304, against 5,526,640 last season. The average weight this season is 151 pounds, against 166 pounds last season. The decrease in the total weight as compared with last is 116,465. The companies of that bee keeper of your acquaint total weight as compared with last is 116,465. The companies of that bee keeper of your acquaint acce, who has best "luck" with bees, whether 145 pounds. The yield of lard is 175,043,385 he keeps them in a "dead lion," or a moveable pounds or thirty-three pounds per hog. being companies. pounds or thirty-three pounds per hog, being comq hive. I adopted this a decrease of 46,022,215 pounds as compared and found it a safe one. with the yield last season.

DISEASES AMONG HORSES -The Lewiston Me., Journal says a peculiarly fatal form of lung fever is reported as prevailing among horses in the vicinity. Mr. L. L. Tracy of Auburn, lost a horse by some inflammatory disease. The animal was valued at \$250. few days since, the running Kentucky horse owned by Henrp E. Fitz of Minot Corner, died. The horse, we learn, was valued at \$1500. We hear of several other fine horses which have recently died—some of them, it is said, of a disease analagous to what is known among medical men as cerebro-spinal meningitis.

Tender Footed Horses.

3.560 3.660 3.890 3.890 3.520 3.520 3.520 3.722 3.742 3.742 3.742 194 108 70 40 27 An old man who had much experience in handling and dealing in horses for more than half a century, said to me recently that he had naria century, said to me recently that he had an ever known a horse to get tender footod that was kept loose in a shed and yard, or in a boxed stall. That turning around and treading with their forward feet in the manure keep them constantly moist and soft. His theory appeared perfectly reasonable to me. I have appeared perfectly reasonable to me. I have no box stalls, but I used shavings for bedding, and every morning with a large shovel. I moved the wet shavings under the horse's forward feet, and then the last thing at night cover these with dry shavings for him to lie on. He also remarked that he never knew a flat fored horse but whether the last remarked the stall herse her shade horse but shade herse her shade horse her shade herse her shade horse her shade herse her shade her s

not germinate till the second year. As a rule in sowing, the covering of the earth should be governed by the seeds; very light seeds require very light covering, and should be hand weeded the first season. All evergreen seed should be sown in beds and shaded either with cloth frames or brush shade. Larch seed requires the same treatment as evergreen seed.

Apple seed should be soaked two or three days, or every other day for a week. No. 3. Linseed oil, 1 pint. Spirits of turpentine, 1 or 2 tablespoonsful, ac days, pear seed three to six days, after which cording to see. Give every every other days, or every other days for a week. No. 3. Linseed oil, 1 pint.

Bee Culture.

For the Kansas Farmer

WINTERING BEES

BY ELLEN S. TUPPER

EDITOR FARMER: I notice in a late issue of your paper, that "More Anon," is inclined to oppose wintering bees in cellars or houses. Lest his views should find favor in the eyes of some bee keepers, I would like to refer all who may have read his article to the opinion expressed by the most successful bee keeper in the world-and also to the reports from practical men in all the Bee Journals, and at conventions of bee keepers, in all parts of the country. No one can read them, without feeling that the arguments are overwhelmingly in favor of housing bees in winter, under all circumstances.

It is not necessary to repeat the evidence here, but I would like to say, that after an experience of seventeen years, during which time my bees have been wintered in the cellar, I utterly deny the asertion that bees are less prosperous, after being kept in a cellar. On the contrary, my bees were always much more prosperous than those of my neighbors who kept them on their summer stands—and experiments which I have made, with colonies left out, while others of equal strength were housed, proved beyond a doubt, that it took at least a month of spring to put those left out in as good order, as were those taken from the cellar. Your correspondent's assertion, that "bees need pure air as much as other animals," is a queer one. Have pigs and calves the same nature as bees in any thing? Immagine pigs and calves hung up by the legs to secrete their lard and tallow, in the way bees secrete wax. Calves and pigs are not in a semi-torpid state all winter as bees are.

I have wintered from 10 to 260 colonies in the cellar, for seventeen winters, and the results have been perfect. True the fire destroyed all I had in one cellar last winter, but have put 160 colonies into two cellars again this winter, and expect to take them out in prime order in the spring. (I am much like the woman who on being told that she ought to put a curb round her well, or her children would be drowned—said, "Nonsense, no dan ger. I have lived ten years near that well, and never had but one young-one drowned in it.) I do not think it probable that I shall again lose my bees by fire-if I do, must "try again," But my last year's sad experience taught me, to divide the risk if possible; and I have my bees in two cellars four miles apart, this year.

As your correspondent evidently means me, though he gets the initials wrong-I would correct his impression, that I buried any valuable bees or queens last year. All my choice American cloth."

The fact then stands out very plainly that more wool is absolutely necessary to supply our manufacturers, and that there is every prospect that prices will be remunerative to the farmer for some time to come. The immense consumption of wool in the United States ought to be avoided for by her own farmers. Sail

> opoly of queens; but I do know, that never since Sampson found them in a dead lion, was aud found it a safe one.

Species of Bees.

Entomologists tell us that there are about two thousand species of apiara (bees.) How many of them are mere deviations from the same primitive type that produces our honey bee, we have no means of ascertaining. Of the honey bee proper (Apis), there are but a limited number of distinct kinds. Whether there is properly more than one species, naturalists have not determined. So far as I have seen any evidence, there is nothing to prove that they are not all of the same species, but in their diffusion over the earth they have met with different conditions, that have caused

WHAT is termed "luck" with bees, is only another name for careful and skillful management.—Rural Register.

Honey is not mades by the bees, but is simply gathered by them from the nectaries of flowers, and from that peculiar deposit on vegetation during summer called "honey-dew."-Dr. Kirtland.

In all cases of bee-stings, take out the sting frames or brush shade. Larch seed requires to age. Give it for three days, or every other the same treatment as evergreen seed.

Apple seed should be soaked two or three days, pear seed three to six days, after which they should be mixed with twice their bulk for a week. If No. 1 fails to effect a cure, aft for a week and placed where they will keep cool and moist or frozen, until time for sending mere resort, especially if the patient be a young-stern.

In all cases of bee-stings, take out the sting between the buse of the base of the sting between the thumb and finger, thereby forcing more poison into the flesh, but by the nail, knife, or something that will scrape it out; then moisten the parts stung with either of the known remedies and by trying the different seed.

Patrous of Husbandry.

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

It is requested that all Granges within the State report the names and postoffice address of their Masters and Secretaries, elected for the ensuing year,

Masters and Secretaries, elected for the ensuing year, to the Secretary of the State Grange, G. W. Spungkon, of Jacksonville, Neosho county, Kansas.

It is also requested that each delegation from every county report the names and postoffice address of the Masters and Secretaries of the Subordinate Granges of

mitted to Subordinate Granges in a few days. You can see then what they propose; discuss the question in your Grange and give us your

Cowley Co .- 1. You should ballot on every candidate for initiation, whether the committee report pro or con.

2. I hold we should confer, but one degree

published. The supplement to FARMER covers all the important resolutions that should action. be published.

try and catch up in a few days. The FARMER bers of our Order in the several counties. will have the State Constitution published as amended, by the time you get this answer.

ADDRESS

Of the Worthy Master, M. E. Hudson, Delivered at the second annual Meeting of the State Grange held at Topeka, Feb. 19-21, 1874

Patrons of the State of Kansas: Through the favor of Divine Providence we have once more assembled in this the second annual ses sion of our State Grange. We have come up here to take council together and I need not say to you this will be an important meeting; for I am well aware, that all are fully im-

them as representatives of our Order.

We are yet in our infancy; but our growth is rapid. The success we have had in planting and developing our Order, is without a parallel in the history of societies. Never before was the adage "In union there is strength," so clearly demonstrated as it is in the farmers' movement. Though as yet in our swadling clothes, our powe is being felt and recognized in the land. The giant hand of monopoly that has grasped so tightly the throat of labor, is already slackening its hold; and very soon, if we stand firm and united, and let wise councils prevail, we will succeed and come out more than conquerors, asserting our manhood, free and independent as God destined man abould be when the succeed and code out the careful consideration and rapid transaction of business. sound in we stand arm and united, and to we out considerable extend more than conquerors, asserting our manhood, free and independent as God destined man should be when he created him. But in order to accomplish the great object of our Order we must be prudent. Not too exacting, remembering that others have rights as well as our selves. And herelet me correct a false impression that prevails to a considerable extent among those outside of our Order, that we are waging war against other classes, and if we supposition without our gates will be imposed to accomplish the great object of our Order, that we are waging war against other classes, and if we should get the power we would encroach upon their rights, as we claim they have upon

ours. Not so; the farmers and working classes are noble and generous, and will not ask for themselves more than they are willing to grant to others. The cardinal principle of our order is equal and exact justice to all; special privileges to none. Hence we make no fight against railroads, banks, manufacturing corporations or other enterprises, as such, only so far as they discriminate against us, making us pay tribute to them to an amount wholly disproportionate to the comparative values of money and labor.

All we ask is equal protection with other interests; that labor may be made remunerative and honorable.

The growth of our Order since our last meeting has been very rapid; and the information from all sections of our state excites the admiration and wonder of its most sanguine friends, whillst those outside of the Order have

the Secretary of the State Grange, G. W. Spungeon, of Jacksonville, Neosho county, Kansas.

It is also requested that each delegation from every county report the names and postoffice address of the Masters and Secretaries of the Subordinate Granges of their respective counties at the coming meeting of the State Grange, on the third Wednesday of February next.

Topeka, Jan. 14. 1874.

See. State Grange.

TOPEKA, Jan. Neosho Co., in answer to your question, "In absence of Master and Overseer who takes the chair," I would say, a Pasi Master, if there is any present, if not, I should elect a Master protem. I do not know any authority to make the Steward Master, I should rather say Lecturer, as he out ranks the Steward.

2. Undoubtedly the Assistant Steward should take the place of and attend to the work of the Steward, in his absence temporarily, as it is his duty to perform the work belonging to his office, and assist the Steward. See Constitution, etc.

The Steward, in his absence temporarily, as it is his duty to perform the work belonging to his office, and assist the Steward. See Constitution, etc.

The Steward attends to the door not the Assistant Steward See Constitution, etc.

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The Steward attends to the door not the Assistant Steward See Constitution, etc.

The Steward attends to the is his duty to perform the work belonging to his office, and assist the Steward. See Constitution, etc.

The Steward, attends to the door not the Assistant Steward; that is a mistake. As you say, these questions do seem a little foolish sometimes, but then we must remember the work is new, and if we employ a laborer to work on the farm, we do not expect him to go ahead without any instructionss, so the only way to out is to ask.

3. The Executive Committee are preparing a plan of mutual insurance, that will be submitted to Subordinate Granges in a few days.

be able to keep our gates closed against those whose only interest consists in what they can make out of us. To admit such can only result in evil, and sow seeds of discord. sult in evil, and sow seeds of discord.

For us to decide what interpretation shall be placed upon the word "political" demands our serious and impartial consideration. That we are substantially a unit in the opinion that the Order should in no sense become a political es report pro or con.

2. I hold we should confer, but one degree, at the same meeting, but I understand this has been changed at the National Grange; will look up the matter and report as you request through the FARMER. You can get Council Constitution from John G. Otis, State Agent. The law is being changed in regard to Councils; doing away with Councils, and district and county Granges instead. See Amendments to National Constitution in FARMER. Read supplement carefully and you will find answers to questions you wish answered; if you cannot see it in that way, write again.

See decisions of Master and resolutions as published. The supplement to FARMER covers all the questions saw points and the same time there are questions that of the proposed are the same time there are questions at the same time there are questions that the opinion that the top Intention that the opinion t continually casting in our way to harmonious

I desire to call your attention to the busibe published.

