

## INTER-STATE COMMERCE,

What the Kansas Railroad Commissioners Think on the Subjeot.
In July the Railroad Commissioners of this State received a letter from S. M. Cullom, chairman of the United States Senate Committee on int tr-State Commerce, in which the views of this board were requested on the following points
First-The best method of preventing the practice of extortion and unjust discrimination by corporations engaged in inter-State
Commerce.
Second-The reasonableness of the rates now charged by such corporations for local and through traffic.
Third-Whether publicity of rates should be required by law; whether changes of rates without public notice should be prohibited, and the best nethod of
Fourth-The advisability of establishing a system of maximum and minimum rates a system of maximum and minimum rates The Commissioners replied as follows:

Toperi, July $20,1885$.
Hon. S. M. Cullom, Chairman of Select Committee on Inter State Commerce Dear Sid-We have
Dear Sir-We have heretofore been de the subject of your circular a discussion of the subject of your circular, er bracing nuof inter-State Cortaining to the subject of inter-state Cominerce legislation, from the number and comprehensiveness of the
questions propounded. To answer them, or questions propounded. To answer them, or even a part of them, adequately, would in-
volve great labor, and presuppose a knowvolve great labor, and presuppose a know-
ledge of a very great and difficult subject, ledge of a very great and difficult subj
which we cannot pretend to possess. which we cannot pretend to possess.
To your late invitation to state to the committee in a general wav, our views upon
such of the matters referred to in the circusuch of the matters referred to in the circular as we deem of the most importan the public, we feel inclined to respond.
In the first place we are of the opinion that a National Commission should be estatlished, vested with certain supervisory pow-
ers over the subject of inter-State Commeice. Generally these powers should be confined to the functions of regulation, and not to the management of the business of inter-State Commerce. In this connection it may be observed that in our judgment it to give to such a commission the power to establish maximum rates for either passenger or freight traffic over inter-State lines of railways. The sabject is toc large and intricate to be intelligently dealt with by a of men trained in the study and cosinosed rairoad the fact ans. This largely results from which railroads engaged in inter-State traffic are found and are operated, are quite differ ent in almost every State.
Rates charged upon railroad traffic, when they become the subject of public o state interference should, in order to conform to the common law of reasonableness have relation to the

THE COST OF CON
and to bringing the roads up to their present conction; in all cases, at least, where the quent to original construction, have become capitalized on the debt or stock of the road the volume and character of traffic, both local and inter State, which each road is
able to command; the expenses incident to the operation and management of the roads, and the amount of net revenue derived from the business available to meet the necessary or fixed charges, and to answer reasonab'e demands upon the company for air dividends to stockholders.
to fix maximum rates without reference volve the exercise conditions would involve the exercise of arbitrary power on the part of the State, and in so far as it defeated the fair and just expectations of those whose means have been invested in these important enterprises, they would suffer a despotic invasion of their legitimate interests. Such is the diversity of conditions existing among the numerous railroads of the country engaged in inter-State traffic, both in respect to physical conditions, character and amount of business, and their respective abilities to earn money, each road, in fact, possessing a development peculiar to itsel $f$ that any attempt, either by Congress, or commission under its authority, to establish maximum rates for the regulation of interState traffic, would result in fixing rates sufficiently high as to enable the less far ored class of roads to operate under them without detriment to their permanent pros perity, and this would be necessary if the principle of reasonableness of rates were to rinciple of rilo prevail, in which case the rates would be to the more favored class of roads, of the mount to amount to be charged for a service rendered, or else in prescribing rates which, though not unfair to the last named class, would be unjust to the former class of roads.
A result so undesirable could only be obviated by establishing a separate tariff to the numerous roads in detail, adapting the tariff to the situation and conditions existing upon each line. This would be a work of such gigantic proportions that no single body of men, no matter how expert they might be in he work, could undertake with the slightest hore3 of success. Yet, something like this would have to be attempted if the rate-making power were given to commission.
There are two classes of inter-State traffic over railroad lines, viz., commerce from and to points in the interior, to and from the seaboard, and commerce that covers State ines, but is still local. In the former case the great bulk of the commerce is carried over great distances, crossing a number of State lines, and employing several connecting roads to complete the transit. In the other the freight is carried from a point in one State to a point in an adjoining State. It sobvious that rates adapted to the hauling of heavy and bulky products, comprising the leading productions of the country, over great distances, either for Eastern consumption or foreign export, would furnish no criterion or basis for the transportation of the same products comparatively short distances between points in adjoining States in the interior. These products must of necessity be moved at very low rates, at rates that do not remunerate the companies engaged in the work of transportation, but only furnish a small margin of profit over the bare expenses incurred in the performance of the service, from the fact that they are moved very great distances. The great cereal crops raised in the Mississippl valley, and the meat products of the trans-Mississippi, in the continued production of which the country is vitally interested, can only be maintained by a system of rates for their
transportation to the seaboard which, whil they involve no absolute loss, but rather a margin of profit, would, if the same rates

VERE OBLIGATGRY UPON THEM as to all traffic carried over their lines consign every road engaged in the pusiness into absolute bankruptcy.
It is a fact, known to every man who has given any thought to the subject, that the rates now prevailing upon that part of interState Commerce which is concerned with the movement of Western products to the Eastern seaboard, are very much lower than were ever before devised by any railroad in the world; so low in fact, that were rates on their local traffic proportioned or adjusted to these trans-continental rates there is no road now in existence in this country that would derive sufficient revenue from its business to pay, in addition to its operating expenses, its fixed charges.
To devise a system of maximum rates, covering every species of inter-State traffic, on the basis of rates for long hauls from the extreme West to the East, would paralyze every railroad in the business. On the other hand, to equalize the rates as between proportionate equality in the rates between local and continental inter State traffic, would, if railroad property is to be preserved, and its eticieney maintained, ad vance the rates ongreat distances to such an extent as to put an embargo upon the moveWest and the trans-Mississippi region, a re sult which would be little less disastrous to the East than to the West.
It has been rendered possible for the great West to reach a rapid and prosperous devel opment by a system of low rates upon the movement of the leading productions of that region to tide water. The attraction of the West, enhanced and made available by the unpararalleled creation of rallroad facilifrom the induced a movement of population overburdened to the West, thus relieving an those causes of discontent and restlessness among the employed laborers of the country that eventuate in serious disturbances of the established industries, and frequently threaten the public peace.
On the other hand the abundant produc tion of food by the utilization of the West ern lands, and its cheap distribution by railway lines to remote distances, lighten he burdens of the laborer and increase the ability of the country to carry on its indus rial development.
It will be seen that the benefits derived from the low system of rates prevailing on the great movements of food products as compared with rates upon movements more local in character, are shared by each section of the country. And since these bene fits are felt alike in every part of the country, it is no unjust discrimation to discriminate in the charges made upon long and short hauls.
It may be further remarked that this differentiation in rates is the result that has been brought about by no conventional or voluntary arrangement between companies perating inter-State lines of railway. But it has been forced by the natural laws of commerce operating upongeographical lines, which cannot be changed without changing the distribution of land and water on the onthent, or by anmihilating distance with out the aid of steam, and any attempt by
the law-making power to contravene these natural laws thus necessitated by our geographical situation, would end in disastrous derangement of our commercial sysIt
It would draw out this paper to an undue and tedious length to point out in detail the evil consequences which would attend an attempt to force upon the carrying business of the country a system of maximum uniform rates applying to inter-State traffic. It would appear to be sufficient to say such scheme would be utterly impracticable. The re sons already stated we think, ren der this obvious, but others might be given as, for example, that a system of rates for inter-State traffic over trunk lines operating between great commercial centers like Chcago and New York where the volume of raffic has reached a maximum limit and the most commercial a rminal facilities the been provided for the cheap and expeditious beendling of freiphts would be unadapted to anding or freights would bo unadapted to voluds whose has olume, whose hauls were shorter, and hose The impracticability, then, of establishing system of

## unifobm maximum rates

to apply to all inter-State Commerce, would necessitate, if the power to make rates was conferred upon a National Commission, the making of differential rates substantially comforming to those systems now in existence, and this would involve the minute study of so vast a variety of interests, the adjustment of so many conflicting rights, and such an infinitude of detail, as to render such a project chimerical.
The rapid decline in rates within the past five years, especially those pertaining to inter-State traffic, carried on over the leac: ing lines of the country considered with the fact that the causes which have brought about the reduction are still operating with undiminished energy, would seem to obvi a'e any necessity of confering upon a Na tional railroad commission the rate-making power. The rapid development of immense wheat areas in India and Anstralia, and cheap ocean trausportation from these new sources of supply to common points of con sumption of the surplus of wheat producing regions, supply additional facts to those already existing.
While the power to establish maximum rates to govern inter-State traflic could not, as we believe, be wisely or usefully employed by a National Railroad Commision, such a body might usefully exercise the functions of entertaining complaints from shippers of undue and unreasonable charges on the part of railroad companies, and judge of the reasonableness or otherwise of the charges complained of. In this way a prima facie case might be made for the courts Whether or not any given rate or charge for a specific service is a reasonable charge is frequently a question depending upon great variety of facts, many of which ar not readily accessible, and the pertinency and value of which can only be adequately judged by experts, so that if the shipper is left alone to pursue his ordinary remedy at law, without the preliminary aid which commission may afford to him, the remedy in most rases, is impracticable and value less. Complaints of alleged extortion and of unjust discriminations might be investi gated in like manner, and when evils of the
(Concluded on page 4.)

## The Stock Jnterest.

public sales of fine cattie. Dates claimed on



The Sheep-Raiser of To-day, This paper has been arguing in favor of holding on to a few good sheep, and learning how to meet the situation outside justas it is. In sympathy with that doctrine, the American Sheep-Breeder and Wool-Grower says that in many 1 e spects the sheep-raiser of to-day differs
from the shepherd of other days; that from the shepherd of other days; that
is to say, his methods differ; for some one truly says that in all great essentials the man of to-day is the same as the man of ages ago. But the conditions of society are so unstable, that a man engaging in any kind of business in these days must have his wits about him more thoroughly than ever before. There are so many people rut of 6 m ployment, so many people sceking easy ways of making meney, so many seek ing to make a living "with their coats on," that society is kept in a perfect turmoil of inventions and shoddy sub stitutes for the staples of life.
The shepherd of other days was not vexed so much by questions of tariff, the invasion of foreign wools and spurious imitations. He did not always get high prices for his mutton and wool, any more than he always got high prices for his wheat and potatoes, but as a rule he charged it up to temporary natural causes. Now we have discriminating railroad charges, shaky tariffs, base adulterations, all in addition to the trials which beset the wool-grower in
the days when there were no railroads the days when there were no railroads the nearest town and sold it for what it would bring.

A short time ago sheepmen, with others engaged in producing things for people to eat and wear, were of the opinion that they would soon find a good deal of help in their business
through the warring of other nations. But now this slight hope, based on the small amount of good that is always certain to follow the large amount of evil, has seemed to vanish, and once more the sheep-raiser, after depending for some time in vain for help in selling his wool upon the restoration of the old tariff, is brought face to face with the fact that he must go ahead and make the business win purely on its own merits without any outside aid or bolsterang.

An idea which is fast gaining ground with practical sheepmen is that small flocks-comparatively small ones-are tion in the range countries at least used to be that the larger the flock the greater the profits. This idea is fast being dissipated, and the days of handling sheep by the tens of thousands is numbered, even on the plains of Texas. Certain kinds of sheep do better than others in flocks of several thousands, but it is a
fact which experience has demonstrated, fact which experience has demonstrated,
that there is no kind of sheep which will thrive as well in a large flock as in a small one. In these huge bands of sheep a vast number die and a vast number are left, and none receive the attention which common economy demands. It may pay in one sense to have one herder attend to more sheep than two men could properly see to, but it pays in no other way; and it must be remembered that the item of expense involved in the wages of the man who attends the flocks is one which is either the largest or the smallest in the busi-
ness, for the profit or lose of the flock depends more on him than upon the man who furnishes the money and a tends to the financial management.
In a general way it may be set down as a fact that to attempt economy in the pay of the man or men who look after the sheep every day is to turn what should be profit into loss, for men of experience know that the sheep-herder who pretends to work for the least pay is generally the most expensive individual that could be engaged.
The skeep-raiser of the present time seems to think he is beset with an unusual number of hardships, and so he has a great deal to contend with in order to make his business a success, but the hardships are simply incident to the competition and close figuring of the
times. times.
With careful attention and an application of judicious business management sheep and wool-growing can be made to pay as well and better than in he "good old times"

Grub in the Heads of Sheep. This is one of the most destructive
roubles among sheep, and also one of the most difficult to manage. In our last issue the subject was touched upon n answer to an inquiry. If the matter can be taken in time, danger may be removed by administering remedies that will cause frequent and violent sneez-
ing, as snuff or turpentine. If there is some loose, fresh plowed ground in the pasture, it is said to be good, for the
sheep will stamp it, and paw it, and rase dust to cover their noses in effort to get away from the gad-fly which is the author of all the grub tro ible. But edy. edy. Holes made in logs or thick planks or pieces of scantling-holes, say two inches in diameter, and smeared about the edges and sides with tar, and salt kept in the bottoms of the holes, so that the sheep, when licking the salt, will get tar on their noses, is good, also; but sheep in the mornings just before going out to graze, and smear their noses lightly with tar, being careful to get it well about the edges of the nostrils, and on the lower parts of the inner surfaces. This method makes a reliable job of it. The shepherd then knows that the tar is just where he wants it. The tar (pine) is a specific against the attack of the gad-fly if it is used in proper time and well used.
To let the sheep run in wocded pasture is also a very good thing, and if the grass is long, or if there are some low bushes, like elder or pride of Virginia, so that the sheep can have their noses protected while eating, that is good. The fly lays eggs in the nose where they hatch and the larva or grub crawls up into the head through the passages of the nose. Anything that will keep the fly away from the nose will prevent the grub business wholly.
Every farmer's boy has observed sheep trying to shield their noses from the fly. They gather in bunches along fence corners, where there are any, at the roots of trees, where there are any, and out in the open sunshine, where there are no objects like trees, fences or walls to collect about. They hold their heads down close to the ground and try to have their noses secure from the fly in some manner. This is the best the poor farmer will help them by furn. I the farmer will help them by furnishing some means that the sheep can utilize themselves they will do it.
As to the time when remedial work sould begin, it depends somewhat on he season and locality as to longitude, atitude, altitude, etc. But every active
gad-fly comes. It annoys horses about as much as it does sheep. In Kansas the work ought to begin early in June and be kept up until the latter part of September.
After the larva is deposited in the nose, the trouble is greatly aggravated, and after the grub gets into the head, if it is not removed, the sheep will die. And the difficulty of removing it is so reat that it is safe to say in general terms that when a sheep has grub in its head its time is up.
Before the grub reaches the head it is sometimes removed as we have said by the use of substances that will produce sneezing. We have just read a sugges tion worth considering in the American Sheep-Breeder and Wool-Grower, given in reply to queries on this subject. The writer suggests that if a sheep dies the owner may determine whether the cause of death was grub in the head, by break ing the skull and examining the inside. The remedy suggested is this
turpentine and spirits of camphor in a small bottle, and with the use of feather insert some of the mixture in the nose of the sheep, which will kill the grub."

This remedy was tried successfully and the writer adds-"We are informed that if turpentine alone is applied externally to the soft part of the head with a sponge or a piece of muslin it will be equally efficacious, and can be done much more rapidly, but of course will take more turpentine. This remedy we have never tried, but the other we have, and after using the mixture in the evening, observed the following morning a large number of dead grubs in the corals or pens."
It is said, too, that tobacce smoke bown into the nostrils will dislodge the grubs.

## Breeds and Families.

A correspondent of the American Aqrculturist gives the following illustrations of the difference between breeds and families :

In the breeding of live stock, everybody realizes the subdivision of races into breeds. Among cattle we have Short-horns, Devons, Ayrshires, Jer seys, Dutch, etc., and it is Impossible to establish definite limits to their multi plication. Among dogs we have point ers, setters, mastiffs, etc., in great numbers, and so among all the races of quadrupeds, birds, and even fishes, which come under the influence of intelligent breeders, breeds are multi-
plied. These breeds occasionally break plied. These breeds occasionally break
up into sub-breeds, as setter dogs into up into sub-breeds, as setter dogs into English, Irish, Gordon, etc., and when carefully bred, they always break up into families. These are essentially short-lived from the nature of things. A family may possess strong peculiarities, great pre-potency, and the individuals may bear to each other strong resemblances, but in the course of years, continued close breeding within the family will weaken the constitution, or lessen the profit to the keeper in one way or another, so that he is actually forced to take outside crosses, to maintain the character of the family. As an example, the famous family of Duchess Short-horns was first maintained intact by the Oxford cross, which finally became so blended with the Duchesses that other crosses were forced upou breeders, each one doing its share to dilute the blood and destroy the identity of the family. The highest value of families is for crossing and grading Among the Jerseys as now bred, we see this strikingly shown. The great producers are all recent crosses of great butter families. These crosses between families serve in this way to intensify the characteristics of the breed. The blood of different families does not al-
ways unite well to produce the soughtfor qualities. When this is so, the families are said not to "nick" with each other. Yet they may, and probably will nick well, crossed with others. Thus the blood of the famous English bull Rioter, when it has been crossed duced great butter-making cows."

