ESTABLISHED, 1863. VOL. XXVII, No. 8.

### TOPEKA, KANSAS, THURSDAY, FEBRUARY 21, 1889.

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TOPEKA, KANSAS.

OFFICE STATE SUPT. OF PUBLIC INSTRUCTION, L TOPEKA, BAS., January 16, 1889.

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Very respectfully yours, GEO W. WINANS.

Very respectfully

very respectrally yours, GBO w. winking.

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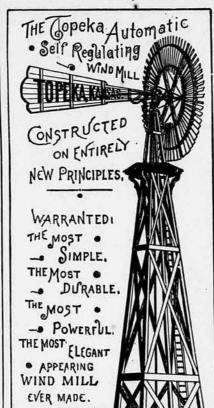
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#### WEATHER PREDICTIONS.

By Prof. C. C. Blake, Topeka.

[Parties interested in this Weather Department will please send their subscriptions for the Kansas Farmer to C C. Blake, Topeka, Kas. All others will please send to the Kansas Farmer diect. See advertisement of Blake's Weather Tables on another

SPRING CROPS.

We are under obligations to the readers of the Kansas Farmer for the large number of kind letters with which they have favored us recently, and will do our best to merit a continuation of their kind regards. We do not know how we can do this better than to use our best endeavors in helping them to plant such crops as will pay the best. We have shown in our "Tables" that in about two-thirds of this State the amount of rain during the coming crop season will be enough to insure a large crop of the ordinary variety of corn. In such localities the farmers do not need much meteorological advice, except as to the best time to plant. But the "Tables" show that in the other third of the State the rainfall will not be sufficient to produce ordinary corn, while it will be abundant for wheat and oats. Our book also shows that after the present warm spell terminates, a very stormy spell will ensue ending with hard freezing. On account of this cold spell in March and April we dare not advise sowing oats now or in March in the northern part of Kansas, and if oats are not sown before the middle of April we are fearful that they will not make a good crop, especially this year. But we know that wheat can be sown in February with perfect safety, as subsequent freezing will not harm it, and the sooner it is in the ground in all parts of Kansas the better it will yield. If sown early it will mature before drouth can harm it in all parts of the State, and it will also avoid much of the danger from chinch bugs. In case of bugs, the last ten days is very important. Many of us have seen fields of wheat entirely destroyed by chinch bugs, while other adjoining fields ripened a week earlier and were unharmed. But even in those localities where the rain will be abundant, as an average for many counties, it is more than possible that there may be local streaks that will be too dry; hence it would be well for each farmer in the State to sow more or less of spring wheat, unless he has a good acreage of winter wheat, so as to have something if a dry streak or spot should visit his county or township. All farmers can afford to do this at present for for spring wheat as they are and will con- that Kansas farmers tinue to be this year. The work can be done last but not least, the price of wheat will be very high about harvest time, so that it can be sold directly from the threshing machine. We are not unmindful of the fact that since our predictions were published in the "Tables." the "bears" in Europe as well as in America have used every possible sort of tactics to reduce the price of wheat so as to tions, but we are in a position to know bet- couraged and about to give up the ship. cannot sow wheat till too late.

tor; we have no better class of patrons for our "Tables" than the great grain dealers. A great many of the largest grain houses in Chicago, St. Louis, New York and other cities have sent in orders for the "Tables." And such parties hardly ever take one copy; they generally order a quantity. They would not do this if they placed no confidence in our predictions. But while these parties are among our best customers, we frankly state that our sympathies are with the producers and consumers rather than with the middlemen. We are satisfied that the price of wheat would not have been as low as it has but for our predictions. But when these great dealers saw our predictions, they knew that a very great shortage in the world's crop of wheat this year was inevitable, no matter how much Kansas might produce. They then concluded that the first thing to do was to reduce prices to as low a point as possible and compel farmers who were in need of money to sell cheap. But they have not succeeded to as great an extent as they intended. We have what we consider reliable information that they intended and have repeatedly tried to put the price of wheat in Chicago down to 70 cents per bushel; but the confidence in our predictions among a very large class of people has been such that whenever the price was materially reduced a vast number of buyers sprang up from unexpected quarters, and so quickly and quietly absorbed all offerings, however large, that the biter has repeatedly been bitten and so severely that it hurts.

Since the first of January, the predictions in the "Tables" have been so nearly fulfilled that all over the land people are fearful that our terrible predictions for next summer will also be fulfilled, and it is producing hundreds of new investors in grain. In January the rainfall was less than predicted in a few localities and correspondingly more in others, while in a majority of places it was almost exactly as calculated. In the whole country at large it was within less than 1 per cent. of the amount calculated. The same was true as to temperature. The mean temperature in Kansas was a little higher than calculated, and in a few other places it was a trifle lower, while in most places it was almost exactly as calculated in the "Tables." The postmaster at Stolzenbach, Marshall county, Kansas, writes us under date of February 5 that the temperature there was 8 deg. below zero January 20. On the first of February the Topeka ice dealers were cutting ice here that was ten inches thick, which indicates that the temperature had been not far from what we predicted. Thus far the February weather indicates that our predictions for this month will be very closely verified. The cry of "infallibility in my township" has about spent its force. Intelligent men no longer expect that the maximum, minimum and mean temperature, and the predicted number of inches of rainfall as an average for a whole State are all to be verified in the township where they reside. They now take a more comprehensive view and notice what the weather has been in other counties and other States; in so doing they find the verification all that could reasonably be desired. This gives confidence; confidence breeds action, and action makes business lively.

Therefore we do not think it possible for the "bears" to force the price of wheat to a lower point than they already have done, because every time they try it they get the worst of it, and even a bear will be cautious after he gets his hair singed, his claws clipped and his teeth knocked out a few times. But in a few months from now, when it becomes manifest that only a few favored spots can hope to raise much of a wheat crop, even the maimed "bears" will several reasons. There is not one year in climb for it, if they have vitality enough left five when all the conditions are as favorable to make a struggle. Therefore we affirm soak down to furnish moisture during the will find it to their in terest to at once seed extensively with spring now while there is nothing else to do. And wheat, with every possible assurance of a large crop and large prices as seen as threshed from the shock. A few thousand now be prepared in that way so that it will dollars in July will come very handy in wiping out that mortgage which hangs like a millstone about your neck. Old subscribers pretty dry in July and August. will remember the story we published in this paper last summer about the \$20,000 mortgage which an Illinois farmer paid in full compel the producers to sell itcheap in order with his wheat crop of 1879, and which he A soon as it melts, wheat seeding should be that they may own it all when they run "the seeded on the strength of meteorological inbig corner." Some may think that the great formation obtained from us in the summer into March may be so bothered with rain, grain dealers pay no attention to our prediction f 1878, at a time when he was entirely distilled and snow, as well as freezing, that they

Since writing our article of last week we find that plenty of Odessa wheat is still grown in Kansas, only that it is known by another name. It is called "grass" wheat. Odessa and grass wheat are one and the same thing. The Capital Elevator company of North Tepeka, Kas., now have 1,400 bushels of it on hand which they are selling at present for \$1 per bushel. We are also this day, February 15, in receipt of the following letter:

day, February 15, in receipt of the following letter:

Beloit, Kas., February 11, 1889.

C. C. Blake:—I have your last three Weather Tables, and read closely what you say in the Kansas Farmer. I want to farm according to your plan this year, but am in a quandary what to do about wheat for seed. I can't find any one that knows what O tessa wheat is unless it is what we call out here "grass" wheat. It is either spring or fall wheat, owing to when you sew it. A great many think it and the O dessa must be the same. It is the kind that is mostly raised here. Can you give any light on the subject. Are they the same? You will confer a favor on a convert of yours by answering the above. We had two inches of snow last Saturday. R. A. Moore.

Also, under date of February 14, 1889, Jas.

Also, under date of February 14, 1889, Jas. W. Bouk, the seedsman of Greenwood, Neb., replies to our letter as follows

Neb., replies to our letter as follows:

C. C. BLAKE:—In regard to the Odessa or "grass" wheat you speak of in your letter, it has been discarded by almost every farmer in this section of the country. I consider the Saskatchewan Fife wheat as the best spring wheat to sow on new ground, and in regard to its withstanding frost, two years ago I had trouble with its living over through the winter and a volunteer crop coming the next spring, enough to bother in tending corn pianted on the wheat stubble. Will quote you this wheat when taken in full two-bushel sacks at \$140 per bushel. For sowing on old ground I consider the Minnesota Blue Stem or "velvet chaff" wheat the best. Will quote you same price, viz: \$140 in full two-bushel sacks. I mail you to-day samples of both of the above-named variesamples of both of the above-named varie

The samples mentioned have been received, and are very fine. They can be seen at the KANSAS FARMER office. It seems that the Saskatchewan Fife will endure hard freezing as well as the Odessa or "grass" wheat. It is a very fine wheat and brings a high price in the market. It might be well for some of the Kansas farmers in the northern countles to send for it and introduce it into this State, if they have it not. But during the present scarcity of money we think the Odessa or "grass" wheat which can be had cheaper and nearer will do well this year.

We had intended to write about other crops in this issue, but have so many letters inquiring about wheat, which should be sown at once, that we defer other matters till later as they are not urgent, and we have not space for both. We would suggest, however, that those who do not intend to sow wheat and who intend to plant corn as early as possible should now be plowing, as it probably will not do, at least this year, to put in early corn with a lister. The lister will do after the ground becomes warmer. But Mr. A. A. Disney, who was mentioned in the "Tables" as having raised two good crops on the same ground last year and then put in a third crop, fall wheat, was in our office this week and says he adopted our suggestion in regard to subsoil plowing; that as he had no regular subsoil plow he used the lister last fall in preparing his ground for corn to be planted early this spring; that as he had plenty of large horses he put three of them onto a strong singleshovel plow and with it opened up the subsoil in the bottom of the furrow made by the lister to a depth of twelve to fourteen inches. letting the soil roll back again; that he will harrow the ridges down somewhat this spring and then drill his corn early in these furrows. We do not see why this is not a good plan where farmers have plenty of horse power. But a regular subsoil plow will do as well and takes much less power. This loose subsoil will allow the water to ry weather, and will leave the top soil dry where the corn is planted. We think this plan will produce a large yield of corn, and do not perceive why corn ground cannot become warm and ready for early planting in April in those sections that are to be

Since writing the above, most of the precipitation predicted for February has fallen in the shape of snow in all parts of Kansas. vigorously continued. Those who wait till Publishers' Paragraphs.

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For several years Prof. J. A. Lawrence, of New York, has advertised "catarrh cured" in this paper. He informs us that he will send a free receipe for treatment to any person sending their name and address. See his adv.

The mail service in the West is certainly doing a "helter skelter" business, judging from the vexatious delay in handling paper mail. We mail our papers regularly and promptly, and yet it often takes a week to reach subscribers 100 miles distant.

Have you ever getten up a club for the KANSAS FARMER? If not, try and see how easily it is done. Nothing is more appreciated than to have any of our readers send us one or more new subscribers. And And we are glad to reward such efforts too.

The mammoth 150 page catalogue of Everything for the Garden" for 1889, by Peter Henderson & Co., Cortlandt St., New York, is at hand, and must have been very costly to publish. It will be sent to any one on receipt of 25 cents in stamps, which amount maybe deducted from the first order. It is a thing of beauty and worth having. Send for it.

Send for it.

The Smalley Seed Company, of McPherson, Kansas, place their advertisement in this issue of the Kansas Farmer, and it is with pleasure they are commended to your patronage. This firm imports, grows and deals in field, garden, flower and tree see ds. They carry large stocks of field seeds of superior quality, making a speciality of seed corn. Their list of early corn contains the best to be had anywhere, and from a visit to the Smalley Seed Company's mammoth stores, it is safe to say that they have the largest and best equipped establishment of the kind west of Kansas city. It will pay you to patronize them. ou to patronize them.

you to patronize them.

Notwithstanding the introduction of orchids and other rare flowers, new varieties of such old popular favorites, as sweet peas, pansies, balsams and phlox, recently developed by skillful hybridizing and selection are really entitled to rank among the most beautiful of all flowers. W. Attee Burpee & Co., the Philadelphia seedsmen, advertise in this issue a remarkably cheap diamond collection of fifteen best varieties for fifty cents, containing new improved strains of their own growing, which will doubtless prove a pleasant surprise to many of our readers. They have mailed us a sample collection, neatly done up, each packet bearing an illustration of the variety, with concise directions for cultivation.

Alden & Faxon, Nawspaper Advertising Agents, Nos 66 and 68 West Third Street, Cincinnatt, One, have just issued a very neat catalogue of the leading American and Canadian newspapers. It is very attractively gotten up, the fivographical wark

n-at catalogue of the leading American and Canadian newspapers. It is very attractively gotten up, the typographical work being above reproach. A very interesting feature of this catalogue is the publication of sample advertisement, and instructions to new advertisers as to the best method of making money out of newspaper advertising. This firm are especially good counsel in the direction of newspaper advertising, from the fact they have written the advestisements and made successful some of the most prominent firms in the United the most prominent firms in the United States. This list will be sent free on application.

#### THE INAUGURATION

Of the President-elect will take place at Washington, on March 4, 1889, and should be witnessed be all who can possibly spare the necessary time. For this occasion the BURLINGTON ROUFE," with its usual "BURLINGTON ROUTE," with its usual liberality in such cases, has made the remarkable low rate of one fare for the round trip, and will sell through tickets to Washington and return at this rate, thus placing the excursion and a short vacation within the reach of all. From the Missouri River a choice of routes is offered, viz: via Chicago, St. Leuis or Peoria, in connection with any line desired east of these points. The equipment of the Burlington Route is surpassed by noue in the way of comfert and passed by noue in the way of comfert and elegance, and its time is as quick as the quickest Tickets will be on sale from February 27 to M rch 2, inclusive, and will be good returning until March 10. Go yeurself and persuade your friends to go, and buy your tickets over the Burlington, Bonte (H your tickets over the Burlington Route (H.

wonr tickets over the Burlington 1808 (A. & St. J. R R)

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FEBRUARY 27.—Public sale of Percheron and French Coach horses, by Degen Bros., Ot-tawa, Ill.

English Red Polled Cattle.

EDITOR KANSAS FARMER:-As We have had about five years experience in breeding the English Red Polled cattle, with your permission we would write a few lines upon the subject. We have about one hundred head of registered pure-bloods, mostly imported from England, and about one hundred and fifty head of one-half, and three-fourths blood, raised by the use of the pureblood Red Polled bull with Short-horn cows. We are very much pleased with them, as a large size, yery hardy, handsome, and hornless breed of cattle. We are satisfied that these cattle will come to the front as the very best combination of good qualities. It will be seen by the weights given of the prize animals at the London Smithfield Show, held December 10 to 14, 1888, that these cattle are of a large size and earlymaturing breed. In the 2-year-old class, Mr. J. J. Colman's first prize steer, at 2 years and 2 months, weighs 1,722 lbs.; the second prize steer, owned by Mr. A. Taylor, at 2 years and 11 months old, weighs 1,831 lbs. In the 3 year-old class, the first prize steer, owned by Mr. H. Bullard, at 3 years and 9 months, weighs 1,854 lbs.; the second prize steer, owned by Mr. Colman, at 3 years and 10 months, weighs 1,972 lbs. A 3 years and 9 months heifer weighs 1,510 lbs., a 3 years and 3 months heifer weighs 1,518 lbs., and a 3 years and 2 months heifer weighs 1,736 lbs. Mason, the head of our American herd, weighs 2,050 lbs., and his sire, Slasher, weighs 3,150 lbs. I send you, herewith, the testimony of another American breeder:

"For fifty years, Suffolk Co., England, has been celebrated for its dairy products, chiefly from Polled cows, and accepted authority in England says, in substance, that some, in the height of the season, gave eight gallons of milk daily. A large dairy, near London, found Red Polls to be deep milkers and rich in quality. In a year's test, the Royal Agricultural College of England, between a Red Poll cow and two others, each of them of the best family of milkers, the Red Poll gave the richest milk of any, except one Jersey; and made the most butter, except one Guernsey:"

McLain Smith, in the Breeders' Gazette, says:

"There has been, so far as I know. but two public tests of Red Polled cows in the country. The first was that of a 2-year-old heifer from my own herd, entered in the test at the West Virginia State Fair in 1886. She came fresh a few days after she was 2 years old, and at the time of the test had been milking becoming frightened. No doubt of it; seven months, and was six months in calf. She went to Wheeling from our State Fair at Columbus, and for several weeks had not a bit of succulent food of any sort. She gave in the test, accord- claimed they spent \$25,000 in four days ing to the official report, a little over 50 in order to defeat the object of that lbs. of milk a day, containing 14 per conference. It is alleged they are cent of cream. No chemical analysis robbing us of \$50,000,000 annually. If was made.