J. A. Waterville.—You cannot fill out your dispensation, under any circunstances, after the Deputy has sent your application off; so if act the Deputy has sent your application off; so if act the resemble.

Agencies are being established in all the principal cities of the west, through which our products can be sold and supplies purchased at a very moderate expense. I hope our Subor-dinate Granges will take hold of this unitedly

dinate Granges will take hold of this unitedly and make our agencies a success.

I would recommend that article No. 25 of our Constitution be so amended as to prevent Subordinate Granges from receiving a petition for the degrees in our Order, from a person outside of their jurisdiction without permission of the Grange having jurisdiction. I am convinced that this rule should be strictly adhered to by our Subordinate Granges. Conconvinced that this rule should be strictly achered to by our Subordinate Granges. Considerable dissatisfaction already prevails on account of a misunderstanding of this section of our by-laws. I would therefore recommend this and other sections of our organic law, pressed with the responsibility resting upon that are to some extent ambiguous, be so revised them as representatives of our Order.

be 1 mm, be just, so that we may place our Order on an enduring basis.

The future progress, prosperity and usefulness of our order in Kansas, depends to a great extent upon our action at this session. The responsibilities resting upon us are immense. We are being strictly scrutinized from without any within course of the country, to see what branch of industry can bear a little heavier ment.

Taxation is grinding industry to the dust. Look over our state. See into each country

For the Kansas Farmer.] SOVEREIGNS OF INDUSTRY.

This Order, the first primary council of which was formed in this city on the evening of the

constitution.

It is claimed that "the Sovereigns will open a market and an outfit for the products of the stores and depots of receipt and distribution is wanted, the food had better be ground or where every thing may be had, from a needle to a steam engine, and by this means secure a more just and equitable distribution of the wealth which the members of the respective orders mutually produce.

The Council organized here was christened Topeka Council No. 1 of the State of Kansas. and the temporary officers elected are: Master. J. A. Polley; Overseer, J. Armstrong; Secretary, Nannie C. Polley: Treasurer, Sarah J. Duston; Lecturer, Sam. Dolman; Steward G. W. Spencer: Stewardess Rose A. Higbee; I. G., Tom. Welsh; O. G., Jas. Duston.

Gen. H. Cameron has charge of the work in give it his undivided attention.

The Friendship of Men.

satisfying as the profound good understanding work. The violent exercise of certain muscles which can subsist, after much exchange of of the legs, for instances, draws the blood from good offices, between two virtuous men, each the stomach and thus stop, or, at least, greatly

Topics of the Day.

RETRENCHMENT AND ECONOMY.

Sending to your subscribers a weekly supplement containing the doings of the state legislature, Mr. Editor, indicates two things on your part. First, that your desire that those who take the FARMER shall be benefitted thereby; second, that the farmers of the state shall know what their legislators are doing. For them your subscribers should be greatly thankful.

Information in respect to what our law makers are doing is what we all want; for watching their proceedings is the surest way a warm bran mash night and morning, in adto prevent their prescribing by law that which is wrong. People ought to learn that choosing public officers and representatives is not their whole duty. These need the watchful eye of the people to keep them in the way of right "Eternal vigilance is the price of lib-

Economy in expenditure and consequently in taxation, will be when the people demand it and watch over their officers and those in trust to see that it is made a principle of their action

Give a man power and call him to no account for his course, and he soon will come to act chiefly for his own benefit. "Salary grab" legislation is quite possible while finance com mittees look over the country, to see what branch of industry can bear a little heavier tra growth, in flesh and dairy qualities by the

We are being strictly scrutinized from without and within—our foes to make capital for themselves—our friends hoping and expecting much for the good of the Order. To this end, then, let us cultivate every virtue, improve every means of diffusing knowledge, interest and harmony among ourselves. And, brethere, that we may be benefited socially and and continue with an untiring diligence to guard well the affairs of our noble order.

It affords me much pleasure to be able to say, that since I have held the position of Master of your state, I have met with the most cordial co-operation of the officers and members, thereby lightening my work, which other the say of the say of the heart of the officers and members, thereby lightening my work, which other the say of the least of the officers and members, thereby lightening my work, which other the say of the least of the officers and members, thereby lightening my work, which other the say of the least of the officers and members, thereby lightening my work, which other the say of the least of the officers and members are said the say of the least of the officers and members, thereby lightening my work, which other the say of the least of the officers and members and the said of the officers and members are said the say of the least of the officers and members are said the say of the least of the officers and members are said the say of the said of the officers and members are said the said of the officers and members are said the said of the officers and members are said the said of the officers and members are said the said of the officers and members are said the said of the officers and members are said the said of the sai think it to his advantage with seventy-five thousand to make him a new home in Califor-

For the Kansas Farmer.

nia or elsewhere.

why we had not answered your letter (as well a local agent selected by the council take as forty others) promptly; however, we will charge of the commercial interests of the mem-with the right, a healthy system and a sound by keeping in a healthy tone.

In the case of cows for dairy purposes where the greatest possible flow of rich milk thereby be hrd.

To have animals always healthy and vigo rous, there must be a variety of food given them. Green food and vegetables if possible, also salt in small quantities often, in place o an overdose once a week or less often. This over salting at long intervals, causes the animal to drink so much cold water as to often injure the health if not to endanger the life.

Winne deprecated the idea of with holding grain from stock when they need it, because it will bring a good price, and over feed them at other times, because it can not be sold for the state south of the Kansas River, and will much. A frugal farmer would try to save all the more when the price is low, Asked if driving soon after feeding dose not have a tendency to give horse the colic.

Detmers, in the art of digestion the blood I KNOW nothing which life has to offer so is drawn from the extremities to aid in this

Thought corn made fat, oats and barley muscle. Did not consider bran worth much for any other than a sick animal.

In Germany, a substantial and well to do farmer, usually kept a span of heavy geldings as roadsters, and a pair of brood mares for raising colts and general farm work. Here where there was not much mud, a light span might take the place of the heavy geldings

Campbell, was feeding a cow for milking purposes, had tried corn meal in its raw state, with bad results, as she failed to assimilate it, had then cooked or scalded it, before feeding, and now had a fine flow of milk.

Marlatt, had been accustomed to wean the calves and suffer most of his cows to run dry soon after frost in the fall. One or more of the herd was usually selected out and fed dition to the usual feed of hay and nubbins, and these gave a plentiful supply of milk and butter for family use through the winter, as well as at other times. Had selected this winter, one of his most indifferent looking animals having her first calf, because of her gentle and kindly disposition. At first she gave but a pint of milk per day, but soon increased to a gallon, and that too with an extra cost in feeding of no more than twenty-five cents per week. Three or four others of like age and more promising as milkers, might just as well been fed in like manner, with but little additional labor, and been made to afford a profit of as many dollars per week, to say nothing of the advantages to the cows themselves, in exextra care and feeding. In thus choosing from the general herd, for dairy purposes in winter, care should be taken to select such as have a tendency to increase their flow of milk when fed, rather than to dry up, and take on

W. MARLATT, Cor. Sec.

LAW versus, DOGS.

BY NOAH CAMERON

"A live dog is better than a dead lion," and many dogs have got more sense than law makter of your state, I have met with the most cordial co-operation of the officers and members, thereby lightening my work, which otherwise would have been truly enormous.

I am fully aware that the honor was unmerited, that the duty imposed could have been much more faithfully discharged by others among you, but it was thought proper to entrust for a while the affairs of the Patrons of the state of New York, some men, lacking good dog sense, opposed a bill to tax all dogs three dollars per head. The sheep in convention assembled, had sent fair competence for life, I really think office is worth all the expense, scrambling, and political was to make wool growing profitable. Sheep that the way hands and since it has been the country that men use to obtain it. Holding and dogs "are natural enemies" we are told, the sheep don't bits the dog, the dog. ers. In the legislature of the state of New York, trust for a while the aftairs of the Patrons of this State to my hands, and since it has been my lot to act as Master, I have discharged the duties to the best of my ability. If I have erred then in the performance of any duty, attribute it, if you please, not to an unwillingness to abide by the constitution and by-laws of the ness to abide by the constitution and by-laws of the constitution and the constitution bleaching upon its arid plains; but wool will not grow on dead sheep, and to make Kansas a wool country something else must be done. Well it is proposed to grow it by law; law in these days of communism is the all potent power to move every thing, (backed by capital) but the queerest thing of all is that we have not yet arrived at that common sense standard of intelligence to know that an industry that can not thrive without being borne up and carried along as a burden upon other industries might better not live at all. Now a tax on dogs per capita would be in effect the same as to tax men per head so much to go as a bounty to wool growers. A tax of this kind would not only be un reasonable, but it would be unjust and unconstitutional. When you step outside of the regular mode of levying taxes, as to valuation, you only had 10 names when you organized it must remain so, and all coming in after-ward, must pay the regular fee of five dollars, so please call the attention of your Grange to this matter, as any infringement of this rule will have to be looked after.

The State Grange settled some of these questions plainly, so please have the decisions of Master and resolutions in supplement read in your Grange, and let the above and other questions fully answered, be settled foreer.

R. R.—If you knew how busy we had been at the State Grange, you would understand why we had not answered your letter (as well as forty others) promptly; however, we will as for its object the through or first object the union of the working classes of every trade, and occupation, who in any way contribute the union of the working classes of every trade, and occupation, who in any way contribute to the substantial wealth of the state. It has the endorsement of Worthy Lecturer, T. A. Thompson; Worthy steward, A. J. Winne in the clair.

The question of the previous meeting "The trade of feeding and taking care of the trade of feeding and taking care of the growing, taxes, as to valuation, and tax any dog that is worth five dellars three, the union of the working classes of every trade, and occupation, who in any way contribute to the substantial wealth of the state. It has the endorsement of Worthy Lecturer, T. A. Thompson; Worthy steward, A. J. Winne in the clair.

The question of the previous meeting "The previous meeting "The trade of feeding and taking care of the growing, the previous meeting "The previous meeting "The previous meeting "The previous meeting "The variety of the meeting of the most respected members of the most responsible. It is regarded with the union of the working classes of every trade, and occupation, who in the c

Letter from Burlington.

BURLINGTON, KAN., FEB 14, 1874. EDITOR FARMER:-In compliance with yours of Feb. 12, I have the honor to report the foll lowing grange organized by me: Indian Hill Grange No 720, John T. Lawrence; Master, P. C. Hisenger; Sec. Valley grange No 736, J. A. Kenedy; Master J. M. Kite; Secretary, Union grange No, 807 John F. Jones Master, J. Manley; Ssecretary, Wolf Creek grange, A. W. Jones Master, Mrs. E. A. Page; Secretary.

Accept thanks for the KANSAS FARMER you sent me. We are getting up a club for the FARMER; expect to have a club of 25 and more soon. There are 13 Subordinate Granges in good working order in Coffey county, and others will be organized soon. We expect to be thoroughly organized in this county during the coming summer.

P. BRANDON, Dep. for Coffey Co.

Letter from Iola,

IOLA, KAN., February 20, 1874.

The Kansas Farmer.

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

TERMS: CASH IN ADVANCE.

One Copy, Weekly, for one year, One Copy, Weekly, for six months, Three Copies, Weekly, for one year, Five Copies, Weekly, for one year, fen Copies, Weekly, for one year,

ADVERTISING RATES:

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

SPECIAL RATES FOR LARGE CONTRACTS

In the Breeders', Nurserymen's and Seedmen's Directo-ries we will print a card of three lines for one year, for \$5. This will give a circulation to the card of nearly 200,000 cop-ies 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, Pomona, Kan.
MRS, CORA M. DOWNS, Wyandotte, Kan.
"JUNEBERRY," Wyandotte County.
MRS, M. S. BEERS, Shawnee County
MRS, SOULARD.
"RAMBLER."
"RETTY BADGER." Freeport, Pa.