## Attend to the Hogs.

We find this clipping-from what paper we bave forgotten, and it is not credited
Willing that others might profit by my losses as well as by my experience, I will note a few facts in regard to hog bly reminded to do this in as much as there are quite a number dying in this vicinity. Some of this fatality has been attributed to what is known as hog cholera. Possibly this has been true in a few instances, but more generally it vermin am convinced of the fact that authorities on hog diseases do not put the estimate too high when they say "nineonths of the hog diseases nally. Lice will pierce the skin, enter the head through the ears, infest the eyes, and attention not given, in time will cause death. This is not imaginary; I know it from experience. I they do not cause death they will cause a qeneral debility, and hogs will not
thrive so infested. Now don't say your hogs are not full of lice till you examine them; catch one or more, look in their ears, and you will find them as sure as you have hogs, unless they are fed on slops or milk from the house.
of any kind is a good preventive
Now, what I mean by non-aitention is this: Neglect!ng to give your hogs as much salt and sulphur, wood ashes, ents as they will eat; observing closely that they all come up to eat; if they are fed regularly, etc. Now, if your hogs have become lousy from non-attention, make a strong solution of tobacco, and
while hot mix in sufficient hog lard to while hot mix in sufficient hog lard to
make a thin salve, and apply thormake a thin salve, and apply thoroughly, or wash them with a strong lye
of wood ashes, or suds made from homemade soap.
This I would suggest to farmers more particularly who raise large numbers of
hogs in woods pastures and lots; parhogs in woods pastures and lots; par-
ticularly those who have-woods pasticularly those who have-woods pastures; lice will infest the hogg, as they kind will not be troubled much if in the sun a good part of the day
I need not tell you what I mean by filth. I will simply say to you that the hog is one of the cleanliest of the brute creation of you will only give him an opportunity, notwithstanding his hogship
likes to wallow in the mud. ikes to wallow in the mud In conclusion, I will say to those who have young hogs to examine them at
once if sick, and if infested with yermin, treat not only those sick but the entire herd-as a pig once sick is almost sure to die.
To a hard-working horse, repose is almost as much a necessity as good food,
but tired though he may be, he is often very shy to lie down, even when a clean bed is provided for him. Unless al orse lies down regularly, his rest is never complete, and his joints and sinews horses that sleep it is is true that some continue to sleep in a standing position equally true that they would wear much onger, and perform their work much onger, and persorm their work Young, nervous horses not unfrequently refuse to lie down when first made to occupy a stall, and, when introduced into a town stable, the habit may be confirmed, unless inducements are offered to oversme the disinclination.
The best sheep is the most profitable
ane under all circumstances. $A$ sheep one under all circumstances. A sheep how well-bred it may be, should have no place on the farm, under ordinary circumstances. We would rot argue in favor of any one particular breed, for
we believe that it is not so much the we believe that it is not so much the
kind of sheep, as that the animals be kind of sheep, as that the animals ${ }^{\text {good }}$ specimens of their particular good specimens of their particular does not matter whether a farmer wishes to raise mutton sheep or Merinos, as the profitableness of sheep raising does not depend exclusively on the breed, but on the individual merits of the animals
comprising the flock and the keep to which they are subjected.

## The Zeterinarian.

 er.
Swelled Ankles.-We have a mare fiva years old, perfect in every respect, but while standing in the stable her hind ankles give way, like a person's ankles turning; in traveling they selcause and cure, if any? Is it likely to injure her permanently? [If the horse aging soaked with strong decoction of oak bark. $]$
Bloody Milk.-I have a fine heifer with her first calf, and occasionally she gives bloody milk for a few days. She has all the good feed she can eat. Please tell me what causes the trouble, and what should be done to prevent it. The causes of bloody milk are various; produce it. If it to the udder might produce it. If it comes from only one some injury to that part of the udder or to the teats themselves; but if from the whole of the udder it may proceed from some derangement of the system A red sediment at the bottom of the milk often occurs in the disease called "red water." Heifers with their first calf are not infrequently troubled in the manner mentioned from a congestive
state of some of the small blood-vessels state of some of the small blood-vessels
of the udder. A mild laxative may be given; about half a pound of Epsom salts and a teaspoonful of ground ginmay be gently hand-rubbed, with the may be gently ha
Acute Enteritis.- One day last week I was called to see a mule that had been ailing for about twenty-four hours. When I first went he was standing with his fore feet somewhat stradded and suffering very much. On examination, 1 found his ears and nouth cold, his pulse very high, quick purple, his tongue was dark and cold when he would step his feet would move ery quick and in a semi-circle; at in ervals he would jerk and the muscles would twitch, almost amounting to its; he would then struggle and beat his fore feet against himself. Not being much of a horse doctor, I gave minutes it seemed to give him ease, vorse than ever and after threshing imself at a furious rate a few minutes e died about 90 clock $\mathrm{p} . \mathrm{m}$. The next morning he was cut open; his bowels were all afloat in water, his small intestines were also full; his gall and liver seemed to be all right. His lights were hard substance or clot of blood in the ir cells. The kidneys were solid the in proper shape, and the water above ealthy of was about the color of Could seeno animal, a light tinge of red ver, he had been troubled with very oose bowels all the time he was ailing Did not urinate very often, but when e did there was the usual amount and ast spring had not was ode, and was running on worked or plenty of water. From the meager lescriptions that I have been able to give, can you give me, through your
veterinary column, what the disease as, also the care and cure, and oblige The mule died of acute enteritis-inammation of the bowels-and it is ery probable that by the time you first aw him gangrene of the bowels had death very soon follows when it does most eminent veterinary practitioners contend that when an animal of the orse species becomes attacked with acute inflammation of the bowels, it never recovers, and the writer fully onsists in placing the animal in arge, well-bedded, box-stall, and in the medicines stage giving doses of sedative medicines, such as ten-drop doses of for five or six doses. The pain should be controlled by large doses of opium or morphine, injected subcutaneously mustard smeared over the abdomen, or blankets steeped in hot water and wrapped round the body, also help to relieve the pain. Warm water injec-
tions may be used, but not too fre-
quently. Medicines having a purgative tend to diminish the animal's chances tend to
of life.]

## The Suwanee River.

The other day two or three of us went to that spot famous in song and story-the Suwanee river. The ride to the gulf has the trip was swift and agreeable. The jun gles had lost none of their beauty, the splendid magnolias were in bloom, the grand oaks were garlanded with gigantic grapevines, and the moss was as gray, silken, and fantastic as ever. One takes a small steamer going for some distance along the gulf,
and, after a night's rest, looks from the sheland, after a night's rest, looks from the shel-
tered deck upon the lovely Suwanee. The Jhn's, bending in and out in innumperable
curves for over one hundred miles. In its clear waters you can see the fish leaping and sire course seems bend throughont its en-
seare last; every stretch more romantic and beauand as fav as the eye can reach one tropical, unbroken line of symmetry. If some garhis work would call for hearty admiration but it is all the handiwork of nature, that seems to be broken, not a faded leaf can be emerald, and underneath a greensward like bars of silver, where the sum throws vivid deep shadows. "Dar's whar de old folks lib" saps a swarthy deckhand, as he doffs his rimless hat, show broad white ivories and laughing logs and two or bend is a little hut built o on the greensward to see "de boat ride." and if to add pathos and realty to the poet vision, there comes out an old, old man, his
head whitened with the frost of age, and stands leaning on a stick to watch us out of And later on comes the moon to add to
the witchery of the surroundings. Over yonder the river has washed in under the ive oaks, the tall cypress, and the pines. wild shores. I have no doubt they were a wild, and perhaps as wayward, as their
brothers of the West-rejoicing in scalps brandishing the war-knite with savage satisfaction, and setting fire to the peaceful
habitations of the white settlers along the borders. In all probability the poetry of their uncivilized natures, though its waters may have kept them cleaner than the ma-
jority of their race. They did have some music in them, however, for notice the y we reach a plantation, but it is in rums. Yet it blends well with, the soft, sad beauty
of the night. Whether or not it is "de ole plantation," who can tell. We know that
once it was peopled with happy famity once it was peopled with happy family
groups, massa's children and massa's
slaves. The tinkling notes of "de banj", slaves. The tinkling notes of "de banjo"
were heard under the eaves, the negroes sang their plaintive melodies, while "de deserted lawn that slopes so gently down to the water's edge. We stop at several land-
ings, one of which are the famous iron
springs, and wherever we go, the wonders enge our admiration. water and sky, chal-
It is the paradise of
the South-the wonder-wilds of and tourists who did not inyestigate its
beauties have lost much that would make memory a pleasure

Are You Going South?
If so, it is of greatimportance to you to be fully informed as to the cheapest, most d rect and most pleasant route. You will
wish to purchase your ticket yia the route hat will subject you to no delays and b tart you should provide yourself with a yo nd time table of the Kansas City, For
Scott \& Gulf Railroad (Memphis, Shor
Route South). The only diremt route Route South). The only direct route from
and yia Kansas City to all points in Eastsouri and Texas. Practically the only ronte
rom the West to all Southern cities. rars trains with Pullman Palace Sleeping
Care Reclining Chair Cars, Kansa Cans to Memphis; through Sleeping Car
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W ALNOT PARK FARM. - F. Playter, Walnut


 DEXTR SEYERY \& soNs, Leland, III, breeders C Evani-CROFT HERD SHORT.HORNS. - E. O.

T. M. MARCY \& BON, Wakaruas, Shamnee Conty horns. If yon wien a young buil or shorcted shorn cow
 A LTABAM HERD. W. H. H. Cundiff, Pleasant
 castrated.
U P. BENNETT \& BON, Lés Bummit, Mo, bred. Cototwold oheop. Berkghire swine, Bronze tarkeys and
Plymouth Reock

Powell bros., Lee's summit (Jackson Co.), Mo.

$W$. PowRLL Le's summit, MO, breeder of the

CATTLE AND SWINE.
Cottonwood farm herds,
 Berkehire swine. Orders promptly filled by ex-
prese. The farm is four of the Kanasas river.
D. A. M. EIDSON, Readng. Lyon Co, Kas., makes


 I Have 10 young pure.bred Short-horn Bulles, 10





CATALPA GROVE GTOCK FARM.
POLAND-CHINA SWINE AND MERINO SHEEP The swine are of the Give or Taike, Perfection, and
other fashionable strains. Stock for sale in palrs not

A J. CARPENTER, Milford, Kansas, breeder of A. Thorounh hared doland-China swine. Stock for

 F. M. ROKG \& CO., Buringame, Kas. Importer







400 W.F.B. SPANISH and P. Rockehicke 400 for sale, from my prize-winners. General agent for "Poultry Monthly," Agents:
wanted. Prepared shell $\$ 3.00$ per 100 lbs .

 $\mathrm{O}_{\text {me }}^{\text {NE DOLLAR per thirteen for expg from chice Ply. }}$
 $\mathbf{N}^{\text {EOBHO }}$ YALLERY POUUTRY YARDS- - Ratab-

N. R. NYE, breeder of the leading varietles of Choloe.
cular. Poultry, Leavenworth, Kansase. Bend for oir:

 P InMouTh rook orickens. Egga fror hath-
 miscellaneeous





 Goodwin Park Stock Farm, belort, : : : kansas.

## 

 Two well-bred SHORT-HORN COWs

## Hambletonian staliions,

## at bed-rock figures. There are few better-bred Trot ters in Kansal

Dies ANGUS and GALLOWAY cows at farm
J. s. \& w. GOoDWIN, JR.


GALLOWAY CATTLE,




## (Correspondence.

## WESTERN KANSAS.

By-way Notes of a Prospeotor in South-
Kansas Farmer
1 have been rambling in this new and narvelous country for a few months, and herewith give the readers of the Karsas Farmer the benefit of my observations. My tours have been in the present boundaries of Finney and Hamilton counties. The
soil, except the range of sand hills extending soil, except the range of sand hils extendige along the south side of the Arkansas river is almost unlversally a rich, sandy loam, is almost universaily a rich, sandy loas. A carpeted with buffalo and arams, and indeed
few miles from the Arkansas, few miles from the Arkansarface stretches all the water courses, the snrface stretches away on a vast level as true as in smonships by some gigantic plane. Whole townships oan be found with no hint of a break on their lawn-like surface. There is absolutely no choice in the sections so sar as
and surface counts in the selection. The land that is here called rough and undesira ble is either undulating or broken into hills. In many of the eastern counties of the
State it would be classed as good farm State it
lands.
The one supreme problem of Western Kansas is that of rainfall. Will seasonable and sufficient rains fall to make this an agricultural country? The same i quiry was as universally asked in the early settlement of Eastern Kansas, and answered then much more frequently in the negative than now. Whether wisely or not the faith of the pecple in this section is almost unanimous in the steady and certain increase of the annual supply of moisture. The argument, though not new, is that the soil, trodden for ages by the buffalo, antelope and wild horse, and baked by the sun, was rendered impervious to the few ralns that did fall, and hence little or no moisture was held in solutionBreaking the surface has a two-fold effect it takes up the rain, and, by capiliarls be traction, pumps from natur's secret wells be low its latent wealth of moisture, causing the planting of trees and shrubs and leafy crops is an important factor in the solution of this important question. My personal opinion, being a verdant tenderfoot, is of little value, but the assertion is ventured that all settlers should prepare for frequent dry seasons, just as the East must expect a surplus of
rain every third or fourth year. Assuming that the above theory is correct, there will almost inevitably come seasons when crop will be complete or partial failure, and every family coming here to make this gency.
The rapidity with which the tidal wave of settlement is marching westward has never had a parallel in the history of the State. The abundant rains of this and last year insures its continuance for another vear at least. I predict that every desirable homesead, Congress will, without doubt, repeal pe timber culture and preemption laws and this may delay the taking up of all the public lands by the time stated.
There is one detriment to the actual settlement of this, and I may say all new countries, in this: Too many men take up claims with no intention of making a home, but with the sole purpose of selling out, provements. The second installment of settlers will be the men who will make this desert bloom and bear fruit.
The towns are marvels of activity and growth. Garden City, one of neatest newest, livest towns of the frontier, and one where any one could take his family for a permanent home, and had, and is having, rapid and county seat of Hamilton county, and ronly laid out a few months since, is having a pandemonium of ssaw and hatchet racket. It gives promise of one of the permanen business points in this part of the State. bridge is under contract to be completed, have been informed, by the last of Septemfertile lands lying south of the river. The atest venture of a town is one now being platail City. The only trail now open fo
cattle South is along the State line, and it is expected that a permanent cattle trail will be established along that route. If so, a nid saloons, gambling establishments and dance halls, will spring into existence in a months time. A red-hot, rustling, Jay-Eye-See going town will be the next wonder.
Through the courtesy of Thos. H. Ford who, with his brother A. E. Ford and $A_{1}$ . Ford and Frank Wariaumont own one of the most beautiful ranches in Western Kas once Stantin county, and the country wath of Syracuse. The country is rich, suth of Syracuse. Tho co untaken. As I beautiful and almost wholly untakem. As I y ore thi styblents-silence, sunshine
 and soil. I could but refect upon the folly隹 ants of the states bast of the ho coul cone ard for the mere hard of this incomparable land for the
The trip South was fraught with nove sights of droves of fairy antelopes and of the wildest of wild horses, and enlivened by several battles with hideous rattlesnakes, While at the Ford ranch, I witnessed for he first time the sickening sight of branding cattle. It seems to be one of the neces sithes, but it is one of the most heartrendan animals. The pitious cries of the helpless creatures, as the red-hot brand roasted its way into their quivering flesh, still ring in my ears.
Permit me in closing this prosy letter, to extend an open palm with my heart in it, to the entire outfit at Ford's ranch-T. H., A E. and J. W. Ford, Frank Warlaumont and Jesse Boyd. May their herds be as prolific speedily become benedicts.

Orops and Stock in the Southwest.
Iansus Farmer:
Ihave jut returned from another cruise through Edwards, Comanche, Pratt and a leased than ever with the prospects of rops. A great deal of the corn is hard onough to make a crop if no more rain should fall, and 1 have never seen better corn crops in any country or State than I see in southwest Kansas. The finest crop that I have seen for many years I saw on Ir. Carpenter's farm in the southwest portion of Pawnee county. The field contains wenty acres and stands full ten feet high, with the largest ears I most ever saw, and the ears are filled to the point. Mr. C. tells me that he has another field equally as good. Ie has several acres of splendid potatoes and a good supply of other vegetables of
various kinds. His sheep are looking fine, but have a little scab.
I saw a few cornfields that were severely injured by the drouth and hot sun, as I cossed the Rattlesnake bottoms, but none on the sandy uplands. Everything there
was green and growing. It was different on was hreen ands, and especially on the north side of the Arkansas river. Corn and potaside of the arkansas river. Corn and pota-
toes had suffered severely, and some farmers had already commenced to cut up their corn for the fodder. More people are becoming for the fodder. More people are becom, and
convinced that sand is the mostreliable, and the sandy hills, both north and south, are being taken up very rapidly. Little land being taken up very rapidy. Little lan can be found now, even.
Stock of all kinds are looking fine and seldom hear of any mortality among any Cattle are down, and sine are some inquing for sheep, and a few are buying for future herds.

