

VOL. XXIII, No. 6.

TOPEKA, KANSAS, FEBRUARY 11, 1885.

SIXTEEN PAGES WEEKLY. PRICE, \$1.50 A YEAR.

RAILROAD REASONS.

Reply of Board of Railroad Commissioners to Resolution of House of Representatives for Certain Information.

To the Hon. Speaker of the House of Representatives of Kansas:

SIR:-In compliance with the resolution of the House of Representatives adopted on the 3d inst., requesting information from the Board of Railroad Commissioners respecting the results of a conference held on the 5th day of January last, between the board and the gentlemen conducting the freight traffic on the roads operating in this State, and also the reasons, if any exist, why a reduction upon the present grain rates would not be advisable, we beg leave to submit the following!

On the 23d of December, last, the board issued an invitation to the freight and traffic men to meet the board on January 5th to discuss the situation of affairs occasioned by the low price of wheat and to see what, if anything, could be done to improve matters.

The meeting was held on the day named, nearly all the railroads operating in Kansas being represented. The questions of prices and rates on grain were discussed, and also the effect of reductions in the rates for transportation upon the prices. It was contended that the present rates on grain, when compared with rates in other States wherein the conditions were similar, were reasonably low; that the prevailing depression in business was felt, and its effects were quite as disastrous to railroad business as to other lines of business affecting the community, and that eyen if the rates were reduced the reductions would not, in the present condition of the market, affect the price to the producer, but only to the consumer in disstates a similar inquiry was instituted by the Railroad Commissioners with like results. If this board had entertained views different from those expressed by the freight men, there was no power in the board to enforce their views. The board possesses no power under the laws to make any order concerning rates for freight transportation which would operate even as prima facte rule of reasonableness of the rates they should fix, unless upon complaint coming from the Mayor and Council of a city or the Trustee of a township. No complaint from any source was referred to the board concerning the grain rates. The board had but a few months previously effected reductions in nearly all classes of freights, including wheat, and after a very full and thorough examination of the whole subject, and a comparison of freight schedules of a large number of railroads of other States, a new tariff had been accepted by the Kansas roads which the board, exercising its best judgment, ordered to be reasonable. For the tant markets. In several other Western which the board, exercising its best judgment, ordered to be reasonable. For the purpose of enabling the House to form an independent judgment on the matter, we append hereto rates transcribed from the freight tariffs of several leading roads in several Western States, viz.: Iowa, Wisconsin and Minnesota, upon wheat and other grains, and those in force on the leading lines of this State.

On the East-rn roads, or roads east of

lines of this State.

On the East-rn roads, or roads east of Chicago, the local grain tariffs are considerably higher than these. We institute a comparison between the Kansas tariffs and those in force in the above named States for the reason that the conditions of business, the ratio of population to railroad mileage, and the conditions that enter into a test of a fair comparison are more nearly equal in those States, to those that exist in Kansas than obtained between Kansas and any other State.

State.

It will be seen that the rates on wheat, corn and other grains are lower in Kansas than in either of the other Western States named. The comparison is extended to 300 corn and other grains are lower in Kansas than in either of the other Western States named. The comparison is extended to 300 miles, reaching to the western extremity of the wheat region in Kansas. Comparing

the totals of the four tariffs given in the table, it will be seen that the rates on wheat in Kansas are 17:30-100 per cent. lower than in Wisconsin, 5:80-100 per cent. lower than in Minnesota, and 17:40-100 per cent. lower than in Iowa.

Upon corn and other grains except wheat, the total of the Kansas tariff for 300 miles west from the Missouri river is 38:13-100 per cent. lower than in Wisconsin for the same distance; 29:44-100 per cent. lower than in

ness could be greatly stimulated if greater freedom in the law were permitted, to make special rates on fuel and mill supplies, care being taken to prevent unjust discrimination among parties similarly stuated. Uniform and inflexible rates will serve to leave the State in the future, as in the past, a dependent State, its wholesale traffic carried on beyond its limits, enriching strangers at the expense of our own prosperity.

Respectfully submitted. By the Board of

Vigilance Committees.

re dal correspondence KANSAS FARVER Your correspondent, learning that the annual meeting of the Central Vigilance Committee was to be held at Humboldt, January 31, made it a point to be present, and was gratified to find a number of the prominent

farmers from Allen and adjoining counties

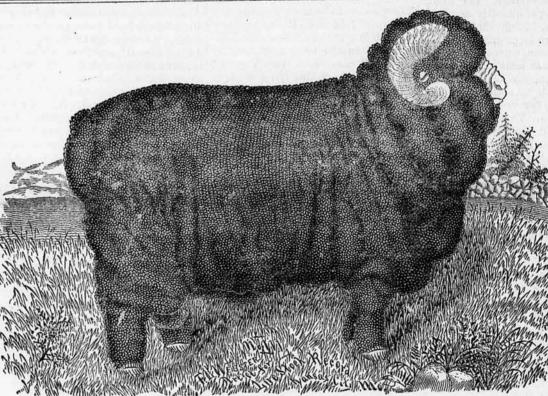
present. The sessions of this organization are necessarily secret, but the FARMER'S representative was courteously given the privilege of attending the session. The Central V. C. is made up from delegates from the subordinate vigilance committees and meets The quarterly. subordinates meet monthly. The officers elected for 1885 were: J.W. Bale, Humboldt, President; C. A. Cozine, Carlyle, Vice President; John Urquhardt, Secretary; J.B. Van Fossen, Treasurer.

This Vigilance Committee was organized in 1872. At that time horse stealing and other depredations occurred with great frequency, and as a

matter of protection the people were compelled to organize; and with such leaders as H. H. Haywood, of Allen county, Abe Smith, of Woodson, and J. J. Van Fossin, J. W. Bell and James Wilson, of Humboldt, the V. C.'s were organized in Allen, Woodson, Neosho and Greenwood counties, and now has a membership of about 250 in these counties. As soon as the thorough formation of this organization became known, stealing from farmers became a very rare occurrence. But one horse has been stolen from any of the members since that time, and the thief was caught and now languishes in the penitent'ary. The members composing the organization are a representative body of farmers. They spare no time or expense in securing any criminal who commits any depredations whatever on any of their members.

This has proven such a useful organization this has proven such a useful organization to the farmers of this section of the State that your correspondent commends such organizations to farmers elsewhere who may need protection. Organization for this and other interests of farmers is always in order. Humboldt, Kas.

Wood may acquire an oak, walnut, or cherry tree color by staining it with ordinary tincture of iodine diluted with spirit until the exact shade is obtained. White shellac must be added to the iodine solution of the stain is to be made permanent, or the wood after the stain is applied may be French polished. The iodine may be laid on with a rag or a brush.



REGISTERED MERINO RAM "JIM BLAINE" NO. 111.

Property of R. T. Mc Ulley & Bro., Lee's Summit, Mo. "Jim Blaine" won the first prize for best yearling ram at Bismarck Grove fair, September, 1834; also sweep-stakes prize for best ram of any age, in competition of 14 rams. Also at the Kansas State fair, Topeka, the 450 sweep-stakes prize for the best ram of any age, in competition with 18 rams. At Kansas City fair, first prize for best yearling ram. At Seedalia (Mo.) Exposition, first prize for best yearling ram. At Seedalia (Mo.) Classes and winning every premium shown for. The best record of any yearling ram in 1884. First fleece, 20 pounds.

Minnesota, and 27 49-100 per cent. lower than in Iowa.

In this connection we also present a sumTOPEKA, KAS., Feb. 5, 1885. mary of the financial statements, and the results of the last year's operations of Kan-sas roads, by companies operating in this

State.
Excluding the Union Pacific system, except the Kansas division, the railroads of Kansas are connected with systems of roads embracing 12,083 miles. The total amount of surplus earnings over expenses, taxes, rental and interest for the year ending June 30th, 1884, upon the 12,083 miles was \$7,455,309.87.
These earnings apply to 2.142 miles. 2.786

30th, 1884, upon the 12,083 miles was \$7,455,-309.87.

These earnings apply to 9,142 miles, 2.786 miles of which are operated in Kansas. The total amount of deficiency for the year applying to 2,941 miles of roads, 1,257 miles of which are operated in Kansas, was \$1,892,-304.25. Leaving a balance applicable to sinking funds and dividends the sum of 5,563,000.62.

The board are of the opinion that unless the price of wheat should recover from the present depression it will be necessary to still further reduce the rates of transportation of that product. It is, perhaps, at the present time, the most important product of the State. From it the railroads derive a large volume of traffic. It is neither to the interest of railroad companies nor of the people to permit the production of so valuable a cereal to languish. It is better to sustain the production, and maintain the volume it creates, if by a further reduction that can be done, than to discourage its cultivation and curtail the traffic. ivation and curtail the traffic.

Comparative statement of rates upon wheat and other grain in the States of Kansas, Wisconsin, Minnesota and Iowa:

OTHER GRAIN.

DISTANCE. (MILES)	Kansas.	Wisconsin.	Minnesota	Iowa.	Kansas.	Wisconsin.	Minnesota.	lowa.
10	5	6	7	61/2	41/2 5 51/2	6	7	51/2 6 7 8
20	6	6 7 8	8 9	61/2 8 9	5	6 7 8	7 8	6
80	7	8	9	8	516	8		7
40	7 7	16	10	0	6	10	0	8
50	8	11	11	110	6 7 7 8	1	11	9
60	8	12	12	1111	7	12	12	10
70	9	1314	13	121/	8	181%	13	11
80	91/9	141/2	14	1313	8	141%	14	12
9)	12	15	15	15	9	16	15	3
100	13	16	16	16	10	13	16	14
11	15	1614	16	16	111	161/2	16	16
1 0	15	17	16	18	121/2	17	6	16
130	16	18	17	18	12	18	17	1.6
149	161%	19	7	18	13	19	17	16
150	177	20	17	20	14	20	17	118
160	171/2	10	17	20	14	20	17	118
170	171/6	20	17	20	14	20	17	18
180			17	21	4	20	17	19
19)	18	2)	18	22	14	20	18	2)
200	18	22 22	18	23	14	22	18	2)
210	19	22	19	28	14	22	19	20
2 0	191/2	22	20	24 24	14	2 22 231/2	70	20
230	191/2	22	20	24	14	22	20	20
240	120	2314	20	25	14	231/2	10	20
250,	201/2	21	50	25	14	24	20	20
260	20%	25	20	25	14	5	20	20
270	201/2	25	50	25	14	25	20	20
280	201/2	26	20	25 25 25	14	26	20	20 20
290	21	28	20	25	14	28 28	20	20
800	122	128 .	120	125	14	128	20	1.0

The Stock Interest.

PUBLIC SALES OF FINE CATTLE. Dates claimed only for sales advertised in the

March 18—A. H. Lackey & Son, Short hor's, Peabody Kas. April 23 - Col. W. S. White, Sabetha, Kas., Shorthorns.

May 18 and 19—Jas. Richardson, Short horns, Kansas
City, Mo.

May 20.—Powells & Bennett, Short-horns, Independence, Mo.

May 22 and 22—Jas. E. Richardson, Kansas City, Mo.,
Short horns.

How to Secure the Health and Thrift of Swine.

The following is another of the prize essays written for the National Stockman. The author's name is not given.

The writer proposes to treat this subject under two heads, viz.:

1. The care and management.

2. The feed.

KANSAS FARMER.

(Concluded.)

Though circumstances may be such as to make it desirable to feed on the ground for a time, as when feeding corn on the stalks, yet in almost every other case it is better and more profitable to feed on a good floor. Here they can be assorted according to age, size, etc., and penned to best advantage. The feed can be given in proper quantity, and the feeder is able to determine what is eating his grain, which he cannot do when feeding on the ground, where the feed is shared, with great satisfaction, by a promiscuous assemblage of chickens, turkeys, geese, et al. Another item is to be considered in favor of feeding on a floor or in a house. There your hogs will get their feed entirely free from dirt, gravel, etc., while on the ground. These, with probably snow and mud. are more or less mixed with the feed. depending on the state of the weather. Another strong point in favor of housing hogs and feeding in house is the greater comfort and cleanliness. It is a well known fact that a hog can endure a degree of discomfort and bad treatment that no other domesticated animal can. Yet his constant squeal and dissatisfied grunt show in unmistakable language that it is not the way of his choice, but the law of necessity imposed by a short-sighted owner. No other animal is so intolerant of the raw edge of the wind, or the sleety blast, or the sharp, biting frost. No other animal has less natural protection whereby to withstand these adverse elements. Yet the porker is compelled to endure more than any other animal, notwithstanding the fact that the original hardy and robust form, in which he came from the creator, has been so changed and modified as to bring him upon the porcine stage, if a more profitable animal, still a tenderer, more sensitive one, and therefore requiring more humane treatment. Now, without considering favor of cooking is so small as not to this question from a humane standpoint, but from a dollar and cents view, the feeder has no choice of methods. In these days of low prices for almost all ration is not as wholesome a diet for farm products, it is not the large under- growing stock. This objection could be taking, the big sales, but the small obviated by the use of raw feed for one economies, the careful attention to little ration a day. matters, that enable the feeder to make a profitable showing to his balance a profitable showing to his balance to drink, at least one time in the day.

This is one of the best of preventives of the dead of the dead of the dead of the day and the finger. It is a liquid or snuff, but is easily applied with the finger. It gives relief at once, Soid by all the finger it gives relief at once and t headed feeder that if, when his hog disease. The writer believes that one Then start another lamb herd in the takes into his mouth a bite and a good of the contributing agents in causing so same place, by which time the first lot part thereof is dirt and perhaps worse, many cases of mortality among Western the dumb animal having no way of sep- herds is the compulsory use of surface arating them, then all must go into the or slough water for drink. The proof stomach for digestion together. This of this statement is in the fact that it is surely is not very profitable work for a often the case that a party who has ber is gotten together, treat as you did valuable hog to be doing for his owner. given his attention to securing pure Yet some one will say, "Earth is good water for his herd has been able to keep for hogs." The writer would only say them healthy for years, while his neighthis recalls the story of the man who bor who has neglected to do so has lest was kept too long on a diet of beef's periodically. liver, and objected. When asked, 'In the multitude of plans for hog-"Didn't you say you liked liver?" he houses in use over the land, the writer said, "Oh, yes! for eight or ten meals; submits only one which is equally well at least thirty or forty days, by which

dred it is too much like a steady diet." The question is briefly summed up. The stomach of the hog has enormous digestive power. Yet why should it be compelled to digest, along with its feed, that which cannot be any more than a useless tax on its powers? We must look on this question only with a view to secure the best profits. So viewed, the feeder has but one course to pursue.