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, Lanc, 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, PROF.
SNOW, PROF. KEDZIE, Prof. MUDGE, and host of
other valuable contributors, who will assist in giving the farmers of Kansas a paper not equalled in
the country for originality and merit.
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 TEMPERANCE MOVEMENT.

'The great temperance movement is steadily increasing in power and importance and will probably with more or less force reach every state. The women of the land whose long suffering from the wrongs and burdens which ment in this paper of a herd of pure-bred the liquor traffic entails upon them, is one breed of pigs kept on the farm bearance, have at last asserted their con- where this herd has been the past three victions upon the subject of selling years, and great care been used to prewhiskey. We do not for a moment vent the stock from mixing or degenercounteance or uphold a mob law, but ating, the sale will no doubt present we shall always sustain and encourage every kind of honorable warfare against manufacturing and selling liquor. No city, county, state, or nation will ever Yards, at West Kansas City. uphold a stringent temperance law until public sentiment sustains it. Kansas today, has a better temperance law than the sentiment of her citizens will sustain. If this tidal wave shall make a more healthy sentiment, make the manufacturing and sale of whiskey a are offered at the lowest rates. positive social disgrace, it will make more stringent laws possible, and accomplish great benefit for our state. We say to the good women of Kansas, if you can do good in this movement without the aid of mob law, we wish you God speed.

THIS WEEK'S PAPER.

The address of Prof. S. T. Kelsey, "Forest Trees for Kansas Prairies," is the result of many years practical experience and close observation, and is well worth preserving by every farmer. In our Agricultural Department will be found our young friend Popetoes," and important and valuable tables. Mrs. Tupper so widely known as a prac-stock for sale. See terms. tical and skillful Apiarian, now publishing American Bee Journal, contributes an article on wintering bees. Mr. Popenoe continues his Chats with Patrons. The THE FIRST DEFENSE OF THE GRANGES IN address of Master M. E. Hudson before the State Grange at the late session in Topeka, will be found well worth a correspondents, making in all a number which as yet are not popular among equal to any issued. For our next number we have many good things in store fairs. for our readers, and shall strive by the The report of this speech comes to us help of all the members of our big fami-as we go to press, and we have not room ly to give an entertaining and useful for extracts from it, as we wish we had.

BLANKS FOR GRANGES.

We shall publish by the 10th of the present month, a new and uniform system of Blanks and Cards, including every kind now in use in Granges, and

plify and cheapen in cost those forms especially those without railroad comwhich are necessary in doing business of the Granges. Price Lists will be forwarded to all Granges in the State. Do not order your Blanks until you have examined the new Kansas Farmer rule adopted by which the actual exstyles and the low prices asked for the constant of which are necessary in doing business munication were compelled to come at a

THE PATRON'S HAND-BOOK.

A Valuable Work.

of the kind yet issued in the country.

It will contain a short history of the Patrons of Husbandary.

Constitution and By-Laws of the Naments made at the last session of the National Grange at St. Louis.

Declaration of Purpose of the National Grange.

the session of 1874, at Topeka:

Rules of Order of District and County Granges: Also, Recommended Form of Consti

Granges: Also, Manual of Practice, as as revised by the Executive Committee of the State

Grange; Decisions of the Master. Explicit and full directions to those or ganizing Granges, and a Directory of the National Grange, Kansas State Grange,

and the County Granges. This will be the most comprehensive will be of great value not only to every official of the Grange, but also to the entire membership.

This work will be sold from the office at \$20 per hundred, \$3 per dozen, or 25 us new ideas and plans before the month cents each, and will be ready to forward comes around. You have exactly filled this to Granges sending their orders by want so long felt, with your noble weekly; our March 10. Send in your orders at once, address them to.

J. K. HUDSON, Editor and Proprietor Kansas Farmer.

BERKSHIRE PIGS AT AUCTION.

Attention is called to the advertiseinducements to buyers not often found any other lover of choice fruit to call and taste in the west. The sale will take place March 12, 1874, at 10 A. M., at the Stock

HEDGE PLANTS.

Among our advertisements will be found that of Mr. Luther Palmer, of To

NO SUPPLEMENT THIS WEEK.

We shall give next week a supplement containing the full Legislative proceed- blessings than the noble tiller of the soil. ings not included in our last week's issue Our readers may rest assured that they lature will adjourn within two or three days, we deemed it advisable to give the ers. We are already reaping the fruits in reentire report in one supplement, saving two supplements.

A correspondent asks where he can get the genuine Jeruselem artichoke. Who has them for sale? The FARMER noe's "New Enemy to the Sweet Pota- is the medium in which to advertise all Paul's injunction "owe no man anything." kinds of stock, farm, seed and nursery

HONOR TO WHOM HONOR IS DUE.

CONGRESS

the first open and avowed espousal of course this does not pay, for after paying sheep an equal chance with dogs. As it now careful reading. A short description of the first open and avowed espousar of the great western farmers movement our high rates of taxes there is not stands, our laws discriminate in favor of dogs the Patrons of Industry. Under "Topics came from a Kansas congressman. On half enough left to pay store bills; therefore, and against sheep, for sheep are taxed like of the Day" will be found a variety of papers. Editorial notes, Scientific and News Cobb, of Kansas, in a bold and manly Columns, New Laws, etc., will be found worth looking over. 'In the Domestic and Literary Departments," will be found contributions from several of our also foreshadowing political reforms

We shall give a portion of this speech next week.

EXPENSES OF DELEGATES ATTENDING STATE GRANGE. ETC. ETC.

Our idea has been to systematize, sim-delegates who came a long distance,

gate not subjected to loss. This and county saved the tax necessary to pay the other subjects will be fully discussed bonds and interest. in the future by the Farmer. We believe It is bad enough to vote bonds for truly pub-Which should be in the hands of every that a full consideration of important lic uses, as school houses, court houses, bridges Patron who wishes to be well informed. measures likely to arise at the meeting of etc., and we ought to consider well before vot-The KANSAS FARMER compilation will the State Grange should be given in the ing these. be the most complete and valuable book Subordinate Granges. Upon the whole I fear we have a mania for large fine school subject of representation and eligibility houses in very thinly settled districts, because tion Grange, and Recommended Amend- privilege of rising to explain whenever expire, and you will find out it is hard to raise der to do likewise. The columns of the only say, build your school houses according Also, Constitution and By-Laws of the discussion of all questions of interest of debt. Kansas State Grange, as amended at pertaining to farmers and farming, mechanics and laborers. We have no Also, Recommended Constitution and narrow rule demanding that contributors shall write in accordance with the is a bigger institution than that. tution and By-Laws of Subordinate

Correspondence.

HILL SPRING, MORRIS Co., KANSAS. Eebruary 8, 1874.

EDITOR FARMER:—I have intended to write to you every mail to congratulate you on, and work of the kind in the country, and to thank you for your "new departure," as it is just what we farmers want. The month ly was first-rate, but we get hungry for reading, for something to cheer us, for something to chide us to our duty and something to give hearty wish is that you may be able to con-

We have had a very mild winter thus far, although we have about a foot of snow now still it is not cold.

Stock is going through the winter very well. Many are very short of feed, having lost it by the fearful prairie fires last fall, and to such the mild weather is a great blessing.

The prospect for fruit next season is very good now; the dry weather of last fall gave the new wood a good chance to ripen, and the buds are all alive to date. We have a fine peach orchard, the best in the country and we hereby extend a hearty invitation to you and it this season.

I would like to say just here to those con emplating setting small fruit, that we have tried several kinds of blackberries and find the best to be the Kittatinny, it is a strong, upright grower a generous bearer of the sweetest finest berries, will not winter-kill; -the main point, while the Lawton is a poor grower, a shy bearer of small sour berries. therefore, for Kansas farmers I recommend the Kittatinny and urge them to plant a good large patch, as nothing is so comforting after a hard day's work as a generous dish of berries and cream. Who more deserves nature's

The farmers are nearly all grangers and the rest will be as soon as they can raise the neces shall get the full reports. As the Legis-sary funds. I am fully convinced the order will work to the ultimate good of the producduced prices. Our merchants have discovered the very considerable expense of issuing that they can sell goods for less than 30, 50 and 100 per cent. profit, and have grown suddenly willing to pay us something near St. Louis prices for our produce. So I say let the granges keep on in the good work, be very careful not to overdo any good thing so as to create a reaction. Let me urge on all farmers

I tell you that has been the rock on which been urged by merchants and others to buy

wheat, etc., will be ours, for we owe nothing. ages. Then we can sell for cash to the highest bidgroceries at wholesale rates and be happy. Again I say, don't run in debt.

Now, about taxes. I am glad to see so much in your paper on the subject. I like the semiannual plan very much and would urge our journ, if they want to grace the hall again. Grange at Topeka. We, the people of Kansas, want to step voting bonds for every thing that turns up. It is appaling to think of the amount of bonds we have got to pay now, and still they want more. It is very easy to vote them, but the raising the tax money by January 10, is another We intended last week to speak of an thing. We voted down a proposition January gotten up with more system, economy injustice done the extreme western mem- 28, to reissue \$30,000 of Morris county bonds, and typographical beauty than any- bers who attended the State Grange a part of the proceeds of the sale of \$165,000 ER for the last four years, first it came to me thing yet presented to the Granges of which we hoped to see righted before stock in the M. K. and T., railroad to aid the monthly, then semi-monthly, and best of all

shaft which is down 315 feet.

to office, we have some ideas to present forsooth, there is railroad land in the district. in the future. As a high private in the Remember these bonds must be paid, and your army of Patrons, we shall claim the homesteads will be taxable before the bonds 'the spirit moves" us so to do, and we tax money. Do not understand me as saying tary. ask the live earnest members of the Or- a word against education, far be it from me. I FARMER are open to a broad and liberal to your needs, vote bonds slowly and keep out Yours truly,

FARLAND, KAN. Feb. 24th, 1874. EDITOR FARMER: Although not a subopinions of the editor. The FARMER scriber for the FARMER, I am a reader, and am friend in a previous No. of the Farmer tells much interested in it; and I think we will oon get up a club for your paper, as we have a Farmers Union organized here, and of a Grange, but meet with opposition from sources we would scarcely expect; for in the simplicity of my nature, I believe in all sincerity, that the object of Patrons of Husbandary, through the Kansas Farmer, or some other aggrandizement and high position, but an outburst of honest patriotism, and christian philanthropy, in earnest zeal to remove the poverty, degration and ignorance, which are in reality and in truth, the sole cause of the and condescending as to tell us what trees are vice, crime and misery which exist in our the hardiest and what the best bearers, and

Now it seems to me, that one of the most important principles to establish in the character of individuals is truth and sincerity; one escitizen, and a good neighbor; and if intelli. ers planted, but as I am a new settler in Kan of the early christian fathers thought it justiand listen with all ears open. fiable to lie to promote the interests of the Abilene, Dickinson Co. church. Now I most sincrely hope that it may not be thought necessary in either Grange, Club, or other social organization for the improvement of our race, to advance their interests by so mean and despicable an act. I a medical almanac. Have not been a reader I think I know what I am saying, when I say, of it of late years. that lying (with some at least), is almost as common as breathing. I believe that Dr. Wm. Paley, in his philosophy of religion, allows to get up a club on your "hard pan" offer. lawyers some latitude in that respect; can'tibe, that we are all lawyers?

Now I am one of those who fully believe, that the time will surely come, when ignorance, and as a consequence, all its concomitant evils should cease to exist; virtue, purity, peace and good will reign in its stead, and frain telling you how I save my trees. I mix that all mankind will blend in one universal sulphur with soft soap, one pound of the forbrotherhood and sisterhood; and while Unions and Granges are laboring so earnestly for so glorious an era, woman must and will act a most conspicuous part.