"At the Iowa State Fair last year a two-days' test was held, in which, the tune of \$100,000,000, simply beamong others, the celebrated Holstein cause our legislators want to investicow, Tritomia, was entered. Tritomia, I believe, is considered by the editor of ready know, and so declare. If the the Dairyman, as the best Holstein cow in the West, if not in the United States. Polled cow, Floss 2d. Tritomia, in the for the purpose of compelling farmers the recipe free of charge.

two days, gave 132 lbs. of milk, which made 2.97 lbs of butter; Floss 2d gave 781 lbs. of milk, which made 2.72 lbs. of butter-just one quarter of a pound of butter, in two days, less than Tritomia.

"At our Centennial Exposition in Ohio, this fall, it was proposed to have an elaborate thirty-day milk test, in which account should be taken not only of the yield of milk and butter, but of the food consumed. My Red Polled cow, Lady of Tuttleshall, was the only animal to face the music. Holstein and Jersey breeders seem to have considered discretion the better part of valor. Not a cow of either breed was entered."

From the above statistics, we show the very best combination of beef and milk qualities. And our own experience proves that the first cross with any other breed, gets all calves without horns, and nearly all of a deep red color. J. S. & L. K. HASELTINE.

Dorchester, Mo., February 11, 1889.

The Beef Combine--Why Dally in the Matter?

EDITOR KANSAS FARMER:-Doubtless the above question presents itself to the mind of every farmer and cattle-raiser in the State when he reads the recent action of the State Senate upon what is known as the beef and pork combine. Mr. Gillett, in his remarks upon his resolution, as reported, claimed that this combine had absolute control of the beef product, and had so depreciated prices that one of the most important industries in Kansas was being ruined. Now, if Mr. Gillett knows that to be a fact, why did he introduce the resolution that he did? The resolution provides that the Governor shall open up a correspondence with the Governors of other States interested, with a view of securing joint action of such States; also take steps to secure a convention of representatives of the several States, with a view of securing uniform legislation upon the subject. I ask again, why dally in the matter? If these evils exist, and Mr. Gillett says they do, why not at once introduce a State live stock inspection law, as recommended by the KANSAS FARMER some time since The action of the Senate, if concurred in by the House, simply defers action upon the matter for two years more, for we all know the Legislature will adjourn long before the action referred to in the resolution can be taken. The farmers and cattlemen of Kansas have already suffered from the rapacity of that outrageous combine for the past three years, and why should we be compelled to submit to it for two years more, simply because the members of the Legislature choose to handle the matter very gingerly? The majority of them owe their election to the farmers, and if they can't help us any they had better at once resign and go home. It is said the members of the combine are but not from reading Mr. Gillett's resolution. It was from the action taken at the recent national conference of cattlemen and butchers. It is so, why delay action for another two years, and allow them to fleece us to gate. Investigate something they almouth disease breaks out, or the Texas fever prevails among our cattle, and we

along the highways to keep their hedges trimmed just five feet high; and to make new judicial districts; and to keep us from voting any more bonds to railroads; and provide a commission to revise the statutes of the State; and to provide for the drawing of their pay; but when it comes to enacting an inspection law in order to cripple this gigantic combine that is sucking the life-blood out of our cattle industry, why, then they must investigate and let it have its own way for two years longer. If the House concurs in the Senate's action, no bill will be passed J. F. COULTER. this winter.

Russell Springs, Kas.

Roots for Stock.

EDITOR KANSAS FARMER:- There are few Western farmers who make any effort, whatever, to grow roots for stock. If upon harvesting the crops in the fall, there is a surplus of potatoes. turnips or beets that cannot be marketed to advantage, they may be fed out, but to grow them especially for this purpose is done by but few. Yet there is no doubt but that in many cases they could be made a substitute for corn, lessening in many cases the cost and securing better health. There is no doubt but that in many cases too much corn is fed. That in the West it is one of the cheapest and best foods that can be used is not to be denied. yet it can be fed to excess; better results could be obtained ith more of a variety. In addition , this the risks of failure in havir; a full supply of feed will be much less if a variety of crops is grown than when the whole dependence is placed on one crop. Two or three of our farmers tried this plan last year and more will try it again this year, as it is becoming evident that if the fertility of the soil is to be kept up and good crops secured a change from a continual growing of corn must be made.

In a loamy, sandy soil, well prepared and properly planted, large yields of roots can be secured, much larger than is possible with almost any other crop, and while the labor of harvesting may be something more than with corn, the increased yield, with the advantage of having a variety and of growing a variety, will more than balance this. I would not advise any one to go into the growing of roots for stock too extensively at first, yet I am satisfied, and so much so that I intend trying a patch this spring myself, that with many it would be a good plan to try a small patch, taking pains to have the soil in a good condition before planting the seed, and then securing good seed, planting carefully, and thinning after the plants make a good start to grow and giving good cultivation. All things considered, mangel wurzels will probably give the largest yield, although I am planning to plant mangel wurzels, artichokes and parsnips. The cost of making a trial would be small, while, by keeping an account of the work done, each farmer could determine whether with usea N. J. SHEPHERD. variety.

Eldon, Miller Co., Mo.

Oatarrh Cured.

A clergyman, after years of suffering from that loathsome disease, Catarrh, and vainly trying every known remedy, at last found a recipe which completely cured and saved him from death. Any sufferer from this She was sold recently at a public sale, if all know it, do we stop and investigate dreadful disease sending a self-addressed I remember rightly, for about \$1,700. In before the passage of a law to suppress stamped envelope to Prof. J. A. Lawrence, the same test was Gen. Ross' Red it? The legislators can introduce bills 88 Warren St., New York city, will receive Farmers Must Have Relief.

EDITOR KANSAS FARMER:-For some

time during the campaign a great many farmers thought your paper simply a guideboard to direct the farmer to a political party; but of late it is becoming to be understood that the FARMER is going to be what it claims, viz.: "the farmer's right arm." We are under lasting obligations to you for the fight you have inaugurated in favor of economy and reform in our legislative halls. You are right about interest. Six per cent. is enough as long as agriculture only pays 3, and of late far below cost of production. The senseless cry that Eastern capital would be withdrawn if interest is reduced to 6 per cent is for the purpose of preventing legislation. I personally know that Eastern capital wants rates reduced, from the fact that they now loan on good real estate security at from 6 to 7 per cent. An agent of one of the heaviest institutions represented in the West says that if the law should pass to reduce to 6 per cent. and made strong enough se as not to be disregarded, he can get all the money he wants to loan at that rate, but if the present state of affairs continues onehalf the farms of Kansas will, inside of two ears, pass into the hands of the parties who hold the mortgages. The reason is that Eastern men do not care to let their money go out where the law is such that any one who by any means is unfortunate enough to have to make a temperary loan is rebbed by the vultures whose hands he falls into until he can never meet his interest nor principal on his farm. Ex-Gov. Martin put it just as it is, only it is far worse than anything can be conceived from what he said.

Our Western farmers need not think that a failure of crops is all that alls them. Here in this county where I write, corn and all other crops were good, oats especially so, and the farmers are in the greatest distress. One of my neighbors was sold out yesterday on chattel mortgage. His cows brought \$11 apiece; corn, 11 cents a bushel; oats, 10 cents a bushel; horses, \$20 to \$36 each; an imported Norman stallion that four years ago he paid \$1,000 for at 2 years old, brought \$84. All this property was sold on time, as there is no money in the country to pay cash

for anything. I mention these things to show our brothers of western Kansas that they are not the only ones that are hard-up, and that if they can fight off the mortgage fiend and the usurer they will be all right, sorghum or no

sorghum.

I have seen the best sod corn in western Kansas I ever saw in my life, and I feel sure that it will yet put its villifiers to shame. Send in a petition to Congress asking for \$25,000,000 for sugar works in the West. It is a national interest, as much as any other. You need not expect to get it; but I want to hear the howl of "paternal government" that will go up from the bond-holders who are asking and getting \$30 premium on each \$100 of bonds, that originally cost them 50 cents on the dollar.

You say in your last issue that "a large majority of the members of the Legislature came to Topeka to amend our interest laws, but find a different atmosphere there.' Well, tell them for me, that however that may be, the atmosphere at home is the same as it was, only a good deal more so. I felt last fall, when the farmers were following the Jim Crow lawyers and Shylock bankers around with their torch-light processions, that probably the mere plank in the platform would be all they would get. Six per cent. interest, a three years stay law, and one or two other laws that the Kansas FARMER has proposed will be the only salvation of the farmers of Kansas. This state or not they could be raised profitably.

I am satisfied from what experience I have had that it will be advisable to prepare to grow some crop that can be used with corn to make up a good schemes of finance, let them get Senator. to get at the "true inwardness" of the robote schemes of finance, let them get Senator Plumb's speech on the bond purchase bill, and Senator Stewart's speech in the Senate on the first day of last May on the subject of "The conspiracy of the money power of this country and England to ruin the industries and cheapen the products of this country;" also Senators Beck and Reagan and others on same question.

In conclusion, let me say that cheap money goes where it is the safest, and that farmer is the safest who can not be robbed according to law. If S. M. Alexander, Zionsyille, Grant Co., Kas., will write to J. B. French, Burrton, Kas., he will hear of a farmer's organization that is beginning to help farmers very much in this part.

AN ALL-OVER KANSAN.

Burrton, Harvey Co., Kas.

### In the Dairy.

Our Dairy Interests.

Extract from the annual address of President Otis, before the State Dairy Association, February 5, 1889.

Kansas people, as a rule, are not fond of writing or speaking upon topics wherein Kansas fails to come to the front, but when any important branch of industry in our own State seems to fall behind a like industry in any other sister State, it is continually the part of wisdom to inquire into the cause and if possible apply the remedy. All of us readily admit the great and growing importance of the dairy interests in the diversified agriculture of our State and country. There is no one branch of husbandry that surpasses it, and in the present condition of Kansas agriculture our dairy interest should come to the front. It will help us to pay our debts. From the fifth biennial report of our State Board of Agriculture we learn that the total number of milk cows in Kansas in 1886 was 627,481, valued at \$15,-687,025, making an average of a little less than \$28 per head. The amount of butter produced from these cows during that year was 25,495,836 pounds, valued at \$3 824,375.40, or an average of less than 15 cents per pound; number of pounds of cheese manufactured from the same, 442,734 pounds, valued at \$53 128 08, or an average of 12 cents per pound; and the total value of milk sold. other than that made into butter and cheese was \$376,057. This makes a total production from these 617.481 cows in milk and its products of \$4,253,560 48 or a little less than \$6.78 for each cow. In other words, these 600,000 milk cows are not producing annually in dairy products a sum equal to the cost of keeping-placing that at \$10 per annum. It will perhaps be urged that the cows each raised a calf during the year that was at least equal to the cost of her keeping and that the owner had the value of her dairy product as profit, less taxes and interest on his capital invested. Admit this to be true and still the annual return from our milk cow is vastly too small. Wisconsin, with about the same number of cows reports an annual product of nearly \$25,000,000, or a little over \$38 to the cow, and this is not one-half what many good dairymen report as the dairy product of a good No. 1 dairy cow for one year. Now the question naturally arises, how does this happen? Why is it our census shows only a little over \$6 per head profit on our milk cows, when under favorable conditions it might be over \$60?

If these 627,481 head of cows in our State could be made to yield an annual dairy product of the value of \$60 per head instead of \$6.78, as shown in 1886, the annual addition to the wealth of our State from this source would be \$36 000,000 instead of four and one-half millions as now. Or, if you please, put the standard a little lower and suppose we could make each cow average \$40 per head. We would then have twentyfive millions as the annual yield instead of four and one fourth, as i and the saving of over \$20,000 000 to the farming population of our State is a matter worthy our careful consideration. In the light of these facts and as subjects for thought and discussion at this meeting we would make the following suggestions:

First-That we transform some milk cows into dairy cows.

Second-Increase the quantity of the animal dairy products of our State and improve the quality.

Raising Winter Calves.

EDITOR KANSAS FARMER: - After having the experience of raising calves at different seasons of the year, I have come fully to the conclusion that the winter season is the most economical and preferable in every respect. The most important point gained is, calves becoming of weaning age the middle or last of May, have all of the summer season to grow and thrive in, and will come up to the barn in the fall in prime condition to winter.

The first object in view is, to care for the calf as soon as there is an opportunity, and this will occur three or four weeks before being dropped, when the cow should be messed with bran, middlings and ground oats to fully develop the calf when it is dropped. But this feed should be left off almost entirely before her time is up to come in.

Before deciding to raise a calf we should be sure that it is of good form, and has an intelligent head or is a fool; but be sure the fool is not on the wrong head, and if it is a dude, fatten it for the

I am well aware that there are various opinions as to the proper age to take a calf from a cow to feed, but I am well satisfied, everything considered, that when about a week old is the best age, although it may take some time longer to teach it to drink than younger, but its system will not be thoroughly cleansed out till about this age, and it is very difficult for a calf a day or two old to properly digest its milk without the aid of all gastric juice or saliva possible, and to take a calf from a cow as dropped would seem to come under the head of "cruelty to animals." When commencing to teach a calf to drink, I let it take about two-thirds of its allowance from the cow, and take it off gradually. The most convenient dish to use is one with a handle to it. Then get astride of its neck with the palm of the hand on its nose, two fingers in its mouth. I give it the first lesson in drinking. If it bites your finger grin and bear it, don't cuff or swear at it. I continue to feed with new milk until it will eat hay, which it will do in about two weeks if it has access to it, and it should be bright-colored or fine hay. Then add some skimmed milk, and also a teaspoonful of flax seed or a large spoonful of oil meal steeped to a jelly. When three or four weeks old the milk may be all skimmed that is fed to it, but it should have a ration of bran, middlings and sifted oat meal given dry, and better, if given in connection with its hay. I have no particular rule to govern the quantity of feed, but every man should exercise his own judgment as to what a calf requires. But with commencing any new feed the quantity should be small at first, and increased as to age and size. But be sure and not to overfeed to bring on the scours. When skimmed milk is fed it should be tested with a cream thermometer to ascertain the warmth, and should range 90 to 100 deg. The feed should be continued a short time after turned to grass and lessened grad-

The next winter don't corfine it on the sunny side of a wire fence, but provide a comfortable place for it, and give it a ration of bran, oat meal and middlings and add a ltttle salt, and if intended for beef in the future, add a handful of corn meal.

I do not claim this to be a perfect ration of feed, but present it with the hope that it may draw out from others a more perfect mode of feeding.

CHARLES M. CASE. Enterprise, Dickinson Co., Kas.

Henry Stewart says that in churning, the it has reached that pass. temperature must be kept at 65 degrees in winter and not over 61 degrees in summer

The crank churn should not exceed eighty revolutions per minute, and as soon as the butter gathers in small granules as large as wheat grains, stop; then draw off the buttermilk and wash with clear, cold water or brine. Pour the water or brine in, turn for a few times, draw off and repeat till the water comes away clear.

#### About Corn.

EDITOR KANSAS FARMER:-One year ago I was among the first to advance the idea of planting early varieties of corn, especially that from Northern seed; how well this plan has been carried out, and with what degree of success the farmers of this State have been benefited, a perusal of the files of the Kansas Farmer since the las harvest will fully testify. I notice now that nearly all in writing on the subject, or in advertising corn for sale, make this a special point. That is all right, let your light shine. If we discover a good thing let the world know it, particularly if any benefit is to come to our brother farmers in Kansas. Now, Mr. Editor, I wish to ask for the liberty of a little more space to bring before the readers of your valuable paper a discovery which may be of additional value to the toilers of Kansas. In experimenting with different varieties of early corn I have found one that will not sucker to speak of, or to that extent which retards the full development of the ears. I never considered suckers on corn of any benefit, even in the way of fodder; being shorter than the main stalk if cut off they fall to the ground and are lost: whereas if no suckers grew, all that sap will follow the main line and give us more and larger ears. Last season I used a lister for the first time, and am well satisfied that there are many points far ahead of other methods. I prefer to use the listing plow, and after the ground has been opened a day or two, and the cold soil which has been laid bare has a chance to get warm, then go on with a drill and put in the corn covering very lightly. By this method the plants will come up quicker and grow faster in the first few weeks. Many farmers have had to replant their crop by using the combined lister, as the cold bed upon which the corn fell would prevent its ever sprouting. I think the best plan is to turn over stubble land in the summer and fall, letting the plow run deep, then when the lister is put to work there will be a loose soil bed for the reception of the seed, and the ground will net get as hard as where only the lister is used year after year. A. E. JONES. Topeka, Shawnee Co., Kas.