A final and weighty reason for feeding in the house is the fact that the manure can all be saved. When fed out-of-doors this is to a large extent lost or at least not utilized. It is a well known scientific fact that the value of animal manure depends on the amount of grain in the ration. This being true. it follows that hog manure is the most valuable of all, in like bulks. This question of manure, being one of the most important that occupies the attention of the intelligent and progressive farmer, is fraught with equal interest to the feeder and breeder, as in most cases the farmer is the feeder and breeder, whose profits from his herds depend on the cost of the feed to a large extent.

PART SECOND-FEED.

There seems to be more unanimity in the views of feeders on the question of feed than in regard to the care and management. In the section of country including Pennsylvania, West Virginia, and Ohio and the States lying west, in the same latitude, the corn crop is so easily and profitably made, and at the same time so sure and prolific, that no other crop can nearly compete with it in cheapness and general adaptation as feed for hogs at any age. Over a large part of the corn belt named, forty to fifty bushels of shelled corn per acre are very common yields, and some who are following high farming claim full 50 per cent. more. While such crops are raised, feeders in all probability will continue to use corn as a main or the sole feed. In the opinion of the writer, while corn is the cheapest and best grain alone as a feed, yet in combination with some other kinds, for at least one ration a day, a more satisfactory result will be obtained. Chopped Tye, barley, wheat screenings, or mill stuff, may be used to make this change. In warm weather these can be used raw in the swill, and, if slightly fermented, do better. In cold weather much better results will be secured if these are scalded or steamed. . The opinions of feeders large and small are very much divided on the question of cooked feed or raw. Many think that the cooked ration yields the largest gain for the food consumed; yet when the additional cost of appliances for cooking and for the extra labor are taken into consideration, the margin in justify the undertaking. Again, it is by a class of feeders, that the cooked

but when it comes for ninety or a hun- adapted to use on a small or large scale. time the lambs will be well and fully

which a number of hogs are kept should be more than eight feet deep from front to wall, and for some reasons it should not be much less. The length of the pen depends on how many are to be quartered together. Generally ten feet is the outside limit; the writer prefers eight feet. A pen of these dimensions will hold eight to ten grown hogs. At the front of the pen should be an aisle about three and a half feet wide. The entrance to all the pens should be into this aisle, although, if the lay of the ground admits in building, each pen can have its own exit. Where a number of hogs are kept it is preferable, for looks and other reasons, to have two rows of pens and the aisle between. This would require a building about twenty feet wide. Where one keeps forty to fifty head he would then need a building about 20x30 feet, which gives a very good proportion.

The Lambing Season.

A lamb saved is a whole sheep started. and every one of them ought to be cared for and well. To do this, some preparation for the lambing season is needed. And whether one is on the range, or on an unfenced farm, or on ground in good condition to practice all the minor economies, special care is required at the lambing season, both as to the ewes and to the lambs.

An experienced farmer in Texas last year about this time wrote out some practical thoughts for his fellow farmers, and his letter was printed in the Texas Wool Grower. It is as follows:

Very soon the lambing season begins, when every sheepman should be ready in every particular. This is where the profits lie in sheep husbandry. As a rule the wool should pay the running expenses of the ranch, so that the lambs raised can be put on the credit side of the ledger. The importance then of handling the breeding ewes properly is manifest. When it can be done, we would advise flockmasters to run their ewes in bands of from 800 to 1,000 head. Select the most careful, intelligent and experienced hands to put with them. Avoid in every way any possible crowding in corrals at night, long drives on the range, or rough handling. See to it that the ewes have the advantage of the best range, access to pure water and all the salt they require. To every flock of breeding ewes there ought to be at least two extra hands beside the herder. If the ewes are bedded out at night, as soon as the lambs begin to drop, let the herd move off slowly each morning, of their own accord. Those having dropped lambs will remain as a general thing with them. Give them an hour or more to become acquainted with each other. then quietly gather into a bunch and claimed, apparently with good reason, drive to some convenient part of the range set apart for their use. Let an extra man follow the main herd to their range, to look after lambs dropped during the day. These he will gradually get together; drive slowly in the evenof lambs will be old enough to mark, dock and castrate. That is by the time they are from 8 to 10 days old. When the second lot of about the same numfirst bunch, and after a day or two throw together into one herd. This will give a flock of 500 to 600 head of ewes with their lambs. By the time the lambing is over there will then be two herds out of the original flock of 1,000. These should be kept separate,

For convenience and utility no pen in acquainted with their mothers. Then they can be thrown together and extra hands dispensed with. This plan may seem troublesome and expensive, but it is the kind of trouble and expense that pays the best returns.

> This rule will apply to a number of flocks as well as to only one.

We are not in favor of using corrals during the lambing season, if they can be done away with. We have tried the bedding out system, and found it to work well. If you have corrals, we would suggest the same way of handling ewes as mentioned above.

When a ewe loses her lamb it is an easy matter to get her to take another. Give her one of the twins of another ewe, as we are not an advocate of letting a ewe raise two lambs.

One good lamb is worth far more than two indifferent animals.

When you wish a ewe to adopt the lamb of another, catch her, take the lamb and rub it under the ewe's tail, or draw the milk with the hand and put it on the lamb's head. Then let the lamb suck a few times, giving the ewe every opportunity to smell it; or for convenience, place them in a small pen together until they become reconciled to each

In this way almost every time you will succeed in making the ewe adopt the lamb.

Another plan is simply to stake the ewe by tying a small string to the foreleg and fastened to a pin driven in the ground. Also, tie the lamb in such way as to allow it to get to the ewe whenever it wishes to suck. By watching them for a while you can readily determine the result of this experiment. After a while remove the lamb where the ewe cannot see it, but can hear its bleat; if she answers and manifests'a disposition to get to the lamb, you may rest satisfied that she has adopted it. Turn them into the flock, when you need have no fears that she will disown it.

In this way we have saved many lambs, thereby enabling us to count out a large percentage when the season is

America's Greatest Horse Dealer.

I. H. Dahlman, New York City, said: "I handle from 9,000 to 10,000 horses annually. I handle very few Clydesdales. The great proportion of the draft horses I sell are grade Percherons. They are docile, intelligent, easily broken, steady in harness, compactly built, standing work on the pavements better than any other breed."—Chicago Tribune. The introduction of French horses is largely due to M. W. Dunham, of Wayne, Ill., who has imported nearly 1,700 Percherons, over 600 of which have been purchased and imported within the past twelve months, nearly all of them being recorded with pedigrees in full in the Percheron Stud Book of France.

Judson W. Lyons, colored, has been admitted to the bar at Augusta, Ga. He is the third colored man thus admitted in that city since the war.

The Proprietors of Ely's Cream Balm do not claim it to be a cure all, but a sure remedy for

I have been a sufferer two years from catarrh or cold in the head, having distressing pain over or cold in the head, having distressing pain over my eyes. Gradually the disease worked down upon my lungs, my left ear was almost deaf, my voice was failing me. I procured one bottle of Ely's Cream Balm, and within five days my hearing was restored, the pain ceased over my eyes, and I am now enjoying good health I recommended it to some of my friends. One of them sent for a bottle. He told me that half of it cured him. My advice is to those suffering with catarrh or cold in the head not to delay but try Ely's Cream Balm, as it is a positive cure.—John H. Vansant, Sandy Hook, Eliott Co., Ky.

Gladstone is said to drink a quart of milk a day. It is to be presumed that he keeps a

One county in Australia last year paid bounty on over 25,000 dozens of sparrows'

In the Dairy.

Spurious Butter and Milk.

New York State has a Dairy Commissioner to look after adulterations and imitations of butter and milk. Below we give an extract from the Commissioner's report for 1884 as it was printed in the Country Gentleman:

The work was organized by appointing two assistant commissioners and sixteen chemists, experts and agents, at salaries varying from \$100 a month to \$3 a day. He had also the voluntary assistance of William K. Newton, the State Milk Inspector of New Jersey, who requested authority to act, on account of the great quantities of milk that pass from counties in this State to New Jersey markets.

The Commissioner first recounts his experience with dealers in bogus butter. All the artificial butter that was made. and on hand when the law under which he acted went into effect, he regarded as beyond his reach. In dealing with those who were clearly offenders against the law, the Commissioner laid the foundation for the standing in court by having some agent purchase the prohibited article from dealers, which was then taken to chemists and submitted to analysis. Thus prepared, the agent would make an affidavit setting forth the facts, upon which warrants for arrest would be obtained. The Commissioner says that while the District Attorneys, as a general thing, gave willing assistance in the prosecutions, he found it advisable to employ other attorneys, whose service would be acceptable to the local authorities. There have been during the year sixty arrests made for dealing in the illicit stuff. Of t ese, eleven convictions have been secured, forty of the defendants are under indictment or have chosen to be tried by special sessions, ten cases are still pending in police courts, and four have been discharged.

With reference to the beneficial results of the work, and the devices resorted to in order to evade the law, Commissioner Brown says: "I am assured by many merchants who are dealers in butter, and competent to speak on this subject, that as a result of these arrests and prosecutions, at least 80 per cent. of this unlawful traffic has been broken up. Quite recently large amounts of oleomargarine have been shipped to the interior cities and towns of this State by manufacturers in other States, and I am now engaged in augmenting the force of experts so as to try to prevent the sale of these goods. It is no offense to ship oleomargarine into or through the State, if it is not sold or offered for sale here. I think. however, that our interests would be promoted by some legislation regulating this business, and providing for checks of some kind to guard against and prevent sales of such goods within the State. There are a large number of the statute. So long as this bogus butket remains to be supplied, the temptamanufacture such goods within the S ate, or purchase them from manufacturers outside. In fact such consumer may himself order these goods from factories outside the State, and probably be guilty of no offense against the rich complexions and characteristic energy, present law."

The Commissioner recites also the case of restaurants where this false about these results. butter is placed on tables for general Philadelphia has seven public libraries, use, without attaching to it any specific containing one million books.

price to customers. He is unable to see how the proprietors can be reached under the law as it stands, because they do not really sell the article. The question of whether such subterfuge is an attempt to evade the law would have to be left to the jury. All violations of this statute, however, says the Commissioner, are misdemeanors, and for the second offense the guilty party must be imprisoned, and it is not at all certain the courts would not so strictly construe this law as to declare that such a transaction was not a violation of its provis-

The report is brief on adulterated cheese, because no complaint has reached the Commissioner about the manufacture or sale of such cheese. On the subject of milk the report is full, specific and valuable. The work performed in inspecting milk in that section of the State where milk is produced for shipment to New York, Brooklyn and vicinity is as follows: Number of inspections, 9.685; number of specimens of milk examined, 25.270; number of creameries inspected, 52; number of dairy farms inspected. 36; number of condensories, 6; the milk of 3,527 producers have been examined: 27 complaints have been made for violation of the law, and the offenders have been prosecuted. There have also been 107 analyses of milk made; 11 of condensed milk; 10 examinations for the detection of impure water added to milk; 1 analysis of milk for the detection of arsenic; 5 for soda and borax; 1 cow's stomach analyzed for arsenic, making a total of 135 analyses. The chemist has spent twenty days in court in expert work. The average amount of milk which should be examined from this section daily is as follows: 12.630 cans of milk; 194 cans of condensed milk. and 519 cans of cream; or yearly 4,1:6,111 cans of milk, 75,670 cans of condensed milk, 99.260 cans of cream, or calculating to milk, viz., 1 can of condensed milk equals 4 cans of milk, and 1 can of cream equals 4 cans of milk, we have as the total amount of milk which should be inspected every year, in this section alone, 4,835 6-3 40 quart cans, which equals 193,425.240 quarts.

Letters are published in the report from consumers and specialists strongly approving of the work of the State Commissioner. Dr. Bartley, of Brooklyn, asserts that the year's work has wrought an improvement of from 25 to 30 per cent. in that city, and Milk Inspector Newton, of New Jersey, says the work of five years in that State completely cured many of the worst evils in the milk trade in New Jersey. Adulterated and skimmed milk, he says, are almost unknown there.

The New York Tribune says: Hardmilking cows can be made to milk easier by wearing a smooth and well-oiled plug in the end of the teat for a day, or part of a day at a time. till the walls of the orifice give way a little. The plag should be large enough to stretch the boarding-house keepers who purchase hole but little The objections are: If artificial butter. It is not probable that the plug should be rough, or too large, in such cases these goods are sold by or worn too long at a time, the teat the proprietors within the meaning of would become sore, and if the orifice should become enlarged too much it ter can be made at about half the price would leak milk. There is a little, but of the genuine article and such a mar- very little danger, that the plug may get pushed into the teat by accident tation will continue to clandestinely where it could not be got out, or that it might otherwise cau-e harm to the teat.

America's Pride.

True American men and women by reason of their strong constitution, beautiful forms, are envied by all nations. It is the general use of Dr. Harter's Iron Tonic which brings

BREEDERS' DIRECTORY.

Circle of three times or less, will be inserted in the Breeder's Directory for \$10.00 per year, or \$5.00 for six months; each additional line, \$2.00 per year. A copy of the pawall be sens the advertiser during the continuance of the card.

CEDAR-CROFT HERD SHORT-HORNS. - E. C. Evans & Son, Propr's, Sedal's, Mo. Youngsters of O Evans & Son, Propr's, Secal'a, Mo Youngsters of the most popular families for sale. Also Brouze Tur-keys and Plymouth Book Chickens. Write or call at office of Dr. E. C. Evans, in city.

W. M. D. WARREN & CO., Maple Hill. Kas., im-porters and breeders of Red Polled Cattle. Stock for sale. Correspondence solicited. R. R. station, St. Marys. Kas. Marys, Kas.

DEXTER SEVERY & SON'S Le and, Ill, breeders or Thoroughbred Hoistein Cattle. Choice stock for sale, both sexes. Correspondence invited.