WM. B. GREER.

PAVILION, KAN., Feb. 12th, 1874. EDITOR FARMER: I herewith send you a few notes from this part of Wabaunsee coun-

Winter-wheat though not killed, is to say the least, badly injured, but the heavy coating of snow which we have had of late, is

thought to be beneficial. As evidence of improvement in finance, notice an inquiry for and a disposition to pay cash for steers.

There is considerable old corn in this vicinity and some new for sale, but with an unwillingness to feed out at present prices.

Stock generally doing well; work horse looking better than usual.

Not quite as many hogs are being wintered so many of us have broken—debt. We have as usual, but a better quality is sought after. all we wanted, and at high, very high prices, have more sheep, we must have less dogs. It with one per cent. a month interest, compound is a shameful fact, that Wabaunsee county ed every month, to be paid for at harvest time has about as many dogs as sheep, and this when our corn was gathered, our hogs killed, state of affairs is likely to continue until our We are glad to be able to note that at their prices for these various articles. Of legislature enacts some law, at least, giving I say let us do without tea, coffee, sugar, to other property, while dogs go free. If this bacco and every unnecessary luxury, until is not class legislation, it certainly belongs to harvest is all gathered in, then our corn, hogs, a class of legislation coeval with the dark

> Fruit prospects good. Seedling peaches der, take the money, buy our year's supply of not injured, budded more or less injured, according to kinds. Crawford's late and early, are two third killed; some others nearly as bad. Hale's early, all right.

Granges are being organized all over the county; the Masters met last week at Alma, legislature to pass such an act before they ad- and elected delegates to attend the State

Lyceums throughout the county are discussing the Grange question in all its bearings. H. A. STILES.

WASHINGTON, WASHINGTON CO., KAN. February 2, 1874.

the Grange adjourned. Many of these Council Grove Coal Company, to complete their changes it now comes with a new dress, and in the shape of a weekly, which I am proud of, While we want coal developed in Morris it being filled with so much practical reading.

Our Worthy Deputy, A. J. Palmer, organized on January 23, Ridle Creek Grange, 28 members. Henry Aukerman, Master; Wm-Hoffkins, Secretary.

On the 24th, Mill Creek Grange, 30 mempers, Wm. Wooding, Master; W. H. Johnson, Secretary.

On the 26th, Maple Wood Grange, 19 mempers; E. K. Wolverton, Master; R. B. Briggs,

On the 27th, Liberty Grange, 30 members; P. K. Brown, Master; J. A. Palmer, Secre-

We are wide awake in the Grange in this part of the state.

I wish you success in your undertaking. Yours fraternally, L. P. DEWEY.

EDITOR FARMER.-I have the planting of n orchard in consideration and would like a little information through the Farmer. A us to plant such varieties as are known to succeed in Kansas orchards, and tells us, if we course need it. We are also trying to organize I am in a new settlement and don't know of a don't know, to learn of some one who does. bearing apple tree in the whole neighborhood.

> paper, what varieties do best in Kansas orchards we will have to depend on our own judgment entirely. There are, I think, farmers in the eastern end of the state who have bearing orchards. If some of them would be so kind which apples the best keepers, from their ex. perience, it would help many new settlers in this state.

tablished in that principles, will be a good planted several orchards, and seen many oth I have lived on a farm for 35 years and have gent, a safe friend and wise counsellor. I sas, if I can hear any one saying what varieties think it is Moshiem who informs us that some succeed best in Kansas orchards, I will sit still

> EDITOR FARMER:-I am an old settler. I was a subscriber to the FARMER the first year

> The two numbers sent me have set me up with the FARMER again, and I am now trying Every one that sees the FARMER wants it, but we are not through paying taxes here, and even \$1.00 is hard to raise, I hope to succeed however, in getting up the club.

I see and hear of so much damage done young orchards by rabbits that I cannot remer to about three pints of the latter, and apply with a cloth or an old paint brush. I have used this remedy for three years in a locality where rabbits are abundant. My plan to secure perfect safety is to go over the trees in the fall and again about the first of February. I am led to believe from actual experience, that this treatment of young trees is worth more than the same expenditure of labor and money in any other way, whatever.

I have reduced in this way the depredations of the "pesky" bore; more than ten fold.

This I have proven by applying the mixture to only part of my peach trees and noting the result.

Try it, brother orchardists, try it and see what a remarkably healthy looking bark and vigorous trees you will have. There is no etter remedy for lice or other bark insects,

I have something more to say-but you like short letters so I will desist for the present. Yours truly, J. B. HODGIN. Oswego, Labette Co., Kansas.

For the Kansas Farmer.1

MONTHLY WEATHER REPORT.

SIGNAL SERVICE, U. S. ARMY, LEAVENWORTH STATION, Mar. 1, 1874. TABLE

Showing Daily and Monthly Mean of Barometer and Thermometer, Monthly Velocity of Wind, prevailing Direction of Wind, and Amount of Rainfall for the Month of Fel riary, 1874:

DATE.	BAR. Av.	TH. Av.	HUMID.	RAIN.
1 Sunday. 2 Monday. 3 Thesday. 4 Wednesday. 5 Thursday. 6 Friday. 7 Saturday. 9 Monday. 10 Thesday. 11 Wednesday. 12 Thursday. 13 Friday. 14 Saturday. 15 Sunday. 16 Monday. 17 Tuesday. 17 Tuesday. 18 Wednesday. 19 Thursday. 21 Saturday. 22 Sunday. 23 Monday. 24 Saturday. 25 Wednesday. 26 Friday. 27 Friday. 28 Monday. 29 Sunday. 29 Thursday. 20 Friday. 21 Saturday. 22 Sunday. 23 Monday. 24 Tuesday. 25 Wednesday. 26 Thursday. 27 Friday. 28 Thursday. 27 Friday. 28 Saturday.	30 : 29 30 : 22 30 : 23 30 : 47 30 : 18 30 : 06 30 : 34 30 : 34 30 : 44 30 : 44 30 : 44 30 : 64 30 : 94 30 : 64 30 : 6	22 21 27 27 27 28 28 29 25 30 30 30 30 30 30 31 31 31 31 31 31 31 31 31 31 31 31 31	74 76 65 77 72 86 67 72 83 81 83 81 83 65 65 71 66 67 72 66 67 73 67 74 67 75 67 76 67 77 88 88 88 88 88 88 88 88 88 88 88 88	· 24§ · 26§ · 09§ · 06§ · 03§ · 16§ · 09§
Monthly Means	30 11	28.8	72	1.85

BY AUTHORITY.

[Published Wednesday, March 4, 1874.] AN ACT

To change and vacate portions of a certain road in A len county, Kansas.

Be it enacted by the Legislature of the State of Kan

[Published Wednesday, March 4, 1874.] AN ACT

Relating to killing or wounding stock by railroads. Be it enacted by the Legislature of the State of Kan

Section i. Every railway company or corporation in this state and every assigned or lesses of such company or corporation is this state and every assigned or lesses of such company or corporation shall be liable to pay the owner the full value of each any [and] every animal wounded by the engine or cars on such railway or in any other manner whatever in operating such railway irrespective of the fact as to whether such killing or wounding was caused by the negligence of such railway company or corporation, or the assigned or lesses or not.

Sec. 2. In case such railway or on any or corporation or the assignee or lesses thereof shall fall for thirty days after demand made thereof shall fall for thirty days after demand made thereof such animal or his agent or attorney to pay such owner may sue and recover from such railway company or corporation or the assignee or lesses thereof the full value of such animal or damages thereto together with a reasonable attorney's fee for the prosecution of the suit and all costs in any court of competent jurisdiction in the county in which such animal was killed or wounded.

Sec. 3. The demand mentioned in section two of this act may be made of any ticket agent or station agent of such railway company or corporation or the assignee or lesses thereof.

Sec. 4. In all actions prosecuted under this act it shall be the duty of the court if tried by the court, or, jury if tried by a jury, if the judgment or verdict be for the plaintiff to find in addition to their general dadings for plaintiff the amount if anything allowed for an attorney's fee in the case.

Lasc. 5. This act shall not apply to any railway company or corporation or the assignee or corporation or the assignee or lesses thereof.

this act may be made of any titche agent of ander allows company or corporation or the search ralleys company or corporation or the search ralleys company or corporation or the search and the state shall be the stay of the cent if tried by the court, or the plaintiff the amount it anything allowed for an impair or corporation or the sagines or lesses thereof the state of the stat

pay a larger sum than herein specifically appropriated.

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

Approved March 4, 1874.

I. W. II. 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 seel of state. Done at Topeka, Kansas, this 4th day of March, A, D. 1874.

W. H. SMALLWOOD,

Secretary of State.

\$100 to \$200 per month guaranteed to agents
STRUCTIBLE WHITE WIRE CLOTHES LINES.
Sample free. Address the HUDSON WIRE MILLS, 128
Maiden Lanc, N. Y., or 18 Clark st., Chicago, Ill.

Scientific Miscellany.

THE Popular Science Monthly, in an excellent obituary of Agassiz, has the following on his views of the all absorbing modern doctrine of

To change and vacate portions of a certain road in Allean county, Kanass.

But the macted by the Legislature of the State of Kanas, as:

Secretor 1. That all that part of a certain county read in the county of Allen in the state of Kanass, (which was ordered to be opened on the 10th day of October, of Section titry three, in the state of Kanass, (which was ordered to be opened on the 10th day of October, of Section titry three, the introduct of Section titry three, the normality tender, the normality tender, the normality tender, the normality tender, the household of the state of Section titry three, the household of the state and interpretations of nature, which investigates and state that the state of the state of the state of Section titry three, the household of the state of the sta

Cure for Chilblains.

Care for Chilbiains.

These painful pests can be entirely removed, according to a writer in the Apotheker Zeitung, by making use of an aqueous solution of iodine and tannin. About an ounce of tannin is dissolved in half a pist of water; seventy-four grains of iodine are dissolved in an ounce and three-fourths of spirits of wine; the two solutions are then mixed, and enough water is added to make up the whole to two and a half pints. The remedy is applied once daily, the best time being before going to bed. The mixture is gently warmed over a very slow fire; the affected part (as the hand) is dipped in it while still cold, and held there until the liquid, on being stirred, feels uncomfortably hot. The vessel is then removed from the fire, and the hand is dried over it, without gloves. The vessel used must be of earthenware or porcelain, not of metal. Care should be taken not to use too great a quantity of iodine, especially when abrasions are present. Four or five applications are usually sufficient.

How about Your Food?

A writer in a foreign paper thus takes off American, and more especially, Western cook-

of this Nursery offers 200,000 No. 1 Apple Root Grafts more. more are taken in one iot.

or retail, Nursery Stock of all kinds very low. Senter catalogue and price list.

E. R. STONE,

General News.

Important Decision.

The Attorney General has decided that ale forfeited to a State, and taken before the United State tax is paid from the manufacturer by the process of the State Court seeking to enforce the forfeiture, cannot be seized by the United States officers for the non-payment of said tax while it remains in the custody of the State officers. He has also decided that the phrase "State banking association" in section of of the act of March 3, 1865, providing for a tax of ten per cent upon State circulation, includes all associations for banking by private agreement of parties as well as an association organized by a special act of the State Legis.

GRAIN MARKET.

THE Times says a telegraphic dispatch was received at Cape Coast Castle, on the 25th of January, from the expeditionary force, announcing that Coomassie, the capital of Ashantee, had surrendered to General Sir Garnet Wolseley and that the King and his femily. tee, had surrendered to General Sir Garnet Wolseley, and that the King and his family were prisoners.