Interest is Too High.

EDITOR KANSAS FARMER:-Interest is too high; it will not justify the giving for the use of capital in the ordinary business of life. Isolated cases should not be sought after to keep the present rate of interest any more than to reduce it to an unreasonably low basis. Can the farmer use capital at the present rate in carrying out his farm work, purchase stock, &c., and have any assurance that he will make any money out of his borrowed capital? Can he use it in payment of his debts and at the end of the year find a surplus on hand after sale of his products to more than pay the interest? Then it is too high.

If with the greatest economy (and the people have been studying that for the past three years), they can't pay a part of the principal after paying running expenses, they might as well "throw up their hands." The same principal applies to the mechanic and artisan. Capital is the tap root of progressive industry, and to establish a healthy plant, neither should be allowed to absorb the other. Capital is entitled to its just record; equally so is labor. If the "prosperty of this country depends on the success of the farmer," and all the parties agree that is a good argument to use, would it not be safe to Legislate in his interest extent as to insure his success? By such a procedure would not the securities we give advance as the rate of interest lowered to a healthy basis? If by any law we are better enabled to pay our principal and a reasonable interest, just alike to the lender and borrower, and retain our present people on their homes, would it not be infinitely better than to retain our present high rate and let our "people go?" for with many thousands

It is absurd to think to frighten us by saying that the eastern capitalist will at once

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withdraw his capital if rate of interest are reduced. The same argument has been used in every State east where interest was reduced, but the results following the reduction proved it untrue. But little of this high rate goes to the eastern capitalists. They get but from 4 to 7 per cent., the balance goes to the agents here by way of commissions. If a reduction of interest should result in the closing of the office of some of our sub-agencies, if they can't get employment more suitable to their tastes, every farmer extends a welcome to them to 'put their hands to the plow" and help redeem the wild lands of the State. The 80,000 majority who elected the present Legislature demands it as a redemption of the plank in the platform of 1888, and will hold the Legislator responsible who shirks HENRE COMSTOOK. his duty.

Cheney, Sedgwick Co., Kas.

Opposition to Remedial Legislation. EDITOR KANSAS FARMER:-There seems to be a good deal of correspondence to the Capital-Commonwealth in regard to the proposed legislation on the interest and redemption question, the most of which seem to be from bankers and money-loaners, and naturally enough they all condemn it as detrimental to the interests of Kansas, and !? passed, would be the means of driving Eastern capital out of the State, because (they say) the Eastern money-loaners would feel insecure in lending money here. These money-loaners and bankers claim that it would have a tendency to defraud them out their money. Every borrower and every lender of money knows that when a mortgage is given on real estate for money borrowed, the realty must be of three times the value of the amount borrowed, and that the title must be good. Is not this generally the case? and why make all this noise about the law crippling the securities? Mortgaged property is first-class security and would be just the same if said proposed law was enacted. Where the shoe pinches is here: They (the money-loaners) would be required to accept a smaller rate of interest in Kansas than formerly. It isn't the security that they are afraid of, as is claimed.

The farmers of Kansas have been the hens that laid the golden egg for the moneyloaner. I don't see as there would be any wrong done to any person if the farmers of Kansas should have at least one law to protect them. Poor crops for the last three years previous to 1888 has made it very hard for a great many farmers to live, say nothing of keeping up their interest. Many, many farmers ran behind hundreds of dollars; still interest must be paid when due, or the mortgages are liable to be foreclosed. The money-lender keeps reminding the farmers of the clause in the mortgage, that if interest and taxes are not paid when due, the mortgage is subject to foreclosure any time. Yet the man that loans the money says that he don't want to foreclose, but that he wants his money. Just let a man have a good farm and not pay interest when due, and see how soon the money-lender will commence action. He knows that the farmer is pressed for funds and is hard-up, and he knows that the farm is worth three times more than the amount borrowed on it, and there is a chance for speculation. Let the Legislature give the farmer a little protection and time, that is all we ask.

Wabaunsee Co., Kas.

### Patrons' Department.

The Kansas Farmer wants to aid every worthy movement which has the agricultural interests in view. In that spirit we have granted the use of a column every week for the Patrons of Husbandry, to be used by them in their own way and for their own purposes. The State Lecturer, John G. Otis, will have charge of it for the present. This week he presents the following:

#### Grange Matters.

M. Bros, Boston, Col., asks: "Is there any wholesale Grange supply house in Kansas or Colorado."

-Strictly speaking we should say no. But at the Patrons Co-operative store in Olathe, Johnson county, Kas., you can buy almost anything you may wish from a hoe to a self-binder or from a pound of groceries to a car load of dry goods.

Our correspondent also asks: "Does any reader want to let range cattle out for three years en shares?" Let our readers answer.

As to the best methods of tanning raw hides, we have no experience.

We clip the following from a report of the committee on the good of the order of the Massachusetts State Grange: "Every Grange should take cognizance of all great events that have economical questions of political economy underlying them. These should be carefully studied in the Grange, and the free discussion there should be a sealed book outside of the gates. Subordinate Granges will grow and thrive in proportion as they are fed with good practical and educational food. We therefore urge that no meeting be entirely given up to play. Too much emphasis cannot be laid upon the importance of the work of the master, lecturer and literary committee, in preparing the programs and securing attendance at every meeting. Suggestions for their guidance can only be general, as each Grange is a law unto itself and its needs are beculiar to its circumstances, its membership and its locality. Members should understand that their absence is a sad drawback. In preparing a delightful program, the thought and work it involves are great, and a meager attendance and slight interest will indeed have a tendency to discourage those who have been active in the prepara-

We organized a new Grange at Anson, in Sumner county, on February 1, with sixteen members, with a prospect of soon doubling its members.

#### McPherson Farmers' Institute.

Special correspondence Kansas Farmer:

On Sunday of last week a very interesting Farmers' Institute was held in the opera house at McPherson, with A. F. Waugh, president, and John Richey, secretary. The meeting was called to order at 11 a. m., and the first paper related to the "Creamery versus Home Dairy," by G. E. Foster. The paper was good and elicited a prolonged discussion, at the close of which adjournment took place until dinner.

The first paper after dinner was by Wm. Strope, and treated on "The Best Method of Raising Oats." He always plowed his ground in the fall and by the middle of February put in the oats with a drill. He has never failed to raise 40 bushels per acre and sometimes more in the last nine years-the early sown oats being the heaviest.

of Raising Potatoes," by B. Richert, who Bays and Shires. Sixteen were sent out the proved by large samples that he could grow past week. They went mostly to ranchmen potatoes with but ordinary care. He always mulches and never fails to raise big crops.

Other subjects were: "Best Breed of Horses for Farmers to Raise;" "Small Fruits for the Farm," etc.

The attendance was large, both ladies and gentlemen, and the proceedings full of interest. The next institute will be held April 11th, at 10 a. m. HORACE.

I will mail a valuable present to any minister, teacher or friend of education on receipt of address. Thos. J. BRYANT, St. Joseph, Mo.

#### Gossip About Stock.

Any of our readers desiring to see how the Haaff free chute looks can get illustrations by writing to E. P. C. Webster, patentee of the Webster chute advertised in this paper. Send and get it and his circular and compare them.

Notice the new card of J. M. McKee, breeder of Poland-China hogs, in the Directory of this and ensuing issues of our paper. He has the best of blooded stock and at prices within the reach of all who desire a good article in the meat line.

We have received the new catalogue of the select herd of Berkshires owned by G. W. Berry, Berryton, Shawnee county, Kansas. The pedigrees of the breeding animals show grand breeding and judicious selection, and with the well-known high character and enterprise of Mr. Berry as a breeder, makes this representative establishment deserve the large patronage which he enjoys.

Mr. W. H. Wilson, Cynthiana, Ky., has sold to W. P. Brock, of Maud, Bucks Co., Pa., the bay yearling colt, Gray's Ferry, by Simmons, 2:28; 1st dam Carrie Almont, by Abdallah Mambrino 3715; 2d dam Margaret, by (Rankin's) American Boy, son of American Boy. Also to same party, bay mare Clytic, by Byerly Abdallah (sire of Jerome Turner, 2:15); dam by Indian Chief 832. Clytic belonged to the estate of Noe Dills.

A stockman from Northern Kansas writes us regarding loss of stock from feeding in stalk-fields, that "care about turning in too long at a time at first, will not entirely remedy the evil, although it greatly diminishes it. I have known stock to die from a gorge of dry husks after weeks of pasturing safely on them. There is a remedy that I have never known to fail. Have some green feed in the same field with the stalks. If there is no clover and timothy, sow some rye in the corn. Then use caution at first about turning on too long at a time."

Wm. T. Dudley, Roscoe, Graham Co., Kansas, writes that his imported horses and other stock are keeping in fine condition this winter. He thinks it would pay horse breeders who are looking for more cheap room to give this county a thought. Land is cheap; a section that would make a fine horse farm can be bought for six dollars and twenty-five cents per acre-half cash, and balance on sixteen years time at six percent Graham county has railroads, several good towns and churches, and about eighty good schools.

A visit to M. B. Keagy's breeding establishment of English Berkshires and Plymouth Rock poultry at Wellington, last week, was highly satisfactory. His success has been very gratifying and easily explained from the fact that he started right, with the best obtainable stock, regardless of cost, and as a result has always had the best for his customers. He reports a splendid trade and attributes his many sales to his advertisement in the KANSAS FARMER, which brings him his large business and his stock retains his customers as permanent

Don't fail to observe the special annual sale of Cleveland Bay and Shire stallions and mares, advertised this week by Geo E. Brown & Co., Aurora, Ills. 100 choice Holsteins are offered at low prices and easy terms. They write: "The demand for Cleveland Bay and Shire horses has been very encouraging thus far. With one exception our shipments the past two weeks have exceeded everything in our experience of fourteen years. Sales have extended over a wide extent of country. We have sent elegant specimens of Cleveland Bays to Virginia, Kentucky and Missouri; splendid Shires to Indiana and Illinois, but the largest shipments have been to Dakota and Next came a paper on "The Best Method Wyoming, and comprised both Cleveland who, after trying all breeds, have settled down to these two."

The writer had the pleasure, last week of visiting one of the most extensive and representative swine-breeding establishments of the West, owned by Hon. T. A. Hubbard, Wellington, Kansas. Rome Park stock farm is located seven miles south of the city, at Rome station, on the A., T. & S. F. The herd comprise both Poland-Chinas and Berkshires of rare breeding and superior individuality. The writer has visited many large establishments but never before

saw so large a herd that was so uniformly good. Mr. H. had the good judgment as well as the means to stock his herd with the best and has never repented, what must have seemed at the time, lavish expenditu: e. Some of the herd has been exhibited at the leading state fairs of the West and won the highest honors. Mr. H. has undoubtedly more good stock on hand, of both breeds, than can be found anywhere west of the Mississippi river. No reader of this paper, who will mention the same, need hesitate in sending him mail orders for stock, nor will any buyer visit his herd without buying some of the many grand animals on hand. The stock are their best advertisement.

#### Inquiries Answered.

LISTING CORN.—The lister is not recommended for use in hard ground.

Cow Peas.-The Crowder pea is a "cow pea," when sown in fields and raised for feed of stock.

G. A. R.—The proposition to appropriate public money to erect G. A. R. reunion buildings has no constitutional authority.

SPRING WHEAT.—Odessa is believed by many to be the best variety, though Mr. Bouk, of Nebraska, recommends Saskatchewan. Sow early as the ground will work to cover.

COAL ASHES.—Will you please to inform me whether coal ashes is worth anything as a fertilizer on land?

-Coal ashes is worth little or nothing as a fertilizer. It makes a good mulch about

MOLES AND GOPHERS.—Will some of the KANSAS FARMER readers give a receipt for a solution to soak seed corn in to kill moles and gophers without affecting the germinat-ing qualities of the seed?

-While waiting for a correspondent to answer, let us suggest that some corn-not that used for seed—be soaked in strychinne, and dropped with the seed corn. That will not affect the kernels dropped for seed, and it will serve quite as well to poison moles and gophers.

SILO-ENSILAGE.-A silo need not be expensive; the important thing is to keep air out of the stuff to be preserved. Green corn stalks stacked will spoil on the outside in a short time, and will spoil all through in longer time. In a northern latitude, or in a cold place without regard to latitude, such stocking will preserve part of the feed long enough to be of some use; but it does not pay. A hole in the ground, if it is well drained, will save most of the ensilage if well covered to keep out the air and rain.

Physicians are justified in denouncing proprietary medicines which claim to cure everything. A medicine, for instance, that will cure rheumatism in one person, will not necessarily cure it in another, for the condi-tion causing it may be different; but Ma-laria is always Malaria, and Shallenberger's Antidote will destroy it in the system in every case. If you are suffering from Ma-laria you will know it, and this medicine will certainly cure you. Sold by Druggists.

#### NEW ADVERTISEMENTS

	Bush & Son & Meissner. Grapes.
	Bruner, E. PHolstein cattle.
	Buckeye Card CoCards
	Booth, Wm. Jr. Mamm'thBrouze turkeus
	Brower, B. FWanted. Banner of LifeStartling Disclosures. Bearinger, WmEarly seed corn.
	Banner of Life Startling Disclosures
	Bearinger Wm Early seed corn.
	Blackledge, R. I Land wanted.
	Ceoil, J. FShawnee Nursery.
	Deming, N. PFor salc.
	Henderson & Co., Peter. Seeds.
	Howard M'1'g Co Will Do It.
	Hidden, Jno. S Wanted.
	Inventor
ļ	Jones, A. E Seed corn.
ı	Martin F H Horse for sale
	Martin, F. H
	McKee, J. MBreeder's card.
	Moore, M. EBreeder's card.
	McCoy, ChasSeed corn.
	Meecham, S MAgents Wanted.
	Mitchell I C A Suffer v
	Mitchell, L. G
	Median M Wanta Jersey Will
	Macon W. H. Dlymouth Docks
	Mason, T. H
	N. Y. Door Plate Co Wanted
	Owen, Thos A New Departure.
	Park, G. W Seeds Given Away. Parry, Wm Pomona Nursery.
	Dowleing Windmill for
	Perkins Windmill &   Windmills. Ax Co
	Drimm C. F. Seed west notators
	Stant Frank H
	Stout, Frank HFlorida.
	Stray ListStray notices.
	Sawyer, Geo. M
	Smalley Seed CoSeeds.
	Smith, W. H. Seeds. Smith & Son, M. H. Sweet potato seed.
	Union Positio Bellevan A New Torio
ı	Onion Lacino Rallway. A Ivell 17666.
١	Wisconsin Central Ry Where to Go.

#### Money.

Write or call on the National Loan and Trust Co., of Topeka, tor loans on real estate. Rates reasonable and terms favor-

#### Patents.

The following list is reported through the official records for the week ending February 5, 1889, by Higdon & Higdon, Patent Lawyers, office rooms 55 and 56 Hall Building, Kansas City, Mo., and room 29 W St. Cloud Building, Washington, D. C. By applying to them at either office a printed copy of any patent here named can be obtained for 25 cents.

#### MISSOURI

MISSOURI

Valve for fluid pressure—brakes—Herman Gu-1s, St. Louis.

Machine for delinting cotton—seed—Thos. P. Sullivan, St. Louis.
Demagnetizing watches, etc. — John Greaves, St. Louis.
Telephone paper pad holder—John B. Seymour, Jr., St. Louis.
Siphon valves for water closets—Charles H Harkons, St. Louis.
Street sprinkling apparatus — Michael Haughey, S-. Louis.

TRADE MARKS. The representation of a man holding the shell of an open oyster on one hand—A. Booth Packing Co., Kansas City. The words "Old Faithful"—Andrew J. Jordan, St. Louis.

KANSAS.

Cultivator - Thomas S. Warner, Frank-Levelling instrument-Charles A. Karr,

Vehicle spring—Edwin Jarrell, Harper. Seal lock—Orrin T. Welch, Topeka. Snap hook—Horace G. McLean, McPher-

#### A Young Girl's Grief

at seeing her charms of face and form departing, and her health imperiled by functional irregularities, at her critical period of life, was turned to joy and gratitude after a brief self-treatment with Dr. Pierce's Favorite Prescription. It purified and enriched her blood, gave a healthy activity to the kidneys, stomach, bowels, and other organs, and her return to robust health speedily followed. It is the only medicine for women, sold by druggists, under a positive guarantee from the manufacturers, that it will give satisfaction in every case, or money will be refunded. This guarantee has been printed on the bottle-wrapper, and faithfully carried out for many years.