JOHNSON & WILLIAMS, Silver Lake, Kaa, breed-ers of Thorough ared Short-horn Ca tle. The herd numbers thirty head, with a Rose of Sharon bull at head.

OUST RATREAT FARM. Bacon & Campbell, Manchester, St. Louis Co., Mo., breeders of HOL-STEIN CATILE and PLYMOUTH RO K. FOWLS Holst-ins excel in milk, butter and beef. They are tall-purpose cattle. First-class stock for sale. Plymouth Rocks were the farmer's fowl. Pair, \$3.50; trio, \$5.00 eggs \$1.50 for 13

BROAD LAWN HERD of Short horns Robt Pat-ton Hamlin, Kas., Prop'r. Herd numbers about 120 head. Bulls and Cows for sale.

A LTAHAM HERD W. H. H. Cundiff. Pieacant A. Hill, Cass Co., Mo., has fashionable bred Short born Bulls for sale. Among then are two R. see of Sharons and one aged show bull. None but the very best allowed to go out from this berd; all others are castrated

U. P. BENNETT & MON. Lee's Summit, Mo., breed-ers of Thoroughberd Short-Hom Cattle, Conswold sheep, berkshire awine, Bronze tarkeys and Plymouth Rock chickens In-pection invited.

POWELL BROS., Lee's Summit (Jackson Co.) Mo. breeders of Short-horn Cattle and pure-bred Poland-' hina swine and Plymouth Rock Fowls. Stock for sale. Mention this paper.

W. A. POWFLL, Lee's summit, Mo., breeder of the Poverty Hill herd of Tooroughbred short-horn Cattle. Inspection and correspondence solicited.

WA: NUT PARK FARM Frank Playter, Prop'r.
Wainut Crawford Co., Kas The largest herd of
Short-h-rn cattle in Southern Kansas. Stock for sale.
Correspondence invited.

A. HAMILTON, Butler, Mo., Thoroughbred Gallo-way cattle and calves out of Short-horn cows by Galloway bulls for sale.

J. W. LILLARD, Nevada, Mo., Breeder of Thor.
J. OUGHBRED SHORT-HORNS. A Young Mary bull at need of herd. Young Stock for tale. Satisfaction guaranteed

OAK WOOD HERD C. 8 Eichholtz, Wichita, Ka Live Stock Auctioneeer and breeder of Thorough-bred Short-hoin Cattle,

Hereford Cattle.

S (RCOXIE HEREF)RD HERD. J. Gordon Gibb, Lawr-nee, Kas., importer and breeder of Hereford Cattle Stock for sale

E. S. SHOCKEY, Early Dawn Herefold Herd, Law-grade Herefort cat le.

CATTLE AND SWINE.

CLENVIEW FARM, G. A. Leude Humboldt, Kas., breens Short, Jorn Cattle and Poland-China Swine. A so Swidle and Harness Houses.

SHOWT-HORN PARK, containing 2,000 acres, for sale. Also, Short-horn Cattle and Registered Poland-Coins. Young stock for sale.

Dole, Canton, McPherson Co., Kas.

WOODSIDE STOCK FARM. F. M. Neal, Pleasant Run, Pottawatomie Co., Ks., breeder of Thor-oughbred Short-horn cassie, Cotswold sheep, Poland-Chins and Berkshire hoge. Young stock for sale.

J. E. GUILD, CAPITAL VIEW STOCK FARM, Silver Lake, Kansas, Breeder of THOROUGH-BRED SHORT-HORN CATTLE and POLAND-CHINA SWINE, Correspondence solicited.

DR. A. M. EIDSON, Reading Lyon Co., Kas., makes a specialty of the breeding and sale of thoroughbred and high-grade short-horn Cattle, Hamblet nian Horses of the most fashionable strain, pure-bred Jersey Red Hogs and Jersey Cattle.

COTTONWOOD FARM HERDS,

J. J. Mails, Manhattan, Kansas, Breeder and shipper of Short-horn Cattle and BERKSHIRE SWINE Orders promptly filled by express. The farm is four miles east of Manhattan, north

SHEEP.



E. COPLAND & SON, Douglass, Kansas,

Breeders of In proved American Merino Sheep. The flock is re-markable for size, constitution and markable for sig Ruck a specialty.

G. B. BOTHWELL. Breckenringe, Mo., has 1,100 Merino rams for sale. 250 of them are registered. Hiss ven best stock rams shear from 27 lbs. to 33 los. weigh from 145 lbs. to 180 lbs.

C. F. HARDICK & SON, Louisville, Kansas, breed-REGISTERED AMERICAN MERINO SHEEP,

Having good constitution and an even fleece of fine,

A. F. WILLMARTH & CO., Ellsworth, Kas., breed-er of Registered Spanish Mer no Sheep. "Wooly Hear" 55 at head of flock. Choice rams for sale. Sat-isfaction guaranteed.

MERINO SHEEP, Berkshir-hogs and fifteen varies of high-class pontry of the best strains Bucks a specialty Harry McCullough, Fayette, Mo.

A. J. CARPENTER, M. lford, Kansas, breeder of Thoroughbred Poland-China Swine, Stock for ale, Inspection and correspondence invited.

SWINE.

F. M. ROOKS & CO., Burlingame, Kas., importers and breeders of Recorded Poland China and Large Berkshire Swine. Bree-ing stock the choicest from the best herds in seven States. I have special rates by express. Write.

V. B. HOWEY Torcka, Kas, breeder of the finest strains of Poland-China Swine, for sale. Inspection desires. Correspon ence invited. Blood of 10m Corsin 2d No. 2037. Hoosler Tom 1625 Brave 3377. Give or Take 1685. Got sweepstakes on 8 out of 9 at Kansas what chir 1884. or Take 1585. State fair 1884.

State (all 1907).

C. H. TODD, Wakeman, Obio, breeder of Recorded
C. Premium Chester White Swine and Imported
Shropshire Down Sheep. Send for circular with price
list and particulars. R pays to get the b-st.

J. A. DAVIDSON, Richmond, Franklin Co., Kas., breeder of Poland-China Swine. 170 head in herd. Recorded in A. and O. P.-C. R. Carl or write.

L. WHIPPLE, Uttawa, Kas., breeder of Recorded Poland-Uhina and Red Berkshire swine. Stock for sale at all seasons. Correspondence solicited

CATALPA GROVE STUCK FARM. J. W. Arnold Louisville, Kansas, breeds Recorded

POLAND-CHINA SWINE AND MERINO SHEEP.

The swine are of the Give or Take, Perfection, and other fashionable strains. Stock for sa e in pairs not related. Invite correspondence or inspection of stock,

ROBERT COOK, I-la, Allen county, Kansas, importer and breeder of Poland-China Hoge, Pisswarranted first-class. Write.

POULTRY.

A SUPERIOR LOT OF MAMMOTH REONZE TUR-keys at \$3 each, \$5 per trie, and Plymouth buck Chickens at \$2 each, \$6 per trie, for sale by H. V. Puga-ley, Plattaburg, Mo.

W. J. McCollet, Waveland, Shawner Co., Kaneas, breeds Bronze Turkeys, Light Branmas, Plymouth Rocks, Buff Cochins, and Fevin Bucks. Bronze Turkeys for sale cheap before holidays.

PAIRVIEW POULTRY YARDS. Nrs. C. Taggart, Parsons, Kas., breeder of L. and D. Brahmas, B. Leghorns, Houdans, Plymouth Rocks, Laugshans, P. Ouchins, G. L. Bantams, Wyandottes and B. B. R. Games, Send for price list.

W. M. WIGHTMAN, Ottawa, Kausas, breeder of high-class poultry—White and Brown Leghorns and Butl Cochins. Eggs, \$2.00 for thirteen.

N. Poultry, Leavenworth, Kausas. Send for cir-

NEOSHO VALLEY POLLTRY YARDS - Estab-lish-d, 1870 Pure bred Light Brasmas, Partridge Cochins, Plymouth Rocks, Egg-in season, stock in fall, Write for prices. Wm. Hammond, box 180, Emporis, Ka,

CROUND OYSTER SHELL'S FOR "ALE. I five pounds, 5 cents per pound; 25 pounds, 4 cents per pound; 200 pounds, 35 cent a per pound. It is the best egg-producer known. Give it a trial and beconviced to its merits less Pure Plymouth Rock Eggs for sale—\$25 for 13; 33.50 tor 28. G. H. Flutham, 71 Kline avenue. Topeks, Kas.

MISCELLANEOUS

PROSPECT FARM.—H. W. McAfee. Topeka Ras, For sale cheap is registered whort horn bulls, 1 to 3 years old. Also, Clydes ale horses

J. G. D. CAMPBELL, Junction City, K. 1888, Liv J., Stock Auctionner. Sales made in any part of th United States. Satisfactory reference given.

C. A. SAWYER Mannattan, Kas., live Stock Aus-tion-er. Sales made in all the states and Canada, Good reference. Have full sets of Herd Books. Com-piles catalogues.

Agricultural Books,

At Publishers' Prices, Postage Paid.

T. J. KELLAM. 183 Kansas Ave., Topeka, Kansas.

Mt. Pleasant Stock Farm Colony, Anderson Co., Kansas,

J.S. HAWES



Importer and Breeder of

HEREFORD Cattle.

I mave one of the largest herds of these famous cattle in the country, numbering about 200 head. Many are from the noted English breeters, T. J. Carractine, J. B. Green, B. Ro., ers, W. S. Powell, Warren Evans and P. Turner. The bulls in service are "FORTINE," sweepstakes bull with five of "is get at Kausas State Fairs 18-2 and 18-3; Imp. 'Lord W. Iton'' will "SIR EVELYN" own brother to "Sir Bartle Frere" imp. 'DAUPHIN 19th," balt brother to T. L. Miller Co., on "Dauphin 18th;" and "THE GROVE 4th," by "The Grove 3d."

To parties wisning to start a Herd I will give very low figures. Write or come.

THE LINWOOD HERD

SI



W. A. BARRIS, Linwood, Kansas W. A. HARRIS, Linwood, Kanras,
The herd is composed of Victorias, Violets, Lavenders Brawith Buds, Secrets and others from
the cel-brated herd of A Cruickshank, Sittyton, Aberdeenshire, Scotland, Golden Drops and Trys, descended from the r-nowned herd of S, Campbell
Kinellar, Aberdeenshire, Scotland, Also Youns
Marys, Young Phyllises, Lady Elizabeths, etc.
Imp. Baros Victors 4224, bred by Cruickshank, and
Imp. Double Gloster head the herd.

AT Linwood, Leavenworth Co, Kaa, is on the U. P.
R. B., 27 miles west of Kanras City Ferm Joins
tion, Catalogues on application, Insection 1985.

Correspondence.

Culture of Artichokes.

Kansas Farmer:

At your request I reply to Mr. Patton on artichokes.

I planted the White Jerusalem three years ago. The same as I do potatoes. Use 12 or 14-inch plow. Plant in every third furrow on furrow side, running the plow at 3 or 4 inches deep. Cut seed in one or three eyes each and drop 10 to 12 inches apart in rows; cultivated the same as potatoes.

Hy hogs harvest the crop between October 1st and May 1st. I consider my 4 acres of artichokes worth as much or more than any other 4 acres on the farm for hogs and calves. It costs nothing to harvest.

D. C. BEVERLY.

Poplar X Roads, Osage Co.

From Edwards County.

Kansas Farmer:

Nearly every one in this locality raised last season an unusual quantity of feed, and so far all of the stock here is doing well. There are, however, some lots brought in last summer from Missouri and other localities, where the losses have been very heavysay one-fourth of the entire number, mainly on account of the extensive fires shortening the range and sending the cattle into the winter in poor condition, superadding insufficient shelter and lack of feed. Some herds having been fed grain and rough feed regularly during the bad weather, are in better condition than at beginning of winter.

Two days ago a gentleman from Comanche was at my place. He reports some losses on the range already and large losses as unavoidable, and says the "strongest are ruling and immense loss is very certain." may be set down as conclusive. Belly, shelter, and a wind-break cattle must have to go through a Kansas winter.

JAMES M. LEWIS.

Castor Bean Culture.

Kansas Farmer:

I here give my experience in castor bean culture for the last ten years. Average per acre, 10 bushels. Average price, \$1 per bushel. One hand can take care of 8 acres of beans here if he will put in all his time from the last weeks in July till the frosts kill the beans in the fall. This makes \$80 for his summer's work.

Now, the same cultivation given to corn here will make 35 bushels per acre, and 30 acres one man's work; 1050 bushels at 25 cents per bushel, \$262.50 for his summer's work, and he also has the busy months of July, August, September and October in which to do other kinds of work.

Where the chintz bugs take other crops it is best to plant castor beans; but the high price paid for beans last fall will cause so many to be planted that I look for the price to be down again to about 60 cents per bushel. I have had children to gather them, but find it the cheapest to employ

good, experienced hands.

JOHN UMHOLS.

Nashville, Barton Co., Mo.

Let the Road Law Alone.

Kansas Farmer:

We have gone through one of the coldest Januaries ever experienced. On New Year's morning the thermometer was 14 deg. below zero on our porch facing the south. This killed the peach buds. But February has opened most beautifully. The snow is

I would say a word against the proposed to see both sides before passing on it. I admit that farmers are generally busy on their farms, and I also admit that contractors who follow the business can provide themselves with better tools; yet it must be admitted, too, that the farmers who work on the roads that they use, will put in more faithful work than laborers who are less interested in the road. We see them put in not only their days and hours faithfully, made out of seine or macrame cord. You but often add some volunteer work on their will have to make your own netting needle roads. The experience in other States, as out of a piece of wood, say nine inches long satisfaction that the proposed change will each end cut deep notches similar to that of a netting needle. Make mesh to correspond, only do not notch at ends. The wood used should be perfectly smooth.

1 8

ger of favoritism and jobbery. The lawyers -which, I presume, constitute a large percentage of our legislators-may understand best how to draw up a bill; but the farmers know better how to work highways and trim hedges; and these subjects should not be meddled with by our legislature.

H. F. MELLENBRUCH.

Hiawatha, Brown Co. P. S. 25 cents per bushel has started much of the surplus corn on the way to

Millet For Farm Stock.