A treaty of peace has been signed by General Sir Garnet Wolseley and the King of

THE Massachusetts Supreme Judicial Court has decided affirmatively the following question referred to it by an order of the Legislature: "Under the constitution of this commonture: "Under the constitution of this common-wealth can a woman be a member of the school committee?" The Court holds that the constitution contains nothing relating to school committees, and that the common law of Eng-land was our law upon the subject, permitting a woman to fill a local office of an administra-tive character, the duties attached to which were such that a woman was competent to perform them.

STATE OF THE FINANCES.

The public debt statement shows a decrease during February of \$2,590,087. Coin in the treasury, \$8,588,153; coin certificates, \$40,569,800; currency balance, \$3.727,754; special deposits of legal tenders, \$50,380,000; outstanding legal tenders, \$382,000,000.

KANSAS LEGISLATURE.—A session of the House was held Tuesday evening, at which the consideration of the Committee on State Affairs impeaching Mr. Hayes was made the special order. The session was a very exciting one and much feeling was evinced. Mr. Mason, of Franklin county, made the principal speech in its favor and J. W. Taylor, of Leavenworth, against it. R. B. Taylor and Mr. Reasoner against impeachment, and Messrs. Stout, Mead and Porter in its favor. Various amendments were made for a vote of censure and favoring resignation, but were all defeated by a large majority. The resolution of impeachment was adopted by 74 to 20.

During the debate on the Hayes impeachment case, there was sharp sparring. Mr. Taylor, of Wyandotte, charged Horton with advising Hayes to purchase Atchison exchange. Mr. Horton denounced the statement as false and malicious. KANSAS LEGISLATURE.—A session of the

and malicious.

THE MISSOURI STATE GRANGE Adjourned on the 24th of February. The assemblage was a large one, and the cause is reported in a most flourishing condition in that State.

The Colorado State Grange met on the 23d at Boulder City. It was an adjourned meeting but was well attended.

Zine Mining in Kansas.

The mining interest in our county and vi Be it enacted by

Section 1. That the sum of seven thousand dollars in the Treasury not otherwise appropriated ont of any moneys in the Treasury not otherwise appropriated for the dipurpose of paying for the publication of the amendment of the constitution submitted to the electors in the year 1873.

Sec. 2 The Auditor of State is hereby authorized Sec. 2 The Auditor of State is hereby authorized and sixty acres of superior coal lands, owned by the company, and within easy reach of the Fort Scott and Gulf road on the west and the terminus of the Menphis, purpose of paying for the publication of the amenument to the constitution submitted to the electors in the year 1873.

Sec. 3 The Auditor of State is hereby authorized to draw his warrants upon the Treasurer of State for the purposes specified in the first section of this act; provided, that no account is furnished to him verified by the afflight of the claimant and certified by the State as correct, and not in excess of the legal rates of advertising as allowed by the Secretary of State as correct, and not in excess of the legal rates of advertising as allowed by Sec. 3 This act shall take effect and be in force if from and after its publication once in the Kansas (I Weekly) Farmer.

Approved February 3, 1374.

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 it, file in my office.

Sec. 3 This act shall take effect and be in force of Kansas, do hereby certify that the foregoing is a true and correct copy of the original enrolled bill on it, file in my office.

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Sec. 3 This act shall take effect and be in force of Kansas, do hereby certified when the west and the terminus of the Menphis, and Northwestern road on the west and the terminus of the Menphis, and Northwestern road on the west and the terminus of the Menphis, and Northwestern road on the west and the terminus of the Menphis, and Northwestern road on the west and the terminus of the Menphis, and Northwester of state. Done at Topcka, Kansas this 3d day of March, A. D. 1874.

W. H. SMALLWOOD,
Secretary of State.

HAW VALLEY NURSERY.—The proprietor of this Nursery offers 200,000 No. 1 Apple Root Grafts

The cost of the construction of the works is, in round figures, \$45,000, and of the mining lands and leases held by the company, \$20,000 more. We understand that the intention now that the double the furnace convenies in the spring. for sale on terms of one and two years, if 100,000 or is to double the furnace capacity in the spring more are taken in one lot. Hedge Plants at wholesale by the erection of four more smelters and six more blende roasters. Our miners have already experienced very considerable benefits from the impulse given to the working of the black jack deposits which, at prices now offering, yield a good, living profit, and more than met the expense of prospecting at the same time for lead. It is proposed to make these new furnaces the centre of the largest manufacturing interest in the Southwest, and we recommend the attention of miners and partices interested in zinc ore or lead lands to the liberal contracts offered by this company, and the facilities they possess for handling all descriptions of ore.—Neosho Times. more blende roasters. Our miners have al-

Market Review.

LEAVENWORTH, March 4. BARLEY—No. 1, \$1 00; No. 2, 90c; No. 3, 85c. COHN—Shelled, 54c; Yellow, 55c; Ear, 55c. RYR—No. 1, 60c; No. 2, 55c. Ear, 55c. RyR—No. 1, 60c; No. 2, 55c. Rylected, \$1 00; Spring, 70c/80c. No. 3, \$1 20; No. 4, \$1 15; No. 2, 55c. Choice family, per sack, \$3 75; XXXXX, \$3 50; XLOUG-Choice family, per sack, \$3 75; XXXXX, \$3 50; Suckwheat, \$5, 22 20; X, \$1 70. Ryc, \$2 25 per cwt. Conn Mat.—\$1 20 per cwt. Bran—100c.

LIVE STOCK MARKET. CALTLE—Supply limited and demand good for fat cattle. and votes and seems of the cattle. Goods—Receipts light and demand good at extreme range live Hogs, \$4 0024 75. Dressed—Good to Ceoice, 525%;

PRODUCE. BUTTER—Choice, 20c; Firkin, 30c; Cooxing, 14c: EGGs—22c, BEANS—White Navy, \$2 50.
POTATORS—Early Hose, \$1 40; Peachblows, \$1 50.

Kansas City Market.

PRODUCE AND PROVISIONS. PRODUCE AND PROVISIONS.

FLOUR-XXXX, perssock, \$t 00@1 25; XXX, \$3 25@3 5
XX, \$2 50, live, per cevt, \$2 25@40
APPLES-Mixed, per barrel, \$5 00@7 00; Choice, \$4@5.
BUTTER-Choice, 30c; Good, 20c.
BEANS-Choice Navy, \$2 50-3 00; Medium, \$1 50@2 50;
Common, \$1 50. Castor, \$1 50@41 0; Medium, \$1 50@2 50;
Ommon, \$1 50. Castor, \$1 50@41 0; Medium, \$1 50@2 50;
Ommon, \$1 50. Castor, \$1 50@41 0;
BROOM CONN-\$40@400 per ton.
CONN MAR-Boited, in sacks, \$1 50 per cwt; Kiln dried per barrel, \$2 90@3 00.

K909-168170.

CATTLE AND HOGS CATTLE—Native Steers, \$4 50@5. Fat Oxen \$1 25@4 50 rexas Steers and Cows mixed, \$3 45, Hogs—\$4 80@5 00.

St. Louis Market.

St. Louis, March 4. ST. Louis, March 4.

WHEAT—Spring No. 2, \$1 20@1 25½; Fall No. 3, \$1 43@
49; No. 2, \$1 65@1 67.

COIN—No. 2 mixed, \$2@65c.

OATS—No. 2 mixed, \$7@48c.

BARLEY-Kansas, \$3

STYE—No. 2, 90@395.

PORK—\$41 76@15 09.

HOSS—\$4 70@5 19; Light Shipping, \$3 40@5 69.

CATILE—Good to Choice Native., \$4 50@5 59.

Good to rime Texan and Indian, \$150@4 59.

Chicago Market.

CHICAGO, March 4.

Land Warrants, 160 acres, Buying \$160 Selling \$180 Sellin PRODUCE AND PROVISIONS.

WHEAT-No. 1 Spring, \$1 20; No. 2, \$1 17@1 25 No. 3 RN-No. 2, mixed, 58@59c T8-No. 2, 43c

OATS—No. 2, 436
RYS—No. 2, 486
BARREY—No. 3, 41 6362 0) No. 3, 41 5361 70.
WHISKY—8336676.
WHISKY—8336676.
BOING—44 22644 50:
BOING—44 22646 50:
BOING—54 22646 50:
ROBEN MASS—Shoulders, 746; Short Rib, 746, loose.
HAMS—846946.

New York Market.

FLOUR—Superline, \$5.70@6 20; Common to Good, \$6.20 \$6.90; Good to Choice, \$6.80@6 50; White Wheat Extra \$6.90@6 50; White Wheat Extra \$6.90@6 70; White New Extra \$1.54@1 57; Northwest Spring, \$1.49@1 52; Iowa Spring \$1.54@1 57; Northwest Spring, \$1.600; Northwest Spring, \$1.600; \$1.500; Northwest Spring, \$1.600; \$1.500; Northwestern Mixed, \$500; Now Mixed, \$30@8000; OATS—Western Mixed, \$500; Now Mixed, \$30@8000; OATS—Western Mixed, \$500; \$1.500; Prime Mess; \$15.00; Extra Frime, \$1.600; \$1.500; \$1. NEW YORK, March 4.

Atchison Market.

ATCHISON, March 4.

CORN -40@45c.
WHEAT -5pring, \$0.95@1.00; Fall, \$1.15@1.40;
WHEAT -5pring, \$0.95@1.00; Fall, \$1.15@1.40;
BAILLY \$0.90@1.00.
OATS-32305@1.00.
OATS-32305@1.00.
OATS-32305@1.00.
PORK-Dry salt meats, shoulders, 5@6c; clear sides, 10c; olean sides, 10c LAND-Choice winter, in thereeb, o₇₄c; \$4 to \$4.00c.
FLOUR-Best XXX, \$3.25; best XXXX fall, \$3.75; No. 1 spring, \$2.50; superfine, \$2.50; Hyc, \$2.50@2.60; Graham, \$3.00; Corn Meal, 60c; Hear, 56.
BUTTER—per pound, 30@25.0.
CHICKENS-Per dozen, \$1.50@1.75.
EGGS-Per dozen, 174@20.

Junction City Market.

WHRAT—Spring, 90@93c; Fall, \$1 00@1 25. QORN—35@40c, 90.375; Fall, \$1 00@1 25.

ATS-276:30c.
XTS-276:30c.
AILEY-55:690e.
AILEY-55:690e.
AT-Per ton, \$4 00:64 50
PTATO:88-\$1 25:61:65
DTATO:88-\$1 25:61:65
DIM MEAL-Per owt.\$1 25:61:50 bolted.
ULTER-Per b, 13:62:65.

Business Motices.

TEN YEARS TIME.

OCATED 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

J. N. LIMBOCKER, Manhattan, Kan.

GRANGER PRICES.

County Warrants, par per county Warrants, par county Warrants, par per county Y per cent rail road Bonds 50 GBAIN MARKET.

WHRAT—Fall No. 2, \$1, 25; No. 3, \$1, 1561, 29 No. 4, \$1, 00 Corn-White, No. 1, 60 in bulk; Yellow and Mixed, 45. RYK—So. BARLEY—90.08\$1 (0). Spring, Red, No. 2, \$2, 25; No. 3, \$1, 1561, \$2, 100 GRANT, MABBETT & CO. 1, \$2, 100 GRANT, MABBETT &

FACULTY.

J. A. Andrinon, President, and Professor of Political Economy and Mental and Moral Philosophy. J. H. Lee, Professor of English Literature and Latin. M. L. Ward, Professor of Mathematics. J. S. WHITMAN, Professor of Botany and Entomology. WILLIAM K. KEDZIE, Professor of Chemistry and Physica.

E. GALE, Professor of Horticulture and Superintendent

E. GALE, Professor of Horticulture and Superintendent of the Nursery, J. E. Plaatt, Principal of Preparatory Department and Teacher of Vocal Music. Mas. H. V. Wenden, Teacher of Instrumental Music. A. Todd, Superintendent of Mechanical Department

POLICY BOARD OF REGENTS.