#### A NEW TRAIN.

The connecting link between Nobraska and Kansas has just been placed in service by the UNION PACIFIC RAILWAY.
This train leaves Council Bluffs daily at 4:45 A. M.; Omaha at 5:05 A. M.; Valley 6:20 A. M; and runs through without change to Manhattau, Kansas, making direct connections there with the Kansas Division of the UNION PACIFIC RAIL-WAY for all points in Kansas and Colorado, Westbound, and for Topeka, Lawrence, Kansas City and points East and South via Kansas City.

Returning, train leaves Manhattan at 2:25 P. M., arriving at Beatrice at 6:25 P. M., Lincoln at 7:50 P. M., Valley at 9:55 P. M., Omaha at 11:20 P. M , and Council Bluffs at 11:40 P. M., making direct connection with Kausas Division trains from Kansas City, Lawrence, Topeka and the East, and from Denver, Salina, Abilene and all points West, enabling passengers to visit the principal points in Kansas and Nebraska in the shortest possible time. These trains have firstclass equipment, consisting of smoking cars and first-class day coaches of the latest pattern. The new train will fill a long-felt want and is bound to be popular from the start.

#### Bulls for Sale.

Fifteen choice Short-horn bulls, from 8 to 20 months old; also a choice number of heifers. Will sell at reasonable prices on terms to suit purchasers. Address T. P. Babst, Dover, Shawnee Co., Kas.

#### Harrison's Inauguration.

The Wabash Western railway announces hat tickets will be sold from a Washington and return, for the inauguration of President Harrison, at Half Fare. Rate for round trip from Kansas City, \$27 50. Tickets will be on sale February 27 to March 2; good returning until March 10, 1889. For further particulars apply at the Wabash Western ticket office, 531 Main St., Kansas H. N. GARLAND, W. P. A.

See Tincher's cedar ad. in 2-cent column.

There are less than 40 000 000 sheep in the United States, against 200,000 000 in Europe and 75,000,000 in Australia and New Zealand.

#### The Veterinarian.

[This department of the Kansas Farmer is in charge of Dr. F. H. Armstrong, V. S., Topeka, a graduate of Toronto Veterinary college, who will answer all inquiries addressed to the Kansas Farmer concerning diseases or accidents to horses and cattle. For this there is no charge. Persons wishing to address him privately by mail on professional business will please enclose one dollar, to insure attention. Address F. H. Armstrong, V.S., No. 114 Fifth St. West, Topeka, Kas.]

Samuel G., Sedgwick, Kansas.—Intestinal worms in hogs seldom do harm. Is not necessary to use any direct medicines for their destruction. Give hogs access to salt, plenty of wood or coal ashes, charcoal etc.

W. C. - We are unable to locate seat of lameness from description. The animal may have fractured some bone of the pelvis, or the seat of lameners may be elsewhere. This can only be determined by a thorough examination. If you can detect any heat or tenderness at any one point we will be better able to advise you.

M. S., Nortonville, Kas. - I am unable to give you information. We see no cause for trouble if pens were absolutely free from filth. No injury occurring in young animals, naturally throws out any foul in feet. It looks as though it might be some inherited tendency. Wash thoroughly and apply once daily some of the following: Raw linseed, oil of tar, compound tincture of benzoin, four ounces of each.

W. H. T., Adrian, Kas. - It is difficult to tell nature of swelling from the brief description. It may be due to injury. May be due to high feeding. However, local bathing of the leg with hot water, afterwards, drying, handrubbing and exercise. A laxative, say one pound each of Epsom and common salt as drench, with a tablespoonful of nitrate of potash in feed or drinking water for a few days will be sufficient.

C. M., Winona, Kas. - Your case is suspicious of glanders. A nasal disc arge. Hard immovable nodules between jaws. Pit-like ulcers in nasal passages are the prominent systoms. Look carefully for these. On contrary, if chronic catarrh. In the majority of cases it has its origin in a decayed molar tooth. This must be removed before the catarrhal symptoms will cease. If due to a simple catarrhal condition of outer air passages, your treatment was good, but must be continued for some weeks to be effectual.

E. M., Ionia, Kansas. - You did not state whether there was any discharge f.om nostrils of colt. That was important. The bony enlargement may be due to a diseased condition of facial bones themselves. May be due to the excessive prominence of the roots of the molar teeth. Again it may be due to the collection of pus in the different sinuses that are located in the bones of the face, caused by some catarrhal conditions of outer air passages, or to some irritation from the process of teething. It is generally accompanied by discharge from nostrils. If so diseased a surgical operation is necessary.

T. Z., Linwood, Kansas. - Usually membranes come away without interference. A few days need not alarm in cool weather. Animals should be fed on soft feed with plenty of oil meal to \$3.7544 10. assist the expulsion of the membranes. When manual interference becomes necessary, the arm well oiled should be inserted, the hand will come in contact with little buttons, or cotyledons. To these the membranes are attached. Care must be exercised in detaching the membranes from these cotyledons, as too rough or forcible traction on them

m sy cause undue bleeding.

M. M. J., Chase, Kas. — Chronic indigestion may be due to different causes, as foreign bodies in the rumen. Is seen

13 00.

\*\*LAXSEED—Small lots sold at \$1 50.

BUTTE & Quiet and steady. Creamery, 22a

26c; dairy, 20a220.

EGGS—10c for guaranteed.

PORK—\$11 50.

LARD—Prime steam nominal and lower at

\$6 45.

in specific diseases as tuberculosis. May be due to excessive acid secretions in stomach. Generally occurs in winter. From dry feed attended with symptoms From dry feed attended with symptoms of constipation or diarrices with tym panitis and general emaciation. Cathartics seldom do harm and may do good. Would advise plenty of soft feed. A laxative, one to one and one-half pounds Epsom salts, with table-spoonful of ginger as a drench. To be followed with bicarbonate of soda, 1 pound; powdered gentian. 1 pound: pound; powdered gentian, 1 pound; powdered capsicum, 1 pound. Mix. Two tablespoonfuls in his feed, or as a drench twice a day.

N. H. S, Wellington, Kas.—(a) Swine suffer at times from the presence of worms, causing a general unthriftiness, loss of flesh, cough, scorrs, etc. I would recommend no direct medical treatment other than the state of the stat other than to keep salt where animals can get it, also access to plenty of wood ashes and charcoal. (b) There are many conditions that may cause sterility, such as various diseased conditions of the generative organs. Under and oversuch as various diseased conditions of the generative organs. Under and overfed animals do not breed readily. Excessively fat animals are unfruitful. A more common circumstance is the occlusion or closing of the mouth of the mouth of the uterus. It may be completely closed as the result of disease, or it may be closed as the result of spasms of the muscles that govern it. An examination should be made to ascertain the condition of the parts. If the closure is thought to be due to muscular defect, smearing the orifice with extract of belladonna will overcome the rigidity; and the forming the hand into shape of cone, and by a rotary motion the opening may be made certain. If the closure is due to a diseased condition, surgical interference will be neces tion, surgical interference will be neces

#### Topeka Weather Report. For week ending Saturday, February 16, 1889:

	Thermometer.					
Date.			Max.	Min.	Rai	nfall.
February	10		47	29		
44	12			12 18		
44	13			30		••
44	14					
44	15			29		
	16			24		.28

#### THE MARKETS.

By Telegraph, February 18, 1889. LIVE STOCK MARKETS.

St. Louis.

CATTLE — Receipts 1,200, shipments 300. Market a shade higher. Choice heavy native steers \$3 75a4 85, fair to good native steers \$3 00

a3 80, fair to good stockers and feeders \$1 90 a2 86, corn-fed rangers \$3 00a3 30.

HOGS—Receipts 3,400, shipments 1,700. Market easier. Choice heavy and butcher's selections \$4 30a4 45, medium to prime packing \$4 30 a4 45. ordinary to best light grades \$4 40a4 60.

SHEEP—Receipts 400, shipments 200. Market stroug. Fair to choice \$3 00a5 00.

ket stroug. Fair to choice \$3 00a5 00.

Chleago.

Chleago.

CATTLE — Receipts 8,000, shipments 4,000.

Market steady. Choice to extra beeves. \$4 50a 4 70: steers, \$3 00a4 25; stockers and feeders, \$2 15a3 40: cows, bulls and mixed, \$1 50a5 20; Texas cows, \$2 00a2 15.

HOGS — Receipts 17,500, shipments 7,000.

Market strong and a shade higher. Mixed, \$4 40a4 60; heavy, \$4 40a4 65; light, \$4 45a4 65; pigs. \$4 50a4 25.

SHEEP — Receipts 6,000, shipments 2,000.

Market steady. Natives, \$3 25a5 00; Western, corn-fed, \$4 45a4 77% "lambs, \$5 00a6 10.

Kansas City.

CATTLE—Chicago did not justify the ad-

Kansas City.

CATTLE—Chicago did not justify the advance here. A light local run, all of the usual buyers, and some stray buyers, made a crazy and irregular market. Beef steers, \$3,25a4 10; cows and mixed, \$1,75a,240.

HOGS—The fresh run was about 4,300. The most of the local packers were in the market, and three outside buyers for various kinds, including Indianapolis and Old Mexico. With a few exceptions the early market was 50 higher. Later a few sales of heavy and mixed hogs were called 5albc higher. The bulk of the business was done at \$4,324a4 35 against \$4,25a 430 Saturday, showing a big 5 cents higher on the average.

the average.
SHEEP—The receipts were about 2.100, and

#### PRODUCE MARKETS.

St. Louis.

FLOUR—Firm but quiet.
WHEAT—Lower. No. 2 red, cash. 98c; May, 99%al 00%; June, 90%a97; July, 80%a86%c.
CORN—Lower. No. 2 mixed, cash, 27%a27%c
April. 29%a29%c; May, 80%a50%c
OATS—Weaker. No. 2 cash, 24c bid; May, 27%a28 % a280. RYE—Better but quiet. No. 2, 46c. HAY—Dull. Prairie, \$7 00; timothy, \$9 50a

Wheat was unsettled and nervous to-day and ousiness was not large, but the numer tuations and actions of the market influenced a moderate trading. Trading in corn was quiet and was confined largely to the operations of local speculators. A moderate trade was reported in hog products and the market was easier. Early in the day the feeling in mess pork was firmer and prices reacted 6a71/20

Shipm'ts. 7 000 185,000 119,000

Kansas City.

WHEAT-Receipts at regular elevators since last report .... bushels; withdrawals, 1,500 bushels, leaving stock in store as reported to

bushels, leaving stock in store as reported to the Board of Trade to-day, 190,812 bushels. No. 2 red winter: Cash and February, no bids, 81 00 asked.

CORN—Receipts at regular elevators since last report, 14.821 bushels; withdrawals, 8,140 bushels, leaving stock in store as reported to the Board of Trade to-day, 212,576 bushels. There was a steady and quiet market to-day on obange. No. 2: Cash, no bids nor offerings; February, no bids, 24% asked; March, no bids nor offerings; May, 28c bid, 26% casked.

OATS—No. 2 cash, no bids nor offerings; February, no bids, 21% casked; May, no bids, 23% casked.

KYE—No. 2 cash, no bids nor offerings; February, no bids nor offerings.

HAY — Receipts 7 cars. Weak. Strictly fancy prairie, 85 00; good medium, 83 00a3 59; poor, 81 00a1 50.

SEEDS—We quote: Flaxseed, 81 40 per buon a basis of pure. Castor beans, \$1 50 per bufor prime.

OIL-OAKE—Per 100 lbs. sacked, f. o. b., \$1 25;

on a basis of pure. Castor beans, \$1.50 per bu. for prime.
OIL-CAKE—Per 100 lbs. sacked. f. o. b., \$1.25; \$11.00 per 1,000 lbs.; \$21.00 per ton; car lots, \$20.00 per ten.
FLOUR—Market firm but trade slow, sellers holding for higher prices. Quetations are for unestablished brands in car lots, per ¼ bbl., in sacks, as follows: XX, \$1.00; XXX, \$1.10; family, \$1.30; choice, \$1.65; fancy, \$1.90; extra fancy, \$2.10a2.26; patent, \$2.40a2.50.
BUTTER—Receipts moderate and market very weak, except for good roll, of which there is but little coming in. Plenty of poor on the market. We quote: Creamery, fancy, 23a24c; good, 29c; dairy, fancy, 17c; fancy roll, 12a13c; choice, 10a11c; medium, 9c; good to choice storepacked, 10a12c; poor, 7c.
CHEESE—We quote: Full cream, twins, 12c; full cream, Young America, 12a12½c.
RGGS—Receipts fair and market a trifle stronger. We quote steady at 10c per dozen for strictly fresh Held stock, \$5c.
APPLES—Supply large. Strictly fancy, \$2.50 per bbl.
POTATOES—Irish—Market well supplied;

APPLES—Supply large. Strictly faney, \$2.50 per bbl.
POTATOES — Irish—Market well supplied; home-grown, 28a30c per bus.; Colorado and Utah, 50a60c per bus.; Lowa and Nebraska. choice, 30a40c per bus. Sweet potatoes, yellow, 55a75c per bus. Onions, choice, 50c per bus. Turnips, 24c per bus.
BROOMCORN — Green, self working, 3c; green hurl, 34c; green inside and covers, 2½a 3c; red tipped and common, self working, 2c; crooked, 1c.
PROVISIONS—Following quotations are for car lots. Job lots usually higher. Sugar-cured meats (canvassed or plain): Hams 10e, breakfast bacon 10c, dried beef 8c. Dry salt meats: clear rib sides \$6.00, long clear sides \$6.00, shoulders \$4.87½, short clear sides \$6.25, Smoked meats: clear rib sides \$6.75, long clear sides \$7.00. Barrel meats: mess pork \$11.00. Choice tierce lard, \$6.25.

PLANTS of best quality, warranted true to name, lowest price, and largest assortment of old and new varieties. At dozen rates, free by mail. Special attention called to promising novelties. Send for price list.

Address RUSH & SON & MEISSNER, Bushberg, Jefferson Co., Mo.

## PLANT SEED COMPANY'S RELIABLE Wholesale and Retail Policy Briefly

VEGETABLE, FLOWER and TREE SEEDS, CRASS and CLOVER SEEDS, ONION SETS, SEED POTATOES, SEED CORN. Fertilizers, Carden Seed Drills, Cultivators, Seed Sowers, etc. Our 1889 Illustrated and Descriptive CATALOGUE now ready. SEND FOR IT. FREE. Address, [Established 1845.]

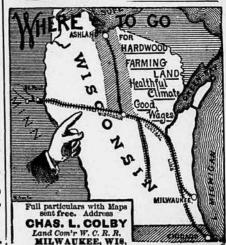
FREE. Address, PLANT SEED COMPANY, 812 & 814 North 4th Street, St. Louis, Mo.

If you want a FINE QUALITY
OF
THEWING TOBACCO
JOLLY TAR Ask your dealer Ino Finzer& Bros Louisville, Ky.



#### 2300 RHAIN IESIEK

Sealed Pint Jur of common white beans will be opened March 29, 1889, the beans counted, and \$305 in CASH given PREE to subscribers, viz.: for the first correct, or nearly correct,) guess. \$100: second, \$50; third, \$25; tourth, \$10; finh, \$6; to subscribers, when the property of the property



### The Some Circle.

#### To Correspondents.

The matter for the Home Circle is selected Wednesday of the week before the paper is printed. Manuscript received after that, almost invariably goes over to the next week, unless it is very short and very good. Correspondents will govern themselves accordingly.

#### Hungry Children.

BY PHŒBE PARMALES.

The children come trooping home from their school

Eager and restless, with hurrying feet; "Hungry, so hungry!" they clamoring ory; "Something to eat, mother, something to

The children look searchingly into my face; Oh, how they question with bright eyes that glow!

Oh, how their tongues ask in different ways-"Something to know, mother, something to know!

Now they are struggling with ethical things; The young, tender souls need feeding as well. With soft, pleading tones they question me

still, "Now is this right, mother? Oh, can you tell ?"

Dear, hungry children asking for bread; Dear, curious children with minds to grow strong;

Pure little children with souls to be fed, With earnest intention to know right from

May the Lord keep them and their mothers,

That they may be fed with the choicest of food, That their bodies and minds and souls shall

To be noble and strong and thoroughly good

#### Faith, Love and Prayer.

What is Faith?
The vital flame that glows between The finite and the infinite, And on the kindled soul is writ, In characters of light and love Reflected from the soul above. Faith feels and knows a God there is, Who holds man's willing heart in his.