The country is settling very fast, and land is still on the rise. We have an occasional shower and but very little wind. The summer has been the warmest that I have seen in Kansas. There are more preparations for wheat than there were last fall. Some threshing has been done, and a few crops turned out better than was expected. Money is extremely scarce, but we are learning to do without it. Larned still keeps up the boom; many fine buildings are still being put up. We have four lumber yards now, and all are doing a good business. It is a great town for windmills and forest trees, as well as fruit trees and vegetables. Al though the health of the population is good,
and sickness and deaths are rare, still the
drug stores are rapidly increasing, and the
sale of medicines, in the shape and form of sale of medicines, in the shape and form of
beer, whisky and hard cider, is immense. beer, whisky and hard cider, is immense.
Larned, Pawnee Co., Kas.
"Olydesdale Pedigrees and Stud Books." Kansas Farmer
"What is the difference between a stallion with a pedigree and one without?" or what is the difference between a Clydesdale horse being recorded in the Select ClydesMany people I find have confused ideas Many people I find have confused ideas
regarding this matter, and I will therefore regarding this matter, and I will
The Clydesdale Stud Book of Great Britain and Ireland is the only Scotch Stud Book that is recognized in this country, inasmuch as it alone contains correct pedigrees extending back nearly a century, and the great
bulk of which are duly authenticated and bulk of which are duly authenticated and vouched for. The Select Stud Book socalled, is in reality no stud book, as it contains no pedigrees tracing back more than one or two generations, and many of the entries in the book have neither sire or dam mentioned. Indeed, the most of the entries in this Select Stud Book are comprised of animals not eligible for registry in the proper stud book.
To show the worthlessness of a record in this select stud book, I may state that at the exhibition of Clydesdales in connection with the World's Fair at New Orleans last debarred from competition on account of their not being recorded in the regular stud books; and the fact of their having certificates from the Select Clydesdale Horse cates from the Select Clydesdale Horse
Society was not sufficient to enable them to Society was not sufficient to enable them to
compete as Clydesdale. I aiso notice that most of the State Fains now offer premiums for Clydesdales recorded or eligible for record into the recognized stud book; that is, the Clydesdale Stud Book of Great
Britain and Ireland and the American ClyBritain and Ireland
desdale Stud Book.
This Select Clydesdale Stud Book and the ecords, therefore, are practically of no value whatever, and only mislead the people who attach any importance to such records. I am, etc.,

## A Talk About Wheat, Insects and Weather.

 Sansas FarmerAt least one of the problems which has so much perplexed the minds of our farmers here has been solved by Prof. Snow in his
interesting and very instructive essay in the interesting and very instructive essay in the
June report of the State Board of AgriJune rep
During the month of May the wheat in this section promised much more than a
half crop, but a change came over it-that half crop, but a change came over it-that
is much of it-its life-blood seemed to be is much of it-its life-blood seemed to be
abbing away, and in ten days many farmers who before had prospects of a half crop
found the prospects wholly blasted. The found the prospects wholly blasted. The
question with every one was "what is the matter with the wheat?" Some said Hessian fly, others said chinch bugs, still others said it was a freeze, while many others frankly acknowledged that they did not know. I
belonged to the last class. I examined the wheat thoroughly and could find nothing; was satisfied it was not the Hessian fly. Prof. Snow steps forward and says it is the Wheat-straw worm.
We are much obliged to the Professor for his introduction to this stranger who has so time, and for the valuable information first titne, and for the valuable information he
hands over concerning the peculiar habits hands over concerning the peculiar
and characteristics of the gentleman.
The sudden and unexpected appe before us of both the Hessian fly and the Wheat-straw worm it seems to me,
should command a halt all along the line. should command a halt all along the line.
Farmers should stop, set down and consider Farmers should stop, set down and consider
what course it is best to pursue in order to what course it is best to pursue in order to
dislodge and put to flight these deadly foes dislodge and put to flight these deadly foes
of the wheat crop, and at the same time make general agriculture most profitable. The standard remedies, Prof. Snow says, are "the burning of the stubble and rotation of crops." Rotation of crop means tame
grasses, clover, timothy, orchard grass, etc. Now, if this seeming calamity forces us $i$ ito a system of farming of much higher merit, a system which preserves a due equilibrinm of crops, including tame grasses, and at the same time preserves and increases the fertility of the soil to an indefin-
ate period, then this evil may in the end become a blessing to us. It may, howeyor,
be well enough to say just here, that had there not been a Hessian fly or a Wheatstraw worm in Kansas, that the wheat crop very much over a could not have been given by Major Sims in the June report. It was not a wheat year. The wheat gods were off on a journey. It got no start in the fall, and the unmerciful cold of winter penetrated its poorly sheltered home and it surin thered. The season has had no paralle and the woll plowing is the establshed rule that "early had an exe heretofore plas heretofore, had absolutely no exceptions, but this year without a single exception in our county the wheat on the earliest plowed ground was the deadest in the spring. Of course I can see a reason for it now. When
the early plowing was done the ground was dry and broke up in clods, and the rainfal afterwards was not suflicient to pulverize them. The soil remaining in lumps during the winter the cold entered more freely and froze out the wheat. When the late plowing was done the ground was in better condition and the wheat came up better and was in better shape for the winter. Last year the most enterprising farmers suffered the most, while the lazy "hog it in" fellows come out ahead. Still, I prefer to be classed among the enterprising fellows.
This year our ground as soon as the crop was off, was in the best condition for plowing, and with the exception of having been too wet some days, it has been in excellent condition ever since, and some of our farmers have over one hundred acres plowed already for wheat and rye. Our corn crop is the biggest ever known in the county. It simply immense
M. Mohler.

Ellsworth Oounty--Farmers' Union.
Kansas Farmer:
It is very seldom we see anything in the FArmer from Ellsworth, the geographical "hub" of the State of Kansas-and I would States.
This county has been favored with plenty of rain. A large acreage of corn was planted, which is very fine. Corn has not been affected by worms or insects of any kind. Potatoes are large and of an excellent qualother products of the soll. Fruit, with the exception of peaches, will average with ther years. Stock of all kinds have made ine growth and are healthy.
The farmers are, or should be, happy with their productions; but prices are so low that it does not pay to sell, excepting in beef and pork.
The Ellsworth County Farmers' Union, an organization composed of our best farmers, is doing a good work in co-operating, and beneficial results to the organization are being realized. I was well pleased with L. Peters' article; but the protection he is after can only be secured by the united effort of the farmers through organizations of farmers' socleties, which must grasp the the Nation. Let farmers maral interests of elect a farmer to every position they are eligible to fill, from township offices to the Presidential chair, and then, and not till then, will the farmer realize that his calling tive. No chable one and his labor remunerreceive so little for their labor as the farmrs, and no class of men are more to blame or this lamentable condition than the farmors themselves. They must organize into tate and National unionsand demand their ights with their votes, a power that will not be slighted, overlooked and pigeon-holed like a pet
respected.
For the benefit of the readers of the FArmer, I will send a copy of the constitution of the Ellsworth County Farmers' Union, and urge upen the farmers the editor will grant so much once. If the ask his indulgence again. D. B. LoNe Ellsworth, Kas.
nd by-laws of the will print the constitution ers' Union.-ED. K. F.]
The last report of the French Department tan one million acres in vineyards, owing tan one million acres in vineyards, owing

## About Tame Grasses.

The following correspondence was handed to us for publication. It explains itself, and is well worth reading:

Hays City, Kas., July 16.

## A. E. Taylo

La Fontaine, Wilson count
I have just read your letter Mixed," and would like to ask you what
ime of the year is the best to seed with

## hese mixed grass You do not lik <br> reasons. I have a small pasture of alfalfa that I seeded <br>  <br> hing else that they can get that is green Nor will they eat it when made into hay have tried to starye a cow the <br> would actually grow poor standing in alfalfa knee deep, with two good messes of chop <br> night and morning. I propose to plow it under, as I consider it almost worthless as a forage plant and shall sed <br> forage plant, and grass for pasture. <br> Yours, etc., Treat. M. J. R. <br> REPLT. <br> La Fontaine, Kas., Aug. 5, 1885.

 Mr. M. J. R. Treat, Hays City, Kansas: Dear Sir:-Yours asking me to give thetime of year to seed tame grasses mixed time of year to seed tame grasses mixed
(mentioned in Kansas Farmer) to hand. Would say that I have had the best success seeding in early spring as soon as the ground is in order to work after March 1st. I will further say that I have had good luck seedmillet stabble land then in the spring when I get ready to sow my grass seed hitch a team to a revolving harrow that has been well sharpened, drive into my millet stubble just as I find it, let one of my boss drive the team while I sow the seed behind the harrow. After we get over a few acres, the boys will go back and harrow over again what we have sowed, and then we will sow another few acres, and so on until the field
is fintshed. I have had is inished. I have had good luck sowing
this way. The main cause of the failure in this prrt of the State is on account of the soil being too loose. This plan get away with that, and the millet stubble serves
a purpose as a protection through the suma purpose as a protection through the sum-
mer. Now, this is my plan for sowing tame grass either mixed or unmixed. I know tha It is not very popular, but I had rather risk it than any that I have tried or seen tried, though I think it very essential that your
millet land (when you are going to millet land (when you are going to follow
with this mixture) be plowed deep and with this mixture) be plowed deep and harrowed down very level.

Yours truly, J. E. Taylor.

## From Osage Oounty.

Kansas Farmer
Having seen nothing in your much esteemed paper from the farmers in this county, take th
tings.
Farmers are busy putting up hay, of which considerable will be put in stack this season. gears. Corn is the main cereal that is cultiyears. torn is the main cereal that is cult-
vated to any great extent and promises a good yield, although the summer has been exceedingly wet, and the farmers have had difficulty in keeping their fields clean from weeds. The corn on the upland is fully as
good as that in the bottoms aud much cleaner. The heavy rains this spring and summer have caused the bottoms to be very
nearly untillable, weeds taking the start of the corn.
1 think it would be a good policy it the farmers would generally lay more tile and
drain their bottom fields thoroughly, would in the long run by a large increase in crops.
The web worm visited us, but no material damage was done. At places, I have noticed he kiled the weeds; but where there has so that the corn is now lying flat with the ground in small patches.
Oats promise a fair yield. Potatoes and vegetables are splendid and will be a full crop. Fruit is somewhat scarce, excepting be about half a crop. Peaches none; near'y all the older and larger trees have been wiu-ter-killed and are fast dying out. I think
farmers must abandon setting out young peach trees in Kansas, as the climate is not suitable any more, it being too cold and

## Millet

In fact it hardly ever fails good this year, and crop if sown on the right kind of soil and crop if sown on the right kind of soil and
under proper circuustances. But owing to
the scarcity and high price of the seed last spring, but little of it was sown. Farmers ought to thresh more ot their millet so as to get plenty of seed. It will pay.
On the subject of tame grasses I am much interested. The common prairie grass is not going to last long and will soon disappear from our fields. Farmers are eagerly looking for a better substitute, and more tame grass is being sown every year. Orch-
ard grass seems to prevail as the best, both ard grass seems to prevail as the best, both or grazing and for meadow. It seems to be ardier, notwithstanding the drouth and dry winds of the late summer, and the heavy rains in the spring, better than any other rasses. Blue grass is hard to get a good start, but after it has fairly gota start it makes excellent pasture. Some red clover has been sown, and alfalfa seems to thrive Success to the Kansas Farmer, may it find its way to the home of every farmer in Kansas; may it never cease to be interesting Yours Respectfully,
J. A. Anderson.

From Russell Oounty.
Kansas Farmer
As harvest is past I will try and once nore give your readers a few more items rom Russell county. Our wheat has been put up in good condition, and is of a fair uality; oats are very short straw, but well filled; spring wheat that was put in early is a good crop; rye is good but only a small acreage sown: corn is the best we have ever uality dany and quantity. Threshers are busy We have up the grain that was not stuze this summer, except a short time, when oats were heading out; oats and the early June grass are the only things that suffered.
The immigrants that came this spring are nearly all here to stay and are doing well. There are still some pieces of Government and in the county, mostly rough land that is suitable for grazing, and considerable railroad land yet unsold.
I see our States Prison Warden in his re port for' 83 and ' 84 claims a larger increase of crime in the counties where prohibition is most rigidly enforced. I would like to ave some kind of an explanation or reason or it, as that is net the way it works here; or the more thoroughly prohibition is enorced the less crime there is
Stock of all kinds are looking well. Sheep have not paid yery well this summer on
account of the low price of wool. A good many people are paying more attention to raising colts and it appears to pay well.

Russell County Farmer.
[The truth about prohibition and crime is,
that in any and all places, where strong chat in any and all places, where strong munity. But, among most sober people,
occasionally a villain appears, mentioned is not worth anyears. The report ical document beyond the mere facts relapense of maintaining them. If, you want to
pbtain facts that are trustworthy subject go to the county and city on this
Vhecords. Where the law is enforced in all the State
or a number of years, then the penitentiary ligures may be of some value as to the State, counties; but the local records will always
be better for local purposes.-ED. K. F.]

## Bismarck Fair.

The Bismarek Fair managers have puschased a beautiful and well-bred driving horse, which they propose to give away to
 air will be allowed to guess on the weight of the horse. A record of every guess will e kept and will be open to the inspection of all guessers when the record isciosed-Sept. 12 th , at $2 \mathrm{p} . \mathrm{m}$. The horse will then be veighed on the city scales, and the party who guesses the nearest of the weight will be required to pay $\$ 1.00$ on receipt of the
horse.

Excursion to Kansas Oity.
The Topeka Press Club will give an excurion to Kansas City, Saturday, August 22d. The round trip costs but \$2. The train will eave the Union Pacific depot at North Toka at 7 a. m., and returning, leave Kansa City about 7 p . m., giving about ten hours to visit the metropolis. Secure your tickets by
Thursday for the only excursion this season Thursday for the only excursion this season

## KANSAS FARIMFR

## Sour Husbands."

## The £ome Circle.

Weighing Sugar and Butter. Old Farmer Ray came home one day With groceries from the Center:
And jinmping from his queer old shay, He called out like a Stentor, I', there Bring out the steelyards, Ruth T'm some mistrustful, I am,
Friend Barton's scales don't tell the truth,
And So then his wife the steelyards brought, And farmer Ray proceeded
To weigh each article he'd bought
, To weigh each article he'd
To se if aught was needed
To make it of the proper wel To make it of the proper we
And, Iol the trial ended, And, lor the trial ended,
The sucar lacked just one pound, eight,
Of what had been pretended. Into his shay jumped Farmer Ray, Then out the gate, and down the way He started oft, , as if he
Were riding for his Were riding forl his ifife. "I'll, teach The rascal to cheat me, sirl ", "1.l make $h$ a speech
He muttered.
As sure's my name ain't Cesar??
Arrived hefore the Center store,
He roug Iy shouted, "Whoa, To Dobbin, then turned towards the door, To seek he henilty grocer.
There, at his desk, friend B There, at his deesk. fritend Barton stood,
So smiling, fat, and ruddy, One felt at once, he was too good To
"Oho! Back, are ye, Farmer Ray?" "Left suthin" that thou brought, here, hey? Wall, now, I felt right sartin"-
But here the farmer cut him short;
 1 And I've come back to git it!
"T'd like to know," continued he, "How much white sugared usually,
You sell folks for a dollar:" You sell folks for a dollar? Ten pounds, eh? Wall, you jes' weigh this; Purtends to be; but if it tss',
Thon I'll agree to eat it
With this he threw the sugar down His answer, with a threatening frown. The grocer, thus berated, Looked up, amazed, apparently;
Although bis mouth wa working Oddly eno agh, and in his eye
"What, neighbor Ray, d'ye mean to say Wall, now, that's funny, anyway, Was twenty when I tiied the string, Poll tell y you how know ithis, if anything,
Ys evidence to thow it.
"You brought some butter in to day, Mou brought some butill into bals made nicely;
Just twenty of "em, said to weigh A pound apiece precisely. the pail, (J) JSB , son sto save the bother)
put all twenty in one scale 1 put all twenty in one scale, in t'other
"An' so you see it must be right
An you have made an utter Mistake. However , f you a int , quite
Convinced, "1l git that butter", "Oh, don't do thatl 1 beg fou won't! assure ye there the farmer, Whew! Aint it growing warmer?"
He paused, and stood and wiped his brow
With his immense bandanna,-A very different person, now,
A sickly smile replaced his frow
A sid, twas no voice of thunder
In which (with eyes that would drop down) He owned he'd made a blunder You're right! you're right! 'Tis plain as "I was mistaken!" said he. W've stayed too long, already." So saying, he humbly took once more From where he'd lately thrown it
The sumar, and went out the door The sugar, and went out the
As if he had not shown it.
"Wall" said the grocer, watching this Retreat with quet auyhter
"I guess them butter-balls ${ }^{\circ}$,
Will weigh a pound hereafter.
 Pondering the case, , the fact the
I've had a lesson in weighn todey
'T 1 'm going to put in practice,., -Youth's Companion.

## An electric tooth-pulling machine, which

 is quick and almost painless in its operaonds. A pair of forceps protrude fromnickel tube which is connected with a wire nickel tube which is connected with a wire.
The forceps are applied to the tooth, the
operator touches a spring, a spiral arrangement within the tube winds up in a wink, draws down the forceps like a flash, and in and cast on the floor.