Extract from Minutes of the Board of Regents, Septem-

Extract from Minutes of the Board of Regents, September 3, 1873.

For the purpose of defining the policy of the Board of Regents, and as a guide to the Faculty in preparing a new curriculum;

Resolved, 1. That the object of this Institution is to impart a liberal and practical education to those who desire to qualify themselves for the actual practice of agriculture, the mechanic trades, or industrial arts. Prominence shall be given to agriculture and these arts, in the proportion that they are severally followed in the State of Kansass. Prominence shall be given to the severel branches of learning which relate to agriculture and the mechanic arts, according to the directness and value of their relation.

2. Upon this basis, the Faculty are requested to submit to the Regents three courses of study, each requiring four years for its completion; the first to be especially designing of the submit of the directness and the third chieffy for young ladies, that they may be prepared to earn an honorable self-support, and to adorn the highest stations of life.

3. Degrees shall only be given to graduates, yet the

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

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

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

CALENDAR :

FALL TERM,-September 11,-December 24, 1873; 15

Wooks. Winter Term.-January 1-March 25, 1874: 12 weeks. SPRING TERM .- April 2-June 24, 1874; 12 weeks. EXPENSES. Tuition is absolutely free, except a charge of six dollars a term for those receiving instruction in in-strumental music. No contingent fee. Boarding can now be obtained at from three to four dollars a week

For further information, apply to

J. A. ANDERSON, President.

THE SHORTEST ROUTE TO FORTUNE. \$450,000 Given Away? \$100,000 FOR ONLY \$2.50.

A Grand Legal Gift Concert IN AID OF A JUVENILE REFORM SCHOOL at Leavenworth, Kan.

Drawing April 30, 1874.

One Prize guaranteed in every package of eleven tickets. Single tickets, \$2.50; 5 for \$12; 11 for \$25. But few tickets left; and as our sales are rapid, purchasers should order at once. Any money arriving too late will be returned. Good, reliable Agents wanted everywhere. For particulars address SIMON ABELES, Leavenworth, Ks. Drawing April 30, 1874.

Walnut Hill Nurseries. APPLE two and three years old—also, a general assort-ment of NURSERY TREES W. H. MEADE, General Agent, Topeka, Kansas.

BOWDITCH'S DOLLAR FLOWER GARDEN!

We will send 12 flowering plants for \$1.—your choice from 100 varieties — Forwarded by — TRE—Fer lb, 2:2026.

is—Fer dozen, 2:022c.

is—Fer dozen, 2:022c.

is—Fer dozen, 2:022c.

is—Gren dozen, 2:022c.

is—For further information we refer you to our illustrated Catalogue of Plants and Seeds.

is—Sent free to all customers—and to others on receipt of i0c.—less than half the cost.

is grubby, cut or damaged hides, 25 to 50 per cent.

is—Bowditch, 646 Warren St., Boston Mass. EDITED BY MRS. M. W. HUDSON.

THE GROST THAT JIM SAW.

BY BRET HARTE. [KANSAS PACIFIC BAILWAY-1873.]

"Why, as to that," said the engineer,
"Ghosts ain't things we are apt to fear,
Spirits don't fool with levers much,
And throttle valves don't take to such,
Aud as for Jim—
What happened to him
Was one half fact and t'other half whim.

Running one night on the line, he saw
A house—as plain as the moral law—
Just by the moonlit bank, and thence
Came a drunken man, with no more sens
Than to drop on the rail
Flat as a fail,
As Jim drove by with his midnight mail.

Down went the patents—steam reversed— Too late! for there came a "thud." Jim curse As his firemrn there in the cab with him Kind'r stared in the face of Jim, And says, "What now! Says Jim, "What now! I've just run over a man—that's how!

The fireman stared at Jim. Phey ran Back, but never eaw house or manNary a shadow within a mile:
Jim turned pale, but he tried to smileThen on he tore,

Ten miles or more, In quicker time than he'd made afore.

Would you believe it!—the very next night Up rose that house in the moonlight white; Out comes the chap and drops as before, Down goes the brakes, and the rest encore—And so, in fact.

Each night that act
Occurred till folks swore Jim was cracked.

Humph! Let me see; it's a year now mos That I met Jim East, and says, "How's

ghost? "Gone," says Jim, "and more, it's plain
That ghost don't trouble me again;
I thought I shook
That ghost when I took
A place on an eastern line—but look;

What should I meet the first trip out, But that very house that we talked about And that self-same man!" "Well, "says I, guess It's time to stop this foolishness."
So I crammed on steam,
When there came a scream
From my fireman—and it broke my dream-

"You've killed somebody!" Says I, "Not much:

much;
I've been thar often, and thar ain't no such,
And now I'll prove it. Back we ran,
And—darn my skin!—but there was a man
On the rail dead!
Smashed in the head—
Now, I call that meanness!" That's all Jim

For the Kansas Farmer. ECONOMICAL FASHIONS.-No. 2.

BY MRS. CHARLOTTE SOULLARD. Very shabby hats or bonnets of neapolitan or straw can be cleaned, pressed and altered to a new style for a trifling sum, from \$1.25 to 75 cts, a milliner will have them done or you can take them to the factory yourself. If of white straw they may be dyed brown or black before a walk of a few minutes brings us to Calton pressing and will look equal to new. You Hill. This is 350 feet high above the sea lev can trim them if you choose, as one good look el and is beautifully terraced to the top. in a milliner's window after the spring styles Ascending the stone steps we find that it comare out, will show you how to put on the rib- mands one of the finest pamoramas imaginable bon and flowers. If you have no taste for such Here we find the national monument which work, when your hat or bonnet is ready choose was to have been a reproduction of the Parthentrimming, go and ask your milliner what she on at Athens, but after erecting twelve massive will charge to put them on. In this way your pillars at a cost of 1000 pounds each, the work hat or bonnet, will look as well, and cost less, stopped for want of funds. Viewed from a dis than it will if you select a new one ready trim- tance this structure as it remains has a very med, especially if you have lace or ribbon in fine effect. While engaged looking at this the house. Some ladies keep a box for all we remembered our own National monument A lady tells me that she has worn the same same reason. A few yards to the south stands black lace, real thread lace, on her bonnet for Nelson's Monument; it is a circular turre she washes it in lager beer. Another lady about it to remind us of the hero of Trafalgar made a stylish riding hat by covering a new but looks very much like the light house

the purpose, as did one Kansas paper I could 1775, and who afterwards filled several minis. mention, heralded by a grand flourish of trum- terial offices during the administration of Pitt. pets, commending all to read and wonder at the wisdom of her who was to fill the responsible place, and lo! we all with awed faces at Navy, but was declared not guilty by the Peers.' seamstress, or laundress. Who have a personal supervision of all their household; wash of the structure is Scotch granite, and cost upand cook, make and mend for all their little wards of 2000 pounds sterling. ones, and their "gude mon," besides attending to the dairy and poultry also, and after all that find time to peruse the columns of their local, religious and agricultural papers. 1 know plenty of such women, whose actual, every day experience, could we but get them to give it to us, would be fully as intertaining and instructive, as the letters of Mrs. Hunnibee or any other model writer. Think me not egotistical my sisters, I refer not to myself. Having been always a teacher until my marbeen learned in the school of experience, and the KANSAS FARMER. JUDIA. Round Prarie Kansas.

For the Kansas Farmer.]

A KANSAN IN EUROPE.-No. 7.

Leaving Holyrood palace and turning north such materials not soiled by the season's wear, at Washington remains unfinished, for the six successive summers and it is apparently as about 100 feet high with a winding staircase good as new. Whenever it is much soiled inside and a battlemented top. It has nothing frame with the out side of an old black silk hat which her husband had discarded. It was brushed with a soft damp brush before it was taken apart; a handsome summer hat may be made by covering a new frame with black lace made by covering a new frame with black lace of the surroundings. To the south and east of us is Metal depression flies before it, as leaves before the wind. There is a bond of sympathy barrounding. There is a bond of sympathy barroundings. or net. Such hats are fashionable in very hot Queen's Park, almost surrounding Salisbury the wind. There is a bond of sympathy be or net. Such hats are fashionable in very hot Queen's Park, almost surrounding Salisbury tween one who loves to ride,—loves her horse weather and they are very easily trimmed. If Crag, a hill about as high as the one we are on.—and the noble animal itself. We do not alyou wish to remodel a black grenadine dress, Immediately to the south is the old part of the together approve of trials of equestrianism a sew the flounces on an old black silk skirt, city with its crooked and narrow streets and this is better than wearing the dress over a queer old houses. To the west three miles silk skirt as it hangs better and is more easily stands Edinburgh Castle; between here and put on. The part of the flounces should be there on the right is the new part of the city cut bias and decrease in fullness as they reach regularly laid out with its streets running at the upper part of the skirt; they may be hem-right angles. Its handsome public buildings med or bound with black watered ribbon 3% of open squares, beautiful monuments and tall an inch wide. After the flounces are put on church spires present a magnificent view to add an overskirt, which will when ruffled, just the eye of the traveler. At the foot of Calton reach to the top of the upper flounces, the Hill on the southern slope is the High School. waist lining should be made high, both sleeves and waist to be lined with black silk; the silk consists of a center and two wings built of makes an unwonted movement of head or heels waist lining should be made high, both sleeves It is a structure of pure Grecian Doric and lining in the waist should be made over brown white free stone. Two lofty corridors, each or gray linen. Lace shawls may be draped with six Doric columns, connect the centre

some agricultural papers are. I like the way the new Kansas Farmer starts out, for it comes not to us with loud and noisy promises 1371 and several other records of ancient date. This is comes not to us with loud and noisy promises of what grand things it is going to do. I was also much interested in an article, written by the editress, in the issue of Jan. 28th. She says "the KANSAS FARMER is not able to secure the services of Mrs. Stone, Daisy Eyebright and others;" but my sisters, are there not among us here in the west, those quite as capable of pending ment. This is a tall fluted column 136 feet high, and cost 8000 pounds. The history of high and pound are an all numbers poverty is a serious impediation at land where poverty is a serious impediation. The high and where poverty is a serious impediation at land where poverty i here in the west, those quite as capable of permining experience that shall strengthen and enlighten others? Yes, let us have a domestic department, not edited by some one hired for department department, not edited by some one hired for department, not edited by some one hired for department department. He was impeached by the House of Commons for sible place, and lo! we all with awed faces at our own inferiority, shrank back in the corner, and looked up to learn of the grand oracle. With many courtesies, she told us what great things she was going to do. Well, she gave the grand at the crossing of St. Dange recipe for making bread, which sound:

**Thus we see that the higher officers of other countries know how to take care of the public funds as well as ours in Kansas. In the things she was going to do. Well, she gave the grand at the crossing of St. Dange recipe for making bread, which sound:

**We all with awed faces at Navy, but was declared not guilty by the Peers."

This choice perfume is much used both in the East and West, and was first manufactured by an Arabian physician of the tenth century. The attar is an oily film which collects, funds as well as ours in Kansas. In the surface of the rose-water, and is skim med off and placed in a bottle. Five hundred will be surfaced in a bottle. The control of the East and West, and was first manufactured by an Arabian physician of the tenth century. The attar is an oily film which collects, funds as well as ours in Kansas. In the surface of the rose-water, and is skim med off and placed in a bottle. Five hundred the control of the control of the East and West, and was first manufactured by an Arabian physician of the tenth century. The attar is an oily film which collects, funds as well as ours in Kansas. In the control of the East and West, and was first manufactured by an Arabian physician of the tenth century. The attar is an oily film which collects, funds as well as ours in Kansas. In the control of the East and West, and was first manufactured by an Arabian physician of the tenth century. The attar is an oily film which collects, funds as well as ours in Kansas. In the control of the East and West, and was first manufactured by an Arabian physician of the tenth century. The East and West, and was first manufactured by an Arabian physician of the tenth centured by an Arabian physician of the East a us one recipe for making bread, which sound vid's street stands the Scott monument. This date of as though she copied it from a book, and structure is about 200 feet high. A Gothic structure is about 200 feet high. domestic department in our new KANSAS
FARMER," good Lord deliver us." Let us hear from mothers, of at least six children, who do all their own work, without aid of cook, nurse, seamstress, or laundress. Who have a personhis dog at his feet, is of Italian marble, the rest

For the Kansas Farmer.1

HOME HINTS, No 2.