What is Love?
The spirit that would work no ill,
But mocked and scorned, entreateth still;
Not like the feeble dross of earth,
That tried, will prove of little worth;
But love is like the purest gold,
That brighter grows while growing old,
And when it makes the heart its shrine,
Forever lives as love divine.

And what is Prayer?
The lifting of the heart to God;
The love that makes our vision broad;
The faith that knows no doubt or fear;
The hope, the wish, the unconscious tear,
The lift that makes the soul more fair;
These are the sweetest forms of prayer.

#### HANGING OUT CLOTHES.

Although the hanging out of, the family washing appears to be an easy task, nevertheless it is not by any means as easy as it seems. Some women give little thought to the work, caring very little how the clothes are put out as long as the washing is finished and they get dry in good season, but the majority of housewives are anything but careless in this matter. To be sure, they all like to have the clothes dry as soon as possible, but no good housekeeper will risk the tearing or soiling of any article of the washing for the sake of its drying a little sooner in consequence. It is poor economy to hang thin muslins or any of the fine clothes out in a stiff wind, thinking that the time saved in their drying quickly will compensate for any rough usage they may get while on the line. If the clothes are not torn at first, it does not take many of such dryings to wear women get to help write now. Still the feet ere the shattle of life slipped silently them out.

In putting out the clothes-line, if the housewife has to do this work, it should be drawn quite tight, as the weight of the clothes will loosen it a great deal. To be sure, where poles are used, it need not be drawn quite as tightly as though these were not used. Have the clothes-pins clean if you wish clean clothes, or you may be wondering what made so many black marks on many of your clothes. To keep the clothespins fit for use, they should be boiled once in a while in suds, taken out and dried, and kept in a covered basket or bag. Before putting the damp clothes into the basket. put a clean cloth or towel in the bottom of the basket, to keep them from coming in get the potatoes, whether from a pit or he that giveth us our work to do, and furcontact with any dust there may be there. patch, bring the apples in, and help at least nishes us our seemingly dull threads with

Before putting the clothes on the line, with a damp cloth wipe along the line, for it is very important that the line be perfectly free from dust ere hanging the clothes on it. Where a line has been left out for any length of time, it is quite certain to need a good wiping before it is fit to receive the clothes on it.

In hanging out the clothes do not hang one article in front and another of the same kind back, but keep each kind together. Do not hang sheets double, that is, half on each side, nor singly, with just enough of the sheet on the line to give the clothes-pin a good hold. A third of the top part of the sheet should fall over the line. This will bring the narrow hem nearest the ground. If it is hung so that the broad hem is nearest the ground, it very often gets soiled when you pass back and forth among the clothes. Hang pillow-cases wrong side out, by the bottom corners, never by the hems. Napkins and handkerchiefs should always be hung by the two upper corners. It is not a good plan to hang either of these articles by one corner, although very frequently this is done where room is required for something more important. When they are hung in this way, they should be taken in when slightly damp, and ironed immediately, for if left until perfectly dry, it will be difficult to get the marks of the clothes-pins out of them. White shirts may be hung by the shoulders up or down, but if hung in a wind it is safer to pin them by the shoulders. Colored shirts and fiannels always hang by the shoulders, and the colors will not be so likely to run. It is especially important that the flannel shirts should be hung in this way, so that the water may not settle about the shoulders. When partly dry, the position may be changed if liked. In hanging out white skirts, it is a good plan to hang first by the binding, then when the bottom is dry, they can be reversed. The usual way is to hang by binding and flounce, but as the lower part is usually starched, the clothes pin is sure to stick to it, and when removing from the line, if it does not tear the flounce, it leaves a mark that will be very hard to press out. If hung by the binding until the flounce is dry, then hung by the flounce, it will dry even and be much easier to iron. Do not hang delicate-colored articles in the sun to dry, or they will surely lose color.

Print dresses that are liable to fade, hang in the shade, and if convenient hang from one line across to the other. Fasten the shoulders to one line and the bottom of the dress to one opposite, using two clothespins on each. Always turn wrong side out and hang in the shade. Turn stockings wrong side out and hang by the toes. Aprons may be hung by the lower hems unless there is lace at the bottom, when they should be suspended by the binding. If hung by the lace edge the clothespin will mark or tear it. Never, if it can be avoided, put out colored clothes of any kind on a damp day. Do not put sheets, tablecloths or any of the larger pieces near the pole, house or fence, if you do not care to have the corners frayed. Leave the flannels out until the last; there is no danger of their getting too dry. When the clothes have all been taken from the line, take in the line and put away. Do not let the line remain out in all kinds of weather, for frequent wettings not only loosen it, but wear it, and very frequently a line neglected in this way breaks when least expected. Keep the line on a windlass and it will be free from snarls when wanted for use.—American Cultivator.

#### A Word to Fathers and Husbands.

No wonder the tone of the press is different from what it was thirty years ago; the lords of creation forget too often that women out of the weaver's hand when hi have rights; please let me suggest some. They have a right to have leisure to read the secular and religious papers as the father or husband, and if the men of the house have an hour or often several hours to read, and nap, and write, and yarn, why could they not take off the weary wife and daughters or sisters such work as churning (not a few the milk and skimming it, and washing the

when he is at leisure, women that never have an hour all their own in a year.

Let us no longer hire the first young stranger who presents himself in the spring; we may get one we know well and who may go home every Saturday and get his washing done there, and thus let a family be alone one day in seven and tired hands rest from extra washing. Also, let us build our houses so that strange men and our pure, fair daughters do never go up the same stairways; in this a hint should be heeded by all fathers. Se many husbands sneer at the earnest protest of wives against things the daughters are permitted to do; although the wife gets only two or three visits annually, the daughters are frequently told they must have a good time, and if a party is within six miles to which they are invited they must go, although they are not able. Yet, "my daughters shall go," colds or no colds. He forgets that the same roads were too bad that morning for a true, tired wife to ride over to see a dear lady friend and only two miles away. They start off, the wife goes back to the same kitchen work for three hours, he either sulks or snarls till the angels lull him to sleep, and he dream of what a dear wife his daughter will make a man. So they may if the said son-in-law could only be pleasant with them as I am: (but I never talk to my wife, it pleases her FRED NEWEL. too well)

#### "So We Weave Our Web."

There is nothing more gratifying, at the close of a busy, bustling lifetime, when, in looking backward over the years that have flown-all God's yesterdays-than the remembrance of taking up the strangely tangled skein (at life's crimson morning) and carefully tracing its intricate caprices, pass ing now backward, now forward, and in and now out again, through its somewhat tangled meshes, the every-day thread of life that will some day prove the great fabric of an active life-work. The child begins his task of weaving all unconsciously, ere he has entered the school-room for an education, for with his first knowledge of existence he fondly weaves the web of affection around the parent heart; so his weaving progresses, and thus early he begins to form the web, from the pattern unrolled before him, as it falls from the hand of the Great Master. Day by day he weaves his woof into the mighty warp of life, sometimes choosing threads of brightest love colorings, and again of darkest hatred. Thus the web progresses, till all at once, grown weary at the great loom of life.

"This wonderful weaver, Grown weary at last, And the shuttle lies idle That once flew so fast,"

he glides into the realms of that silent city. where the clanging moil of the busy work shop is hushed forever to his vision. But another seon fills his place, taking up the forgotten skein, and quietly weaves on and on, looking only for his well-earned meed at the end of the conflict. We weave our web ever upon the wrong side of the surface, scarcely knowing how it will look when the Inspector shall come to review it, since it is given us in trials; and sometimes the blinding tear of disappointment blurs our vision, so we may not know just how we weave. There are many of the great mechanics whose weaving is ended, whose work is nobly wrought, and whose pattern was traced through severest trials and perplexities; yet the perfect flowers in the bold outline give no hint of the cruel thorns under those roses of rarest colorings, that pierced the faithful hand of the weary toiler. And the golden sheen of the rarest roses leave no hint of bleeding heart-strings and weary finished and he sent to meet his reward, "well done."

Yes, we weave ever upon the wrong side of our lives, for it is not given the weaver to know just how his work will look when it passes from his hand into that of the Great Inspector. Reward enough for us if, when he comes to examine it he finds it perfect at dashes, but 10,000 if it takes that to bring last, though weven maybe from the dark butter), filling oil-cans and lamps, carrying hues of trial and perplexity. Some seem to have only sliken threads of bright smooth vessels, and bringing water to do all pur- passages of life, while many another one poses, some at morn, noon and night? has only the dark dull dyes with which to Then, any man could iron the towels on weave their web-all one mysterious comironing day; he could and should always mingling of strange, uncertain hues. But

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which to weave, surely if we faithfully do with our might what our hands find to do, so surely we will meet our reward as we finish our web.

#### Fashion Notes.

The one object of designers of cloth gowns is to produce a slender effect.

Gray is a popular color for evening wraps,

with white or flesh-pink linings. Little girls now wear long circular cloaks, smocked to a considerable depth around the

Short puffed sleeves, in tulle, lace or the material of the dress, are much liked for dressy evening gowns.

Shoulder capes of Russian bear are worn with deep cuffs of the same fur which reach nearly to the elbow.

Bearskin boas are now imported in the new flat shape, which fits close against the neck, and has two long, flat ends.

Fringe is making rapid strides in popular favor, as a trimming for cloth dresses and wraps, tea gowns, tea jackets and house sacques.

Veils which are gathered at the lower edge and draws under the chin are only to be worn with round hats which have projecting fronts.

Black cloth redingotes for young ladies are brightened by edging the braided collar, cuffs and revers with a narrow piping fold of yellow cloth.

A new shade of dark blue, very effective, in cloth gowns, is neither a gray blue nor a plum blue, but a sort of lead shade which is almost black.

An effective garniture for a bonnet of green or black velvet is a bunch of green carnations or pinks, enclosed in their green calyxes and showing long stems.

Youthful-looking cloth gowns are of pale empire green cloth, embroidered with black or white laurel leaves, and heavily fringed across the foot of the front of the skirt.

Silver embroidery, executed with threads of silver and of gray silk, is a favorite trimming for gray and blue cloth dresses. The rose, shamrock and thistle are favorite designs for this work.

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### The Houng Folks.

#### A Song of the Sinnissippi River.

[Sinnissippi is an Indian word meaning rocky water, and is the ancient name given to Rock river by the Illinois Indians, whose favorite summer camp was on the beautiful bluffs near where the present city of Oregon is situated.]

The night-birds are flying,
The soft dews are falling;
The sweet pines are sighing,
The cedars are calling
To the river on-flowing forever:

Oh, river of recks! Oh, river of rest! Return to thy fount 'neath the bluff's rocky heturn to the isle by the wild eagle's nest,
Return to the isle by the red cedars pressed,
Ere the ocean infelds thee forever.

The sweet dows still falling,
The pines ever sighing,
The red cedars calling,
The river replying
Scftly moans, rippling onward, forever:—

Love of my life, the fountain fast faileth;
My brave native race, the long mound bewaileth;
The eagle hath flown where no hunter assaileth;
The beauteous isle but sorrow entaileth;
Let the ocean infold me forever.

—Ceryle Alcyon, in Woman's Tribune.

Daughters of Eve! It was for your dear sake
The world's first hero died an uncrown'd
king;
But God's great pity touched the grand mistake,
And made his married love a sacred thing;
For yet his nobler sons, if aught be true,
Find the lost Eden in their love to you.

—Jean Ingelow.

Can the wiles of art, the grasp of power,
Snatch the rich relics of a well-spent hour?
These, when the trembling spirit wends his
flight,
Pour round his path a stream of living light,
And gild those pure and perfect realms of rest
Where virtue triumphs, and her sons are blest.
—S. Rogers.

#### A DAKOTA MIRAGE.

#### Experience of a Party of Hunters in the . Arid Plains.

Has the reader ever been so fortunate or unfortunate as to witness a Dakota mirage an eye witness, in fact?

The recollections of one autumn week will last me to my dying day. It was one of those calm, sunshiny days, and I was numbered in company with a quartet of sportloving young fellows who went forth, eager to scour the grand boundless prairies in search of the toothsome duck or hen, antelope, or, perhaps, a stray buffalo, which are now very scarce.

We started out without taking the precaution of preparing for any emergencies whatever, as we placed explicit confidence in our ability as good sportsmen to supply the needs of the body. We sorely regretted not doing so the next day. That whole day we wan-dered aimlessly about over the endless prairies, and not so much as an insignificant gopher made its appearance to fall before our shotguns. The cravings of hunger and thirst now began to assert themselves, and in our frenzied wanderings the truth dawned upon us that we were lost. Lost! Lost, indeed, upon a scorching prairie that seemed to have no outlet, no trees, no water, no green grass, and not a fowl or animal in sight. The situation was horrible to contemplate. Our faithful horses' tongues were lolling from their mouths, and we were so weak from hunger that it was with great difficulty we remained in the saddles.

Two days without water is harder on a human being than going without food for a week, and we saw starvation and death gauntly staring us in the face. How we managed to drag through the hours of that awful night I can never relate. It was well on to noon before we considered ourselves sufficiently rested to resume the hunt for a sign of civilization. The sun's burning rays seemed to be hotter and more relentless than ever. We soon stopped, as we were too fatigued to proceed any farther. Simultaneously it dawned upon us all that this was to be our last day on earth, and with a brotherly shake of the hand we lay prone upon the ground awaiting the now welcome coming of death.

Harry Hale suddenly sprung upon his feet, grabbed his shotgun, placed the muzzle to his brain, and would have pulled the trigger and ended his earthly troubles but for my timely interference.

He then rushed to one of the horses and shot it dead. Hardly had the animal fallen before Hale, with childish glee, pounced with his hunting knife, and applied his Times,

mouth to the hot, gushing blood, drinking it down with a gluttonous appetite.

The sight of flowing blood nerved us to almost desperation, and we crowded to the yet dying horse, roughly pushing Hale aside, and eagerly sucked the ebbing life's blood. I believe to this day that nothing has ever tasted better in my life. Our existence was prolonged now for at least a short period. and our lips moved in grateful prayer.

A wild, maniacal shout from Hale had attracted my attention. Great heavens! The madman was mounted on one of the horses and tearing away. He was glancing back and pointing ahead and screaming at the top of his lungs: "Water! Water!" One of us must be left behind. One horse was dead, and three persons could not ride upon the two animals that were now very weak.

I looked in the direction of Hale, and sure enough, what appeared to be water was seen in the distance. I hastened to acquaint my companions of the joyful discovery. Hale kept galloping madly on, looking neither way, but furiously lashing his horse. A steep precipice loomed before the rider, but he heeded it not, and spurred his exhausted animal to still greater speed. The poor horse attempted to swerve from its course and avoid the yawning chasm, but Hale noticed nothing but the fascinating dance of water on the horizon. They were now but a few rods from the precipice.

Still the horse was spurred on. He neighed piteously, plunged forward, and just at its brink stopped stock still and the rider flew over his head into the bottomless pit. To say that we were horrified would be putting it rather mild. We hastened to the scene of the catastrophe. The horse stood on the edge, trembling in terror from head to foot. I carefully-approached the brink and peered into the black pit. Nothing could be heard; all was pitchy darkness. I seized a large rock and hurled it to the bottom. Presently I heard a faint sound-deep, deep down into the very bowels of the earth. Poor Hale's death came very easy, though terribly unexpected, and no human being could make that decent without death ensuing half way

With heavy hearts we once more saddled our tired horses and followed the alluring lake. An hour passed, but it seemed as if we were just as far away as on the start. Another hour, another, and another, and still the waters kept dancing and glistening in the sunlight an apparently short distance ahead. We continued the tedious trip, and happening to look up we discovered to our dismay that the supposed lake had entirely vanished. But a more welcome sight greeted us. Not many miles to the east the city from which we started loomed up. Ah, something strange about this. We could see the streets, familiar buildings, and even recognize men walking up and downliterally photographed before our startled vision. We traveled and traveled, but it was impossible to approach the town. Then, as if by magic, the whole scene disappeared from view. We were mystified beyond comprehension and unable to solve the problem. The tired, faithful steeds refused to budge an inch and lay down, and we rolled off and sank by their sides exhausted.

The pangs of hunger knew no bounds, se I resolved to slay another horse. 1 got up and, to my horror, the animals had strayed away, probably in search of fodder. My companions groaned feebly, but we were all too weak to follow them. Death's aw ful presence was now almost felt, and with a prayer upon our lips we reeled to the ground and hoped that the grim destroyer would soon come and relieve us. Well, he did not come, or I would never have written this sketch. While in a comatose condition, I was shaken gently, and friendly hands applied a cooling flask to my heated lips. This same office was also administered to my suffering companions. Our good Samaritan, who proved to be a farmer, took us in his wagon and bundled us off to his house, where we were closely confined for two long weeks.