Doubtless your readers will think this a new subject upon which to write, and indeed you are right; but we cannot all truly of our
is an unheard of fact that many "lords of creation" are somewhat "soured" as the season advances; nor is it longer a matter of wonder, when we ourselves realize to what $\epsilon x t e n t$ they (especially do I speak
of farmrrs) have been exposed to the burnof farmrrs) have been
We all realize how soon milk will sour when exposed to the elements, and any other delicate material, will as easily become fermented. Our little ones at play, will soon tire in the heat of summer, become feverish, fretful and cross, and we, their mothors, strive by coaxing them with pleasant words, to beguile their weary hours hammock, or other refreshing nook. But the children of older growth cannot always be decoyed into the restiul meshes of old Morpheus, but take a hasty dinner, and off to the fields mantle around her, the average farmer (and little wonder) is little less than a "wolf in sheep's clothing." His strength of physique exhauted to ten times its usual warmth. An is it any marvel that after a night's tossing of unnatural restiveness, week following week of similar experience, our fagar friends nearly all present the same haggand whem all summer, owing to the lateness of the spring and there has been little opportunity for taking the needed occasional tunity
1 know not when this state of affairs may be improved, as our summers seem to bethe influence of old "Sol;" but of one the influencenfident, we wives can assist in thing I am confident, we wivd making their a great degrerable during the heated term, lives more beabd cooling by making and send , berry wine, drinks on the fermented kind-and diluted with the coldest water the farm affords. Why it makes my hitle the little just giggle in his sleeves, to see their brimgirls come near the felds wing draughts. It ming vessels of the refres to know the dear pleases the tired lare mindful of his wants. And ladies, are we all as careful of our sumAnd ladies, are we can afford to be? Do we not expect our husbands and children to possess stomachs akin to those of composed
alligator when we prepare meals compose of greasy meat (pork especially) and corres ponding articles for our loved ones, bunt ing up? Now,
same food for hot weather that we relish in cold, zero weather
Perhaps you will say, "she is wanderin from her pet subject." I think our manner of diet has just as much to do with the happy contour of the grown up boy, as with the little prattler upon the carpet, in ratio to the amount consumed by the eld a family would much sooner provide articles for cooling, wholesome dishes for summer die than the disgusting greasy trash of the average African. Yes, indeed. I do and firmly believe our common fare, condition of our husbands. Less sour bread, fewer sour husbands. That the lat ter exist to an alarming extent, where good rich bread is the rule cannot be denied, and not stir the soll, but dandy, begloyed, dudish husbands, pampered upon sweet-meats from their mother's ki.ee. With such I am not about sour husbands, their cause and cure. about sour husbands, their cause Mystic.

Olaribel is Here.
Sickness in the family and too much to do R. Brown has it about right in one paper in regard to hard-working housewives con tributing to the paper, while it is plain number that "she did not see why women could not get time to read." If she had al the work to do for five or more, part of them children, sewing and mending included, she could easily see, at times at least, how it was done.
It i
land are not able to be better informed-al of them, I mean-of course many can be, of the innumerable questions asked by the young American. We ought to be prepare to answer the most reasonable and to keep posted on current events outside of the improvement we ought to make in deeper works. I wish there was more good literature bound in cheap form; for some very desirable works are beyond our purse some times, and we have to deny ourselves Plenty of light trash can be obtained cheap. Cousin Agnes, greeting, 1 am afraid you are not conceded a very hearty welcome; but don't be abashed, its our way; we are not so bad as we appear to be. "What's everybody's business is nobody's business," is very true. I do not doubt that several thought-"I do hope Mrs. Hunter or some those able ones will write her a welcome As to the chicken business, I had no rouble raising them if I could get them hatched. 1 used an artificial brooder heated by a lamp, the heat over instead of under
Fanny Field, I was surprised that your chickens did not prosper, for 1 really thought you knew everything concerning that branch of business. I raised nearly every chick that I could get hatched from Com house with board floor, and a little ru made of laths till they were old enough to run farther away and return; fed plenty of boiled eggs with occasionally a mess of Cayenne and again black pepper, bread crumbs and milk to drink. Inse them before grass started should have planted boxes with wheat or rye an given to them, as I think green food is necessary. O, do let's have this sup your tem cussed. Mrs. Hunter, please experience, don't you raise chicks?
I do feel interested somewhat in temper ance; but unless one lives in or near a com munity where liquor is sold freely, so that they often see the bad effects of it or have some dear friend too indulgent, they seem to forget its existence. In our quiet country homes we do not realize what a terribl fering it causes nearly every day.
I wish our editor would print the song, poem, or whatever it is-""O that land of
Kansas," spoken of by Mr. Hunter. I never heard of it before, presume many would
like it, as the readers of the KANSAS FARMlike it, as the readers of the KANSAS FARMER are alt some one tell us of Agnes Weir?
Whan'tan have happened her? I would like o ask some one to, but then they do not respond very well.
Please, Mr. Editor, give us your way of
pickling ripe cucumbers.

## [ED.]

How to Keep the House Cool.
With a little attention to some simple principles the cond be made comparatively comfortable, but if they are neglected ex
treme discomfort is inevitable. Keeping the house comparatively cool is an easy matter In early morning the atmosphere which hat
become cooled off during the night is coo and refreshing. If the windows have been
open admitting a circulation of air, that open admitting a circulation of ar, tha the outside air heats up till by $10 \mathrm{a} . \mathrm{m}$. it like a furnace. If the doors and window
have been left open the temperature rise have been left open the temperature rise
inside with that outside, and while the house affords shade rrom the direct rays it is
the sun, the air in it just hot as
under a tree or an open shed. But if early under a tree or an when everything was cool,
in the morning, whers and blinds had been
the windows, doors shut, shutting in the coo air and shutsig
out the heat, the rise in temperature inside
would have been gradual and it would have would have been gradual and it would have
remained several degrecs cooler throughout the day than the outside air.
In the kitchen, where the work and cooking has to go forward, such plan is perhaps impracticable, but not so with the other por-
tions of the house. As soon as the sun is thrown open, so that the inside may cool cff with the mercury up in the nineties the
sleeping rooms get so heated up during the sleeping rooms get so het cooled off by bed-
day that the do not gein
time, especially if there is an unventilated time, especiany. Such an attic becomes hot
attic over them.
as furnace, and with no escape for the hot air, prevents the chambers under it from
cooling off. Every attic should have a vencooling off Every attic should have ation which
tilator in the roof, or gable windows,
should be kept open during warm weather, same principle which applies to the living
rooms applies to the cellar. If we would keep it cool and dry we must exclude the
hot air during the day by closingand shading the windows, and open them at night to ad-
mit the cool air; otherwise the hot air dur-
ing the day, laden as it is with moisture,
will come m , and meeting a cooler air wiil
 Walls, making the eillar at the same time
varm and damp.-Farmer's Revieve.

## Health in the Household.

Permit me orce more to eall upon the ntertaining paze devoted to the home and
 mists and clouds and dews is at hand, and
assual many will be laid by from worl
nid coninined and coninady to thile bo be lase if by not to the work neconsed the usual summer to point out thaw
 address youl We are surrounded by evil
influences that stalk forth in the darkness, not only to attack us, bat the young, the
 and, as it has been my prviliege to meat
with many such acess and to idd natury of advantage to many. Rivstithen an at maty. season. It ought to
Tevident to nil that the same system of
 attenpted in spring or summmer. 1 am not considering whether that system was right
 or food, not only with regard to season, but
lso to that of climate; hence, we do not aiso
and
here
ner eare, as buds and or blows as then. and brings forth
If then the fresh something fit for food now, that it has it is evidence to me that the work, the habits and the vital functions of man need them, ive naturally, will turn over a new leaf and The foods craved by the animal instincts heating character, as is that of the inhabit ants of extreme northern climates; and as season or climate do those same instincts
call for that which is equally nourishing but of a much less heating and stimulating nature. Not to make the change, there-
tore, but to continue the same habits far into the spring is to find the system in a feverish heated, and constipated condition; itself irritating and debilitating and provocative
of many of the diseases that flesh is heir to it is not necessary that the change be made arbitrarily, suddenly, or all at once; the raduate so to speak, the table supplies and the general habits as that the bloud may be laxed.
This question of cooling off the system
prevails in almost every household, but as prevails in almost every household, but as a
rule medicine is resorted to as the sole and rule medicine is resorted to as the sole and
only means at hand to supply nature's deonly means at hand to supply nature s de-
mands, and to relieve the bowels. This
practive will be seen to be at variance with panactive will be seen to be at variance with
both nature and science, it proceeds upon both nature and science, what our habits or the thary that no matter what our habits or are afflicted nature has provided a remedy in the form of medicine to apply which is to
be cured, although we continue the same be cured, although we continue the same
routine of habits and practices which routine of habits and practices however,
brought on the disease. When, hower
we remember that the blood is made of that brought on er that the blood is made of that
we remember
which we eat, drink, and breathe, we wll which we eat, drink, and breathe, we would
the more clearly see that if we we must
change its nature or condition, we change its nature or condition, we must
modify or change that from which it is pro-
duced. If then we have in good part subsisted
upon meats, last year's vegetables cooked in upon meats, last year's vegetables cooked in
grease, light biscuits made with fat, and well grease, light biscuits made with fat, and wel
buttered, puddings and ples composed
largely of tat with plenty of good, strong largely of tat with plenty of good, strong
hot coffee, to swim them all in, in the
stomach, it is about time to call a halt and stomach, it is about time to call a halt and
give the latter organ a rest. Bread is an
article of diet that is acceptable and healthful all the year round, but to be adopted to all there is in the grain; in a word consist of rom unbolted flour. Milk is very refreshng, nourishihg and cooling drink now, and
may safely be made a substitute for coffee. Eggs are in season, and properly cooked, asparagus, of lettuce and onions or of boiled kale or spinach, are relishable. We
have a few good potatoes yet and some apples, and will have until new ones come. be out of place if not fried in fat, and.once nou while a piece of mutton or of fresh beef ous meals which madee into mush and eaten
of an evening, with milk or cream, form one of the very best dishes we have to sleep on over night. We keep them in variey hav
change as taste may suggest; thus we have cracked wheat, wheat meal (unbolted flour)
oat meal and Indian meal, and to these some add barley meal, all of which having the sheles. provide bulk as well as nutriment
ticles.
just the ren easily digested and agree with nearly every And as every good housewife has a spring
cleaning up of the house, so let evary member of the family make, it a point to bathe oughly, thus starting the blood into skin thorlution, thoroughly cleansing the skin and system to throw off the poisonous particles
within, breeding irritation and fever, and Household

## Che Houng folks．

## The Seen and Unseen．

There were watchers by the bedside，
And silence in the room； There was mornngn light and shadow From a night of troubled gloom；
There were hearts akin to breaking， There were hearts akin to breaking，
There were souls bowed dowk with erief；
There were drinkings deep from sorrow＇s In moments all too brief．

## There were farewells sad and tender， In whispers soft and low；

 There were waitings for the Messengerof measured step and slow There weasere earthly sth warfares ending， here was cease from worldly strif There was death and endless Iffe．

There were watchers by the bedside，
Whose forms we might not see There were spirit voices chanting In sweetest melody
There was Mornng light upbreaking
Into Everlasting Day When the watchers and our dear one Went up the heavenly way．
－Good Housckecping

## Boy＇s and Girl＇s Diaries．

The diaries were out in full force－＇Liza＇s long slim affair，and Tinitot＇s bunch of brown paper，stitched together to form a book．＂Oh dear！＂groaned＇Liza，＂I
haven＇t written here for five days，and the only thing I can remember is that we didn＇t have a pienic Thursday！＂
＂What＇s a diary for，anyway？＂asked a skeptic．
＂To tell what happens every day，＂said Tinitot，＂with pencil in her mouth．
＂To teach you to stick to it，and be order ly，＂said Tim laughing at＇Liza，who seldom persevered in anything．
＂To put down the kind things people do for you；and lots of things you want to along about your feelings and all that，＂cried ＇Liza，who hated nonsense and whose jour－ conciseness．
＂A diary is a history，＂said Uncle Jack． ＂There＇s your history of the United States；
＂He has somebody else
him，＂grumbled Tim，enviously，
I kept a journal once，＂admitted the skeptic，＂but I didn＇t know how．I wrote too much each day and grew tired of it and the good points of a diary．You＇ll improve your style，＇Liza，by keeping one．If more people formed their style by keeping diaries， editors wouldn＇t have so many wordy articles
to spoil their tempers！nor we read so many jokes about＂carloads of manuscript to spoil ours！
＂Robinson Crusoe kept a＇terse＇diary，＂ ＂Just put a notch for each day．That was short enough
Uncle Jack a very busy boy once，＂said was not himself，＂who found from experi－ ence that，if he was going to keep a diary at all，it must be wonderfully short；so he wrote just one fact for each day．I do assure decide upon the most interesting facts．＂ Then Uncle Jack showed them a battered old book．
＂Wednesdav，＂，read＇Liza，＂Nothing much． Awful hot．Thursday－Thunder storm；
creeks overflowed．Friday－Rowed in boat creeks overflowed．Friday－Rowed in boat on creek；tipped over；pretty wet．Satur－
day－Camped out last night，and tied Bob＇s and Titus＇s toes together while they were asleep．They got mad at each other．Sun－ dlay－Saw J．H．He is just home from
school．Monday－Stuffed a squirrel skin． Tuesday－Ma made plum cake．Bully．＂
＂Such judgment in selecting the most and they all laughed． Churchill，Ottawa Cra．，Kas．

Whether or not one could catch a ball thrown from the top of Washington monu－ ment，led the catcher of a local base－ball
club to make a similar trial recently from the top of the waterworks stand－pipe in
Erie，Pa．The height was 248 feet，and
upon the seventh attempt the deed was acon the seventh attempt the deed was
acomplished，but the catcher declared the

## Story of Oharles the Oat．

On June 1，while the family at 200 West out into the country，an enterprising young tomeat stole into the house．When every body threw something at him，instead of beating a retreat he flew up to the third
story． One the cat decided to go out on the broad stone ledge and wait for the excitement to quiet down．He went to sleep out there，but not
for long，for the slamming down of the win－ dow sash roused himming and with a wild yowl
of terror he presently beheld the last in－ of terror he presently beheld the last in－
habitant of the house lock the front door
and disappear in the distance The cat＇s name was Charce．
feet to the street．Cats have jumped or fallen as far as that before，but Charles was young，and he felt that he could never
do it and liye．He stuck to the window ledge．
Night settled down，the cats in the neigh－
borhood came out，but Charles was silent borhood came out，but Charles was silent．
He knew that the Maltese puss across the way would never believe that he was
stayng up there because he liked it，and stayng up there because he liked it，and
he did not desire to appear ridiculous in her
eyes． eyes．
But when the day began to break，and the
other cats went home，his pride left him other cats went home，his pride left him men came on the beat，and the carts rum－ screeched and miaued planntively and steadily，gazing down pitifully upon the
passers by，and doing all he could to show heed，and the passers by either looked casu－ ally for a stone，or，thinking it was a cat
that wanted to howl，let him The
The sparrows arrived，and took in the sit－
nation．They gathered on the neightor ledges and mocked Charles hilariousoring maddened him by continually flying up and
down．They also declined to supply him down．They also declined to supply him
with a breakfast．He got no dinner or sup－ per either and night and day and night passed，untir he lost all track of time．When coat，and once when a bewildered sparrow and ate all but a feather or two．he got it
rational moments he howled At lasta man stopped in the street and， the poor cat＇s fate．It was on Monday last as night was settling down for the twenty－ first time since Chariey＇s solitary imprison－
ment．The good red face of the dumpy man who looked up was that of Excise struck his foreheadin astonishment．Charles stretched out his neck and yowled a des－
pairing yowl．He had never missioner Morris had never met Commis much．But his sad tones had gone straight to the Commissioner＇s heart，and，rushing
up the steps he almest rung the bell off．No one came． ruck，but，changed his mind，and struck out
or Mr．Bergh＇s office inster he Mrf．Bergh＇s office instead．On the way e reflected that it was late，and bore of
for Police Headquarters．There he told the cat story，and then he went home and went to bed． $\begin{aligned} & \text { He could not sleep．All night long } \\ & \text { Charles＇s hungry eyes haunted him and }\end{aligned}$ Charles＇s hungry eyes haunted him and ears．At 7o＇click yosterday morning，wan
but enthusiastic，he was at street and Fourth avenue waiting for $\mathbf{M r}$ Bergh＇s men to open shop．When they
came the Commissioner told his tale．Offi－ his hip pocket，and officer George Sanders colored，provided himself with water and
cat meat，chopped up fine．Together they sallied forth，with the delighted Commis sioner in the wake，and soon bore down on Charles＇s island home．They ran up th
steps，and Charles said to himself bitterly
＂On！pull the bell and go away，as they al ＂Oh！＇pull the bell and go away，as they all sounded ond the tread of the Commissione lieve his ears．But whan the door of the room behind him opened he could no longer
doubt that deliverance was nigh．Officer doubt that deliverance was nigh．Officer
Smith threw up the sash．Officer Sanders spread out the cat meat and water，and Com－
missioner Morris beamed while Charles flew off the window sill and into the grub and started with him for the hospital of the society．But a boy on the street said：
＂Mister，dat＇s de tomcat what belongs to
e butcher．I seen him on de winder more＇n
Charles was released and flew to his youth who had seen a cat suffering and passed by on the other sidf．Of the two
Charles was the only one that got there． Commissioner Morris went home，and the They had the key to a house in West scene changes from one of cat meat，deliver－ ance and joy to deep tragedy．Hardly had scream rent the air，and a wild－eyed cat
came at them．The officers retreated into the parlor and held a consultation．Officer was no sure cure for acase of this and water Officer Smith pulled out his revolver．The door was opened cautiously and the two The wild－ey out small pieces of cat meat． charge and met her death by a gun－shot
wound．The officers went home and mad
Cat rescued，fed，and set at large，
Cat crazed by hunger and thirst，destroyed．
How Ivy Soreens a Huuse Wall The common belief that ivy trained dices damp walls and general house pro－ ness is fallacious．The very opposite is the
case．If one will carefully examine an ivy－ clad wall after a shower of rain he will notice that while the overlapping leaves
have conducted the water from point to have conducted the water from point to
point until it has reached the ground，the Wall beneath is perfectly dry and dusty．
More than this，the thirsty shoots which force their way into every crevice of the
structure which will afford a firm hold act like suckers，in drawing on any particles o in fact，acts like a great－coat，keeping the house warm and free from wet．One more virtue it has in giving