Kansas Farmer:

In spite of the hard winter, but little stock, and that mostly horses, has been lost in this part of the country.

Farmers here do not, as a rule, depend apon their stalk fields to furnish all of the feed for their cattle, but give them at least one feed of millet or sorghum every day. I have never known of any cattle dying when fed in this way if well supplied with water, although I have known of a number dying from impaction of the third stomach when fed upon sorghum and straw without plenty of water.

There is no doubt existing in my mind but what millet is a valuable article of food, especially for the purpose of keeping the digestive organs open and active. It has been much abused by many, because animals designed for work were weak, sweated easily and sometimes died when fed exclusively upon it. There is no doubt that it injuriously affects the urinary organs when fed, especially to horses, in large quantities; but the man who keeps his eyes open can readily distinguish between the use and the abuse of any article of food. This reminds me of a man who lost a very fine horse near here while coming up from Medicine Lodge with a load of posts. This horse was slightly out of condition, and some one advised a condition powder composed of more than half black antimony. Of this he gave six tablespoonfuls a day until the horse died and then wondered what killed him.

I have generally been able to save cattle suffering from impaction of the third stomach by drenching with 11/2 pounds salts dissolved in 2 quarts warm water and then giving all the bran and linseed meal that the animal would eat. This will answer if the disease is taken in time. The man who can not see what is the matter, under ordinary circumstances, with his stock, had better get out of the business. DAN. F.

The Cornstalk Question.

Kansas Farmer:

As there seems to be a good many cattle dying from the effects of stalks or something it is an important subject. I would like to know what good it will do to feed millet to cattle running in stalks. Is it because the men that have fed millet have not lost any cattle, or what is it? Give us the reason. Now I will give you my remedy and give you the reason. Cut up plenty of fodder and feed your cattle plenty of fodder and plenty of corn for a while before turning into the stalks; by so doing there is no change of feed.

A good many turn cattle out into stalks when the cattle have had nothing but a little straw or a little hay; and when the cattle go out into the stalks they exercise more than when standing in a lot, and they will eat more. I have never lost any cattle by turning in stalks, and I always feed plenty of fodder in the fall after taking off grass and before turning into stalks; and when I disappearing so fast that the creeks are throw it on the ground and gather the am gathering corn I break off the smut and mouldy ears to burn. My cattle will eat smut if Mr. Tanner's will not. I never saw tors will examine the subject carefully so as what was better than any standing stalks, no matter how much rain. When there is rain enough to spoil a shock of corn, I feel sorry for the standing stalks. I have fodder that stood the October rains and the warm weather and is still in good shape; but I do not wait for my fodder to get ripe before I cut it. .

At a little expense a hammock may be well as other contract labor, proves to my and about one and a half inches wide. At

EXCITEMENT IN ROCHESTER.

Wide pread Commotion Caused by that Remarkable Statement of a Physician.

The story published in these columns recently, from the Rochester, N. Y., Democrat, created a deal of comment here as it has elsewhere. Apparently it caused even more commotion in Rochester, as the following from the same paper shows:

Dr. J. B. Henion, who is well-known not only in Rochester but in nearly every part of America, sent an extended article to this paper, a few days ago which was duly published, detailing his remarkable experience and rescue from what seemed to be certain death. It would be impossible to enumerate the personal enquiries which have been made at our office as to the validity of the article, but they have been so numerous that further investigation of the subject was deemed an editorial necessity.

With this end in view a representative of this paper called on Dr. Henion at his residence on Andrews street, when the following interview occurred: "That article of yours, Doctor, has created quite a whirlwind. Are the statements about the terrible condition you were in, and the way you

were rescued such as you can sustain?" "Every one of them and many additional ones. I was brought so low by neglecting the first and most simple symptoms. I did not think I was sick. It is true I had frequent headaches; felt tired most of the time; could eat nothing one day and was ravenous the next; felt dull pains and my stomach was out of order, but I did not think it meant anything serious. The medical profession have been treating symptoms instead of disease for years, and it is high time it ceased. The symptoms I have just mentioned or any unusual action or irritation of the water channels indicate the approach of kidney disease more than a cough announces the coming of consumption. We do not treat the cough, but try to help the lungs. We should not waste our time trying to relieve the headache, pains about the body or other symptoms, but go di.ectly to the kidneys, the source of most of these ailments."

"This, then, is what you meant when you said that more than one-half the deaths which occur arise from Bright's disease, is it Doctor?"

"Precisely. Thousands of diseases are torturing people to-day, which in reality are Bright's disease in some of its many forms. It is a nydra-headed monster, and the slightest symptoms should strike terror to every one who has them. I can look back and recall hundreds of deaths which physicians declared at the time were caused by paralysis, apoplexy, heart disease, pneumonia, malarial fever and other common complaints which I see now were caused by Bright's disease."

"And did all these cases have simple symptoms at first?"

"Every one of them, and might have been cured as I was by the timely use of the same remedy. I am getting my eyes thoroughly opened in this matter and think I am helping others to see the facts and their possible danger also."

Mr. Warner was visited at his establishment on North St. Paul street. At first he was inclined to be reticent, but learning that the information desired was about Bright's disease, his manner changed instantly and he spoke very earnestly:

"It is true that Bright's disease had increased wonderfully, and we find, by reliable statistics, that from '70 to '80, its growth was over 250 per cent. Look at the prominent men it has carried off: Everett, Sumevery week the papers record the death of some prominent man from this scourge. Recently, however, the increase has been checked and I attribute this to the general use of my remedy."

"Do you think many people are afflicted with it to-day who do not realize it, Mr. Warner?"

"A prominent professor in a New Orleans medical college was lecturing before his class on the subject of Bright's disease. He had various fluids under microscopic analysis and was showing the students what the indications of this terrible malady were. 'And now, gentlemen,' he said, 'as we have seen the unhealthy indications I will show

you how it appears in a state of perfect health,' and he submitted his own fluid to the usual test. As he watched the results his countenance suddenly changed-his color and command both left him and in a trembling voice he said: 'Gentlemen, I have made a painfu discovery; I have Bright's disease of the kidneys.' And in less than a year he was dead. The slightest indications of any kidney difficulty should be enough to strike terror to any one.

"You know of Dr. Henion's case?"

"Yes, I have both read and heard of it." "It is very wonderf.d, is it not?"

"No more so than a great many others that have come to my notice as having been cured by the same means."

"You believe then that Bright's disease can be cured."

"I know it can. I know it from my own and the experience of thousands of prominent persons who were given up to die by both their physicians and friends."

"You speak of your own experience, what

"A fearful one. I had felt languid and unfit for business for years. But I did not know what ailed me. When, however, I found it was kidney difficulty I thought there was little hope and so did the doctors. I have since learned that one of the physicians of this city pointed me out to a gentle-man on the street one day, saying: 'There goes a man who will be dead within a year.' I believe his words would have proved true if I had not providentially used the remedy now known as Warner's Safe Cure."

Dr. S. A. Lattimore, although busily engaged upon some matters connected with the State Board of Health, of which he is one of the analysts, courteously answered the questions that were propounded him:

"Did you make a chemical analysis of the case of Mr. H. H. Warner some three years ago. Doctor?"

"Yes, sir."

"What did this analysis show you?" "The presence of albumen and tube casts in great abundance."

"And what did the symptoms indicate?" "A serious disease of the kidneys."

"Did you think Mr. Warner could recover?" "No, sir. I did not think it possible." "Do you know anything about the remedy

which cured him?"

"Yes. I have chemically analyzed it and find it pure and harmless."

We publish the foregoing statements in view of the commotion which the publicity of Dr. Henion's article has caused and to meet the protestations which have been made. The doctor was cured four years ago and is well and attending to his professional duties to-day. The standing of Dr. Henion, Mr. Warner and Dr. Lattimore in the community is beyond question and the statements they make, cannot for a moment be doubted. Dr. Henion's experience shows that Bright's disease of the kidneys is one of the most deceptive and dangerous of all diseases, that it is exceedingly common, and that it can be cured.

Conch shells filled with earth make a pretty receiver for growing plants. Air plant thrives well arranged thus, as it requires but little earth. If you wish to plant ferns in such shelfs, and particularly if the shells are small, it is well to mix the soil with sand, as it retains the moisture.

A CHEAP AND SUBSTANTIAL FENCE.—We will announce to the readers of the Kansas FARMER that we are still manufacturing Frye's Combination Fence, which gave such good satisfaction last year. We are prepared now to fill all orders at short notice. Write for circular and price list to

DEMING & RENCH Second St., cor. Kansas Ave., Topeka.

"There goes Mr. Rust down the street; he must be sick, he doesn't look well at all and his coat hangs very loosely about him." 'Ah! He surely has a very bad fit indeed, if his coat don't set well."

We call special attention to F. E. Marsh's advertisement in our two-cent column of this

What a world of gossip would be prevented if it was only remembered that a person who tells you of the faults of others intends to tell others of your faults.

To all who are needing good horses and jacks, we call special attention to the John Carson advertisement in our columns.

Gossip About Stock.

The loss of cattle on the plains in cold Kansas Farmer: storms of January was very great.

N. H. Gentry, Sedalia, Mo., shipped fourteen head of Berkshires to New Orleans Exposition.

Cattle in Indian Territory have suffered more this winter, probably, from cold than ever before, except only where they had shelter or good protection against the winds.

E. A. Smith, Lawrence, writes: Mr. R. W. Ludington, of this place, sold last week to R. G. Webster, Denver, Col., Alice Almont, a three-year-old filley, by Almont Pilot (763), dam by Erie, son of Hogland's Gray Messenger. Price \$1,000.

Miller Brothers, Junction City, write: We have slaughtered our yearling sow Octoroon, and after being killed twenty hours, she shrunk but 40 lbs. from her live weight, or about 8 lbs. to the hundredweight. Live weight 520 lbs., dead weight 480 lbs., loss 40 Will some one undertake to beat this? If they succeed we will try once more; yet we doubt if we ever raise her superior in

A New Mexico paper says that the loco weed poison is a worm. It says that a Mr. Wilbourne claims to have found on the weed a small egg, which he thinks is deposited there by some insect, and on being taken into the stomach of animals, forms what is known as the "thread worm," the effect of which injures the brain and causes spasms, and finally death. He has examined several head of horses the past season that died from loco weed, and found them literally alive in the stomach and intestines with worms. A tablespoonful of copperas, given to a horse will, if not too far gone, effect a cure; and if horses have plenty of salt and copperas put at convenient places on their ranges, so they can lick it whenever they want it, there is no danger from loco, and they may graze on it every day in the year.

The Cowboy says: I. P. Olive has just returned from the range of the Smoky Hill Cattle Pool, where he is having wintered over a thousand head of cattle. He rode for five days over the range and says he saw only sixty head of dead cattle. As there are about 12,000 head in the pool, this loss is trifling.—R. E. Steele, foreman of the Cimarron and Crooked Creek Cattle company, was in the city a few days ago. He gave an encouraging report of the cattle condition and outlook on his range. No losses worth considering have occurred there this winter.—John Magee, of the Cheyenne reservation ranch (ZII), was in the city last Friday. There are 12,000 head of cattle on this ranch, which are handled by twelve men. The losses thus far have been light. The Indians are troublesome and cause stockmen a great deal of annoyance.-Cattle on the upper Pawnee, in the neighborhood of Cowland, Hodgeman county, are getting along swimmingly. No serious losses reported. The herds of John Bull, E. E. Evans and Carter & Castlebury are in good shape. There were damaging fires on the range in that neighborhood last fall and the loco weed was alarmingly prevalent, but notwithstanding these drawbacks, cattle have managed to rustle through the winter thus far with unprecedented success.-Cattle in the section of country known as "No Man's Land" have faced the icy breath of winter thus far with heroism and safety. They are in better condition now than they were a year ago. Word has been received from the ranges of the Hardesty Brothers, Beverly Brothers and Ludwick Kramer & Sons. Their cattle are all right and the losses reported are not worth mentioning. There are 40,000 head on those ranges.

How to Make Gilt-Edged Butter.

For many years past the foremost manufacturers of Butter Color in the world have been Messrs. Wells, Richardson & Co. Their reputation as skillful chemists and reliable manufacturers is second to none. Doing a business of a million dollars a year in this and other things, they have achieved a very high position for strict reliability and integrity.

This world and the next resemble the east and the west; you cannot draw near to one without turning your back on the other.

The tom-cat may be called our greatest poet. He is always making the most of his Proper Food For Rats.

I once saw a statement that Plaster of Paris was good for rats, and during last December these rodents came to my premises in such numbers that it became necessary to lay in a stock of provisions specially suited to their needs, which I proceeded to do as follows: I bought a nickle's worth of Plaster of Paris at a drug store, then filled a teacup % full of corn-meal, added a heaping teaspoonful of Plaster and a few cheese crun bs, stirred thoroughly, and put in a pan which I set in my stable. The next morning the whole was gone. The dish was replenished in the same way each morning for about a week, when about half of the meal was left; and although left in the stable for several days, no more was eaten. I have not seen any rat indications about my premises since and I presume that all rats which partook have gone into the plaster toy business.

If any of your readers want to feed their rats proper food, let them try the above, always remembering that the mess must be kept dry. G. A. HURON.

Topeka.

From Cloud County.

Kansas Farmer:

Your valuable paper has given us encouragement to give the Polled Angus a fair trial. They certainly have many fine qualities.

There is considerable corn in this vicinity not gathered. The snow is melting away fast these pleasant days. Prices are improving, and we are more hopeful and will continue to sell and pay as we go as much as possible. It is the opinion of our merchants that farmers will be nearly out of debt on store accounts by May 1st.

WM. RUSSELL. Halfway, Cloud Co., Kas.

The Wabash railway will sell round trip tickets to Washington, D. C., to witness the inauguration ceremonies. There is no doubt but that President Cleveland desires everybody to go via the Great Wabash route. The inaugural trains will leave Kansas City on February 28th, March 1st, 2d and 3d.

Grace teaches us, in the midst of life's greatest comforts, to be willing to die, and in the midst of its greatest crosses to be willing to live.