As I write I cannot help thinking of poor Hale's mangled remains reposing in the depths of that awful abyss. I afterward learned that our course when lost on the prairie was one continued circle. I tremble for the luckless traveler who follows a

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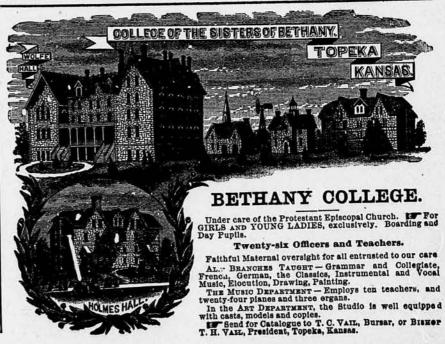
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Reports indicate a good condition of wheat in all parts of the State.

Farmers were sowing oats in the southern part of the State last week.

A friend inquires if the rumor that the Kansas Farmer is threatened with a boycott is true. No. They will hardly undertake that.

Sunday last. It extended to the north it was pretty general throughout the State.

Prof. Snow's report shows that last month was the warmest January since '82. There were five warmer Januaries since 1868, viz.: those of 1869, '76, '78, '80 and 82.

Report from S. B. Jackson, Greeley county, shows that in January the temperature was 4 deg. below normal and rainfall was one-half above normal. Farmers plowed three-fourths of the

A Stafford county farmer writes: "I believe if the farmers would raise more early corn and sorghum, sweet potatoes. peanuts and such things, together with better stock, we would come out all

The bill to create a department of agriculture with its chief officer a member of the President's cabinet was approved Monday of last week, and Hon. Norman J. Coleman, present Commissioner of Agriculture was nominated for the new office of Secretary of Agriculture. Col. Coleman justly deserved this mark of approval. He has been an active, earnest, faithful officer-what we call out west, a rustier.

The Douglas county Horticultural Society held their regular monthly meeting, at Snow Hall, University grounds, last Saturday. It is the most energetic and vigorous society of the kind in the State, and that is nothing to the discredit of any of the other it began many years ago, and its THE LEGISLATURE.

Both bodies were hard at work last week, holding three sessions daily, though very little was accomplished in the way of completed legislation. Saturday morning three short laws were published in the official State paper, and only two had been published before that, and none of the five was one of general interest.

The discussions were animated on the bills proposing to reduce rates of interest, to reduce salaries of county officers, and appropriations to State edudational institutions. We can understand why objection is made to large appropriations for the Sate Normal school, for its friends two years ago, promised that if certain things were done no further appropriations would be asked for, and those certain things were done. The State University has always been liberally treated, Snow hall was built within the last two years with public money. But why the State Agricultural college should receive such niggardly treatment we do not understand. Twenty thousand dollars to the University more freely than \$5,000 to the college. The money squandered on useless clerks would be wisely appropriated for use at the college in the interest of Kansas agriculture.

When a vote was taken on striking out the enacting clause of the county salary bill it was saved by only twentytwo votes. In committee a majority voted against the bill; but a motion to disagree with the report prevailed. Gentlemen voting for striking out were: Messrs. Admire, Andrews, Bailey, Barber, Boles, Campbell of Cowley, Cannon, Chambers, Coates, Deupree, Duvall, Fall, Gillespie, Guthrie, Hanna, Hay, Herron, Hock, Jones, Kenea, Lacey, McFarland, McLennan, Palmer, A six-inch snow fell in this region Perry, Rankin, Reeder, Rhea, Rice of Barton, Rice of Bourbon, Roach, Safline of the State, and as snow or rain, ford, Smith of Franklin, Steele, Stevenson, Sutton, Walker, Wisler, Young, Younkman.

Gentlemen in the negative were: Messrs. Atherton, Battey, Bishop of Bourbon, Bishop of Hamilton, Boyle. Brewer, Brigham, Brown, Burnett, Burton, Campbell of Stafford, Coley, Davies of Riley, Doty, Douglas, Edwards, Elder, Elliott, Evatt, Faulkner, Ford, Gibson, Gordon, Hale, Heber, Hileman, Honnell, Horner, Janeway, Kenyon, Legate, Linscott, Loomis, Mc-Afee, Martin of Harper, Mechem, Miller of Lyons, Miller of Neosho, Needhom, Nichols, Phillips, Poe, Reitz, Ritchie, Rowe, Sherman, Simpson, Smith of Phillips, Spencer, Stocks, Street, Stewardson, Timmons, Tucker, Wade, Walrond, Weaver, Wellhouse, White of Jewell, Wright, Ziegler and Mr. Speaker.

Gentlemen absent or not voting were: Messrs. Benton, Berry, Bland, Carpenter, Carter, Cranston, Crew, Davies of Republic, High, Lee, Limerick, Malaby, Martin of Neosho, Maule, Miller of Lincoln, Morgan, Swallow, Swensson, Williamson and Wilson.

The Senate passed a bill amending years where it was placed two years ago, to twelve years. That is bad legislation; surely members of the House will not allow the bill to pass that body.

A resolution passed the House proposing an amendment to the constitution extending the sessions to ninety days and fixing the pay of members at thriving horticultural associations, for \$5 a day. If a ninety-day session were

would be long enough.

Senator Mohler's stay bill was defeated, and properly, we think. Its effect in practice would be to increase the burdens of poor men who believe themselves compelled to borrow, and it certainly would increase rates of interest, because it extends the period of collection to at least twice the time now allowed. The remedy needed is not a stay law nor any proceeding which will delay, hinder, or defeat the credit or's remedy, which ought to be certain, direct and speedy; but it consists in allowing the debtor a reasonable time. after the creditor has enforced his remedy, in which to redeem the land. That hurts nobody, impairs no security, but gives the debtor a chance to save his home.

The beef combine movement seems to have been side-tracked. The proposed convention at St. Louis, March 12, will put the whole thing over two years and then, probably, the farce will be repeated.

A good many ugly questions will be asked after this Legislature adjourns.

Whole number of bills introduced up to Saturday evening—House bills 708, Senate bills 385, total 1,093.

#### INOREASE THE NUMBER OF SU-PREME COURT JUDGES.

It has been impossible the last half dozen years for the Supreme Court of Kansas to dispose of the business before it within a reasonable time after docketing. The number of cases has been increasing steadily from year to year. Beginning four years ago, when 379 new cases were filed, the record shows 454 the next year, 578 in 1887, and 699 in 1858. Three Judges can dispose of about 300 cases in a year—one case for every working day. The Legislature, two years ago, provided for three court Commissioners to assist the regular Judges in the disposition of the Court business, and their help has been a positive benefit, the three Commissioners adding to the working power of the court about two-thirds. But that is not enough. The whole number of cases disposed of by the court last year with the aid of the Commissioners, was 564, while the number of new cases coming into court was 699, leaving 135 of that year's cases undisposed of, saying nothing of the new cases of 1888. The court is falling behind every year. There were 900 undetermined cases on the docket the first day of this month, February 1889, as we are informed by Mr. Brown, Chief Clerk. At the rate of last years' work, 564 cases disposed of, and if there was not another case brought during this year, there would be 336 cases left on the docket at the end of the year. Adding to these 336 as many cases as were brought in 1888, and we have 1035 undetermined cases with which to begin the work of 1890more than three times as many as three Judges can handle in one year.

It is evident, then, that the number of Judges must be increased. The Commissioner system is better than no change, but it is not what is needed; the law relating to the age of consent besides, it is too expensive. Three crease expenses unnecessarily. in women, changing it from eighteen men ought not to be employed to do work that two men can do if better equipped. As Commissioner, a man will perform quite as much labor as he would if he were a Judge; but so long as he is a Commissioner, his work must be passed upon by the court—the regular Judges-who are responsible for the work of the Commissioners. As it works in practice, then, while the three run as the present one is it would be an Commissioners work as hard and as to appropriate \$50,000 to make a special members have grown old in the work. expensive luxury. Let us learn to use faithfully as the Judges do, their pro-The present officers are young men, but the time of a short session well before but the members, many of them, have asking for a longer one. Better have a seen more than half a hundred years.

Exposition, which opens next May. Exposition, which opens next May. This can be remedied by have the fall, but it is better late than the fall of the commission to suggest legislation that thirds. This can be remedied by have seen more than half a hundred years. | commission to suggest legislation that thirds. This can be remedied by hav- never.

is needed; then a thirty days session ing Judges instead of Commissioners, for a Judge counts as a Judge, and not as one whose work, however good, must be examined and sent out as that of an officer or tribunal provided for by the

constitution. This change can only be made, however, by an amendment of the constitution. Two years ago, the KANSAS FARMER opposed the adoption of an amendment to increase the number of Jidges, not, however, because there was no need of increase, but because it was proposed to increase the salaries as well as the number of Judges. We were then and are now opposed to increasing salaries. The people are in no mood for that. A resolution is now pending in the Legislature proposing an amendment increasing the numb r of Judges to seven, leaving the matter of salary just where it is—that it shall not be less than fifteen hundred dollars a year. Let the resolution pass. There is no question about the need of additional Judges in the Supreme Court, the objection is to increasing salaries.

#### NO MORE DISTRICT JUDGES NOW.

A judicial apportionment bill is pending before the Legislature. It proposes to make seven new districts, which will give the State thirty-six instead of twenty-nine districts, increasing the expense of our district courts \$17,500 in Judges' salaries alone. This would be agreeable to at least a dozen aspiring lawyers, and as many lay gentlemen who would sacrifice themselves in clerkships; but we need not so much more Judges as more efficient ones-men who will dispose of the court business in a business-like way. Judge Chandler, of the Eleventh District, learning that it was proposed to cut his district in two, immediately sent up a protest, stating that he is able to take care of that district himself. And so he is. The district is composed of Crawford, Cherokee, Labette and Montgomery counties; containing a population of more than a hundred thousand people. Judge Chandler is a working man and a competent officer. He wastes no time. He conducts the business of the court as a master mechanic does a machine shop; everything is in order and performing the work assigned to it. Twenty-five men like Judge Chandler could do all the business in the district courts of Kansas, and do it well. We need no more District Judges now.

It is argued that some of the new districts in the West are too large, and that may be true. But instead of increasing the number of districts, either enlarge some of the older districts; or, if that is not advisable, lessen the number of terms in the newer counties of the large districts. It is not at all necessary, however, at this time to make any changes at all. If the present Judges cannot get along with the work and will say so, the KANSAS FARMER will agree to find a good lawyer in every such district who will take the place of the retiring Judge, and promise in advance to dispose of all the business on the dockets. This is no time to in-

#### Oak Grange Institute.

An interesting Farmers' Institute was held last Thursday and Friday, at Oak Grange Hall, some seven miles south-west of Topeka. We have a full report of the proceedings but cannot print it this week. It will appear in our next issue.

A resolution is pending in Congress, American corn exhibit at the Paris Reading Lessons for Farmers.

A plan of general reading conducted by a central agency was established at Chautauqua, New York, some years ago, and it has since been applied in other directions. Farmers in Pennsylvania began a like system some four years ago. It is unquestionably of very great worth. The KANSAS FARMER called attention to the subject five years ago, but it did not seem to be practical and nothing more was said about it. The subject is now revived by a note from Mr. E. C. Cowles, of Sibley, Douglas county, this State, in which he refers to a paper read before the Douglas county Farmers' Institute, in which Chautauqua reading for farmers was discussed.

The writer recommended that a committee of the Institute prepare a course of reading and study for the farmers of the county; that in each school district, the teacher, director or any one interested in the matter call a meeting at the school house, form a reading circle, elect a leader who shall confer with county committee as to course and books, lead in meetings of circle, carry on discussions and examinations. The circle to meet as often as once a week. At the first Institute after a threemonths reading was finished, a general examination to be held in forenoon, and ia the afternoon lectures given by persons previously appointed upon the subjects studied. The subjects to be at first farm topics, that is, how plants grow; physiology of animal life; history and characteristics of breeds of animals, character of soils, etc., etc.

This move is a good one. The particular plan above suggested may not be the best, but a little experience will be helpful. We wish our Douglas county friends would go ahead with it and report success.

#### Ex-Governor Martin's Offense.

Ex-Governor Martin is being roundly abused because he spoke in the common language of the time when referring to lending and borrowing money in his recent message to the Legislature. It is but another instance of the improper use of words-a habit, indeed it is almost a custom, which has grown so fast that many words have lost their meaning. To steal means the felonious taking and carrying away the property of another. When Governor Martin wrote that "it ought to require something more than a mortgage to steal a man's farm," he did not mean that any body could pick up a farm and carry it away; nor did he mean. that when one person lends money to another person and takes a mortgage on the borrower's farm as security for payment of the debt, he is deliberately planning to defraud the borrower and wrongfully deprive him of the use and ownership of his farm. What the Governor did mean, probably, was that unscrupulous men who, either as principals or agents make unconscionable bargains with men who cannot, or who do not know how to help themselves, and obtain from them promises which are unreasonable, ought to be prevented by law from collecting more than what is reasonably and lawfully due; in other words, that mere writing, a mortgage, if you please, if it is tainted with fraud or made to secure an obligation fraudulently imposed, ought not to be held sufficient to justify the selling of a man's home by officers of the law.

There is a great deal of business done by some persons who advertise them- showing that our farmers are beginning the agent states they have made great

gave offense. He meant right, and if he never makes a greater or worse mistake, he will hardly miss his final reward.

#### Institute at Wellington.

We have a report of a Farmer's Institute at Wellington, last week. President Fairchild, from the State Agricultural college and Hon. Wm. Sims, late President of the State Board of Agriculture, were present and took part in the proceedings. Mr. Forney read a paper on the need of organization among farmers; President Fairchild showed the relation which the Agricultural college sustains to the people, and also, in another address discussed 'speculation on the farm." The use of early seed corn, and corn culture in general was discussed, the prevailing opinion being that seed grown in Kansas is as good as any, and that large corn, on an average is as good as small corn. One man recommended plowing ground in July and August for the next year's corn crop.

Major Sims talked on "silos and ensilage," Miss Hannah G. Miller dis cussed the question-"Does education unfit girls for household duties?" Stockraising was treated by M. B. Keagy, and G. W. Bailey and Geo. D. Armstrong read papers on fruit and culture.

Next meeting of the Institute will be held the second Sat irday in March.

#### Peabody Farmers' Institute.

From a report kindly sent us by the Secretary, Mr. D. J. Fraser, we learn that a permanent organization was effected at Peabody, to be known as the Golden Relt Farmers' Institute of Peabody, Kas. Its object is the discussion of all matters of interest to the agricultural community. The following program was adopted for the meeting March 7, commencing at 6:30 a. m.:

MORNING. "Preparing for and Planting corn," P. Wagner; "Sorghum Feed," T. M. Potter; "Raising Roots and Value as Feed," Rennet; "Future of Stock Industry" (continued). C. F. Stone.

AFTERNOON. "Seed Corn," D. D. Perry; Oats-How to Grow and Profit," O C. Brown; "General Farming and Stock-Raising" (continued), F. H. Kollick; "Tame Grasses," M. Daintey; discussed by D. J. Fraser.

EVENING. "Growing Potatoes," A. B. Pease, Sr.; discussed by M. H. Dawson; "Vegetable Garden," Mrs. P. K. Hannah; "Out-Door Home Adornment," Mrs. Nichols; discussed by Mrs. Patton; "Small

Fruits and Grapes" (continued), A. J. Hesson.

The officers are-T. M. Potter, President; F. H. Kollock, Secretary; and A. G. Spencer, Treasurer, with one Vice President from each township, and an Executive committee of three, consisting of President, Secretary and one member. The following Vice Presidents elected: G. H. Rood, East Branch, M. H. Dawson, Peabody; J. W. Tavenner, Catlin; J. Hinebaugh, West Branch; O. C. Brown, Wilson; D J. Frasen. Fairplay; Charles Barker, Doyle; W. B. Freeman, Center; Willis Pope, Clear Creek.

An interesting meeting of the farmers was held recently at Hutchinson, where matters of interest to Kansas agriculture were discussed. Meetings of that character are being held in different parts of the State, a good sign, selves as money lenders, which, in to see their way out of difficulties. Ed- advancement in the past few years. which has about the same as robbery not the education of the schools, but houses as neatly kept as many of the in mind when he used the words which people who want to enlarge the field of part of the owners. All these tribes Agriculturist.

their observation, multiply their facilities for transacting business and acquiring new and better methods of

#### State Historical Society.

We have received from Hon. F. G. Adams. Secretary, the sixth bi-ennial report of the Kansas State Historical Society. The report covers the period from January 18, 1887, to November 19, 1888. During this time there have been added to the library of the society, of bound volumes, 1619; unbound volumes and pamphlets, 9.250; volumes of newspapers and periodicals, 1,995; single newspapers, 1 734; maps, atlases and charts, 116; manuscripts, 662; pictures and works of art, 275; scrip, currency, coins and medals, 32; war relics, 12; miscellaneous contributions, 229.