The Fiddle and the Bow．
The fashionablegirls of Philadelphia have taken up the fiddie and the bow．The out One young belle has what she extravagant declares is a
Stradivarious 150 yas stradivarious 150 years old．She has had it
inlaid with pearl．The addition has ruined she has made the instrument an oddity and can say that its cost has been nearly $\$ 700$ ． Another enthusiast has a fiddle that she
declares was a favorite of Paganini＇s．Its present extraordinary tone may be due to ribbons．Her teacher warned her that gold the boungs would impair the quality，but
yoman answered that the differ－ ence didn＇t seem much to her mind，and in
any event she was determined to retain the ribbo
plexion．

## Plants Used by Man

It is stated that the number of plants used by man at the present time does not exceed
3,000 ．Of these about 2,500 are America．The about 2,500 are cultivated in not exceed 600 ．Of edible fruits and seeds roots and buo classed as vegetables， 100 as 20 of which produce sugar and syrup．In addition to this，perhaps 30 kinds will vield
oil and 6 kinds wine．The number of medi－ cine supply plants is nearly double that of
the fruit－yelding，amounting to 1,140 ，about
350 of which are employed 350 of which are employed in the various
branches of industry．Of the latter 96 furnish dye－stuff， 8 wax， 16 salt，and more
than 40 supply food for cattle．Ther no fewer than 250 kinds of poisonous plants cultivated，among which are only 66 of a
narcotic sort，the remainder being classed as deadly poisons．

## Ohoosing Friends

Friendships that arise out of intellectual juxtaposition are not of the kind that are
valued the most．The links that bind us to closest friends are forged by the heart．Hu－
man ties thus formed are not easily broken． If a friend of long years is cast aside for the novelty of higher intercourse and new
faces，which a close intimacy may reveal to be empty and hideous masks，may reveal to
prove the overwhelming may prove the overwhelming catastrophe of one＇s
life．Rather let it be the rule of human ntercourse to secure a friend for all eter－ the palace of the soul．Bear with his hu－ mors，guard against estrangement that be－ prove helpful to him as opportunity offers
and value him for his inherent worth ＂When the pot no longer boils，＂says Pe is to say，the friends of fortune；so poyerty
is the best test．Let our friends be the salt si the best test．Let our friends be the sait
of the earth，for men are known by the com－ with his chosen disciples，the humble fisher－ men of and an example for all races of men．－

## The Ways of Monkeys．

On my second voyage to Eastern Solldan
we stopped at Khartoum season．I suffered much，even more than，I am suffering here in New York，from fever
and chills．In the long，tedious hours of eisurgiwe made a collection of monkeys time in my physical and mental troubles． we played with them，and at the same tin
undertook their training，and that in riding lessons．An old，fat we gazy donkey had he apes showed disgust and fear at fir ne single lesson was suffici nt to initiate
them into the secrets of the noble sport and in a few days they were，in their way nankey in the art．They would mount the irst one embracing fondly the neck of the trotter with the fore hands and cramping
his hind－hands convulsively in the pelt of he animal＇s abdomen；the next one takin brium in the same way by means of the closely nestled to or five griuning apes hardly be imagined．The gray－haired trot
ter sometimes had to suffer from the mis ter sometimes had to suffer from the mis
chievous riders，and did not conceal his
feelings，to the great amusement of his tor－ were instructed in many，little arts and
tricks，and on that occasion I learned to tricks，and on that occasion I learned to
appreciate them as smart and most sagaclous appreciate them as smart and most sagaclous
creatures． But passion makes them blind－unlike f men always kept quiet，composed，even inded，and sober！As well as the apes in genera！，our baboons were passionately
fond of strong liquors，and had a peculiar propensity for mersir，a kind of beer made
of the grains of duriah by the Inhabitant taste，but unfortunately，they mot to their oprous quantities of mersia，each oned brandy，which he drank．As a cons of dat they became completely intoxicated，inse gamboled in a fearful manner；grinned and they offered the hideous；ar catn reof drunken ards were suffering from the conseguenk－ of the spree，and looked sick unse death
All food gave them nausea；they turnel away with disgust from mersia and even
from wine，a favorite beverage in time；the，only things they accepted were
lemons，of which each one of twenty pieces．In the ate an average
they comported themsel state ring if doubtless，have enjoyed a sour he antidote in the country of the secure thi right the next ey felt better，and were al esson would teach my purils the advan tages of abstinence，but，alas，I was mis－
taken once more in my life．They drank
and reveled all drank brandy with same，and from that day that，they claimed their rum every day as a
privilege．－Popular Science Month

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## waterbury Watch

 IEIE TH TE！




## Save the Oornfodder

It is time now to begin calling atten－ tion the importance of cutting up corn． There is very little feed of any kind that is better than cornfodder for cattle， sheep and horses，if it is cut at the proper time and well－cured in shocks． And every blade of cornfodder saved is that much gain over the careless way of letting it dry on the stalk and hang here for cattle when they come．Al the fodder well saved is just that much clear gain，and it is worth more，acre for acre，than prairie hay，and to let it die on the stalk is about that much lost解 with very little as feed．
But it must be cut and cared for at the right time，because（ 1 ）if it is not， the wind will whip the blades nearly all off，and（2）what are left will be so dry and brittle as to be worth little more than a bundle of old brooms．Every person living on prairies，and especially Kansas prairies，knows how easily the wind moves，and with very little provo cation；and every farmer knows that when corn blades become dry on the stalk they are very easily broken off by the wind．All of us，times withou number，have seen cornstalks whipped so clean of blades by the winds that they soled like as many peeled hoop－poles．位 And the blades were ne ground；they among the stalks on the ground；they were blown into dust and the dust lown away．They were gone，all gone．Some shoe near the stalk，but in no ordinary case is more than one－fourth of the blade fodder left when snow flies．
There is some left usually，but it is almost valueless．If a farmer will turn his cattle into such a stalk－ field，say about Christmas，and give the animals nothing else to eat，he will soon learn about how much dead cornstalks－ stalks that were never cut up，are worth as feed．It is little better than so much dried moss．A cow might as well eat dried leaves．
But when the stalks are cut at the proper time，the leaves make fodder nearly equal to good timothy hay．The time to begin cutting the stalks is when the ears may be considered out of dan－ ger from frost．The kernels are out of milk，have their full size，and do not yield to pressure of the fingers．Open ing a ke：nel with a knife blade，the interior presents a finished，corn－like appearance．At that time，the lowe end of the stalk a foot or two up is whitened and dead－like，and the lower blade is dead but the upper part of the stalk and most of the blades are still stalk and most of Cut the stalks then and put them in good－sized shocks well stood up，and the corn and the fodder will save in good condition．
Aside from the matter of getting so much good fudder，there are two other advantages gained．The stalks are re－ moved from the ground and will not be in the way of the plow，and they areput into manure．These are both important items．Animals do not eat the stalks unless they are hungry，or eating for pastime；they eat the blades only and pastime；they eat he blades only，and there is where the nutriment is．The stalks are left．and they are put on the manure pile if the feeding is done in barns，or left on the ground to
feeding is done in a feed－lot．
The size of shocks is not very import nt．Seven or eight rows of cornstalks put into one row of shocks makes them a very good size if the stand is good and the corn heavy．We would not put less than seven nor more than twelve row of stalks in a row of shocks．When the stand is thin，or when the stalks ar light，the shocks will take more corn rows．But a strip wider than twelve rows requires too much walking in put

噱 aunts and the and his cousins and hes aints in dianapolis beginning September 28 ，and they will have a good one，wedoubt not
ting up the shocks. If the cutting is done by hand, it is better to take an odd number of corn rows, as seven, nine, eleven, putting the shocks on the middle one, thus making the walking space on either side the same width. The ground cut over for one shock ought to be about square. When a shock is begun, set the first handful against a hill of standing corn, set the second on the other side, both as nearly straight up as they will stand, then build around that beginning, setting every handful carefully and truly facing the center; that is, not leaning to one side so as to be liable to fall or to settle to one side thus twisting the shock or pushing it down. See that every shock is evenly and regulariy built; that is, as nearly round as possible, with every part of the outs
If shocks are well put up, there is little danger of their blowing down; still it is better to tie them as soon as set A cornstalk may be used for that purpose, if there is nothing better. Rye straw is the best thing for that work. But anything that will bend easily and can be fastened will do. Tie as near the top as possible so as to bind the whole shock.

By the terms of the President's proc lamation, the fourth day of September is the limit of time allowed the cattle men to get off the Cheyenne and Arapahoe reservations with their cattle, and an order has been issued to Gen. Miles to be ready on that day to see that the order is enforced.

The fairs have begun, and it is to be hoped that the farmers will profit by them. The bane of agricultural fairs is the presence of the gambling element. If a fair cannot be run without a school of gamblers to help, better let it stand still. Farmers and their families do not need to learn the arts and mysteries of the gaming table. It would add nothing to their usefulness or honor And the boys can get along quite as wel if they never see a gambler or his tricks. Every fair management should rigidly exclude every immoral performance, n matter what it is nor who is offended.
C. F. Stone, Peabody, Kas., recently wrote to the American Sheep-Breeder "The sheepmen in this locality are feeling better and more encouraged than they have before in the past two years though there have been thousands of old scabs fed and disposed of forever Now, the tendency is to keep fewer and better sheep, and still raise more wool The sheepmen are getting waked up to the idea that it takes no more feed keep sheep that will shear from eight to ten pounds of wool than it does to keep those that shear only four or five pounds." That is what this paper has been predicting all along, and it tells a hopeful story.

People of all classes in England are complaining of hard times. In the Scottish Agricultural Gazelte, we find this news item: The Earl of Strathmore presided on Wednesday at the President's dinner held in connection with the Highland Society's show in Aberdeen. His lordship, in proposing the toast of the Society, referred to the agricultural depression, and remarked that if he were asked to suggest a remedy for the present position of affairs it would be that the landlords should remember that, prices now being the same as they were, the cenant farmers could not naturally pay the same rents. There was, however, the other side of the question-that farmers must remember that they could not be making yery large profits, and that they must try to tide over these times in the hopes
of better prospects."

## Inquiries Answered

Pickling Cucumbers.-Cucumbers fo minediate use may be pickled by making a alt the warer will thso up; saver, all the cumbers with it addis up, if The brine will act sufficiently in necessary The brine will act sufficiently in one night if poured on hot; if cold, giveit twenty-four hours. Drain, and pack in a jar and scald vinegar with cloves, cinnamon, and a lump of alum big as a marble for two gallons o cucumbers. Pour the spiced vinegar hot on the cucumbers and add a plece of horse radish root as large as a human finger, and if desired two or three green peppers. These pickles are ready in three days, and with the horseradish will keep indefnitely If the whole roots of horseradish is not a hand, use some of the horseradish grated for the table. For family use or the market as occasion requires, pack the cucumbers in salt, "the coarse fine salt" is best, covering them properly When needed for pictling, hem pr them water three days, chaug re water twice or four days if they are de stred fresh, and add cold vinegar, spice i sired fresh, and add cold vinegar, s.
GLANDERS. - Please inform me if there is ny law in Kansas concerning Glanders, will it be before the disease makes its appear ance?
The law is very indefinite. We send you a copy of the Farmer of June 3 last, which contains a statement of the rules adopted by the Live Stock Sanitary Commission under the law.-The length of the period o development of glanders varies a good deal but usually the first symptoms appear in ten to twenty days. If you keep a file of the Kansas
July 22.
Grape Vines.-To what age will a vineyard bear profitably, and would it be judi-
cious to plant a row of grapes between the rows of an apple orchard, the trees being hirty feet apart
-You need not take on any trouble about the age of a bearing grape vine. It will beat you in the race of life if you take as good care of it as it deserves. Grape vines may be planted between apple tree rows and would do well about four years if the trees do well; after that the vines would become weak and in a few years be worthless. Grape vines need sunlight at least part of the ame, and they need the exclusive use of the soil near them all the time.
Dairying.-lf C. B. A. will write to the Dairyman Publishing Company, 158 Clark treet, Chicago, telling what he wants and naming this paper, he wili getgood information. His request will be granted in next week's Farsarb.
We have frequently suggested to our readers that a liberal use of lemons in families is a good thing for health. And n particular cases of ailment, as the Medical News says, lemon juice is very good. The way to get the better of a bilious system without blue pills or quinine is to take the juice of one, two or three lemons, as appetite craves, in as much water as makes it pleasant to drink without sugar, before going to bed. In the morning, on rising, at least half an hour before breakfast, take the juice of one lemon in a goblet of water. This will clear the system of humor and bile with efficiency, without any of the weakening effects of calomel. People should not irritate the stomach by eating lemons clear; the powerful acid of the juice, which is always most corrosive, invariably produces inflammation after a while, but properly diluted, so that it does not burn or draw the throat, it does its medical work without harm, and, when the system is clear of food, has abundant opportunity to work over the system thorouahly.

As to the weight of milk, the Illinois Dairymen's Association have adopted the standard of Mr. Borden, of condensed milk fame, which for quantity is: eight and fiye-eights pounds per gallon. This is now quite generally ac cepted, not only in this country, but in Europe as well. The quality of milk has also been determined upon by the Illinois State Dairymen's Association,
after a number of tests, as follows Water, 87.5 ; solids, 12.5 -in a scale of 100 parts.

## Kansas Fairs.

The following counties have reported dates or holding their annual fairs, glving name of Secretary and the place of holding the fair:
Tbe Western Nattonal Fair (Bismarck), La
September 7-12; Secretary, R. W. Cunningham. September 7 -12; Secretary, R. R. W. Cunningham.
Anderson Couni Y Fart Asooclation. Garnett, Aug $\underset{\substack{25-28 ; ~ S e c r e t a r y, ~ M . ~ L . ~ W h i t e . ~}}{\text { Bourbon }}$ bourbon Count, Falr Ase8oclation,
ber B-9: Secretary, E. W. Hulbert.
Brown County
Brown Coult, N. W. Hal ert. september 8-11: Becretacy, C. H. Lawrence. Butler County Exposition Assoclation, El Dorat Chase County Aerricultural Soclety, Beck. Falls, Beptember 22-25; Secretary, E. A. Kiune. Cherokee County $A$ grioultural and Stook Assoclatio Columbus, September 8-11; Secretary, S. O. McDowel Clay County Agricultural society, Clay
iember 15-18; Becretary, Wirt w. Walton Coffey County Fatr A ssociation. Burli tember 15-18; Becretary, J. E. Woodf ord. Cowley County Fair a nd Driving Park Association, Winfeld, september 21-25; secretary, D. L. Kratsnger.
DIckin Intion, Abliene, Beptember 23-26: Secretary, $\mathbf{H}$. $\mathbf{H}$ Floga, Agan County Agritcultural, Horticultural and
Doniphan Hechantal Association, Troy, September 15-18: Seece ary, Thoes. Henshall.
Elk County A Arricuturai So
Western Kanaeas $A$ Bricultural
Clty, September 22 -25; Secretary, P. W. Smath
Franklin County Agricultural Society, ottawa, B ember 28 to October 2; Secretary, John B. Shaffer. Harper County Agricaltural and Mechanical Asso-
Aation, Anthony, Beptember 1.5; Secretary J. W. Olendenen.

## Harves C

Harvey County Agricultural 8oclety, Nemton, 8epJefferson County Agricultural and Mechanical AssoJation, Oakaloosa, september 30 to October 2; Secreary. A. J. Buck.
Valey Falis District Fatr Aseociation, Val september 1-4: Secretary, M. M. Maxwell.
Jewell County $\Delta$ gricultural ard Industrial Association, Mankato, september 29 to October 2 ; Secretary, Geo. A. Bisho,
Johnson County Co-operative Fatr Asso
tember 22-25; Sceretary, O. M. T. Hulett.
tember 22-25; Sceretary, O. M. T. H. Huett.
Lacynne District Fair Association
LaCyyne District Fatir Aseociatlon, L. La Cygne, sep-
tember 29 to october 2; Secretary, o. D. Harmon tember 29 to October 2; Secretary, O. D. Harmon.
Marion County Agricultural society, Peabody, September 1-4; secretary, L. A. Buck.
Mashanli County Falr Asooclatton, Marysville, SeFtember 22.25; Secretary, O. B. Wilson.
McPherson County Fair Assoclation,
McPherson County Fair Assoclation, McPherson, September 59 to October 2; Secretary, J. B. Darrab.
Mlami County Agricultural and Mechanlcal Mlam1 County Agricultural and Mechanical Anso-
olation, Paola, October 7 -10; Secretary, H. M. McLachin.
Montromery County Agricultural Boclety, Independence, September 16-19 ; Secretary, B. F. Devore.
Morris County Exposition Company. Council Grove September 29 to October 2; Secretary, F. A. Moriariy;
Nemeh a Fair Aspociation, Seneca, September $15-18$; Nemeh \& Fair Assoclation,
Secretary, w. E. Wilkinson.
Secretary, W.E. Wilikinson.
Phllips County $A$ gricultural and Mechanical $\Delta$ ssoclatioc, Phillipsburg, September 16-18; Secretary J. w. Lowe.