The Famous Manufacture company, Quincy, Ill., report having a very good trade on their Champion Continual Double-acting

SHORT-HORN SALE

At BEATRICE, GAGE CO., Nebraska, On Thursday, Feb. 26, 1885. 35 hear of Short-horn Cattle, of good heesing and choice individual merit, 22 Cows and Heifers and 13 Young Bulls and Bull Calves. A credit of 8 months on apar ved note. Interest at 10 per cent. Address us at Beatrice for catalogue

J. R. CRUMPACKER & Son, Washington, Iowa. —THE—

Lexington Combination

Will sell at LEXINGTON, KY.,

FEBRUARY 17 and 18 One Hundred and Twenty-five Head

TROTTING AND SADDLE-BRED STOCK.

Track horses ranging down to 2:20 Roadsters Coach and Barouche Horses; High-bred Stallions and Brood Mares, the get of George Wilkes Dictator, Almont, Mambrino Patchen, Woodford Mambrino, Harold, Cuyler, Alcantara, Alcyone, Young Jim, Washington Denmark, Cromwell's Denmark, etc. Also Jacks and Jennets.
Send for catalogue to THE LEXINGTON COM-

BINATION SALE CO., Lexington, Ky.

W. R. BRASSFIELD. N R. E. EDMONSON, Auctioneer.

HEREFORD CATTLE

THOROUJHBRED BULLS and HIGH-GRADE BULLS and HEIFERS for sale. Inquiries promptly answered.

WALTER MORGAN & SON,

Irving, Marshall Co., Kansas.

BERKSHIRES FOR SALE.

My entire herd for sale—as good as can be found in the United States—for thirty days, at one-half their value. Write for catalogue and price-list to J. BAKEE SAPP, Columbia, Mo.

LA MASTER & FERGUSON'S

REMEDY!

A Sure Cure and Preventive of

Cholera! Hog

WHAT THE REMEDY WILL DO:

twill put your hogs in fine condition.
will improve their appetite.
stops coughing among hogs.
regulates the bowels, and arrests disease in every

WHAT THE REMEDY HAS DONE:

LAMASTER & FERGUSON—Sirs: After losing eighty head of hogs by cholera, I began using your kemedy, and can say it has checked the disease and entrely cured many of the sick ones I heartily recommend it not only as a preventive but a cure. My hogs are all doing well. Yours, &c., H. H. STANTON.

Prop'r Pacinc Hotel.

#39" We guarantee this Remedy to be superior to any Hog Medicine, and we are ready to prove it by a prac-tical test. Ask your druggist for it or send direct to us. Take no other.

Take no other.

One and a half pound Trial Package, sent for \$1.00.

Ten-ound can, 6c cts per pound. Spounds for \$12.50.

Write for circular and Treatise on Hog Cholera.

Address La MASTER & FERGUSON.

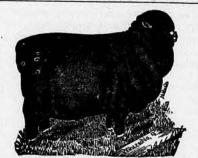
AGENTS WANTED.

Topeka, Kansas.

BURNS

Hog Cholera & Quinsy Cure. Not Only a Preventive but a Sure Cure.

To introduce this remedy, I will on receipt of \$1.00 and 16c. for postage, send one package of the above medicine, and guarantee it to cure four hogs of the above diseases, or 25 chickens of Cholera, or I will re fund the money. Price, \$1.00 a package or \$10.00 a dozen. For testimonials, address WM. McK. Burns Concordia, Kas.



PRINCESS. - Third fleece, 261/2.lbs.; fourth fleece, 261/2

R. T. McCulley & Bro., LEE'S SUMMIT, JACKSON CO., MO.,

Breeders of PURE SPANISH MERINO SHEEP-Vermont Register 400 Rams unequaled for length and quality of staple, constitution and weight of facer; 240 selected by R. T. from the leading flocks of Vermont, especially for retail trade. The line of blood, coupled with the high character they possess, insures a reproduction of their excellent qualities. At prices to correspond with wool.

with the high character truey process, the prices to cor-duction of their excellent qualities. At prices to cor-respond with wool.

ALSO, Light Brahma and Plymouth Rock Chickens and Bronze Turkeys All orders promptly filled and satisfaction guaranteed. Catalogue free.

THREE

SHORT-HORN

Bulls!

Good Ones.

For Prices and Pedigrees, write to

J. C. STONE, Jr., Leavenworth, Kas.

INCUBATOR.

JACOB YOST, the Inventor and Manufacturer of the

Kansas Economy Incubator. offers to manufacture and sell them at the following low prices, with full instructions:

No. 1, 100-Egg capacity, \$12; No. 2, 150 \$15; No. 3, 250, \$20.

S15; No. 3, 250, \$20.

Or, on receipt of 50 cents, he will furnish a book containing directions how to make and use this incubator. Also how to make a good brooder to mother the chicks, and what and how to feed them to make them ready for market in 8 or 10 weeks; also, how to mauage your hens to keep them laying all winter, as well as how to prevent disease; besides a sure cure for roup and cholera

This incubator is a success. I have hatched 75 per cent. of the pgs without testing, and raised 90 per cent. of the chicks with my Brooder.

Address

P. O. box 818, North Topeks, Kas.

TO KANSAS FARMERS AND RANCHERS

We have correspondents in the Eastern States and special facilities for handling

KANSAS FARMS AND RANCHES. If you have a Farm or Ranch to sell or exchange, send complete description. Address

Kansas City Real Estate and Loan Ass'n Room 29 Sheidley Building, KANSAS CITY, MO.

IVERS&POND **PIANOS**

Beauty of Tone, Elegance of Finish,

THOROUGHNESS of CONSTRUCTION.

The IVERS & POND PIANOS are the result of the most extended experience, greatest skill and ample capital. Eighty of these pianos have been purchased and are in daily use by the New England Conscrutory of Music, the most important musical college in the world. in the world.

Sold by responsible Dealers everywhere throughout the United States.

Fully Warranted for Five Years. Illustrated catalogue furnished free on application.

GENERAL WARE-ROOMS, 597 Washington St., Boston, Mass.

WILSON'S CREAME

GOOD AGENTS for Circulars &c. WILSON CHURN.

FLINT CABINET CREAMERY CO. ENGL.

ROCKFORDWATCHES



BEST for all uses in which close time and durability are requisites. Sold in principal cities and towns by the COM-PANY'S exclusive Agents of the company of

WELLS, RICHARDSON & CO'S NEW IMPROVED

BUTTER used by best Cream-COLOR est, the Purest, the Eligibles and the Best. IT WILL NOT -

Color the Buttermilk or Turn Rancid.

Solventains no Acid or Alkali. It is not our old Color, but a new one so prepared in refined oil, that it cannot change.

- MAKES-

The Beware of imitations, and of all other oil colors, for they get rancid and spoil the butter. See that our trade mark, a dandelion blossom, is on the box, and the signature of Wells, Richardson & Co., is on the bottle and TAKE NO OTHER. If the dealer does not keep it, write us to know where and how to get it without BUTTER Sold by druggists.

Sold by druggists, grocers and merchants. Four sizes, 15c. 25c. 50c. \$1.00. WELLS, RICHARDSON & CO., Burlington, Vt.



A favorite prescription of Address fired.) Druggiste can fill h. Address DR. WARD & CO., LOUISIANA, 25.

The Some Circle.

How Easy It Is.

How easy it is to spoil a day!
The thoughtless word of a cherished friend,
The selfish act of a child at play,
The strength of a will that will not bend,
The slight of a comrade, the scorn of a foe,
The smile that is full of bitter things,
They all can tarnish its golden glow,
And take the grace from its airy wings.

How easy it is to spoil a day
By the force of a thought we did not check;
Little by little we mould the clay,
And little flaws may the vessels wreck;
The careless waste of a white-winged hour,
That held the blessings we long had

sought,
The sudden failure of wealth or power,
And, lo! the day is with ill inwrought.

How easy it is to spoil a life—
And many are spoilt ere well begun—
In home-light darkened by sin and strife,
Or downward course of a cherished one;
By toil that robs the form of its grace,
And undermines till health gives way;
By the peevish temper, the frowning face,
The hopes that go, and the cares that stay.

A day is too long to be spent in vain; Some good should come as the hours go by, Some tangled maze may be made more plain, Some lowered glance may be raised on

And life is too short to spoil like this If only a prelude it may be sweet,

Let us bind together its threads of bliss,

And nou: ish the flowers around our feet.

—Watchman.

Gifts.

The holidays have come and gone again, and the gifts have been made. Gifts of formality and gifts of friendship; gifts of love and gifts for utility; gifts in return for past favors; gifts to create obligations for the future; gifts of charity; gifts of endowment for public works. But the purest gift of all was made to a committee for the purpose of procuring clothing for the children who were not properly clad, that they might be enabled to attend a mission Sabbath school in the care of the W. C. T. U. in one of our large cities. This was a gift without one selfish motive and one to which the donor can look back with pleasure.

But some one, perhaps, in the rural districts, may ask, "What is a mission Sabbath school, anyhow?" Thank God, there are places where there is no mission school needed. But there is a much deeper meaning to the work than present comfort. The teaching which these poor, neglected children get, whether for good or for evil, is not for the present alone; but for all time and eternity. When devoted women with nothing but the Bible in their hand-and the love of God in their hearts, will traverse the "highways and by-ways" of life, and often they are forced to search the low ways also, to seek out and collect together in a mission school the filthy and ignorant children, and sometimes, alas, to find them in the dens of vice and crime, the love of humanity that revolts at suffering in every form; the mother-love that will do for another's child what they would wish done for their own-(if their own were in such condition-) the christian love which says, do good to all, high or low, whether friend or foe, alike, all inspire them with zeal for the work and with strength to conquer.

But in addition to the religious and moral part of the work, there is yet another phase of the condition of these poor children which the politician and tax-payer might with propriety look into. As a purely financial matter how much cheaper to assist these benevolent societies with means to help reform the boy and keep him from evil than to pay the expense of his crimes after he becomes a man. Trace the history of most of our criminals—the ignorant, the might be saved from disgrace and infamy. vicious, and those fallen from a position of respect in society, and it will go back to an ignorant and neglected childhood.

In looking over the gifts made, and those in contemplation for the future, see if these who are banded together in different parts of our country working in charity for the welfare of mankind, particularly among the children, had their proper share.

And now dear sisters of the Home Circle, I wish some older pen than mine would take up this subject and see if we can convince those who are bountifully supplied with this world's goods that "an ounce of prevention is worth more than a pound of cure." And while we as a nation pay mil-

lions of dollars to punish crime, let us try to get the "mite" (if we cannot get the tithe) to help prevent crime by instructing the children respecting the terrible consequences of evil and reforming them while young.

AUNT POLLY.

The Increase of Crime.

The frequent announcement heralded throughout the country, of the commission of crimes representing all the grades of violation of criminal law, from the offender guilty of some minor offence to the hardened criminal charged with the most henious crime, is leading to the general discussion as to whether crime is on the increase in this country or not. It certainly must be admitted that one class of offences, embracing official corruption and violation of personal trust, has been so frequent of late as to indicate that crimes of this character are more numerous than formerly. Officials charged with the disbursement of public money are suddenly discovered to have squandered large sums in speculation or extravagant living. Cashiers of banks and other mon eyed corporations are ascertained to have violated the confidence reposed in them, and ruined the financial standing and ability of the institutions which they represent. The crimes attract general public attention; the high character of the parties involved, their friends and family connections, all add to the interest and magnitude of the offence; and the avidity with which the detai s are seized by the public press, the anxiety of the public for all the particulars, give a prominence to these offences that leads the public to presume that, for some reason or other, crime is fearfully on the increase.

The facts do not sustain the idea. The catalogue of crime and the list of offenders are not to-day as great proportionately as in former years, the result, to a certain extent, of the general improvement of the moral tone upon many vital questions of the entire community, the prompt execution of the law, and the effectiveness and ability of police and detective officers. These defalcations in official and private relations are the saddest of all crimes, for generally the ruin and disgrace are felt most keenly in that society whence the greatest security from crime should come.

In many cases the criminal is led forward by some imaginary gain, by some confiding friend or some plausible motive, and fails to realize his danger until public discovery whirls him into the vortex of irredeemable disgrace and personal infamy. Society itself is at fault for much of this. The passion of the time for extravagant living, for showy equipages, for palatial residences and for all the trappings and display of luxury is so general that men rush into it heedlessly, and hope for some fortunate relief until hopelessly lost.

We know of no subject more earnestly demanding the careful, honest and candid discussion of those most interested in the welfare of society than the admitted tendency in American life to extravagant living. It has no bound of control. It has no limit to its demand for display. The man who has his millions of capital, and the man on meagre salary, vie with each other for supremacy. It permeates society; it enters the family circle; it becomes the passion of the wife and the glory of the children. Dress, display and extravagance rule the household, and in the turmoil and contest, in which the man joins, anxious for success, he ventures here and presumes on this, and wakens up from his happy dream to find his family ruined and his reputation gone. Could some one call out in tones of warning that would enter the charmed circle and warn them of the danger, many a poor man

Until the men have independence enough to live within their means and cease this struggle to compete with wealth and luxurious living, we may expect a constant recurrence of these unfortunate defalcations.

The fault is in our society, and the remedy lies in a reform, which must be led by men of independence, of character and of reputation. When this is done we shall have fewer crimes of this character to notice, and fewer heartrending schemes in connection with them to publish .- Am. Cultivator.

to buy real estate in Ehgland now.

Goat and Sheep Skins.

"Morocco" manufacture deals with the little goat and sheep skins for ladies' wear. Goat skins in their raw state come to the market "dry salted." They are soaked, limed, unhaired and tanned in a similar manner to large skins, but they are tanned with sumac and gambier instead of with coarse bark, as these produce softer finishes. Being small, compact and of fine texture, they are desirable for high finishes, which do not "crack" if the skin is properly treated in tanning. Goat skins retain the whole of the grain and flesh, except thin shavings of flesh removed from the back and neck to procure even thickness. Glove finishes on small skins are generally procured by "alum-tanning." The unapproachable French kid and French glove leather are fruits of years of experiment, and to rival their excellent qualities is the laudable aim of progressive moroccom nufacturers everywhere. The skin of a wool-bearing animal, or sheep skin, is inferior in quality or service to a goat skin. Its texture is loose or "spongy," absorbing liquors so readily that it can be tanned in a short time. It absorbs moisture in the same manner in wearing, so that in wet countries it is ill adapted to hard service. Sheep skins are used for linings and facings in almost every pair of shoes made, and the best selections only are used to make upper-leather. We buy most of our South American sheep skins from Eng-land "in the pickle," as a high duty on wool makes it cheaper to have the "wool-pulling" done in England, and let the skins come to us as our raw material. The English thus have a great hold on the wool-pulling and sheep-skin market, and, further, their famous Southdown sheep furnish us with our "skivers." The skiver is a large-sized split sheep skin used for rinings and facings.