The library additions of books, pamphlets and newspaper files, not including duplicates, number 12 864 volumes. Of these, 12 001 have been produced by gift, and 863 by purchase.

The whole number of volumes in the library at the present time is as follows. namely: 9 971 bound volumes; 30,353 unbound volumes; 7,981 bound newspaper files and volumes of periodicals; in all, 48 305 volumes. Of the newspaper volumes, 5,757 are of Kansas.

The report contains a list of Kansas newspapers and periodicals now published, from which it appears that they now number 827 in all. Of these 45 are dailies; 733 are weeklies; 1 semi-weekly; 40 monthlies; 1 semi-monthly, 2 bimonthlies; 4 quarterlies, and one oc-casional. They are nearly all being received by the society, and are bound and placed on the library shelves for reference. They come from all of the 106 counties of Kansas, and record the history of the people in all the communi-

The list and tables which the report contains show that there is being made up by this society for the use of the people of Kansas a library of history and reference, remarkable in its growth, and still more remarkable in the character and value of the materials which it contains. They show that the growth of the library and collections has steadily continued from year to year during the thirteen years of the society's existence, and that in that time there have been placed on the library shelves more than 48,000 volumes of books, newspaper files and pamphlets; and in addition to these, this and former reports show a collection of manuscripts, pictures, statuary, relics and objects of historical illustration of every kind and description almost countless in number.

#### Kansas Indians.

According to the annual report of John Blair, United States Indian agent, at the Pottawatomie and Great Nemaha agency, in Kansas, there are five tribes of Indians under his charge. They are the Prairie Band of Pottawatomies, the Kickapoos, the lowas, the Sacs and Foxes of Missouri, the Chippewa and Muncie, or Christian Indians. There are 1030 in all on the different reservations. The Pottawatomies are in Jackson Co., Kas.; the Kickapoos are in Brown Co., Kas.; the Chippewas and Muncies are in Franklin Co., Kas: the Sacs and Foxes of Missouri are in south eastern Nebraska; and the Iowas occupy an adjoining reservation in north-eastern Kansas.

Nearly all of these Indians are engaged in farming and stock-raising, and morals, is no better than stealing, and ucation is the great need of the time, Many of the Pottawatomies have (stealing by force) and it was this class that broader and more practical educa- better class of white people, and all of men. we suppose, the Governor had tion which comes from the meeting of their surroundings indicate thrift on the

except the Sacs and Foxes of Missouri live entirely in houses supplied with stoves and necessary furniture. The Sacs and Foxes are not so well supplied with houses, and seem to care less for them than the others do. The farms are well cultivated, and many of the Indians own thoroughbred cattle and take great interest in stock of all kinds.

No crime is reported and the agent states that very little intemperance among the Indians hae come under his observation. In regard to their religious convictions, he says he is fully satisfied of their sincerity in their methods of worship. They all believe in the Creator, in future rewards and runishments and teach the practice of truth and charity as the greatest of virtues.

There are three industrial boarding schools operated in the agency. One is on the Pottawatomie reserve, another on the Kickapoo reserve, and the third on the Iowa reserve. Farms are attached to each of these schools, and are managed and worked in the manner of industrial schools among the whites. The agent says: "I have seen many evidences of the advantages the Indians ars realizing from these schools. These do not consist alone in what has been learned from books, but are to be seen in their manner, mode of dressing, greater industry, their desire for refined associations and finer moral per-

#### The Country's Manufactories.

According to figures obtained by the American Exchange and Review the capital employed in the United States at present in manufacturing is about \$3 000 000 000, in nearly 300 000 establishments. Fire loss per annum attending such value is about \$50,000 000, or an average of sixty cents per \$100 value in peril of fire. The estimated loss by strikes as regards the manufacturer is three-fourths of that by fire. Annual production of the manufactories reaches a value per annum of \$5 000 000,000, upon which the net earnings is approximately 7 per cent., or \$350 000,000. This gives \$700 000 000 as an aggregate insurable value upon the basis named, which value is subject to a loss of about \$15 000,000, or 2.15 per cent., or an annual tax upon the \$3 000 000,000. capital employed of one-half of 1 per cent., or 50 cents per \$100, if it should be so viewed. But in this care the capital is not taxed as the charge would be upon the profit, and whether it is worth while for those concerned to pay any expense of 4.30 per cent of the profit to save the rest, as matters are now proceeding, is for them to deter-

Kansas railroads have abandoned the late practice of weighing cattle in the cars and charging freight on the weight. The old system of car loads is readopted on suggestion and request of the State Board of Railroad Commis-

The latest is a gold dust scheme reported from Oklahoma. Let it alonethe whole thing is a fraud-published to get people in the Territory. The bill which passed the House some days ago provides specially that no white citizens shall settle there until after proclamation made by the President and that will not take place until after the consent of Indians has been obtained.

Strict regularity in the time of feeding and the quantity of milk given is essential to health and safety as well as to profitable increase of weights. These points about the feeding of skim-milk will apply to young pigs as well as calves. A gutty, thriftless hog is the necessary product of a careless and wasteful mode of feeding even excellent skim-milk, says the Northwestern

### Borticulture.

TREATMENT OF BLACK-ROT OF THE GRAPE.

The Commissioner of Agriculture, sends out the following:

The experiments made in 1888 bave demonstrated beyond question that the copper compounds, especially the Bordeaux mixture, can be relied on to prevent black-rot. Where the remedies were properly applied from 60 to 70 per cent. of the crop was saved.

In view of these facts the preparations which furnished the best results in 1888 are here given, with the urgent request that one or more of them be thoroughly tested during the coming

(1) SIMPLE SOLUTION OF SULPHATE OF COPPER.

Dissolve one pound of pure sulphate of copper in twenty-five gallons of water. While this preparation has, in a number of cases, been used with beneficial results, its employment, especially when the foliage is young and tender, can not be advised. For spraying the vines in spring, however, before the leaves appear, it will doubtless prove as efficacious as any of the following mixtures, and is more easily prepared and applied.

(2) BORDEAUX MIXTURE.

(a) Dissolve sixteen pounds of sulphate of copper in twenty-two gallons of water; in another vessel slack thirty pounds of lime in six gallons of water. When the latter mixture has cooled, pour it slowly into the copper solution, taking care to mix the fluids thoroughly by constant stirring.

(b) Dissolve six pounds of sulphate of copper in sixteen gallons of water, and slack four pounds of fresh lime in six gallons of water. When cool, mix the solutions as described above.

This formula requires fresh lime. Air-slacked lime, or a paste made by allowing freshly slacked lime to settle, contains a large percentage of water; consequently, if they should be combined in the proportions indicated, there would not be sufficient lime to decompose the copper. Experience has shown that while four or even three pounds of fresh lime is sufficient to decompose six pounds of copper sulphate, it requires double that quantity of airslacked lime and three times the amount of paste.

The manner of preparing the Bordeaux mixture may be modified in various ways. Colonel Pearson pulverizes the sulphate of copper, and then dissolves it in from two to four gallons of hot water. The lime is then slacked in the same way that masons slack it for mortar. This is strained into a box, left to settle and thicken, and then combined with the copper, adding water to the required amount.

(3) SOLUTION OF AMMONIACAL CARBON ATE OF COPPER.

Into a vessel having a capacity of about one gallon, pour one quart of ammonia (strength 22 deg. Baume), add in the Kansas Farmer of January 17. rapidly for a moment, and the carbonate of copper will dissolve in the ammonia, forming a very clear liquid. For use, dilute to twenty-two gallons. So far as we know, this preparation has not been used in this country as a remedy against black-rot. As a preventive of mildew, however, it has given satisfaction. It is easily prepared and applied, and adheres firmly to the foliage.

(4) EAU CELESTE.

22 deg. Baume); when ready to use dilute to twenty two gallons.

(b) Dissolve two pounds of sulphate of copper in two gallons of hot water; in another vessel dissolve two and onethe two solutions, and when all chemical reaction has ceased add one and onehalf pints of ammonia, then dilute to twenty-two gallons.

TREATMENT.

To indicate a definite line of treatment that will be applicable to all regions is somewhat difficult. As a first step, however, every precaution should be taken to remove as much of the infectious material as possible. With this object in view the old leaves and rotten berries should be carefully collected in the fall or winter and burned or buried. The trimmings should also be burned as they often harbor thousands of the minute spores or reproductive bodies of the fungus.

In spring, after the vineyard has been pruned and put in order by the plow, but before vegetation starts, spray the vines thoroughly with the Bordeaux mixture, formula a, or with the simple solution of sulphate of copper. The object of this spraying is to destroy any spores of the fungus that may be hidden away in the crevices of the bark. About ten days before the flowers open, spray all the green parts of the vine with the Bordeaux mixture, formula b, taking care to wet the foliage thoroughly. Spray again with the same preparation when the flowers are opening, repeating the operation every three weeks until the the fruit begins to color. The necessity for beginning the treatment early can not be too strongly urged; it is absolutely necessary to insure success.

For applying the remedies, sprayingpumps with specially-constructed nozzles are necessary. The Eureka sprayer, fitted with the improved Vermorel nozzle, answers the purpose admirably. With this machine, which is carried on the back, knapsack-fashion, a man can spray from five to six acres of vines per day, and the cost of treating an acre in an average season, using the Bordeaux mixture as indicated above, need not exceed \$12. The price of this machine, including all the fittings, is \$20.60. Good pumps, suitable for vineyard use, are also manufactured by the Nixon Nozzle and Machine company, of Dayton, Ohio. In all cases where the Bordeaux mixture is employed it will be best to use the improved Vermorel nozzles, for the reason that they are specially constructed to prevent clogging. These nozzles may be attached to any force-pump having the proper apparatus to make the connection. They are manufactured and sold by Thomas Somerville & Son, of Washington, D. C., the retail price being \$1.50 each, or \$15 per dozen.

Root-Grafts--Orchards.

EDITOR KANSAS FARMER: - With the editor's permission we will make a few criticisms on C. Hartzell's article three ounces of carbonate of copper, stir First, his theory of whole roots for tiny fruit every season. Here, too, the roots, is not substantiated by facts in every-day practice. If whole-root grafts are planted at the end of the first year For birds are like children, they will of growth, or planted out at once in orchard in deeply prepared ground, the find. tap-root may penetrate to a greater depth than short-root grafts, but on the other hand, if these whole-root grafts are root-pruned by the nurseryman at the end of the first and second year's (a) Dissolve one pound of sulphate of growth, has the stock any advantage copper in two gallons of hot water; then over the short-root stocks? A when completely dissolved, and the wa- limited trial of 1,000 whole-root grafts ter has cooled, add one and one-half the past season fails to convince me of or the slopes near the foot of hills. But pints of commercial ammonia (strength their being of any material advantage berries may be planted on any soil that

to the grower. Of course it is a taking card for the propagator at an advance of 25 per cent. in price over short-stock grafts; it is also capital to the salesman in soliciting orders for stock. Afterhalf pounds of carbonate of soda; mix culture, training, etc., are the main essentials for a successful orchard in Kansas; this question of stock is a secondary consideration-it had best be relegated to these Northern sections, where hardiness of stock is a primary requisite.

For the southern half of the State, the theory of Mr. Hartzell on the heighth of the trunk has cost our orchards untold losses of time and money, his reflections on the "piles of brush" are the visible results of these costly teachings in the past. Has Mr. Hartzell ever thought or considered that this "brush" has been grown for the specific purpose of shading the trunk and main limbs from the effects a tropical sun. Every tree so shaded is free from sun-scald and the flat-headed borers' depredations, the past three seasons of drouth, and all open high-headed trees the reverse, without regard to their culture or condition.

Another lesson we have learned, is to plant on slope or bottom ground, if a crop is to fully mature and stay on the tree until picking time. Another lesson we have fully learned is to plant thick; twenty feet apart each way will produce double the fruit in fifteen years that thirty by thirty or any wider distance. The roots soon interlock or touch and force the trees in bearing early, afford each other protection against winds and hail storms. Of course this thick planting will require heavy feeding, and judicious pruning out and back. Land will soon be too valuable in Kansas for the luxury of apple parks. While forty and fifty feet distance may be necessary in cold Northern climates to allow the fruit to mature in the short seasons, it is not necessary here, the very reverse being the case. While on this subject of orchards we would suggest to every orchardist that has wind-breaks of cotton wood or other quick-growing trees. to keep them cut down to the heighth of their orchard trees every other year, or their apple trees will run up like a Lombardy poplar. Their evil effects are visible on the rich valley lands of the Arkansas valley on every hand.

JACOB NIXON.

Kellogg, Cowley Co., Kas.

#### Strawberry Lands.

From advance sheets of B. F. Smith's 1889 Small Fruit Manual, Lawrence, Kansas.

Let no one who loves the strawberry and who lives on a town lot, or who is the owner of a forty-acre farm, think that he has not a plot of land fit for strawberries. To one who may be in doubt of the fact let him go abroad on the prairies or along the hedge fences and he will discover the wild strawberry growing where the seeds were dropped by the sweet-singing birds of the forest.

Here all among the grass the seedling strawberry grows and bears its in preference to pieces of short birds get their supply of berries when there are no neighboring berry-growers who raise larger or sweeter berries. always pick the largest ones they can

> The strawberry vines seen on the highways are standing witnesses to the certainty that berry lands are present, and the farmer who desires to raise a supply for his own use or for market can do so.

> The best soils may be found in the timbered lands bordering on the creeks

## "Try Ayer's Pills"

For Rheumatism, Neuralgia, and Gout. Stephen Lansing, of Yonkers, N. Y., says: "Recommended as a cure for chronic Costiveness, Ayer's Pills have relieved me from that trouble and also from Gout. If every victim of this disease would heed only three words of mine, I could banish Gout from the land. These words would be—'Try Ayer's Pills.'"

"By the use of Ayer's Pills alone, I cured myself permanently of rheumatism which had troubled me several months. These Pills are at once harmless and effectual, and, I believe, would prove a specific in all cases of incipient

#### Rheumatism.

No medicine could have served me in better stead."—C. C. Rock, Corner, Avoyelles Parish, La.

C. F. Hopkins, Nevada City, writes:
"I have used Ayer's Pills for sixteen
years, and I think they are the best Pills
in the world. We keep a box of them
in the house all the time. They have
cured me of sick headache and neuralgia.
Since taking Ayer's Pills, I have been
free from these complaints."

"I have derived great benefit from Ayer's Pills. Five years ago I was taken so ill with rheumatism that I was unable to do any work. I took three boxes of Ayer's Pills and was entirely cured. Since that time I am never without a box of these pills."—Peter Christensen, Sherwood, Wis.

#### Ayer's Cathartic Pills,

Dr. J. C. Ayer & Co., Lowell, Mass. Sold by all Dealers in Medicine.

will produce good wheat or corn. The year previous to planting, the ground should be broken and well pulverized, and harrowed several times during the season. Land where sweet potatoes or cabbage grew the year previous to planting will work nicely for any kind of berries.

If such grounds are not convenient to be had, and if it is desired to plant this year, then seek a location in a corn field where the ground is clean. Break it in February or early in March, and harrow and cross-harrow till thoroughly pulverized. It is the custom in the East on their poor worn-out lands to plow under thirty or forty wagon loads of manure per acre, but in the fertile prairies and timber belts of the West the manure expense can be saved. Again, when white grubs are numerous there is great danger of making a grub worm nursery instead of a strawberry field. If the land selected for the berry field is inclined to be low or nearly level, then it should be plowed up in beds, say fifteen feet in width, thus allowing room for four rows to the bed; or, if it suits the lay of the land better, it can be plowed in beds thirty feet apart which will allow eight rows to the bed, and a wide middle furrow to carry away surface water.



SKIN AND BLOOD DISEASES

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### The Poultry Hard.