Rice County Agricultural Soclety, Lyons, October
13.16; Secreter 13-16; Secretary, o. W. Wamplise.
The Blue and Kanse Valley
 Salline County A gricultural. Hortlcultural sid chanical Association, September 29 to October 2; sec reary, C. 8. Martin.
Arkanas Valley Agricultural soclety, Wichita. oc ober 5-9; Secreary. D. A. Mitchell.
sumner Cornty A. Sumner County $A$ gricultural and Mechantcal $A$ sso.
Clation, Wellington, September 8 -11: Secretary ciation, Wellington, september 8-11; secretary. D. $\Delta$.
Eppg,
Neosho Valley District Fair Association, Neosho Falls, September 21-26; Secretary, O. s. Woodard. Decatar County Exposition socitty, oberilln, sep. ember 23-25: Secretary, T. D. Bebb, Vallonia.
Smith County Agricuitural Society, 8mith Smith County Agrcuitural Society, 8 .
September 23-25; Secrelary, F. J. Pattee.

## Kaw Valles Fair Association, st. Mar

## 22-25; Secretary, A. J. Beakey.

Osage Conty, FaI: Asocition, B
ember 15-18; secretary, A. M. Miner.
Tre Kansas Cential Agricultural Soclety,
tev, September 30 to October 2; Secretary, Juncto,
Rte County
M. R R wilin.
ounty Fair,
to outober 2; Secretary, c. W. Aldrrich.
 Popek 4eptem ier $22-25$; Secretary, Rufus Bean.
Para, Fair and Driving Park Assoclation, Par onss, September $15-17$
Caldwell Driving
on, Cald well, Aupust 27-29: Secretarr, John w. Nice








Late Patents to Kansas People
List of patents granted to citizens of Kansas for the week ending Tuesday, August 11, 1885, compiled from the official records of the United States Patent office, expressly for the Kansas Farmer, by Herring \& Redmond, solicitors of patents, No. 637 F street N. W., Washington, D. C., of whom information may be had :
label.
No. 4.541.-A. Gay, Concordia, corn-
Miss Minnie Vorhis, who won the prize Er essays at the last commencement at Elmira college by delivering as her own
composition an old article from Scribner's Magazine, has returned the medal.

A botanical phenomenon was witnessed bay, Lower California. where an apple tree blossomed and bore large, perfect fruit on
it trunk an inch from the

Good sheep are not necessarily confined to any distinctive breed or type. The best sheep for any man to keep is the kind that is most proitabie to be depends entirelly on lar breed this may be depends entirely on
the markets, situation and surroundings of the flock-owner

## THE MARKHTS.

By Telegraph, August 17, 1885.
STOCK MARKETS.
New York.
BEEVES-Recetpts 55 car loads. Dull and
 SHEEP-Receipts 18,' No. No improvemen: in ambs 4558 . 25 . st. Louis.
CATTLE-Receipts 2,700, shipments 800 , Mar



rades steady but poor stuffipmull 1,900 ents Best
 Chtcago.
The Drovers' Journal reportsi
CATTLE-Receltata 9000 shipments 2800 Snip-

 HOG8-Receipts 11,000, shipmenta 3 . 500 Mar

 low Natives 2 20a4 400 , Texans 2000290 , lambs
Theed 1 0oas3 100 untes American cattle st ady, the best selling at Kansas city.
CATTLE Receipts sinece Saturday 2.607 Shlp
ing sieers 465 , feeders 3 50a 00, stockers 2 e0a


produce markets.
New York.
WHEAT-Weak and 1 low
2 Oht


## st. Louls.

WhEAT-No. 2 red. cust $921 / 4923 / 8 \mathrm{c}$, August CORN Lower and sli w. No 2 mixed, cash in $1 / 4 \mathrm{c}$. 21/3. Chicago.
There was a decidedyy dead feeling in wheat
gain to day and the market finally closed $1 \% \mathrm{c}$

 CORN Ruld active but weaker. September Kansas city.
Whe +7 -The market was
radm on the down



期 EGGB..Mariet higher at 100 per dozen.
ECEESE-We huote Full cream, 18c; flats
10: Young America 13\%c. ORGHUM- Oc per gallon.
BROM CORN- We quote: Hurl 3ace, self work-

## forticulture.

Gathering and Marketing Apples. To those farmess that raise apples for purposes of making money as well as saving it, the gathering and marketing of them is very important. What follows on this subject was written by a Canadian farmer and printed in the Farmer's Advocate. There are some suggestions in it wo
Few farmers plant apple orchards Whon of money profit, Indeed many now-a-days, depend upon the produce of their apple trees for a substantial portion of their annual income; and, al though it is an open question whether yields as much, on an average, as an sidering the low prices and failures of late years, yet certainly the money seems to come in with less exertion, and consequently, if there is a failure, it is less accounted of than when the much
hard labor in plowing, sowing and harvesting results in vexatious disappoint ment.
Early apples are sometimes profitable Harvest, Red Astracan, and Duchess of of Oldenburgh, providing a sufficient amount of time and attention can be given them in the busy month of Au-
gust. The trees need to be picked over gust. The trees need to be picked over
several times, selecting each time those several times, selecting each which have reached their full samples should be shipped as fancy stock, and these may be put up in small packages such as peach baskets or crates, and made to present the most
attractive appearance. The rest of the attractive appearance. The rest of the crop of first-class early apples will need very choicest will pay to put up as described, and the second-class should not be sent to market at all.
It is nearly always best for the farmer to sell his own fruit, if he is near any good market, and even small towns and villages will gradually open up a custom visit them regularly with the finest ruits of the season. ever, of early apples and other fruits often find it convenient to ship by ex-
press either to fruit dealers in the towns press either to fruit dealers in the towns mission men. In our large cities like Toronto and Montreal, this commission business is rapidiy on the increase, and who receive daily consignments of summer fruits on every train, which they sell at a fair wholesale price, on arrival, to fruit dealers in the city, or in
towns and villages outside. They rentowns and villages outside. They ren-
der weekly account sales to the shipper, der weekly account sales to the shipper,
and return the proceeds, after deducting express charges and a commission of ten cents on the dollar of gross receipts.
The best time to begin gathering winter apples is about the first of October,
but a week earlier is none too soon for but a week earlier is none too soon for
such kinds as ripen early, for example, such kinds as ripen early, for example, clent number of hands should be provided to gather the whole crop by the middle of October, after which time there is danger of frosts. Each picker should be provided with a good ladder
and swing-handle basket, to which a and swing-handle basket, to which a
wire hook is attached for hanging it to the rounds of the ladder. Careless pickers, who throw apples into the baskets like so many potatoes, should be at essens the value of the fruit for keep-
ing. packing may be done either in the orchard or in a packing house, but in no ase should it immediately follow picking; because when apples heat in bar-
rels or heaps they show up their imperfections. All tendencies to spot or decay will therefore discover themselves to the packer, and all apples still pected to remain so until opened up in winter.
Most growers empty the apples into heaps on the grass, or on straw, in the lation of air; but if one has a cool airy fruit-house, it would be better to bring them inside at once, where they would be safe from wet and frost, and where
the packing could be done comfortably in weather unfavorable for out-door If t
the barrels should Le taken into the or chard, filled to the chime by the pickers, name of the variety, and laid down upon their sides until it is convenient to draw them indoors. In this way they may be
stored in a small compass, and easily mptied out when packing time comes Few farmers wil fhind it to their ad-
vantage to pack their own apples, if they can make a sale will pay just as much for barrel for apples unpacked, this operation being
considered too important to trust to Qrowers, who could scarcely avoid serv ing their own interest
A packing table may art.
A packing table may be used to great died are in barrels. It should be about twelve feet long and three feet wide with a narrow strip three or four inches high around the edge, and be coyered
with cloth. The whole affair may be cheaply set up for temporary use, with planks and Darrels, and securely fas emptied at a time and the fruit beread ily sorted into baskets hung conyeniently under the table
The apples in each barrel should be of uniform size. Thus a barrel of firstsmall, but in no case must any secondclass apples be smuggled in, for nothing tion than a fine fruit at the head and poor fruit in the middle of a barrel. B second-class apples we mean all knotty misshapen, spotted or cracked ones;
and all such must be disposed of in and all such must be disposed of in
some way outside of a respectable market.

If an eyaporator is accessible, it will afford the most profitable way of disposing of all inferior fruit; but, if not, let saved as an appetizer for the horses dur ing the winter
The barrels should be prepared by head-lining, or nailing two strips o hooping in such a way as to secure the those at the tail end, nailing them fast in place with small, nails, and by removing the "take-out" head with its corresparrels should be set upon a plank so as to rest upon a firm bottom.
should then be laid against the apple should then be laid against the proper
head, stem downwards, so that, when opened, the apples will' present' a nice even appearance; but great care needs to be exercised not to make the show end present a better sample than the
contents will warrant. It is, however generally allowed to choose well-colored apples for opening
he apples may then be gently poured each time as far as possible; and, afte each basketfal, they are shaken down
and made to lie closely. The barrel should be filled to about one inch abov about two inches case of firm apples, and about two inches in case of such apples
as the Ribston and Fameuse, which tend to soften; or, if for foreign shipment head should then be brought to its by means of a serew or an iron lever
press, the hoops tightened and fastened with nails reaching into the head, and this end also lined as before described. dress; and few realize the importance of tidiness in this respect, and of offering fruit for sale in a neat, tidy paokage. Stencil plates can be easily cut by any
tinsmith, and with these and a blacking brush, the name and address of the consignee, the name of the shipper, and the
name of the apple may be neatly marked name of the apple may be neat.
The apples may be shipped either by ong hundred and thirt to one hundred and fifty barrels is a carA discussion of the various market for winter apples must be laid over until
some future number. Suffice it to say some future number. Suffice it to say
that really first-class fruit need seldom go begging for a buyer, and in any large the grower cannot make the sale himselt, he can readily find some reliable
commission merchant to do it for him at reasonable charges, With such eities as Toronto, Montreal and Chicago around us, accessible both by steamboat to place his apples where they will fruit-grower will venture upon such
foreign markets as Liverpool and Glas gow, where he will sometimes do better,
and sometimes worse, than he could do and sometimes worse, than he could do
at home.

## The Youltry Ward.

Profit in Keeping Poultry.
W. H. Yeamans some time ago wrote for the Indiana Farmer: There are al ways conditions that at times make the various departments of farming profita be. During one year the enormous yield of potatoes will reduce the value of that esculent so low that its cultivation is discouraged, and in nine cases out of ten the year following witnesse reaction, simply for the want of plantng a sufficient crop, whereby prices go up inversely as they were down the
year previous. It is for this reason therefore that an experienced farme declares that he thinks the most proftable mode of procedure is to grow a crop overy year and then the markets are sure to equalize the profit. Again, another crop will bring a living price a one seasan of the year, while in a maority of cases at another season it wil be greatly advanced. This is the case
with the crop of onions; a majority of growers prefer to market soon afte ripening, while a few always hold through the winter for the spring market and a usual advance, of price. On no 50 cents per bushel in the fall; but it is most often the case they are worth double the money in the spring that they are in the fall.
Then, too, there are certain products whose value depends upon their being produced out of the ordinary season thus, many kinds of vegetables that are the result of hot-house culture, being brought into market some weeks soone than by ordınary cultivation, brin enormous prices because of their rarity and this principle applies very largely to the keeping of poultry. The average armer does not take such care of his poultry in winter as is calculated to pro auce eggs, and the result is a marke scarcity, and consequent high prices;
the same also applies to the production of young chicks which in early summe are worth two or three times as mach as they are later in the season. Now it has been fully demonstrated by practice at with proper care and attention eggs in winter as in summer, and the whole secret lies in having warm quar ters; such, in fact, as can be heated by stove in severe weather, and then by furnishing a variety of food, an abundance of eggs will be produced; and furher, hens may be allowed to sit, so tha broods of young chlcks may be started n life by the time the season is sufficiently advanced to allow of their being turned out of doors. It should be the aim of all farmers to perform in the bes take, and there is nothing in which ther is such a laxity as in the keeping of fow fowls whic

## Ohicken Oholera.

correspondent of the Rural New Yorker gave the following: "Here is emedy, or preventive, of the chicken cholera, which I have used for ten years. nearly their entire flock, mine have been healthy, and I have never had a case to my knowledge. Take a barrel, saw in halves, put about three quarts of unslaked lime in one of the halves, to gether with a half pound, or a pound
(to suit the necessity) of alum; fill the half-barrel with water; when slaked and settled take from one pint to one quart (as the case requires) and put in -very pailful given the fowls to drink half-barrel of water, but the samequan-
tity of alum should be added as before. If continued daily during the sickly season, I can from my experience assure
your readers that their fowls will not be troubled with chicken cholera.'

## Poultry-Keeping for Women,

Before me is a letter from a woman who labors under a misapprehension work connected with poultry-keeping The writer says: "I am out of health -unable to do hard work, but still feel that I must do something toward earning my living. I have read that poul-
try-keeping is a light and profitable mployment for people who are not ive near a good market for pouitry live near a good market for poutry
product have the use of a few acres of land. If I could manage to earn, clear of the expense of keeping
the fowls, $\$ 200$ or $\$ 300$ a year, I should feel quite independent.
The above is a fair sample of many
etters that $I$ have received from hallletters that I have received from halisome light employment that will bring in ready money, and I think it is almost time to put in a protest, not against
the letters, but against the perpetual erteration by some poultry writers of the "old, old story," to the effect that oultry-keeping is a very suitable and are not strong enough to engage in any money-making employment that requires downright hard work. Success in poultry-keeping can only be won by constant care, close attention to minute semi-invalid may undertake some of the lighter work connected assume the entire care of a small flock of fowls, and doubtless her health will be benefited by the out-door air and exercise, but she must not expect to derive any great pecuniary benefit from her labor in the poultry yard; she cer-
tainly must not go into the business with the expectation of making a living by it. I do not write this to discourage gainst-invalids, but to warn them gainst indulging in hopes that cannot trength in the vain effort to accomplish the work that would tax the energies of a well woman. Let your work be according to your strength. But for
women who possess an average amount women who possess an average amount
of health and strength, or who have or can get the use of a few acres of land, I can recommend the poultry business as means of livelhhood. I know several women who are supporting themselves and others dependent upon them from the proceeds of their pouitry; and other women may do equally well, provided ness. Poultry-keeping has none of the drawbacks that many occupations present to the women who have themselves and children to support. Poultry-raising has always, so ar as my knowledge extends, been considered women's work and a woman can engage in it without fear of being pointed at as a "dreadful Next, it is work that can be done at hindrance, can be taught to help in many ways. Thirdly, one can start with very little capital, and the business
soon yields an income; it is not like nvesting money where one must wait and last but not least, the profits-if the business is rightly maraged-are sure; first-class poultry products will always sell at paying prices, and the woman who once masters the poultry business need have no fears about the For formers' wives and is concerned. desire to do some extra work that will pay in cash. I know of nothing that will pay as well in proportion to the time and capital invested as a small flock of fowls well cared
Field, Prairie Farmer.

Recipe for gapes in chickens: In one pirits of turpentine; then mix with hot water and feed hot. This will supay for a hink they need it. This is an old English remedy

 covering it with ashes or lime to keep in the
ammonia, and then trampled under foot
until it becomes a

Ducks thrive best on a variety of food,
with plenty of grass as principal feature.
Feed them grain at night.