Small skins are finished on the grain side, being "glazed" or "figured" as desired. Sometimes a kid finish is used, sometimes a pebbled figure, and often the poor sheep are made to masquerade as alligators. The race of alligators and seals would long ago have been exterminated to satiate fashion's demand for fancy-colored leathers for reticules and portmanteaus had not the docile goat or sheep again appeared in history as a sacrifice. "Russia leather," too, is not now an unknown quantity in the accomplishments of the American tanner. The late Hon. Marshall Jewell, one of America's most distinguished leather merchants, when minister to St. Petersburg, accepted an invitation to visit a tannery. In the course of the inspection he noticed a mixture in some barrels in an obscure part of the building, into which he dipped his fingers, prompted no doubt by practical curiosity. On returning to his apartments he discovered on his hand the odor of Russia leather as the result of his experiment. He afterwards learned that the liquid contained assafætida and birch tar, and that the materials used were selected because of their cheapness, and not because they produce a peculiar fragrance. He sent home several barrels of the ingredients, but in the meantime a Russian knowing the secret of the manufacture had come to New York, and, after attempting to set up a manufactory of his own, entered the service of an American firm, who with others have since developed the manufacture, so that little is now imported from Russia .- Harper's Magazine.

Mr. Lincoln's religious opinions have een the subject of much discussion since his death. Eminent, during a long and eventful life, for his kindness of heart and his generous sympathy for the opinions of all men of whatever station in life, he listened to the discussions upon religious subjects that were forced upon him, even by zealots, with patient politeness; and because he did not combat them, however extravaafterwards cam clamoring before the public to be recognized as the representative of the President's personal views on this subject. Hence the contradictory assertions that he was an atheist, an infidel, orthodox or disbeliever, according to each one's own peculiar faith. History will little reckon what were President Lincoln's religious views. The nation, to whom his name and memory are dear, care nothing for what he may have said to pre-Everybody wants to sell, but nobody wants obuy real estate in Ehgland now.

Old extension table—Multiplication table.

Sumptuous religious zealots, or what such religious zealots may have said to him. The people of this great land of ours, who fondly cherish the recollection of the acts of kind-gents wanted. Sample Book 19c. Cliaton Bros. Clintonville, Coan.

ness of him who, "with malice toward none and charity for all," devoted his life to the interests of mankind, wal care little for his sectarian views of religion. His great heart of sympathy for all mankind has won the love of the millions, who have no anxiety as to whether his opinions were heretical or orthodox, measured by the standard of religious bigots. That he had faith in the great principles of christianity, that he exemplified them in his life, that he taught them in his family, that he impressed them on his children, are facts established beyond cavil or question.

The Cook's Table of Weights and Measures.

SOLIDS.

Wheat flour, one pound is one quart. Indian meal, one pound two ounces is one

Butter, when soft, one pound is one quart. Loaf sugar, broken, one pound is one

White sugar, powdered, one pound one more is a quart.

Best brown sugar, one pound two ounces

o e quart.

E225, 1en eggs are one pound.

Flour, e13ht qua t3 are one peck.

Flour, four pecks are one bushel.

LIQUIDS.

Sixteen large tablespoonfuls are one half-

Eight large tabl spoonfuls are one gill. Four large tablespoonfuls are one-half gill

our gills are one pint. Two pints are one quart.

Four quarts are one gallon.

A common sized tumbler holds one-half

A common sized wine glass hold one-half gill.

A teacup holds one gill.
A large wine glass holds two ounces.
A tablespoonful holds one half ounce.
Forty to sixty drops are equal to one teaspoonful.

Four teaspoonfuls are equal to one table-

The crown jewels of England are valued at \$15,000,000, and are the property of the nation. They are kept in an iron cage in a securely guarded apartment on the ground floor of the Tower of London. The crown worn by the last of the Stuarts, by the four Georges and William IV., which would not fit Queen Victoria, is there, and so is the crown especially made for her majesty, as well as the Prince of Wale's crown. A royal solid gold wand, three feet seven inches in length, is also in the collection, besides the royal communion service and three large solid gold baptismal fonts, not to speak of numerous other valuable articles, gifts from foreign potentates.

Hand in hand with angels, Through the world we go; Through the world we go,
Brighter eyes are on us
Than we blind ones know;
Tenderer voices cheer us
Than we deaf will own; ever, walking heavenward, Can we walk alone.—Lucy Larcom.

There is a restremaining. Hastthou sinned? There is a sacrifice. Lift up thy head; The lovely world and the over-world alike Ring with a song eterne, a happy rede:

"Thy Father loves thee."

—Jean Ingelow.

-Jean Ingelow.

There is a saying of the ancient sages-No noble human thought, However buried in the dust of ages, Can ever come to naught.

Consumptives, call on your druggist and get a

50 ELECANT, New Embessed and Satin CHROMO CARDS, name on, icc. F. Lawrence, Hauford, Wis

40 Loveliest Chromo Cards you ever saw. 40 styles with name 10 cents. O. CARD CO., Yellow Springs, Forfumed, Embossed, hidden name, &c.. Cards, Aur.p. Book and 51 scrap pictures 10c. Globe Co., No. thford Ct.

50 Embossed, Perfumed and Hidden Name CARDS Cand Auts, Sample Book for 7 le. stames, 50 Emb. Pictures & All ERICAN CARD CO, NORTHFORD, CONN.

THE BIGGEST THING OUT "Sent Free. E. ASON & C.)., 120 Fulton St., New York

50 CARDS allperfumed, New designs, little beauties, Gold Chromo, Verses, Mottoes and Hidden Name, with an elegantprize, 10c. Ivory Card Co., Clintonville, Ct.

ANTED LADIES AND GENTLEMEN who own homes, Work rently mail. No can acanyasing. Address with stamp Crown M'P'g. Co., 294 Vine St., Cin'ti, O.

WANTED.—Lodies or Gentlemen to take nice, light, pleasant work at their own homes (distance no objection). Work sent by mail. \$2 to \$5 a day can be outerly made. No canvasing. Please address at once, Globe M'f'g Co., Boston, Mass., box 5344.



The Houng Folks.

· Two Schoolfellows.

Over the hill and valley,
Drawn by the steam horse's power,
The railroad king is speeding
Fifty miles an hour!

He counts his wealth by millions, By thousands counts his men; O'er ten thousand miles of gleaming rails He waves his sceptre pen.

The diamonds of the coal mines, Where toil the miners grim, And the gold of the waving cornfields Pay tribute unto him.

But pale and worn is the monarch; Unheeding is the eye Before which the smiling country Goes flitting and whirling by.

And he sees but does not notice The farmer rein old Gray the crossing, to let the special pass, Speeding upon its way.

Stalwart and strong is Farmer John, And bronzed with sun and weather. "Ha, wife," he laughs, "you'd never think He and I were boys together!

"He, that shadow, silent and sly, No bigger than my arm, le owns a hundred millions, and I Have only you and the farm!

"But, Lord, who ever would change with Poor fellow, he never sees
Our upland meadow of cloyer red,
Our blossoming apple trees.

"He only hears the clanging wheels, And the engine's whistle shrill; Ours are the humming of the bees And the wild bird's summer trill.

"And while in the dusty town he toils At a toil that ne'er is done, swing my scythe to a merry song In the cheery wind and sun.

"And we shall be jogging behind old Gray When in earth his bones shall lie. How long do these meadows keep the sound Of his swift train roaring by?"

—Philadelphia Record.

An Item for Boys.

It is not necessary that a boy who learns a trade should follow it all his life. Gov. Palmer, of Illinois, was once a country blacksmith, and began his political career in Macoupin county. A circuit judge in the central part of Illinois was a tailor. Thomas Hoyne, a rich and eminent lawyer of Illinois, was once a book-binder. Erastus Corning, of New York, too lame to do hard labor, commenced as a shop boy in Albany. When he applied for employment first, he was asked "Why, my little boy, what can you do?" "Can do what I am bid," was the answer, which secured him a place. Senator Wilson, of Massachusetts, was a shoemaker; Thurlow Weed served his time as an apprentice at the printing business; ex-Gov. Stone, of Iowa, was a cabinet-maker, as was also the late Hon. Stephen A. Doug lass in his youth. Large numbers of men of prominence now living have risen from humble life by dint of industry, without which talent is as a gold coin on a barren island. Work alone makes men bright, and it does not alone depend on the kind of work you have, whether you rise or not; it depends, certainly, on how you do it.

The Murderous Sea-Flower.

One of the exquisite wonders of the sea is called the opelet, and is about as large as a German aster, with a great many long petals of a light color, glossy as satin, and each one tipped with rose color. The lovely petals do not lie quietly in their places, but wave about in the water, while the opelet clings to a rock. How innocent and lovely it looks on its rocky bed! Who would suspect that it would eat anything grosser than dew or sunlight? But those beautiful waving arms, as you call them, have to provide for a large open mouth, which is hidden down deep among them-so hidden that one can scarcely find it. Well do they perform their duty, for the instant a foolish little fish touches one of the rosy tips he is struck with poison as fatal to him as lightning. He immediately becomes numb, and in a moment stops struggling and then the other arms wrap themselves around him and he is seen no more. Then the lovely arms unclose and wave again in the water. Fit emblem of the saloon. The arms reach out so invitingly and welcome to the embrace of death. Struck with poison-benumbed and grasped-the victims are carried down to the open mouth of hell.

A City of Flowers.

Kingston, the capital of the Island of Jamaica, is a city of flowers. It is situated on a gentle slope of the Blue Mountains, close to the water of a delightful bay, and is one of the cheapest places in which to live, I believe, that the world contains. Everything grows spontaneously and in abundance. During a stay of one month I only had occasion to spend \$1.50. I have seen large baskets containing at least two bushels of oranges, lemons, pineapples, cocoanuts, custard-apples, and other varieties never seen north, after being carried on the head from five to fifteen miles and delivered at daylight, sold for ten cents.

The pride of Kingston is in its splendid houses and magnificent gardens. A description of one will answer for the whole. The houses are built on the cover-all-the ground-you-can-get principle, and every residence is surrounded by a garden; a block or half block fenced in with a brick wall, or walled in with a board fence, about eight feet high; the ground enclosed is kept in a state of cultivation, planted with choice flowers and shrubbery, and all exquisitely arranged.

The houses are two-story and the rooms generally thirty feet square, with ceilings twenty feet high; finishings of mahogany, laurel, and ebony. The houses are not sided as in northern climates, but have broad, double verandas and Venetian blinds, so that the whole side of the house can be thrown open to admit the air in the heat of the day. But the greatest curiosity to a northern man are the beds; they stand in the center of the room, are six feet high and eight feet square, without head or footboards, the legs are of polished mahogany. I was told they were made so as to prevent snakes and other reptiles from crawling up. A short ladder stands against the wall to climb into bed with.

But, after all, the great attraction of Kingston is its numerous and magnificent gardens; it has long borne the name of the Flower Garden of the south, and this name it is without doubt justly entitled to.

At the north a garden is a place for raising potatoes, cabbage, onions, and other useful vegetables, but here it is a different thing altogether. It is an enclosure, as I have told you, varying in size according to the man's "pile," with a glass house near one corner for such delicate plants as are not partial to the weather, to live in; a great variety of flowers and curious smelling weeds, and strange bushes. What ground is vacant is laid off into fancy paths and walks.

Then there are thick bunches of grapevines running over arbors loaded with hanging clusters of grapes, such as the spies got in Canada, and fig trees more than thirtyfive feet high loaded with ripening fruit. Then there are profusions of plums, apricots, pears, peaches, oranges, nectarines, etc., all delicious.

There is cedar of Lebanon, magnolia, olive, laurel, hibiscus, gardenia, oleander, and palmetto locked in each others embrace, and gaily holding blossoms in their hands, and creeping up among them is the cactus, the jasmine, the passion vine, the honeysuckle, the bignoma, the lantanna, and the 'plumbago" unfolding their tinted and sweet-scented buds to entice, while they stealthily entwine their long tendrils around the arms and bodies of the flowering trees, binding them into arbors that exclude the rays of the sun and the gaze of the world, where a poetic young man and a romantic young woman might repose on a green, mossy bank, and forgetting the world, fancy they were in the Garden of Eden.

The gardenia is the most fragrant flower known. One of these lovely flowers was given me by a little girl on the street; I put it in a glass of water, and a week later it filled my room with perfume. It is astonishing the amount of little flowers can exhale. The flower, when full-blown, is larger than the rose; is perfeetly white, and grows on a bush with a smooth, dark green leaf. The leaf, both of the flower and bush, is 'thick and tough and does not easily wilt. They are poisonous if

There is a richness about the foliage of the gardenia that would make it a favorite if it were not a flowering shrub. Here in the gardens the bush grows about six feet high, and from five to eight feet across the may be met with in a round, oval hill-like some of fifteen feet in length, made their

shape, thirty feet across, in flowering mag-nificence, every twig bearing a blossom. It shore. The whole scene reminded me of blooms the whole year through.

The pomegranate is the most beautiful of all the flowering trees, with its long, slender boughs and crimson blossoms, like a flock of red birds nestling in the green and gently swaying in the breeze. There are four species of the pomegranate—the single and the double red, the variegated and the white. In a tropical climate the flowers have a more delicate tint and a richer perfume than they do in a northern climate. A rose by any other name may smell as sweetly, but it will not be as sweet at the north as at the south. Here the rose blooms through the whole year, and such roses as they have I never saw before.-Ex.

Wetting Lead-Pencils.

The act of putting a lead-pencil to the tongue to wet it just before writing is one of the oddities for which it is hard to give any reason, unless it began in the days when pencils were poorer than now, and was continued by example to the next generation.