REARING TURKEYS ON THE FARM. A great deal has been said and written on this subject. It is one of the things that is so easy to do after we learn how, that we wonder we ever had lated under the eaves so as to allow the to learn at all. Still, to the uninitiated, rearing turkeys is a great mystery-so very difficult, in fact, that after one or two futile attempts, many give up in despair. The scientific poultry-raisers of course know exactly how it should be done. They make a business of it, and can afford the expense necessary to provide houses built after the most approved models, grass-runs, close yards for the little ones, shrubberies for the mating birds, and a variety of foods suitable to their different ages, and to all seasons. But the wife or daughter of the farmer in moderate circumstances can afford few of the conveniences which tend to lessen the labor, and which are considered absolute necessities by the professional poultryraiser. We cannot even procure the foods which we know would be best, but are compelled to take the odds and ends of refuse grain which nothing else will eat. The average farmer would think his wife or his daughter had taken leave of her five senses were she to request him to sow an acre of buckwheat for the chickens, or a small patch of rye near the house, in order to afford them tender grazing in the late fall and early spring, when every other

There is nothing more healthful for young fowls in the spring than corn broken into coarse hominy, but to suggest that a bag of corn should be carried to the mill for this purpose, would be thought entirely unnecessary.

green thing has become frosted,

Most men think that domestic fowls should be like the birds of the air-provided. So we poultry-raisers on the farm have to make the best of what we can pick up, and this, after all, is not such a bad outlook, for, with the exercise of some ingenuity and forethought, we can generally provide something of one kind or another to feed a few chickens all the year round, while the turkeys can be raised in the summer, when insects are plentiful, and sold in the fall before they require very much grain.

To be sure, it requires a considerable amount of exercise to keep up with a large flock of turkeys when they have the whole surface of the broad earth to range over, for mine pay no more attention to fences, whether they are of rail, plank or barbed wire, than if they were not there.

But, then, it is healthful exercise; it takes us out of doors into the wholesome fresh air, and sends us back to the house with glowing cheeks and a hearty appetite. Country girls stay indoors entirely too much, poring over novels, crochet and fancy needlework, and anything that will compel them to take regular exercise in the fresh air is a good thing. The aim of this article is to prove to them that turkeys can be sed without expensive preparation or excessive labor, and to encourage more of them to embark in the business, and to persevere until they make it a BUCCESS

The following is a short account of last years's experience, and may, perhaps, afford suggestions to a beginner. Our conveniences consisted of a square rail pen, with cracks barely small enough to keep the turkeys from slig-

ping through, covered with a slanting roof of loose boards, and called by courtesy the "turkey-house;" four rough board coops, light enough to be easily moved every day to a clean spot on the grass, and made tight near the ground so as to prevent the little turkeys from running out in the dew, and well ventiair to circulate freely, and to permit the old hen to peep out and see what was going on in the world around her.

The stock consisted of ten pure bronze turkeys-nine hens and a handsome gobbler; the latter was only one year old, while the ages of the hens varied from one to six years. Early in March the hens began to lay, and were confined for several hours every day to their house where nests had been prepared for them. The first two hens which showed a disposition to set were given about fifteen eggs apiece, and the rest of the eggs placed under two chichen hens. About the middle of May forty-two little turkeys were hatched, and the number divided behatched, and the number divided be-tween the two turkey hens, leaving the two Plymouth Rocks, who had sat so patiently for four weeks, buoyed up with the fond hope of hatching some fine chicks from the big speckled eggs they so carefully covered, to go about over the yard loudly clucking out their disappointment. The little turkeys were healthy and grew rapidly. I took good care of them, and only two of them good care of them, and only two of them

died.

At first, each hen wanted every little one, and I would sometimes find one mother with forty, and the other with two. After several pitched battles the stronger one asserted her supremacy, after which they got on very harmoniously together, and seemed to take great pleasure in bringing up their family jointly. It is a good plan to put out two hens at once; they afford double protection to the young turkeys, as each protection to the young turkeys, as each is always on the lookout for hawks and other dangers, but at night care must be taken lest they all crowd into one coop, for the little fellows do not know or care which is their mother.

Some of my neighbors wanted eggs; so the next two sittings were sold to them at two dollars a sitting, a reduced price in consideration of their coming price in consideration of their coming after them. Here is the good of keeping the stock pure—the eggs and birds can often be sold for breeding purposes, while those that remain are better for market than common fowls, because they have been bred for generations with a view to making them desirable. The second hatch came out early in June. Four hens had been allowed to

Four hens had been allowed sit, and together had hatched fifty-three little turkeys. They were given to two hens—ought to have been given to three, but I had only two coops, and the first lot was not old enough to begin roosting. This little flock was very healthy until ten days old, when I cancluded it was all roosense preparing their food was all nonsense preparing their food so carefully, and gave them some that was not properly cooked, and the next thing I knew they were all sick with something like cholera. Two doses of laudanum were administered to them. one drop apiece at each dose, and for several days their food consisted of nearly all hard-boiled eggs. Water was also substituted for buttermilk. Two or three died, and all the rest were

There were only twenty-four of the third lot; they were very thrifty, but seemed particularly liable to accidents. The hawks caught several, and one little fellow got his leg broken, but I put a plaster cast on it, and kept him in a box for a few days, after which he hopped about the kitchen door for a week, and finally got with his mother. who persisted in dragging him through the thickest orchard-grass on the place but still he lived. His leg was slightly crooked when I cut the cast off, but in a short while no one could distinguish him from the others. Young turkeys have a great deal of vitality, and though tender and easy wounded, show wonderful powers of recuperation when in a healthy condition.

Three settings of late eggs were given away during the summer, for one old hen that was so large she always

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broke her eggs, was not allowed to sit. She indemnified herself, however, by laying a great many eggs, five or six dozen at least during the season.

We decided that there should be no late turkeys that year, but the two unoccupied hens made up their minds to the contrary, and went off in the weeds, made their nest, and together brought out twelve little turkeys the last of August. These were not a bit dismayed at fluding themselves unwelcome, but lived, every one of them, and at Christ-mas weighed about twelve pounds.

I never saw such prolific hens; they ave been laying this fall and furnished a good many eggs for Christmas cake. Seriously, I have been thinking of keep-ing bronze turkeys for the sale of their They are nearly twice as large as a chicken hen's eggs, and are rich and well flavored.

A turkey hen does not eat much more than a chicken, at least I do not give them much more, for they go all over the farm and forage for themselves, and when not allowed to go with little ones they lay almost as constantly as

chickens. Nearly 275 eggs were produced in all, and beside this, each of the eight hens raised a flock of little turkeys. Altogether 120 young turkeys were raised, and I think the year's work may fairly be called a success.—

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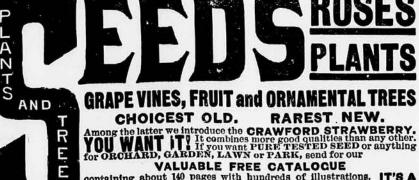
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OFRUIT TREES, VINES, PLANTS, ETC. Ie, Pear, Peach, Cherry, Plum,

### The Busy Bee.

Winter Care of Bees.

The practical apiarist does not manipulate or disturb his bees during winter, or, at least, as long as cold weather lasts. If his work is well done in the fall at the proper time, he has nothing to fear or disturb him through the winter. A few little details must be looked after, however, but not in a way to molest the bees. The work should be done in such a manner that the bees are not aware of your presence. There is nothing that will rule a colony of bees more than by tearing them up and handling them in cold weather. Hence they must be let alone strictly, even if something necessitates attention. It only makes matters worse to undertake to remedy an evil that requires opening up a hive for the purpose of handling the bees. If bees are wintered out-doors, as most of them are, a free use of the entrance for them to pass out and in on fine days is about all that is to be looked after. Some become alarmed about the snow covering the hives or the entrances, but this does not need any attention whatever, as there is no danger of the bees perishing for want of air. Hence snow will do no harm at such times, and the only time we are to fear the snow is when the bees are likely to come out on the weather's warming up, to make an effort to fly while the snow is yet upon the ground. This will happen after a long cold spell that compels the bees to remain housed up for quite a length of time. When the weather breaks and the sun comes out, this has a tendency to bring out the bees.

It is never desirable to have bees fly while there is snow on the ground. In almost every instance a bee alighting on the snow will become chilled, except it is very warm, and critical moment with the beekeeper. He must choose between two methods; he must prevent them from coming out until the snow has disappeared, or he must endure heavy loss by allowing them their liberty. It is not an easy matter sometimes to control them, but it can be done if taken in time. They may be thus kept in their hives by shoveling the snow up around the entrances, keeping the same well covered. After the snow is well gone, open the hives up and give them their liberty. When bees are thus flying extensively, the hives can be examined in safety, and it is the only time they can be, during the winter. As said above, if they have had proper attention during the fall they need scarcely any attention in this line much before the middle of March. But if we do not have a suitable spell of weather about this time, we would take the chance at any time in March when a favorable time presents itself. Upon this examination look to see if the hive contains enough provisions to carry them through. Also, clear away all dead bees and, if possible, find if the queen is all right. If stores are lacking, give candy over the brood frames, and over where the bees cluster let the sun shine directly on the packing so that it may thoroughly dry out. Repack very carefully. If any damp chaff is found exchange it for dry.—Ohio Farmer.

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largely water. The roots aid digestion, bu the food ration must be maintained as before.

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"What a coward that Major Smith is," said Jones to Robinson, "why, the very sight of gunpowder would make him ill. How did he ever manage to become an officer in the army?" "Don't say anything against Smith," answered Robinson, "he once saved my life." "Saved your life! Nonsense, impossible! What do you mean?" mean that I was in the first stages of consumption; I was losing strength and vitality every day with the terrible disease, when Smith advised me to take Dr. Pierce's Golden Medical Discovery. I had tried all kinds of medicines without success, and my physician had given me no hope; yet here I am, as well as ever a man was, and I owe my life to Smith, and to the wonderful remedy he recommende i."

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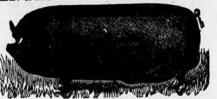


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#### THE STRAY LIST.

#### FOR WEEK ENDING FEB'Y 7, 1889.

Chase county-J. S Stanley, clerk.

Cowley county-S. J. Smock, clerk. HORSE—Taken up by J. C. Bon tett, in Tisdale tp., P. O Tisdale, in January, 1889, one dark roan horse, is hands high, harness marks, halter on; valued at \$55. HORSE My same, one bay horse, 16 hands high, samess marks, halter on, shoe on right fore foot; valued at \$13.33.

Osage county-R. H. McClair, clerk. COW-Taken up by Joseph Allison, in Melvern tp., November 6, 1889, one red cow. 6 years old. branded A on left hip, some white on right side; valued at \$18.

Shawnee county-D N. Burdge, cierk. SOW-Taken up by F. W. Leach, in Mission tp., one black sow with white strip in face, one white hind foot, slit in right ear, 1 year old; valued at \$10.

Riley county-O. C. Barner, clerk. FILLY—Takes up by Anna Hauserman, in Orden tp. one black mare co.t, 3 years old, a few white hairs on lower side of neck.

Cherokee county-J. C. Atkinson, clerk.

HORSE—Taken up by Joseph Coal, in Shawnee tp., December 13, 1838, one strawberry roan horse, 16 hands high, shout 4 years old, star in forehead, lett hind foot white.

HORSE—Taken up by Joseph Coal, in Shawnee tp., December 18, 1888, one dark roan horse, 16 hands high,

4 years old. FILLY—Taken up by C. L. Meads, in Spring Valley tp, P. O. Baxter Springs, December 30, 1888, one bay filly, 13 hands high, no marks or brands. Kearney county.

PONY—Taken up by F. A. Traylor, in Kearney tp., one bay pony, aged, seddle marks, indistinguishable brand on hip and shoulder.

#### FOR WEEK ENDING FEB'Y 14, 1889.

Lyon county-Roland Lakin, clerk.

Lyon county—Koland Lakin, clerk.

BULL—Taken up by Isaac McClelland, in Jackson
tp. January 22 1889, one small re i bull, 1 year old, no
marks or bra da: valued a' \$ 0 50.

STEER - Taken up by D. J. Lewis, in Emporis tp.,
January 19, 1889, one red steer, 1 year old, white face;
valued at \$ '4.

STEER—Taken up by A. C. Baker, in Pike ip., November 1, 1899, one red steer, 2 years old, branded B
inclessed in square on left hip, white in forehead and
white stripe running overright eye, notch out of right
car; valued at \$22.

Chasa county— I. S. Stanlay, olderly

Chase county-J. S. Stanley, clerk.

Unase county—J. S. Stanley, clerk.

HRIFER—Taken up by Wm. Houghton, in Cedar
tp., P. O. Wonseva. January 20, 1889, one red and
white 2-; ear-old beifer, branded H on left hip, hole in
left ear; valued at \*15.
STeER—Taken up by C. F. Districh. In Teledo tp.,
P. O. Plumb, Lyon Co., February 4, 1889, one red and
white spotted yearling steer, unknown brand on lest
hip; valued at \$15.
STEER—Taken up by E. L. Gewen, in Toledo tp.,
P. O. Saff rdville, February 4, 1889 one dark red
yearling steer, no marks or brands; valued at \$15.
Sheriden county—L. H. Dringe, clark

Sheridan county-I. H. Prince, clerk. HORRE—Taken un by Joseph Conley. In Solomon tp., Seprember 9, 1888, one sorrel horse, about 6 years old, branded T J on left hip, E on right side, S on left joints; valued at \$25.

Atchison county-Chas. H. Krebs, clerk. COW-Taken up by James H. J. hnson, in Wslnut tp., P. O. O. k Mills. Janua y 8, 1889, one pale red cow. about 4 years old, split in right ear; valued at \$18.

Brown county-N E Chapman, clerk. MARE-Taken up by J. O. Shannon, in Powhatan tp., November 9, 1888, one light bay mare, 8 or 10 years old. no brands; valued at \$50.

Greenwood county-J.W. Kenner, clerk. STEER—Taken up by Nis Aaroe. In Bachelor tp., No. ember 1, 1888, one roan steer, 1 year old, no marks or brands visi de; v-lucd at \$12. HE FER—By same, same time and place, one roan heifer, i years old no marks or brands; valued at \$14

FOR WEEK ENDING FEB'Y 21, 1889

Cherokee county-J. C. Atkinson, clerk. Cherokee County—J. C. Atkinson, Gerk.

HORSE—Taken up by Levi Sweet, in Shawnee ip.,
January 12, 1889, one sourel horse, about 11 years old
16 aanda hi; h, b ind in right eye; valued at 815.

PONY—Thy same, one cun horse pony. 4 years old,
brand d wi h 8 on left hip, 13 "anda high, three shoeon when taken up; valued at \$40.

HORSE—By s-me, one bay horse, 15 hands high, 12
years old, shod in rront; valued at \$40.

Hamilton county-Thos. H. Ford, clerk. MARE Taken up by E. F. Hays ip. in Medway ip., January 28, 1889, one black mare, about 15 hands higo. 12 years old, no marks or brands; valued at \$12. MULE—By same, one brown horse mule, about 15 hands high, 8 years old; valued at \$40.

Nemaha county-W. E. Young, clerk. HEIFER -Taken up by Aug at Ronnebun, in Clear Creek tp., P.O. Clear Creek, February 1, 1839, one red heifer with wife spots on flack and hip, 3 years old both horns broken off; valued at \$11.

Gove county-D. A. Borah, clerk.

ARE—Taken up by J. S. Thompson, in Larrabee December 24, 1888, one bay mare, blotch brand on high: valued at \$15 left thigh; valued at \$15.

PONYTHERE up by J. L. Simmons, in Larrabe
tp., P. O. Alanthus, January 11, 1889, ore bey pony
mare, indescribable brand on left hip and herd brand
on left shoulder; valued at \$25.

Leavenworth county-J. W. Niehaus, clerk STEER-Taken up by Afra Bodde, in Alexand in tp., P. O. Springdale, April 3, 1883, one red ster r with white spot on left side and on breast and belly, 2 years old, hole in right car and split out; valued at \$15.

Labette county-W. J. Millikin, clerk. PONY—Taken up by James H. Jarvis, in Richland tp., November 5, 1888, one bay pony mare, 12 hand-high, K on left high and a three pronged brand on right shoulder, 4 years old; valued at \$20.

Galoosahatchee Valley, Florida, the Press about this fine country and unequa ed climate 2 cents for two mon he The home of oranges, lemons, limes, guavas, placamples, cocoanus, etc. Address FRANK H. STOUT, FORT MYERS, LEE CO., FLORIDA.

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FOR SALK-Fifteen choice Poland-China sows, two one spring bors, a few nice fall pigs. Prices ressonable. J. D. Ziller, Hiawatha, Kas.

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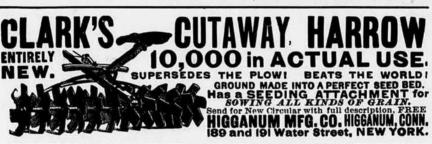
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