## $\mathfrak{I n}_{\mathrm{n}}$ the Dairy.

Large or Small Oows for Dairying?
It is probably true that the most noticeable difference between large and small cows in the đairy is in the fact that a large animal frame requires more feed to sustain it and keep it in working order independent of the food required to produce the milk or butter. A Jersey, for instance, may require as much feed to produce a hundred pounds of butter as a Short-horn does, but as to the mere matter of supplying the animal wants, the small cow has the advantage. That is the reason we suppose why a mule will do as much as a horse on less feed. It does not require as much to support.its smaller body as th horse does to support a larger one.
A writer in the North British Agriculturist discusses the subject ably. W copy from the Canadian Breeder:
On tew matters relating to dairy practice is there so much difference of opincows should be, so as to make them most profitable. Much as many of them differ, they, as a rule, in purchasing new animal, always prefer the large one to the small, other things being equal Much of the debatable ground among ing that is all or mpy pesize ansis are the best simply because these par ticular persons happen to have small or medium-sized cows; and to assist in making anything else more fashionable than the class they possess would, to greater or less extent, be to lower the value of the ones they presently hold. There is no doubt but that a great amount of the differences of opinion on life are in a great part formed by the effect the proposed alterations arelikely to have on the parties interested. There is no disputing the fact that a particular small or medium-sized cow has given more milk than some other large one; or even that a particular herd of small or medium-sized cows has beaten as milkers some other one composed of larger ones. No one doubts the fact, consumed large cows, as a rule, are worse milkers, or less profitable milkers than smaller animals, breed, age and quality all along being taken into account.
At the present time public opinion is unmistakably settling the matter in her and demand, by setting a higher money yalue on full-sized animals than on small ones. Ten and twenty years ago
small teats like thimbles were all the small teats like thimbles were all the
rage among Ayrshire showing men, but rage among Ayrshire showing men, but
public opinion decreed that such small puats were a nuisance and loss, and must be abolished, and now the fashionable Ayrshire teat may inch thicker than it was then. The present style of teat is yet, I consider, too small; and from personal intercourse with dairymen in other parts of Britain and else-
where, $I$ feel confident in saying that the smallness of the teat of the Ayrshire has done more to hinder the spread country than all its other faults put to gether. In our west-country fairs and auction marts the favor in which large cows and large teats are held is very noticeable at the present time; for a big cow, be she ever so coarse or ugly, if
she has good-sized teats, readily sells, even during the present depression, at a good fair price, whereas small cows with small teats are wanted by no one,
even supposing they have a good appearance of milk. Such cows can only though $I$ question the justness of the expression; for with the extra labor required in milking and the liability to loss through not being milked dry, it
will often be found that they are dear will often be found that they are
at the small money pald for them.
Few classes of cow-keepers have the opportunities cf finding where large or small cows are more proitable than
towns dairy-keepers have, where the towns' dairy-keepers have, where the
animals are changed almost every year; yet these men, as a rule, prefer the good in crowded, ill-ventilated, hald and must it be true in regard to cows in exposed situations; for it stands to reasonposed situations; for it standstoreason
small, must be cooled quicker than large one, and to keep up the normal heat of the body she must use more
food, proportionately speaking, than rood, proportionately speaking, than or milk is produced must come from the ood after the up-keep of the body has been provided for, and in the case of that purs there must be less left fo exposed farms or districts generally pro duce small animals, although not because the small animals are more naturally fitted for subsistence in such a locality, but because of the scarcity o
food, and its waste by exposure, little is food, and the waste by exposure, littie is
left for the building and up-keep of a arge frame.
Unfortunately very few reliable experiments have been carried out on the evidence that either the one class or the ther was the more profitable. A few dave, however, been more or less methand at different times, which may be fairly relied on, such as the following At Frankenfelde, Baron Ockel teste Ayrshires and other small-sized cows against the largest size of Holland cows,
four of the latter welghing as much as four of the latter welghing as much as
five of the former. He came to the conclusion that the small cows required $3 \ddagger$ lbs. of hay for every 100 lbs. of gross live weight to produce a certain quantity of milk, while the large cows required 24-5 bs. per 100 los. of live weight to the Ayrshires might be unfavorably placed, as they were incomers into the country, he selected four animals of the native cows he had been experimenting with, and two of the larlest in Each pair were then fed alike for sixteen days, all food being weighed when given, and any left being reweighed and deducted oft. Both lots were weighed at the beginning of the had gained or lost in weight. During the experiment the large cows consumed $14 \frac{1}{d}$ lbs. of grass per 100 lbs . of gross 16 weight, while the small ones The large cows yielded 71 ive weight. milk; while the small ones gave $5 \frac{1}{t}$ quarts. The large ones required 1-60 of port gross weight as food for their sup. In several of the German agricultural schools, where a large number of experments have been made on cows belonging to that locality, it was also found of milk in proportion to the best yield of milk in proportion the food consumed. Again, at the Eldina agriculestimated that very small cows may require as much as 9 lbs. of hay to produce a quart of milk, while, he thinks, very large ones, of the Holland breed, weighing up to 12 cwt . or $12 \frac{4}{4} \mathrm{ewt}$., may produce one quart for 5 or 6 lbs . of hay. scarcely agree, more especially as the report on them bears unmistakable evi-
dence about it that there might be other factors at work, the effect of which has not been taken into account. The small hires make these breeds compare very unfavorably with the large Dutch cows. It must, however, be remembered factor in dealing with a dairy animal not everything, the crucial test being the amount of butter. cheese or fat ( mean beef) which each produces for a
given quantity of food, under equal conditions. Looked at in this light, the order of breeds was almost reversed at the last milking trials held lately in imperfectly understood, and deserves considerably more attention than has yet been devoted to it. The movement however, lately taken by our show-yard
directors in giving prizes for the heavidirectors in giving prizes for the heaviest milkers-date of calving, quality and
quantity being taken into account -1 s quantiry heing taken into account-1s tion. Should their endeavors be met with approval, and turn out a success, milkers say give prizes for the heaviest calved, indisputable evidence of date of calving being made as sure as possible before competition; as it is well known the most profitable dairy cow is not always the one which gives the most milk
shortly after calving, but the one which shortly after calving, but the one which
keeps her quality well up on to the sixth keeps her quality well up on to the sixth,
seventh or eighth month, and in exceptional cases even later. The subject is a pretty wide one, and has been little trodden field in that an open and unthose who care to tread it.

Bitter Oream.
Some of the causes of cream being bitter, are thus given by a correspondnt of the Country Gentleman. They will strike the reader as being aboutcorect:
First-ragweed in the pastures. This is a frequent cause when cows are fed in stubble or mowing lands. The flavor given by ragweed is a disagreeable, intense bitter, quite different from that caused by fermentation of the milk.
Second-mildew, but especially the red spotted mildew which forms upon the cream in damp cellars, and appears in spots about the size of a split pea. This is caused by the impregnation of the cellar with spores of the mildew, and is very difficult to get rid of. The only way I have succeeded in doing it is by burning sulphur in the cellar, which is kept tightly closed for a time, until the walls are saturated with it, and afterwards by keeping the air dry by means of a box of freshly burned lime kept in it until it is air-slaked.
Third-keeping the milk too long without skimming, until the whey serarates and the cream floats uponit, also by keeping the cream too long without churning. Thirty-six hours are long enough for either, which makes the cream three days old when it is churned.
Fourth-imperfect cleaning of the milk-pails or the churn, and having curd in the seams or corners. Putrid casein has a bitter flayor, and very rapidly communicates the same to milk and cream, the cream appropriating nearly the whole of it.
Fifth-the farrow condition of the cow, or her advanced state of pregnancy, will cause this trouble.
Sometimes the addition of as much powdered saltpeter as will lie on a silver three-cent piece, or about five grains to a six quart pan of milk, will prevent the bitterness, and to give the cow a dose of two drachms for a week will have the same effect. I have found two grains of salicylate of soda to four quarts of milk will prevent mold, even in a musty cellar.

Happiness at Home.
Domestic happiness depends in a very great degree on the enjoyment that is derived from simple pleasures. If a mother make an attractive home for her husband and children, any further than the wants of the body are concerned. A boy will like to come home at meal times, and to sleep, if
his mother provides him with good bed and board; but if that is all she prepares for streets at other hours, and each year of his
life will find him less able to enjoy the
innocent pleasures that belong to a happy home. A yirs who sees her mother so de.
voted to household care that she allows herself no time for anything else learns
to look upon domestic duty as mere drud-
gery, and avoids it as far as she possibly can. There is nothing children wish for so much as sympathy, and this can be given without
interfering with any domestic avocation Therere is is wothith any ing semesting or ar coocking or
washing or ironing that need absorb the thoughts so that a mother cannot tall to a
child, or listen to its story book, while she is engaged with them. Ihave observed that oopen to theiri children do not grow newroves
and preinaturely old, like those who fix their midds entirely, upon the work that
engages their hands, and who have only imengages their hands, and who have only im-
patient words to give their children when they try to talk with them while they are a
work. There is nothing in the recollection of my own childhood that I look back upon
with so much pleasure as the reading aloud my books to my mother. She was then
woman of many cares and in the habit o engaging in every variety of household
work.
Whatever she might be doing in the kitch Whatever she might be doing on the kitch-
en, or dairy, or parlor, she wasal ways readd
to o listen to me, and to explain whatever
did not understand. There wasalways with her an under current of thought about other
things, mingling with all her domestic duties, listening and modifying them, but form them her hererfectly. I I believer it is to to
this trait of her character that she owes the elasticity and ready social sympathy that
still antmates her under the weight of al-
the care and sympathy she gave to my childI am induced to speak of my own personal experience on this point, because mothers not unfrequently deny that they can talk
and work at the same time; and find in their varions needful occupations a ready excuse for yiving their children short answers,
and keeping them away from their presence as much as possible. My purpose is to
recommend as a duty that I have not seen practiced with success, and which 1 am not
sure is entirely within the power of every parent who is willing to perform the duties
belonging to that holy office.-Practical Farme

Statistics of Bible Manufacture. At the Oxford University's ewn paper-
mill, which is situated at Wolvercote, near in making 250 tons of paper for this issue of the revised version. It world cover $21 /$
square miles. It would po round the world square miles.
in a strip of 6 it would go round the world
inches wide, or, say, if the pages were laid open one atter another,
it would go round the world. The sheets piled in reams as they leave the mill would make a column ten times the hight of St.
Paul's or folded into books before blinding at least 100 tumes the height. The copies which are being prepared by the Oxiord
University Press alone, would, if piled flat one upon another, make a collumn more
than foutten miles high or 870 times the end they would reach seventy-four miles
high or 1,943 times the height of the monuhigh or 1,943 times the heig
ment.-Pall Mall Gazette.

## Disinfectants.

A word about disinfectants. There are tion than others, and some whose value is not disputed. For a common, cheap disinof iron, ordinarily known as chase or apply the others, this simple direcconperay be of service: Put fifty pounds of copperas into a basket or some other porous
receptacle, and suspend it in a barrel of water: after it has stood a day or two, use
liberally of the liquid thus formed by pour ing it into vaults and drains, and over the
ground about your doors where any filt has been allowed to accumulate. use it on so large a scale, dissolve a pound
or two in a paii of water as you need it, and use freely from time to time. These sug
ge-tions heeded, the body kept te-tions heeded, the ood peph and well
cookent bathing, the food pall unipe fruit and stale vegetables prohbitited from the table, we may almos scarlet fever, dysentery, typhoid fever, con sumption and cholera, destroy so many homes and desolate so many hearts.
We need have no fear that too much care can be taken to have our homes, from cellar are, we must stand responsible for the consequences that will surely follow our care
lessness and neglect -Good Housekeeping.
$\mathbf{E}_{\text {Itching and burning. instantly }}^{\text {CZEMA, or Selieved by bita }}$ warm bath with CUTICUAA SoAP and a singlo





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gleal Diseases Suceessfully and
Scientifically
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nts Treated at Home,
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Correspondence and consultation strictly confi-
DRS. MULVANE, MUNK \& MULVANE,

## Gossip About Stook.

A herd of pure bred Devon cattle has been established at Independence, Mo., by S. K. Knox.
The receipts of live stock at the Kansas City Stock Yards last week were: 999 horses and mules, 1,847 sheep, 8,238 cattle and 56,912 hogs.
Monthly live stock sales have been inaugurated at Hutchinson, Kas. Such sales, properly conducted, are of great benefit and
convenience to farmers. Every county should hold such sales.
From July 22 to August 10, inst., 203 carload of beef cattle were shipped from Dodge ast. All the cattle were destined for Kan loads which went to Cheyenne.
On September 18, at St. Jeseph, Mo., H. M. Garlichs will make a public sale of im ported Holstein cattle. This will prove a
most excellent opportunity to secure an animost excellent opportunity to secure an ani breed.
A representative of this paper had the pleasure of a brief visit to that enterprising Kansas Hereford estabishment of cr. Hicking, Abilene. The hera is deserves th patronage he is receiving. If any of our readers want a first-class Hereford call
Mr. Hunton and mention this paper. Mr. Hunton and mention this paper
Kansas can boast of Berskire breeders now who can show stock that will compare favorably with the best in the world. They were fortunate in starting right and securpurchase. Such Berkshire breeders as A. W. Rollins, Manhattan, Samuel McCullough Ottawa, M. B. Keagy, Wellington. Jas Elliott, Abfiene and other Western breeders
have been of incalculable benefit to swine have been or
Emporia Reyublican: Hogs are dying off with the cholera in various parts of the county, and are being thrown into the water courses. It would be far more beneficial to health if they were buried or burned. Plenty of soft stone coal distributed through the feed lots for the hogs to eat, and a gallon of coal oil put into each barrel of clean slops, stirred well, and fed to the hogs three times a day, will in a short time rid the place of cholera. It is a positive cure and a sure proventative against this much dreaded disease.
Last week a Kansas Farmer representative eujoyed the opportunity of a visit to the Berkshire establishment of M. B. Keagy, Wellington, Kas. It seems impossible to raise better Berkshires that can be seen at this estabishment, a happy result of starting right with strictly first class stock. Last year Mr. Keagy readily disposed of his sur-
plus stock. This season plus stock. This season he has soid $\$ 800$ worth and orders booked for fall delivery in Kansas and Nebraska. It is doubtful whether he can fill all orders-the usual result of advertising
FARMER.
The prospect for an abundant corn crop in central Illinois this fall continues favorable. This is leading farmers to look about for hogs or other live stock to which the surplus may be fed. Douttless many hogs as well as cattle will be brought here within the next few months. In view of the possibility of swine plague or other contagious diseases being thus introduced, farmers cannotbe too careful as to where and what they buy. The Board of Live Stock Commissioners are supposed to have an oversight of these matters, but as their attention is directed more particularly to cattle diseases, farmers who would avoid losses from swine plague or other maladies among their hogs must look out for themselves. Great care should be taken not only in buying, but in feeding, watering and management generally. This word of warning is applicable as well in
other parts of the country. At this time of year particularly, special pains should be taken to keep the hogs in the best condition of health and thrift, for at no other season do they seem so liable to contract disease. Sulphur and powdered copperas each five pounds, wood ashes two bushels and slaked lime one bushel all well mixed together and placed under shelter within reach of the hogs will do the latter good by way of keeping them free from worms and lice and thus the better able to resist contagious or infectious diseases and the influence of malaria so
prevalent during the latter part of summer
and in the fall. During night the germs of swine plague are thought to collect on the damp grass, and the malarial air is believed to settle near the surface of the ground. For these reasons it is strongly recommended that hogs be kept from going on pasture in the morning until after the dew is off, of
all our farm animals the hog carries his head all our farm animals the hog carries his head lower than any other and is therefore atting
more exposed to the evils of bad air setting near the ground.

Phil. Thrifton.
What Shall we Do with Our Rags? Kansas Farmer:
This is a question we often hear asked. Our economic mothers and grandmothers of the olden times taught us to save all the "scraps" and carefully sort them for the uses adapted to each. There were the little sils of strips for cut fingers. Who cannot to have a cut finger bound up, and here she would say "poh, child this is nothing to what whe poor soldiers are suffering." But that whe smill the the tittle ones. Then, Was suat the larger strips for bandages in here was the haser stips or bagen and the doctor be sent for in a hurry. Square pieces for mending garments received due attention according to quality Also pieces for quilts and comforts. They vere sometimes colored yellow with ye and coperas. Then came the evenings, which also ho beth in the yellow dye And last, the "paper rags" carefully saved till the "tin peddler" came along with his wonderful store of cups and pans for the house wife and toys for the children. Many a wire and thining tin was added to the dresser, bright, shining in was added to "we dresser," But these primitive days with their house hold economies are things of the past, and thls wiser generation burn up these rags and import others by the ship load from Europe
with all their filth and disease thrown in ree of charge to inoculate cur cities and country.
Some are not so tidj as to burn up the rags, but allow them to accumulate in back back yards and alleys. What fine picking women of some of the Eastern cities would have in Kansas; it would be a real bonanza How carefully they rake all the ash heaps, some selecting bits of paper, shoes, rags, nails, bits of copper, coal (their only fuel) old shoes (these have their special use and ground and pressed and enter into "decor ative art work." A pair of fine kid boots will bring 25 cents; this is really a bonanza or the poor creatures.) If they only knew no doubt the solution to the problem-"What shall we do with our paupers?" and send them out
by the car load as they do ship loads from Europe.
Kansas is not only rich in cereals, minerals and fruits, but in rags as well. The Buffalo bones of the vast plains are gathered up, sorted and sent to Eastern cities to be utilized in varlous ways, why not the ragg? But a bełter solution of the question would start a paper mill. We are told that by saving our rags, even if we do not get much for them, we in turn get our fine paper at a be knowne. This is an object. It mase no the mills, and the letters accumulating a the dead letter office are now made into paper for congressional use.
There is another view to be taken of this wastefulness-the children of to-day are rowing up with wasteful. extravagant which is least and they will be of the greater and more important matters. If we have not a paper mill let us have one.

## M. M. Dav

## Topeka Stock Yards Sales.

The representative sales of live stock at the Topeka stock yards for the week ending Saturday, August 15, are as follows: Calyes
weighing from 155 to 175 lbs., 5 cents; Texas ponies, $\$ 30$ to $\$ 35$; hogs soldat 4 cents; thir teen stockers sold at from $\$ 20$ to $\$ 25$; forts seven sheep, weighing from 80 to 841 lbs ., sold brcught an average of $\$ 25$; with calves, 835 some fifty fat cows and heifers, weighing
from 800 to 1000 and 1,200 lis., sold at from
f2.75 to $\$ 3.15 ;$ the prevailing price was $\$ 8$
per cwt.

## "Orossest Man in Alabama."

 De crossest man in Alabama lives dar, said the driver as we approached a way-side tions for the night. At supper, and after it "mine host" scowled at every one, found fault with every thing earthly, and I was wondering if he would not growl if the heav enly halo didn't fit him, when incidental mention bengg made of the comet ofsaid: "I didn't like its form, its tail should have been fan shaped!"
But, next morning, be appeared halfoffended at our offering pay for his hospitality! My companion, however, made him of goods.
Six weeks later, I drew up at the same house. The planter stepped lithely from the porch, and greeted me cordially. I could bright beydeve that thisclear-c, and the mo rose being of a few weeks back, were the same. He inquired after my companion of the former visit and regretted he was not with me. "Yes,' said his wife, both much indebted to him."
"How?" I asked in surprise. band. Your friend when leaving, handed him a bottle of Warner's safecure. He took it, and two other bottles and now-" "And now," he broke in, "from an ill-feeling, growling old bear, I am healthy and so cheerful my wife declares she has fallen in love with me again!"
with me again!" It has made over again a thousand love matches, and keeps sweet the tempers of the family circle everywhere. - Copyrighted Used by permisston of American Rural Home.