A lead-pencil should never be wet. It hardens the lead and ruius the pencil. This fact is known to newspaper men and stenographers; but nearly every one else does wet a lead-pencil before using it. The fact was definitely settled by a newspaper clerk away down east. Being of a mathematical turn of mind, he ascertained by actual count that of fifty persons who came into his office to write an advertisement or a church notice, forty-nine wet a pencil in their mouths before using it. Now this clerk always uses the best pencils, cherishing a good one with something of the pride a soldier feels in his gun or his sword, and it hurts his feelings to have his pencils spoiled. But politeness and business considerations require him to lend his pencil scores of times a day. And often after it had been wet till it was hard and brittle and refused to mark, his feelings would overpower him. Finally he got some cheap pencils and sharpened them and kept them to lend. The first person who took up the stock pencil was a drayman, whose breath smelt of onions and whisky. He held the point in his mouth and soaked it several minutes, while he was torturing himself in the effort to write an advertisement for a missing bull dog. Then a sweet looking young lady came into the office, with kid gloves that buttoned half the length of her arm. She picked up the same old pencil and pressed it to her dainty lips preparatory to writing an advertisement for a lost bracelet. The clerk would have stayed her hand, even at the risk of a box of the best Faber pencils, but he was too late. And thus that pencil passed from mouth to mouth for a week. It was sucked by people of all ranks and stations, and all degrees of cleanliness and uncleanliness. But 'twere well to forbear. Surely no one who reads this will ever again wet a lead pencil.

A Lake of Alligators.

About eight miles from Kurrachee, to Seine, (says the author of "Dry Leaves from Young Egypt,") is a place well worth inspecting to all who are fond of the monstrous and grotesque. A moderate ride through a sandy and sterile tract, varied with a few patches of jungle, brings one to a grove of tamarind trees, hid in the bosom of which lie the grisly brood of monsters. Little would one ignorant of the locale suspect that under that green wood, in that tiny pool, which an active keeper could half spring across, such hideous denizens are concealed. "Here is the pool," I said to my guide rather contemptuously, "but where are the alligators?" At the same time I was stalking on very boldly, with head erect, and rather inclined to flout the whole affair. A sudden hoarse roar or bark, however, under my very feet, made me execute a pironette in the air adroitness. I had almost stepped on a young crocodolian imp, about three feet long, whose bite, small as he was, would have been the reverse of pleasant. Presently the genius of the place made his appearance in the shape of a wizard-looking old Fakir, who, on my presenting him with a couple of rupees, produced his wand-in other words a long pole-and then proceeded to "call up his spirits." On his shouting "Ao! ao!" (come, come!) two or three times, the water suddenly became alive with montop, but on the low lands along the coast it sters. At least threescore huge alligators,

that more came on substituting the blanday the

fairy tales. The solitary wood; the pool with its strange inmates; the Fakir's lonely hut on the hillside; the Fakir himself, tall, swart, and gaunt; the robber-looking Beloochee by my side, made up a fantastic picture. Strange, too, the control our showman displayed over his "lions." On his motioning with the pole they stopped, and on his calling out "Baith" (sit down,) they lay flat on their stomachs, grinning horrible obedience with their open and expectant jaws. Some large pieces of flesh were thrown to them, to get which they struggled, writhed, and fought, and tore the flesh into shreds. I was amused with the respect the smaller ones showed to their overgrown seniors. One fellow, about ten feet long, was walking up to the feeding ground from the water when he caught a glimpse of another much larger just behind him. It was odd to see the frightened look with which he sideled out of the way, evidently expecting to lose half a yard of his tail before he could effect his retreat. At a short distance, perhaps half a mile, from the first pool, I was shown another, in which the water was as warm as one could bear it for complete immersion, yet even here I saw some alligators. The Fakir told me these brutes were very numerous in the river about fifteen or twenty miles to the west. The monarch of the place, an enormous alligator, to which the Fakir had given the name of "Mor Sahib" ("My Lord Mor,") never obeyed the call to come out. As I walked round the pool I was shown where he lay, with his head above water, immovable as a log, for which I should have mistaken him but for his small savage eyes, which glittered as they seemed to emit sparks. . The Fakir said he was very fierce and dangerous, and at least twenty feet in length.

Be not angry that you cannot make others as you wish them to be, since you cannot make yourself what you wish to be.

EDUCATION PAYS!

The KANSAS

TO FARMERS' SONS AND DAUGHTERS

A full four years' course of study in English and Sciences most directly useful on the farm or in the home with careful training in the industrial arts adjusted to the wants of students throughout the State. with shorter courses in common branches, and all

Tuition Free.

Other expenses are reasonable, and opportunities to help one's self by labor are afforded to some extent. The work of the farm, orchards vineyards, gardens grounds and buildings, as well as of shops and offices is done chiefly by students, with an average pay-roll \$300 a month.

THE TWENTY-SECOND YEAR OF THE COLLEGE

BEGINS SEPT. 10TH, 1884, with eighteen instructors, 395 students, buildings worth \$90,000, stock and apparatus worth \$40 000, and a preductive endowment of \$475,000.

For full information and catalogue address
PRES. GEO. T. FAIRCHILD,
Manhattan, Kansas

WASHBURN COLLEGE

TOPEKA, : : : KANSAS.



WINTER TERM BEGINS WEDNESDAY, JAN. 7, 1865.

OPEN TO BOTH SEXES.

Four Courses of Study—Classical, Scientific, Acedem ic, Business. Personal supervision exercised. Separate Christian Homes provided for young women. Excellent appliances of Library, Apparatus and Cabinet. Expenses reasonable.

ORRESPONDENCE

451 Main St., Buffalo, N. Y. Thorough and practical instruction in Book keeping, Business Forms, Penmanship, Arithmetic, Short-hand, etc., at home, by mail. Distance no objection. Terms moderate. Send stamp for Pamphlet.

THE KANSAS FARMER

Published Every Wednesday, by the

KANSAS FARMER CO.

President Treasurer and Business Manager General Business Agent Editor

TERMS: GASH IN ADVANCE

Single Subscriptions: One copy, one year, One copy, six months, Club Rates

A person may have a copy for himself one year free, by sending us four names besides his own, and free dol lars; or, ten names, besides his own, and ten dollars.

ADVERTISING RATES Made known on application. Orders from abroad for advertising must be accompanied by the Cash.

KANSAS FARMER CO., Office, 273 Kansas Avenue, Topeka

The Legislature.

Members have been busy most of the time, and a good many discussions have taken place, but nothing definite has yet been done on any of the important subjects pending. The sugar bounty bill, the bogus butter bill, several railroad bills, the constitutional convention resolution, Texas cattle bill, woman suffrage bill, miller's toll bill, are among those that have received the most attention. But one bill has yet passedan appropriation bill.

The number of bills thus far introduced is: in the Senate, 263; in the House, 392.

Grange Social.

Pursuant to announcement, the seventh annual social of the Shawnee county grangers under the auspices of the Capital and Oak granges was held at the Seventh street rink in this city last Friday night, and, as is the case with all gatherings of these societies, was a success in every sense of the word. The attendance numbered about 500, comprising representative people of Topeka and vicinity and members of the Legislature and their friends. Governor Martin graced the assemblage with his presence, as did other State officers. Supper tables were placed in the east end and were attended by the ladies of the two granges in a manner that those present could not resist the tempting spread. A well arranged dance programme was enjoyed by lovers of the "light fantastic," to the delightful music of Prof. Heck's orchestra.

Time's Up.

A good many of our subscribers, by looking at the labels or tags on their papers, will see their time of subscription is expired. The letter t means 1885, and the figure 6 means the sixth number or issue of the paper in the year. This is a reminder to all such, that if they do not wish to lose any numbers they ought to renew at once.

And we will add, that the paper has been given regularly the past three or four weeks to persons whose time had expired. This was done to accommodate some who wished to renew but were not quite ready. We have gone to the limit of the accommodation. Many of cutting off names as the time paid for expires.

We hope that not a single subscriber will neglect to renew promptly. We are putting a great deal of work on the paper, and will not weary in efforts to present the best matter attainable every

There is no advance in the wool market, but prices are steady, and there are no indications to cause alarm. Signs are hopeful, though the peculiar conditions surrounding the wool industry forbid hope of any immediate rise.

Kansas Cane and Sugar Association.

The fourth annual convention of Kansas cane and sugar men was held in this city last week. It was the most important meeting yet held. At the last convention, held a year ago, the manufacturing interest predominated, and the original name of Kansas Cane Growers' Association was changed to Kansas Sugar Association. By reason of that change, the attendance of farmers was not as large this year as it would have been. The change of name was made without proper reflection. The farming interest has a good deal more at stake in this sugar making business than the manufacturers have. Both classes are interested, and they must work together or the manufacturers must purchase or lease land and raise their own cane.

But the farmers are interested in the sorghum plant independently of the matter of making sugar out of it. As a forage plant it has no equal, perhaps; certainly no superior, unless it be corn. The plant may be raised for both sugar or sirup and forage. The heavy portions of the stalks may be used for crushing at the sugar mill; the tops and leaves may be used for rough feed; the seed may be used for food for either man or beast. The seed is good as corn in fattening qualities. When made into flour, it is equal to buckwheat.

The plant may be raised for feed of animals only. If the seed be sown thickly in rows and cultivated, or if sown broadcast, and the crop cut green, and cured in gavels or stooks, the fodder is first class for all grass-eating ani-

mals. Looking at the matter from any standpoint, farmers are the largest class interested in this plant; and if they and the manufacturers will work together, there is no calculating the possibilities of sorghum. The two interests were harmoniously represented in the late convention, and the result of a conference was the adoption of a better and more comprehensive name for the association, and a better organization of the membership. A constitution and bylaws were adopted, setting forth the objects of the association, and some very interesting and instructive addresses were delivered. The convention continued over from Wednesday to Thursday evening. The evening sessions of both days were held in the Senaté chamber. We have not room now for any of the addresses, but will use portions of some of them as we may need them. One important fact was stated by Mr. Cowgill, Government agent. He cut cane last October and covered it-laid it down on the ground and plowed earth over it. At several different times since then he has taken out portions of the cane and made sugar out of it. The last experiment was made about the last of January, just a few days before the meeting of the convention. He brought the melada with him; that is, the sirup from which sugar is made, and sugar crystals in it were plainly visible under a lens. A good eye, unassisted, could distinguish the crystals. Analysis of the juice at the have renewed and are saved. But this times of the different experiments week we shall resume our regular habit showed that there was no decrease in with that which was tried immediately

> This is a very important discovery because the great problem is cheapness; and if we can extend the time of working the cane by burying it, as has been done in this case, we have got over one of the great obstacles in the way of economy.

after the cane was cut.

All the snow had left this part of the country when our last issue was run off. But more came on Sunday, and Monday the year before or the year after. In when the lowest point was reached.

more than at any previous time. Ice in "The effect of the severe contraction of the river broke Friday and caused a accommodation," says Mr. Tooke, "was sudden rise, endangering a good deal of to paralyze nearly all transactions on property on low banks.

Money and Prices Again.

Last December the Kansas Farmer contained an editorial acticle calling had not been any destruction of money. Kansas wheat and asking railroad comthe other to the scarcity of money in circulation.

some readers, one of whom requested a great and sudden differences often apfriend is Mr. H. Jones, Bloomfield, Iowa. His letter appears in the FARM-ER this week. His letter is printed bewere not properly treated.

The Junction City, (Kas.) Tribune was that it printed two columns or more of matter in reply, promising to continue the subject indefinitely.

The FARMER does not desire to open a discussion of the subject nor to continue one. This article is written in order that we may be a little better unmatter that will appear soon relating to the subject in hand.

In the first place, let it be understood what we are writing about. What this paper said and intended to say was, that the present "hard times were not caused by a scarcity of money." We quote a few sentences from the article, under review. We said:-

"Scarcity of money is an effect, not a cause. * * * "It is not the scarcity readers of the FARMER remember sevof money that ails us." * * * "When other causes combine to glut markets and stop trade, no amount of money

will set things right again." These are sample sentences. It is evident to us, at least, that our critics have been led away from the thought and the dull times of 1884. In none of presented by the FARMER; for the Union writer produces a long array of chargeable to money. We know what witnesses to prove that they believe a scarcity of money effects low prices, and that a redundancy of money effects high prices; and our Iowa correspondent, after saying-"In the present case there may be, as you assume, plenty of money"-he proceeds to assign several different causes of hard times and finally concludes that—"These money panics * * * are always traceable to a faulty system of legislation." Both of them say a great many things that have no present hard times were not caused by scarcity of money, and in discussing that proposition several brief arguvery common opinion attributing every stress of weather in business to a scarcity of money.