BY BETTY BADGER.

FRIED BREAD.

One of the nicest dishes that can be cooked for breakfast is fried bread; take the slices of close rooms it is very unwholesome, and often stale bread, dip for an instant in boiling water, the cause of disease. In large manufactories, stale bread, dip for an instant in boiling water, stale bread, dip for an instant in boiling water, and fry with butter in a hot skillet until of a light brown color, then turn and brown the other side; or the bread may be dipped in a riage, what little I know of house keeping has and fry with butter in a hot skillet until of a

be eclived by every true woman who reads stale bread, dip in hot water to soften, then meat and milk from dark apartments place them on a dish in the stove until the other great advantage in the use of carbolic eggs are cooked. Poach the eggs by breaking acid in paste for wall-paper and in whitewash, is, that will drive away cockroaches and other them one at a time into a pan of boiling water, dipping them out as soon as the white was set, not allowing them to boil hard; serve up hot with an egg on each slice of toast, and season with pepper and salt.

DRY BREAD GRIDDLE CAKES.

bake on a hot griddle. Freeport, Pa., Feb. 4, 1874.

Horseback Riding.

Breathe it not aloud, lest we be excluded from good society," but we cannot help deploring the false standard of refinement that is de priving us of such glorious exercise as riding s priving us of such glorious exercise as riding a spirited horse, and yet, we rarely find young people of either sex, that can ride gracefully or safely. The possession of buggies and carriages by the wealthy dictates the fashion, and those who cannot afford them, prefer to be joited in the "big wagon," rather than to occupy a seat as easy as a cradle on the back of a good horse.

be fostered and encouraged in that way, rath er than not at all; but we do admire the fear lessness, and energy that enables one of even the "gentler sex" to catch, saddle and mount a at any time and under any circumstance the want of interest manifested by parents in teaching their children to handle, train and love horses; and there is great one, train and love norses; and there is great propriety in having girls understand the art in all its details. Nothing so excites our com-miseration, (shall we say our disgust?) as a nervous, timid woman that shrinks or faints Therefore boys and girls equally should learn to handle horses, to harness, to ride, to them; and they will be the better for it.

Boy, let the eagle's flight ever be thine, Onward and upward and true to the line

Attar of Roses.

ples.

In Germany a rose tree has obtained great renown, beiing nearly a thousand years old. It grew in the crypt of the cathedral of Hildesheim; its stem is twenty-seved feet high, and it has spread over a width of thirty-two feet.

Paste for Wall Paper.

In pasting wall-papers, etc., especially where successive papers are put on, there arises a most disagreeable effluvium, which is particu larly noticeable in damp weather. The of this is the decomposition of the paste cable in damp weather. The cause although some things, both in the domestic and nursery line I claim to be mistress of, I would not set myself up to teach others.

What I want, is to hear from the actual workers or home mothers, and I feel that this wish will be echoed by every true woman who reads stale bread, dip in hot water to soften, then grue, a small quantity of carbonic acid is added, it will be deliped in a glue, a small quantity of carbonic acid is added, it will be prevent mode in which water or smells. A few drops added to ink or mucilage prevent mold. In whitewashing the cellar and dairy, if an ounce of carbolic acid is added, it will prevent mold. In whitewashing the cellar and dairy, if an ounce of carbolic acid is added, thin batter and then fried, cat with butter or smells. A few drops added to ink or mucilage prevent mold. In whitewashing the cellar and dairy, if an ounce of carbolic acid is added, then better or some last and the disagreeable taints often perceived in the disagreeable taints of t

A Cheap Wash for Buildings.

one pound of common salt. These ingredients and fall off. To form a beautiful cream color, add three pounds of yellow ochre. A lump of ivory black will give a pearl or lead color. Lamp-black may be used to produce a darker color it desired. Applied to palings, plank fences, and all outbuildings, they last much hing: To a quart of milk add pieces of bread sufficient to absorb it; let them soak for three hours, then press the whole through a seive, add half a tea spoonfull of salt, a table spoonfull of butter, two eggs and a small quantity of saleratus, mix the whole thoroughly and the spoon of the spoon of the spoonfull of butter, two eggs and a small quantity of saleratus, mix the whole thoroughly and the spoonful of common salt. These ingredients cause the whitewash to harden, and not crack and fall off. To form a heattiful cream color.

Fuss works hard all day, and don't do anything; goes to bed tired at night, then gets up next morning, and begins again where she left off.

CENTAUR LINIMENT



THE Great Discovery of the Age.
There is no pain which the Centur 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 circular containing certificates of wonderful cures of rheumatism, neural gial checkly and the comparing special containing certificates of wonderful cures of rheumatism, neural gial checkly and the comparing special cure of the Liniment will be sent gratis to any one. It is the most ment 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 ever 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 spayined, strained or galled horses and mules, and for scrow-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.

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

10-19-1y

SCIENTIFIC AND SAFE TREATMENT.

New Advertisements.

TOPEKA, KANSAS.

CAPITAL, - - \$100,000.

ANTED—AGEN'S—\$75 to \$250 per Month, everywhere, hale and formale, to introduce the GENUINE IMPROVED COMMON SENSE FAMILY SEWING MACHINE. This Machine will editch, hem, fell, tuck, quilt, cord, braid, bind and embroider in a most superior manner. Price only \$15. Fully licensed and warranted for five years. We will pay \$1,000 for any machine that will sew a stronger, more beautiful or more elastic seam than ours. It makes the "Elastic Lock Stitch." Every the second stitch can be cut, and still the cloth cannot be pulled apart without tearing it. We pay Agents from \$75 to \$250 per month and expenses, or a commission from which twice that amount can be made. Address, SECOMB & CO., Boston, Mass. New York City, Pittsburgh, Pa., Chicago, Ill. or St. Louis, Mo. TANTED-ACEN'S-S78 to \$250 per



Fottler's Early Drumhead.

PARMERS and Gardeners you all need this Cabbage for two reasons: 1st, because it is the earliest of all the drumhead varieties; 2d, because every plant on an acre will make a large and solid head. Seed of my own growing sent postpaid by me for 15 cents per package; 75 cents per oz., \$8 per pound. My Seed Catalogue free to all applicants.

JAMES J. H. GREGORY Marblehead, Mass.

MAKING MAKING MAKING

A PPARATUS AND SUPPLIES, of every Description. Special Inducements to the Western II. H. ROE & CO., 82 Bonk St., Cleveland, O

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

Kansas City is the best Hog Market in the West. The crop for 1873-4 was unequal to the demand. Pack-ing Houses were compelled to shut down be-fore the senson was over, for want of Hogs,

CREAT AUCTION SALE THOROUGHBRED

BERKSHIRE HOGS!

restriction that the shift that shift the shift that the shift tha

what is made over trowns of the state of the

THE KANSAS FARMER.

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

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

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

Size, 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.

Size, 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 this 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 the has advertised such stray ten days, and that the marks or brands have not been altered since, to his knowledge.

Size, 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.

Size, 11. The householders or two of them, shall pro-

disinterested noisenoiders 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 sex, size, color, age, marks and brands, and value of the same, which description and appraisement they shall reduce to writing, to which they shall append their affidavit that the same is a true description, and a fair and impartial appraisement, which shall be filed by the justice, and recorded by him in a book to be kept for that purpose.

SEC. 12. The justice shall deliver to such taker up a certified copy of the record upon his stray book, which he shall, within fifteen days after such appraisement, cause to be delivered to the county clerk.

SEC. 13. The clerk, immediately after receiving the certified copy from the justice, shall record the same in a book kept for that purpose; and whenever the appraised value of such stray or strays shall exceed tre doilars, said county clerk shall, within ten days after receiving such certified description and appraise (unless the animal shall have been previously reclaim by the owner), forward, by mall, a notice containing a complete description of said stray, the day at which it was taken up, its appraised value, and the name and residence of the taker-up, to the Kansas Farmer, together with the sum of itty cents for each animal contained in said notice, which sum shall be in full payment for the publication of said stray, the days after the publisher of said Kansas Farmer, for a failure to publish said on the same extent as is provided in this article in case of a failure of the county clerk, or justice of the peace, to perform the daties enjoined upon them; and it shall be the duty of the publisher of the Kansas Farmer to furnish the county clerk of each county in the state a copy of said paper, to be kept on file in his effice.

SEC. 1

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

Bzc. 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 compet 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.

Szc. 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 vest in the taker-up.

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.

Szc. 20. 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 jail not to exceed thirty days.

special property of the state heavy and the country double the value of such stray, and may also be punished by fin, not exceeding the value of such stray, and may also be punished by fin, not exceeding the value of such stray, and fails to comply with the provisions of this act, or shall drive the same on the purpose of taking up the same, or shall forfeit to the country more than two says at non time. He purpose of taking up the same, or shall forfeit to the country more than two says at non time. He purpose of taking up the same, or shall forfeit to the country more than two says at non time. He purpose of taking up the same, or shall forfeit to the country control of the country doubles. He purpose of the country doubles, and the country color recording to the provisions of the country doubles, the color records of strays filed in the offers of the country dorse and from the same of the country dorse in the country color recording to the provisions of the country dorse property of the laker-up, the board shall seen their warrant, under the seal of the country dorse property of the laker-up, who had shall seen their warrant, under the seal of the country core property of the laker-up, who had shall seen their warrant, under the seal of the country core property of the laker-up, who had shall seen their warrant, under the seal of the country core property of the laker-up, who had shall seen their warrant, under the seal of the country core property of the laker-up, who had shall seen their warrant, under the seal of the country core property of the laker-up, who had shall seen their warrant, under the seal of the country core property of the laker-up, who had shall seen their warrant, under the seal of the country core property of the laker-up, who had shall seen their warrant, under the seal of the country core property of the laker-up, who had shall seen their warrant, under the seal of the country core property of the seal of the country core property of the seal of the country core property of the seal of

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

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

THE STRAY LIST.

PYAN ACT of the Legislature, approved Feb. 27, 1867, section 1, when the appraised value of a stray or strays exceed on the county Clerk Is required, within ten days to receiving a certified description of the county of the co

Stray List for the Week ending March 4.

Brown County—Henry Isely, Clerk.

BULL—Taken up by J J Klepper, Robinson tp. Dec 24, 1873, one roan Bull, white spot in forchead, about 2 years old last spring, no other marks or brands perceivable, Appraised \$16.

Chase County—S. A. Breese, Clerk.
STEER!—Taken up by W.P. Martin, Toledo tp., Feb. 23,
one ied Steer, 3 years old, some white in face, swallow
fork in left ear, indistinct brand on the left side. Appraised \$17.50 STEER—Also, one white Steer, 2 years old, has been randed on left hip, cannot tell what, the brand is. Apalsed \$22.50.

Cherokee County — Ed. McPherson, Clerk. 170 nes sorrel frose, ball faced, three white feet up to hock thits spot on right side, shod all around, left shoulder tranded D B, Spanish brand on the left thigh. Appraise

MARE—Also, one sorrel Mare, blaze in face. snip ou he nose, saddle marks on back, some white in mane, 12 ands high. Appraised \$--.