A Grand Opportunity.
In the remarkable growth of industries of all kinds in the West, there has been nothing to equal the rapidity with which the live stock interests have assumed yast and enormous proportions. It is only a question of time until Kansas and the country surroundng will be the live stock center of the world. Recognizing these facts and being aware hat the Western National Fair at Bismarck the only great fair in Kansas this year, the reeders of fine stock from all over the country are making entries and securing stalls for xhibition at this great fair to such a remarkable extent that there is now not the lightest doubt that the Bismarck Fair will resent its patrons the finest, largest and nost complete live stock exhibition that has ver been made in the West. Not only are reeders from outside States bringing the pick of their herds in great numbers, but here are now a large number of importan breeders of pure stock in Kansas who windo
their best to vie successfully with competitrs from abroad. We need not mention the enefits which our readers can enjoy by inpecting this great show. It is the duty of very farmer and stoesman to keep thoroughly posted and abreast with the improve ments and progress of the times in the development of live stock. That there will
be an unprecedented number in attendance we an unprecedented

## Book Notices.

frank Listie's Sunday Magazineor September opens with a profusely-illus trated article on "The Bible in English," racing the history of the English version from Wyclif's to the latest versions. companying thisarticle are portraits of thirty of the Old Testament Revision Company and Wyclit, Coverdale and Tyndale, besides other illustrations. Illustrative papers on "Madagascar," "Picturesque Bith or Ja, and "Sarwick andtauqua Lake," will interest the geographical student. Bernhard Klein, Auguste Panseron, Johann Simon Mayer and Samuel Parkman Tucke,man are sketched in the Sacred Musician series; "ise Prodigal son," with two inlus-
trations, is the subject of the Parable, and "The Rival Kingdoms of Judah and Israel" the subject of the Bible History article.
 hunters, on the Nile, Aggand ars, he Prisoners Auners, one." Dre, Talmage's sermon on "The Boy Home," and his editorial com-
ments treat on fresh and timely topics. The two serial stories nocease short stories and
there are seeral goo shat
poems, besides an attiactive and abundant
miscellany, Putlished by Mrs. Frank
Lestis, 53,55 and 57 Park Place, New York ity, at 25 cents a number, or $\$ 2.50$ a year, postage paid.

For Sale.
Forty choice 3 -year-old steers, 100 choice 2 year-old steers, 200 choice yearling sters, Address, WourF \& McINTosi,
Topeka Stock Yard, Topeka.

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Our herd numbers 130 head of wellbred Short-horns, comprising CruickArabelle Woodhill Duchesses Las vinias, Floras, Desdemonas, Lady Jane and other good families. The wellknown Cruickshank bull BABMPTON'S PPIDE 49854 and the Bates bull ABCHID EAMILTON 49792 serve our herd. We make a specialty of milking Short-horns, milkers. Good, useful animals of both sexes always for sale.
Premium Berkshires very cheap.
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U. S. Grant.

UTM - iminnull
 locality. Responsible
louse our Rusiness in
ohanged.
GAY

## THE STRAY LIST.

HOW TO POST A STRAY. BY AN AOT if the Legislature, approved Feb 27, 1866 , exceeds ten dollars, the County Clerk is required, with In ten days after receiving a certilied description and
appraisement, to forward 07 mail, notice containing complete description or said atrayis the day or whoh
they were tiken up, their appraised value, and the



 ar the pro
or this law.

How to poit a firay, the feen fines and pon alties for not posting
Broken animals can be taken up at any time in the
yoar broken animals can oniy Unbroken antmals can onily be taken up between
the 1st day of Novermber and the 1st day of April
ox copt when found in the lawful enolosure of the atier-
ap
 If an animai
 Any person taking up an estray, must 1 mm .
divertiate advertise the same by posting three written notices
as
scriptin placea in the of township, giving a correct de scription of such stray.
IIfuch suray 18
not proven op at the expiration of
ten days the taker-up thall ko before any Juetice of th that such stray wastaken ano on has prembees, thatin $h$
did not drie nor caune it be driven there, that $h$ has advertised it for ten days, that the matre an
brand have ot been altered, also he shall give a ful
desoription of the same and its cash value. He sha digog give a bond to the state of doable the value of such
aifreg.
 posting make out and return to the County Gerk,
certified copp of the deaription and value orsuch stray

 ara notifed the taker up oot the time when, havin the
Jutice before whom proo will be offered. shail be delivered to the owner, on the orier of the
Justice, and upon the paymento all hargee and costa If the owner of a stray falls to prove ownershi
Fithin twelvemonthe atrer the time of taking, a com
diete Athe ena or a year artrer a stray is taken up, the Jus-
tice of the Peace shall isgue a summone to three housebe served by the taker up sald appratser or two
 tico They shall atso determine the cost of keeping, and
the benefits the taker up may have had, and report same on their appraisement. vests in the taker-up, he of taking ap posting and taking care of the stray one-hal of the remainder of the value of suoh stray,
Any person who ohall sell or dispoen of atray or tait
the mane out of the state before the ittle shail have veet.
 anne of twenty dollars
Strays for week ending August 5, '85 Rush county--L. K. Hain, clerk,





Ellsworth county-N. H. McCoy, olerk Cow-Taken up by Geo. LL. Kitchell, of Empire tp.
one red -roan cow, 3 years old, crumpled korne, under
bit In left ear. OALF-By same, one mhite sucking calr; both fore
koing auimals valued at HEIFR-By emed one d ork brown helfer, about
Hears old, no marks or brande ; valued at 221 .

Russell county-H. C. Hibbard, clerk.
 cars old, ear cropped, no brande.

Franklin county-L. Altman, clerk.
 ued at tik. gh asme, one red 1 year-old ateer, aame
ear-Emk


Butler county-James Fisher, clerk.

Strays for week ending August 12, '85 Harvey County---John C. Johnston, clerk.



Barton county--Ed. L. Teed, olerk.


Graham county .--H. J Harwi, clerk.
 torns ; valued at $\$ 20$.
Marshall county--H. C Woodworth, olerk.



RIVER VIEW Stock Farm.

## 50 HEAD OF

## IMPORTED NORMAN

 STATIIOINSJust arrived from Franco, added to my stock or. Norman Horses, which now numbers upparde of 100
HEAD, from 2 to 5 years old. Partles wibhg HEAD, from 2 to y years old. Parties wiahing my Normans betore purchasing eileewhere. Prices and terms to sult purchasera. All of the above stal Hons were selected by myealf in France this saasoon. (Mention this paper)
JAMHES A. PFRRT Importer and Brerder of Norman Biver View Stook Farm, Wilmington, Ill. Fithy
rallroad.

If WILL BE AN ADVANTAGE to always mention


## BERKSHIRE HOGS.

My herd now numbers about Forty Breeding Sows and Four Boars, Including representatives of the bees amilites of the day, and also prize-winnere at the lead
ng shows of this country, Canada and Englind. arve now in use in my herd sows that won in Englan Lu 1883, 1888 and 1881 , and deecendants of noted prizeInners previlous to that time. The principal boar 1381, who won tn 1883 the frrt prize at four leading hows in England, including arratat the Royal show, and also Arrat prize at two leading showi in Canada, ie hus won six coninuous irrt prizer without being ther boar. I padd $\$ 400$ for " Duke of Monmouth," Ho $s$ a pplendid breeder, an animal of great constitutlo nd comes from the same familly as my old boar s now almost eleven years old and still allve. I have now a splendid lot of plgo from three to six montha
Id, the bulk of which are got by "Duke of Mon old, the bulk or which are got by "Dake of Mon
mouth." I would also tpare a few of my moms, young nouin." I Would aiso sparea few or me sows, Jore or old, when in pir, and part orm the
do not advertise prices as low as the lowet, for I cannot afford to sell as low as those who bought a cheaper lases of stock to start witb, but my prices are reasonable and within the reach of all who know the value $c$ art--lases stuck. My herd of Berkshires show as muo ize as hogs or any breed, and 1 am sure I can sho
 every prominent herd ol Berkbirres in the West contaliss representatives from my herd, and thits alone considered in connection with the many prizes I has beyond a doubt the quality of stock $I$ am producing rom year to year. No breeder or any kiral years past bought and retalned in his herd so many valuable animals at an equal cost as I have. I have issued a ner oatalogue this season contadning the pedigrees in ful of my herd and a limited desoription of each animal, logether with a complete line or prize wor tor all years past. This catalogue 1 wir
feel interested enough to
to
write for tit
I am also breeding High-grade Short-horn Cattle and Merlno
rams for sale.
I have reduced rates for shipping. All parties vistitling from a distan
the train. if notice is given in tlme .
For prices or any further information, addrees
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BERKEHIRE PICS!
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We are now ready to sapply the Western trate with
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and Gipay familics. At the head of my herd stands HART OF CARIISIF 10459 ,



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 Come and see or oddreen
pleasant valley herd
Pure-bred Berkshire Swine.


I have thirty breeding sows, all matured animala na or the very best strans of bloo. I am ueding


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Breeders of Thoroughbred Poland-China 8wine




OTTAWA HERD OF
Poland-China and Duroc Sersey Red Fogs,

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 EMPIRE BREEDING FARM,



## The Busy ßee.

## Oontrolling Bees,

Nature has provided the honey bee with weapons to defend its stores, and combativeness sufficient to use them when necessary, says Mr. T. Brasel in the Farmer ind Dairyman; and he continues: If the bees were powerless to repel an enemy, there are a thousand lazy depredators, man not excepted, who would prey upon the fruits of their industry, leaving them no store. Had it been thus arranged, this industrious insect would probably have long since become extinct. It behooves us, in view of these characters, to ascertain what are considered as insults. First, all quick motions about them, such as running, striking, etc., are noticed. If ou movements among them are slow, cautious, and respectfal, we are often al lowed to pass unmolested, yet the exha lations from some persons appear to be very offensive, as they attack some much sooner than others, though I ap prehend there is not so great a difference as many suppose. When an attack is made and a sting follows, the venom thus diffused in the air is perceived by others at some distance, who will immediately approach the scene, and more stings are likely to be received.
The breathing of a person into the hive, or among them when clustered outside, is considered in the tribunals of their insect wisdom as the greatest indignity. A sudden jar, sometimes made by carelessly moving the hive, is another. After being once thoroughly irritated in this way, they remember it a long time, and are continually on the alert; the moment the hive is touched they are ready to salute a person's face. In adjusting the boxes and frames, some of the bees are apt to be crushed or cut into. Their surviving comrades are very liable to remember this, and to retaliate as occasion offers. Bees never make an attack while in quest of honey or on their return until they have entered the hive. It is only in the hive terd in its vicinity that we may expect them to manifest this irascible disposition. I must disagree with any one who says we are always warned before being stung. Two-thirds of them sting without giving the least intimation. At other times when fully determined on vengeance, they will strike the hat, and remain a moment endeavoring to effect their object. In this case one has merely to hold down the face and protect it from a second attt $t$, which is quite sure to follow, as they fly horizontally the face held in that position is not liable to be attacked. When they are not so thoroughly angry, they often approach in merely a threatening attitude, buzzing around very provokingly for several minutes in close proximity to one's ears and face apparently to ascer tain our intentions.
If nothing hostile or displeasing is perceived they will often leave; but should a quick motion or a disagreeable breath offend them, the dreaded result is not long delayed. Too many people are apt to construe these threatening manifestations into positive intentions to sting. Persons using liquor or tobacco are never successful bee-keepers. Smoke is a controlling agent. The ability to subdue the irascibility of these insects by the judicions use of smoke, has been so clearly demonstrated by years of successful practice, that little need be said concerning the necessity of it further than to cousider the best modes of applying it. Uld English beemasters of the past were familiar with the stupefying effects of "puff-ball," a well-known fungus found in this country as well as in Europe, which our yet-
eran bee-keepers also largely used in their earlier experience. Tobacco next came extensively into use and for many years was considered the sine qua non of controlling agents; although delusive in its-effects, it arouses such an antagonism in the bees that the repeated use of it but serves to insure irritability Although Mr. Quinby recommended it in the previous editions of his work, he had, for a number of years, discontinued its use, having found partially-decayed o be an cficint burn it all o his late writings, he discontinued the use of tobacco, and advised wood instead.

This, That and the Other, Great Britain and Ireland contain 30,000, 000 head of poultry, and Great Brita
annual egg bill amounts to $\$ 1,250,000$. Michigan holds the championship of the From 1,649 establishments, $2,554,717,000$ are nade per annum.
Twenty-five hundred different kinds oo Tokio University of Japan. Fishing must bo sometimes dangerous pastime in Japan waters.
The Mexican government has given notice that country, that, owing to the rex ravages o
thate
the locusts corn will be admitted fres the locusts, corn will be admitted free o
duty, and that every encouragement will be offered to the American product
The elephant can go. A very good ivory skin. The next improvement will be the playing of the game of billiards by machinery. When this is done young men
stay at home and improve their minds. The value of raw cotton exported from
the United States during 1884 is estimated \$170,000,000, while that manufactured in the
wills of this country was valued at about mill's of this country was valued at abou
$\$ 90,000,000$. The value of cotton goods ex ported during that time was $\$ 11,095,119$.
Thirteen must be a lucky number. John sumption at the age of 60, leaving a family o-day the children. All are alive and wel . Sickness has never troubled the family. "Mystery gold," a composition of platinary acid tests and is said to weigh as nurd as pure yold, is in favor in Encland fo
articles of jewelry, and has been availed or by counter
sovereigns.
Chili seems to have been very successfu in hire railway experiments. TTat Repsublic
now owes on account of enterprises of that now owes on account of enterprises of that
sind $\$ 22,470,000$. In 1883 these earned a revenue of $\$ 5,5160,0$ on a capital of origi-
nally less than $\$ 80,000,000$, and which is now reduced to $\$ 22,450,000$.
The United States has 17,000 dentists, who
ise a ton of gold and five tons of otherment use a ton of gold and five tons of other metal Only one American in eighty is found to
have perfect teeth, and one-third of the population make
ficial product.

$$
\begin{aligned}
& \text { ficial prodect. } \\
& \text { The Indian }
\end{aligned}
$$

The Indian Medical Gazette records the deaths of seven shepherds in the Belgum the size of cocoinuts. A large number of
animals were killed by the storm, which from accounts, produced missiles quite a
dangerous as the Russian cannon balls.
Soft shell crabs when out of the water ar very sensitive to thunder and lightnining and
whether on train or steamboat or in crates in the market, 75 per cent. of them, according to a New York dealer, are killed by a
thunder storm. The cause of this is not understo od, but the dealer in question thinks they are scared to deati.
Among the more fastidious Europeans there is an impression that the flavor of tea of Europewned heads and wealthy nobint them three times the prices paid in America
for a brand bearing the same name, but for a brand bearing the same name, but
which is brought by Russian traders in immense caravans overland from China. The mende is very profitable.
trater

Save time and money by using Stewart's Heal-
Ing Powder for outs and sores on ar' mals. Sold
every where, 15 and 50 ots. a box.
Stock sheep should be kept in a good thrifty condition. but not fat, says the Cana-
dian Breeder. Keeping sheep over-fat for any length of time is injurrous, and the judi--
cious farmer avoids this condition in his cious farme
etock flocks.

Nervous Debilitated Men You aro allowed a free trial of thirty days of the
see of Dr. Dye's celebrated Voltale Bell with Electric Suspensory Appliances, for the speedy



During the season of heat and biting insects, it is humane, as well as profitable, to iurnish farm animals protection against
both when not grazing. oth when n.
will do this.
The time to buy is when every one is anxious to sell; then the market is overstocked and prices are depressed below
their natural level. If this be true, there never was a better time to invest in sheep than just at this particular period.

##  

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spangled Hamburgs are the best layers and I have heard others say so，too They are very handsome，and are not nearly so wild as the Brown Leghorns． They are fine fowls for eating，as their nesh is juicy and sweet，but they are skin has a blue color．For eggs，they cannot be excelled．Their eggs are ot moderate size，not quite so large as those of some of the larger breeds．In some instances，one hen has been known to lay from 275 to 300 eggs in a year．They are non－sitters．The chicks are easily raised，being very hardy．I would advise those wo want prontabl fowls to try the Silver－spangled Ham burgs．

The subject of in－breeding is one on which there is much to be said on both may be said that the tendency of close breeding is always to reduce vigor and stamina，and nothing but uncommon strength of constitution in the stoc can withstand this tendency toward deterioration．In favor of the practice， marks or traits may be fixed more rap dly and surely by in－breeding than by ut－and surg excepting such traits ualities as great size or vigor，which are directly attacked by the process of close breeding．Altogether，excepting in rare instances，we are opposed to in－and－in breeding as productive of lasting evil effects capable of outwoigh－ ing the good produced．Close breeding has filled many a poultry yard with weakiy，roupy fowls．A true lover on practices that will diminish that health and vitality he prizes．

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We know of but 23 Cows that have made yearly records exceeding $\mathbf{1 6 , 0 0 0} \mathrm{lbs}$ ． Twenty－five bave averaged over 16,000 ibs in a year．SIXxy－three，the entire number in the Herd that have
made yearly recorde，including 14 three－jear－olds and 21 two－year－olds，haveaveragea 12,785 Ibs． 5 ozs．In a year BUTTER RECORDS




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