Linn County—F. J. Weatherble, Clerk. HEIFER—Taken up by J. F. Hackler, Lincoln tp, one 2 ear old red Heifer, while back and belly, little nip off ff horn, small crop off right ear, no other marks ,brands ppraised \$42. MARE—Taken up by John McGee, Centreville tp, one ark bny Mare Mule, light colored about the nose and on the belly, scar on left side, supposed to be I year old. Apraised \$18.

Leavenworth County—0. Diefendorf, Clerk. COW—Taken up by Joseph Berringer, Easton tp, Feb 12 one red Cow, with white face, branded figure 5 on left litp, no other marks or brands, 6 years old. Appraised \$12.50.

Lyon County—J. S. Craig, Clerk.
MARE—Taken up by J C Burris, Centre tp. Feb 8, one
ght bay Mare, black mane and tall, black legs, left hind
oot white, tall cropped off, 2 years old, 14 hands and 3
ches high. Appraised \$3.

Ottawa County—F. M. Sexton, Clerk.
AEIFER—Taken up by Robert Burns, Logan tp. Feb 11,
nor Texas Helfer, about 3 years old, red color, slit in lest
ear, branded WS on left hip, Appraised \$12.

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

Washington County—G. W. Pasko, Clerk. Coll—Taken up by Wm Sharp, Strawberry to, one brown horse Coll, shout 2 years old, 12½ hands high, no marks except a few white hairs in forenead. Appraised \$35.

Stray List for the Week ending Feb. 25, 1874.

Anderson County—E. A. Edwards, Clerk.
FILLY—Taken us by H C Reppert, Reeder to, Jan 24,
one bay Filly, 3 years 16, hands high, white spot in
forchead. Appraised \$35.
FILLY—Taken up by J W Paul, Washington tp, Jan 20,
one sorrel Filly, 154 hands bigh, no marks or brands, 2
years old, Appraised \$35.
FILLY Also, one black Filly, 1 year old past, 14 hands
high, amail star in forchead, no other marks or brands.
Appraised \$30.

Butler County—V. Brown, Clerk. COW—Taken up by W Cornell, Union tp, Jan 25, one yellow roan Texas Cow, 4 years old, branded O on left hip, crop on left ear, Appraised \$10.

Coffey County—A. Crocker, Clerk. HEIFER—Taken up by J F Jones, California tp. Dec 25, 878, one pale red Heifer, white tail, 1 year old, no marks r brands. Appraised \$12. FILLY—Taken up by Carl Scwutes, Ottawa tp., Jan 12, one bay Filly. 2 years old, white star in forehead, both lips white. Appraised \$35.

white. Appraised \$35.
STEER.—Taken up by T Stockstill, Hampden tp, Jan 23, one white speckled Steer, crop off right ear, swallow fork in left ear. Appraised \$11.

Howard County—M. B. Light, Clerk,
COW—Taken up by J C Pinney, Longton tp, Jan S. one
Texas Cow, yellow with white spots, branded G T on left
side, underbit in each ear, no other marks or brands. Appraised §— STEER—Also, one yearling Steer, white body, red neck to other marks or brands. Appraised \$22,

STEER—Taken up by C W Potter, Longton tp. Feb 4, one yearling Steer, white with red neck. Appraised \$12.

Jefferson County—D. B. Baker, Clerk. HORSE—Taken up by W J Taylor, Rock Creek tp. Jan 25, one bay Horse, 16 hands high, about 8 years old, some white hairs on torchead, some white harness marks. Ap praised \$80.

STERR—Taken up by S W Brapfogle, Shawnee tp., Feb 12, one dark yellow Texas Steer, dark head and neck, 4 years old, crop and underbit in right ear, branded F B on right hip, no other marks or brands perclevable. Appraised \$16.

One pale red, 3 years old, underbit in right ear, crop off oft, branded D O on left hip, no other marks or brands. Appraised \$6. One line back, 4 years old, white under the belly, cropaid underbit in the left ear, branded O N E in left side.

One roan, 3 years old, crop off right car, swallow fork and underbit in left, branded 102 on left side. Appraised One red and white spotted, 4 years old, crop and under it in right ear, branded N on the right side. Appraise

One light brown, 4 years old, crop on off each ear, brand L U U on left side. Appraised \$10.

One brown, 3 years old, slope on both cars, branded I N n left side. Appraised \$6. One black and white spotted, 3 years old, two underbits in left car, and a swallow fork the right car. Appraised

One black, 3 years old, crop off right ear, two underbits n left ear, branded U U L on the left side. Appraise One dark brown, with white face, 3 years old, both ears partly gone, branded 11 on the right hip. Appraised \$10, One roan, 3 years old, white face, white on flank, crop off left, ear, silt in right, branded I, C on right hip. Ap-praised \$9.

Wilson County—G. E. Butin, Clerk,
HEIFER—Taken up by A Edmiston, Fall River tp, Jan
15, one red and white Helfer, I year old last spring, some
small red spots on forchead, no other marks or brands.
Appraised \$14.

Riley County -- Wm. Burgoyne, Clerk. COW-Taken up by C Larson, Jackson tp, one roan Cow, 3 years old, long white horns, no marks or brands. Appraised \$15.

Shawnee County—P. I. Bonebrake, Clerk, MARE—Taken up by H.Fletcher, Feb 2, one very ligh ay Mare, 7 years old, white spots in forchead, hind fee chite, no other marks or brands perceivable. Appraisec

HORSE—Taken up by John Jackson, Feb 7, one small ony, bay, white face all feet white. ony, bay, white face an feet write.

MARE—Also, one small pony Mare, one white foot, lark brown. Appraised \$11 each.

Wabaunsce County—G. W. Watson, Clerk. COLT—Taken up by W. K. Beach, Mission Creek tp., Jan, one brown mare Colt, about 12 hands high, both hind and right fore feet white, large spot in face, selp on nose, bout 2 years old. Appraised \$1.53. Woodson County—J. N. Halloway, Clerk, MARE—Taken up by Charles Wide, Liberty tp, Jan 28 one brown pony Mare, with roan hairs, white spot in for head, 2 years old last spring. Appraised \$18.

Wilson County—G. E. Butin, Clerk.
SHEEP—Taken up by S Lesley, Noodesha to Dec 27, 73
of white and I black sheep. Appraised \$193.
HEFFER—Taken up by N S Prigs, Verdigris tp. Jan 24
1874, one red Heifer, 2 years old past, swallow fork and
underbit in right ear, erop and underbit in left ear, white
forehead. Appraised \$11.

forchead. Appraised \$11.

MARE—Taken up by John W Dean, Verdigris tp., Jan 1, 1874, one roan Marc, 4 years old, about 134, hands high, flax mane and tall, both hind feet white, white hairs at root of tall, white stripe in forchead. Appraised \$30.

HORSE—Also, one dark bay Horse, 2 years old, star in forchead, long mane and tall. Appraised \$30.

MARE—Also, one chestnut sorrel Marc, 2 years old, star in forchead, white spot on left hind foot, curbed in both hind legs, flax mane and tall. Appraised \$25.

MARE—Also, one dark bay Mare, blaze in face, 1 year old, both hind feet white, light in the flank, heavy tall and mane. Appraised \$15.

Woodson County—J. N. Halloway, Clerk.
STALLION—Taken-up by Smith Wilhite, Toronto tp,
Jau 23, 1874, one roan Stallion, 2 years old last spring, no
marks or brands. Appraised \$20.
STEEL—Taken up by G W French, Wilmington tp, Jan
10, 1874, one large black TexasSteer, red hairs on buck, 7
or 8 years old, no marks or brands. Appraised \$16. STEER-Also, one light red or roan Texas Steer, medium size, 7 or 8 years old, no marks or brands. Appraised \$14.

Beekeeper's Directory.

DEES, QUEENS, HIVES, HONEY EXTRACTORS AND Aplarian supplies. Send for Circulars and Price Lis Aplarian supplies. Send to NOAH CAMERON, LAWRENCE, KANSAS.

Breeders' Directory. COOK, Iola, Allen Co., Kan. Breeder, Importer and Shipper of pure Poland China Pigs and Short Hord Cattle.

Send for Price List. J. FIERY Emporia, Kansas, Breeder of Thorough-brod Short Horn Durham cattle. Three Bulls for sale at reasonable prices.

B. GILMORE & E. H. NICHOLS, Millersburg, fillnois. Breeders, and Dealors in Improved American Merino Becker of the Correspondence solicited.

Sizely. We dely competition.

Correspondence solicited.

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

Address J. B. STEVENSON, Address J. B. STEVENSON, Address J. B. STEVENSON, Standard Standard Standard Standard Standard Standard Standard Standard Standard China Hogs. Send for Circular and Price List.

Jan7-1y

Nurserymen's Directory.

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

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

LLEN'S NURSERIES, KANSAS CITY, MISSOURI, ALLEN'S NURSERIES, Proprietors. We are now prepared to furnish a fall supply of Trees, Shruba, Rose, &c., at wholesale.

ZANSAS CITY NURSERIES, GOODMAN & SON, PROPRIED OF SHRUBA, WAS AS CITY NURSERIES, GOODMAN & SON, PROPRIED OF SHRUBAN & SHRUBAN

Seedsmen's Directory.

TERN. STEBER & CO., SEEDSMEN.

The Tebo Nurseries Co.

IN perfection of organization for growing and handling stock, in the quantities and qualities of stock
ready for market, these Nurseries are now unrivaled
west of the Miselssippi. We offer in special quantities
for Spring of 1874, APPLES, HEWES' AND OTHER
CRABS, WILD GOOSE PLUMS, UTAH CHERRIES
PEACHES, OSAGE ORANGE, &c. Dealers and Nurserymen are invited to correspond with us before contracting elsewhere. The Tebo Nursery Co., Clinton, Mo.

PARAGON TOMATO

THIS new variety originated with us five years ago color dark red, large and smooth, very solid with few seeds, uniform in size, ripens even at sten end. We have raised acres, and never found a double towate. omato.
Sent postpaid, 50 seeds, 25 cents; 200 seeds, 50 cents; 000 seeds, \$1. No fractional packages sent. Address A. W. LIVINGSTON, Reynoldsburg, Ohio, near Co-

lumbus

Sweet Potatoes!

HAVE for sale Red and Yellow Nansemond Pota toes, and will have plants in their season. D. G. WATT, Lawrence, Kan.

Short Horn Cattle & Berkshire Swine.

A LDERNY cattle, of quality unexcelled. Prices reasonable. Choice Bull Calves low. No richer pedigree in America or England. Have Calves got by a \$5.000 Booth Bull. As breeders cannot keep all their bulls. I will make prices to suit buyers. No circulars. Write for what you want. H. C. GRAFF, Greendale Stock Farm, Maysville, Col. co., Ohio.

FIRST CLASS POULTRY & EGGS.

EGGS for sale as follows: Dark Brahma, Partridge L and White Cochin, (Todd's stock), \$3.00—Light Brahma, White Leghorn, Grey Dorkin and Hondans, \$2—per setting of 13 warranted fresh and true to name, Address NELSON R. NYE, Leavenworth, Kan.

WANTED-CANVASSERS for the Farmer

and Gardener, Lancaster, Fa. Large commission and premiums given. Send 25 cents for an Agency Subscription. Sam's 6 cents.

OFFER Seed to my fellow Grangers at a liberal distinction. Special rates sent to all Granges that apply through their Secretaries.

AMES J. H. GREGORY, Marblehead, Mass.

ALLEN'S NURSERIES.

TREES 1,000,000 Hedge plants.
100,000 Apple, Pear and Cherry.
10,000 Peach Trees.
PLANTS 20,000 Evergreens and Shruhs.
3,000 Roses for flowering.
CHEAP1 20,000 Roses for planting.
800 bu. Seed Sweet Potatoes.
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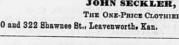
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