Now, let us look at this matter a little more deliberately. As a general proposition it may be stated that the amount of money in a given community has little to do with the volume of business transacted there. It frequently happens that in times of business depres-

morning was very stormy, snow drifting England in 1847 there was "hard times." credit throughout the country." All kinds of property, except breadstuffs, which were very scarce, rapidly fell in value. Prices dropped low. But there attention to the low market price for The average amount of the notes both of the Bank of England and banks of panies to reduce freight rates and thus issue in the United Kingdom which help the farmers bear the burden of the (notes) were in the hands of the public hard times. In commending the tone was greater than it was in the flush and spirit of that article, a correspond- years immediately preceding and folent propounded two queries to the edi- lowing. The general history of English tor, one relating to markets and prices, finances shows that variations in the amount of money among the people are slow in their operation, are regular, and Our reply appears to have surprised slight, in marked contrast with the friend to point out our errors. That pearing in prices of articles. Mr. Bowen, in his work on Political Economy says that the "experience of the United States agrees perfectly with that of cause of the respect we have for the England, in proving that the circulaopinions of persons that do not agree tion of bank notes is not perceptibly with us and because, if it were not expanded in periods when commerce is printed, our friends particularly inter- brisk, speculation rife, and the rates of ested would probably feel that they interest low-in one word, when it is usually said that 'money is plenty;' and that it is not restricted, but usually so much interested in the same matter somewhat increased, when a crisis ensues, and the rates of interest are raised to the highest point, and when, on account of the great difficulty of meeting pecuniary engagements, bankruptcy is frequent." The Massachusetts banks had an aggregate circulation of about twenty-one million dollars in the flush derstood, and it is the only editorial year 1853, and from twenty-three million to twenty-five million in the dull year

These commercial crises are not uncommon. On an average they come around once in eight or ten years in both England and the United States. Sir Robert Peel, in 1844 said-"Within the last twenty years there have been, I think, four such periods-in 1825, in 1832, in 1835 36, and in 1838-39." Many eral such periods in this country. Going no further back than 1837, and beginning with that year, we had great business depressions in '37, in '47, in '55 and '57. After that came on the civil war, followed by the panic of '73 those instances was the "hard times" will be said by our critics about this proposition, and particularly its allusion to the panic of 1873. It will be said that contraction of the currency caused the distress that began in this country in September 1873. But the truth is, that, although in '64, '65, '66 and '67 the amount of currency in the country was in round millions, in '64, 833, in '65, 983, in '66, 891, and in '67, 826, there was a contraction to 693 million in '69, and then began an expansion in millionsrelevancy to the proposition put by the in '70, 700, in '71, 717, in '72, 738, in '73, FARMER. What the Union's witnesses 750. The next year, 1874, the amount believe is nothing to the point; what was 781 million, in '75 it was 773, in '76 defects exist in our legislation is noth- it was 749. In 1880, the amount was ing to the point. We said that the 735 million, in '81 it was 780, in '82 it was 798, in '83 it was 817. These figures are taken from "Statistical Abstract of the United States, 1883, sixth number." ments were presented to impress upon | See page 18. We have not at hand just sugar in the older cane as compared the reader's mind the fallacy of the now the precise figures for 1884, but that of 1883. These amounts do not include silver dollars or gold coin or Government bonds. They include circulation of all banks, demand notes, Treasury notes, compound interest notes, silver certificates, fractional currency-silver and paper.

This showing, or any other correct compilation of the facts, will prove that sion there is more money among the the turning point in the volume of our people than there was in "good times" currency since the war was in 1869,

That was four years before the panic of 73. There was a steady advance every year from '69 to '74, when the amount was 781 million, then there was a steady decline to '78, when the amount was 729 million, since which time there has been a regular increase.

These figures ought to be conclusive of themselves. But here is another thought. Wheat-(and it was about the low price of wheat that this discussion was started)—is advancing in market value. December 1, last, in Kansas City, wheat was selling at 50 cents per bushel. Last Saturday, January 31, the price had risen 12½ cents per bushel, or 25 per cent. That is one evidence of returning good times.

In the same time a great many other evidences of approaching good times are at hand. The New York Produce Exchange, January 24 ult., says-"The prospects are good for an active foreign demand for wheat, flour, corn, oats, rye and provisions, hence money promises to be plenty for months to come." Secretary of the Treasury, McCulloch, last Friday, referring to what was done in a conference at his office, said: "There is no cause to apprehend any interruption in the general business prosperity of the country." Henry Clews & Co., New York bankers, January 24, said-"Trade and industry are already exhibiting encouraging symptoms of revival, and the old elements of disturbance are gradually passing away." The Director of the mint says that contrary to his own expectation and general opinion a greater amount of gold was obtained from the mines in the United States in 1884 than during any previous year. A commercial house in Baltimore, last month, looked up the situation as to labor employment and business generally, and reported that a long list of leading enterprises have resumed work in the last four weeks. The number of hands employed by these concerns, as ascertained by special reports, is above 90,000, and the estimated number employed by smaller works that have lately started up, and not given in this, is fully 10,000, making a total of 100,000 men who have gone to work in manufactur-, ing enterprises since January 1, in addition to a large number of miners.

But there has not been any unusual expansion of the currency. Our critics say there has been contraction, and that contraction produced the low prices of wheat; yet here we find the price of wheat advancing 25 per cent. in two months, and evidences in all directions of reviving trade.

Some curious notions have people on this subject. Seven years ago, when the silver bill was on its passage, Mr. Hewet, of New York, a statesman, said-

"Mr. Speaker, this bill_is introduced as a measure of relief. I wish to put it upon record that it will intensify and aggravate prevalent distress. I go fur-ther, and say that recovery from distress will be impossible until this bill is swept from the statute book, as it will be within one year by an indignant, deceived, and outraged people."

But the bill (to remonetize and coin silver) has proven to be a good one, and there is no outraged people crying out against the silver money of the country. And Secretary McCulloch says there is no danger whatever to be apprehended from the presence of the silver dollar.

Our Iowa correspondent has several different theories on this subject. He says the trouble is scarcity of money, and cites the withdrawal of bank notes.' Their place was filled by silver coin. Then he says it is under-consumption. That is a comprehensive reason, indeed, and will cover the case like a blanket. Then again, he says-"These money panics * *** are allegislation." He says money is not stretch carefully over a board to dry. While

plenty because Kansas "people are paying and begging the chance to pay from 1 to 3 per cent. a month as interest." Responsible men in Topeka are advertising money to lend at 6 and 7 per cent. interest, and interest and commissions on large loans aggregate 7 to 9 per cent. The Governor, in his message, recommended a change in our interest laws, fixing the lawful rate at 6 per cent. It is now 7. And a bill is pending to effect the change.

If any apology is due our readers for the extreme length of this article, it is We know how hereby tendered. strongly some people feel on the "money question;" and our assertions having been denied, then misapplied, it seemed to us proper that a clear statement should be made even though it be long. The dose will not be repeated except it be in homeopathic form.

January Weather.

Prof. Snow, in his weather report, says: This month was marked by its low temperature, unusual depth of snow, and light wind velocity. Although the mean temperature was lower in two preceding Januaries of our record (in '73 and '75), the number of zero days was three greater than in any previous month of the seventeen years.

The rainfall, including melted snow. 1.66 inches, which is 0.46 inch above the January average. Either rain or snow in measurable quantities, fell on ten days. The entire depth of snow was eight inches. The sleighing was excellent during the greater part of the month. The thickness of the ice on the Kansas river was eighteen inches.

Inquiries Answered.

Sick Hogs.—What is the proper treatment for hogs that lost their appetite? I have some that don't thrive well lately.

-We cannot tell from this statement any thing about the condition of the hogs except that they are not thriving, and hence cannot know what to prescribe. We will suggest, however, change of feed, and if the hogs are costive or have worms, move the bowels with oil cake or something of that kind, and feed cooked food, boiled potatoes, corn and the like. Feed it warm and no more than will be eaten readily.

RUSSIAN MULBERRY—SKIN WORMS.—
(1) Please til me through the FARMER where I can get some Russian mulberry seed. (2) Also, you or some of your readers please tell me what to do to rid a couple of steers from worms that have located themselves between the skin and flesh.

-(1) The Mennonites in Rice county have the seed. Write to E. L. Meyer, Sterling, Rice county. (2) Feed the steers flax-seed meal, oil cake, wheat bran-something to get the bowels loose and blood in good condition, then feed plenty of clean, nutritious food; get the animals in good condition and the worms will disappear.

BEST PIG FEED.-Which would be the BEST PIG FEED.—Which would be the most valuable early feed for hogs, dura, sorghum, or corn drilled in? What is the comparative value of dura with other green feed for soiling through the season? Is the wild tea found on our prairies wholesome as a beverage, or has it medicinal qualities that render it unfit for drink? If a medicine for what complaints is it valuable? When should it be gathered?

-We would hesitate to decide between sorghum and corn, for they are both very good. It would be well to try both and test it for yourself. As to dura, we have had no experience with it, and cannot answer. Wait until the plant—"wild tea," comes up, protect a stalk so that it will not be injured or broken, and when near maturity, dig it up, roots and all, send it to us, and we will have it examined by a professional botanist.

To TAN SHEEP SKINS.-Will you please give a receipt for tanning sheep skins so that the wool will stay on and the leather be tough?

-Take two skins and wash them well in strong soaps ids to clean the wool thoroughly and then rinse in clear cold water to remove all the soap. Dissolve alum and salt each one half pound in enough water to cover the skins, and let them soak in it about twelve hours; then take them out and hang them ways traceable to a faulty system of over a pole to drain. When well drained,

still a little damp, sprinkle on the flesh side an ounce each of alum and saltpeter pulverized, rubbing it in well; then lay the flesh sides together and hang in the shade three or four days, changing the under or inside skin to the outside every day, until perfectly dry. Then scrape the flesh side with a blunt knife to remove any particles of flesh that may remain. If only one skin is cured, it must be rolled up when the alum and saltpeter are rubbed on.

and saltpeter are rubbed on.

BLACK TONGUE.—Elias Chipp started in the winter with 130 head of cattle, the most of which were calves. He has lost 44 of them and says 6 more will be dead inside of 3 days, all of the same complaint. The whole bunch seems to be afflicted in the same way, or nearly all. They begin to go down in fiesh, and keep getting poorer until they can't stand, and finally die. They est and drink heartily all the time. When dead their tongues are black, and all rotten at the roots, and some have rotted clear off. There are hard lumps swell on their legs and bodies as hard as bone. What is the matter with the cattle? Chipp lives 20 miles north of Ellis in Rooks county, Kansas. of Ellis in Rooks county, Kansas.

-The calves are affected with black tongue, a disease allied to malignant authrax. If the calves hadbeen kept in good condition from the time of their birth, and kept on good food and drink, and had not been permitted to drink stagnant water or stand out in the cold and wet storms, they would probably be all right now These malignant diseases may be prevented, but they cannot be cured.

Book Notices.

The Dorcas Magazine, a periodical devoted to the interests of women and the home, has completed its first year's work. Its pages are filled with plain directions for making an infinite variety of useful and decorative articles, and its aim is evidently not only to help women to employ their time in a useful and pleasing manner, but also to be of service to those whom necessity compels to labor.

There are thousands of women throughout the land supporting themselves by the aid of the crochet-hook and knittingneedle, to whom the Dorcas is invaluable. The patterns given are selected with care and taste, and the working directions, which, by the way, are printed without abbreviation, are tested by an expert, to prevent mistakes. Knitting, netting, crocheting, all kinds of embroidery, and artistic needle-work are treated in its columns. Innumerable hints and suggestions, with regard to personal and home decoration are given, which may be enlarged indefinitely. The Dorcas has found an unoccupied field and is filling it in so satisfactory a manner, that it is fast becoming a recognized authority on all matters pertaining to womanly handicraft. During its first year it gave double the value promised. Each number contains more technical matter than can be purchased separately for ten times its cost to subscribers, which is \$1 per year. Sample copies sent to any one in the United States or Canada, on receipt of 10 cents. Address, Dorcas, 872 Broadway, New York city.

The officers elected by the Kansas Cane and Sugar Association for the current year are—President, W. L. Parkinson, Ottawa; Vice President, John Bennyworth, Larned; Secretary, Wm. Sims, Topeka; Treasurer, W. A. Peffer,

Bricks made of cork constitute one of the new German industries. The usual size is ten by four and three-fourths and two and a half inches. They are prepared from small corks, refuse, and cement, and have not only been used for certain building purposes, on account of their lightness and 1solating properties, but are also employed as a covering for boilers, in preventing the radiation of heat.

Willow basket making, which was begun t way not many years ago, has developed into an important branch of industry. It employs no fewer than 39,000 people, and the ware finds a profitable mar-ket, not only at home but in many foreign countries. The demand for the raw mateket, not only at home but in many foreign countries. The demand for the raw material has given quite an impetus to willow culture in Germany, and trees better adapted to the needs of the manufacturer have been introduced. About 200,000 hundredweight of willow withes are annually imported. The people of the village of Heinberg, who redeemed 300 acres of swamp lands a few years since, and devoted them to willow planting, this year realized a jout \$1,750 from the sale of the witles to the Saxon and Wurtemburg manufacturers.

THE MARKETS.

By Telegraph, February 9, 1885. STOCK MARKETS.

New York.

CATTLE-Beeeves, receipts 3,800. Market active and there was an early clearance. Fxtreme prices for steers 5 20a7 10, 1 car load at 7 80, general sales 5 3 a6 50, oxen and bulls 3 50a5 50.

SHEEP-Receipts 11,000. Market firmer and active. Common to good 3 75a5 25, prime 5 50a 5 90, lambs 5 50a6 75,

HOGS-Receipts 13,000. Market steady; 4 70a a5 00.

St. Louis.

CATTLE-Receipts 400, shipments 600. Steady demand largely exceeded the supply. Exports 5 75a6 60, good to choice shipping 5 20a5 65, common to medium 4 25a5 00, butchers' steers 3 50s. 4 60, cows and heifers 3 00a3 75, stockers 3 50a4 00, feeders 4 00a4 65, corn-fed Texans 3 75a4 50.

SHEEP-Receipts 1,800, shipments grades firm. Common to medium 2 25a3 00, good to choice 3 25a4 00.

Chicago.

The Drovers' Journal reports: HOGS-Receipts 14,000, shipments 4,500. Market uneven but generally strong; 5a10c higher. Rough packing 4 40a4 75, packing and shipping 4 75a5 15, light 4 40a4 90, skips 3 00a4 30.

CATTLE-Receipts 3.400, shipments 1,000. Trade badly blocked by storm. Market nominally strong. Steers, averaging 1.400 to 1,600 fbs.; brought 5 70a6 30, do. 1,200 to 1 350 lbs. 5 00a5 65, do 1,000 to 1,200 lbs. 4 25a4 75, corn fed Texas 4 10 a4 75.

SHEEP-Receipts 1,800, shipmen's 100. Market firm. Common to medium 3 00a3 54, good to choice 3 75a4 50.

The Journal's Liverpool cable quotes: Cattle le lower; best Americans 13c dressed.

Kansas City.

The Daily Live Stock Record reports: CATTLE-Shipping steers: The receipts to-day were very light-not over 10 or 12 loads. The cattle were mostly of light weight and it was said the best load out of the yards did not average over 1,250 bs. The market was strong and active from the opening and everytning en sale was

closed out by noon at 10a15c advance. Sales at 4 80a4 90. HOGS-Heavy: The run was light, and it was thought the quality was a shade better than on Saturday. The market opened strong and active, with packers principal buyers, and some slight assistance from shippers. The bulk of hogs sold 10c higher than on Saturday, but some loads brought only 5c more, and the supply all sold by noon. Sales 4 65a4 80. Mixed 4 50a4 60. Light

PRODUCE MARKETS.

New York.

WHEAT-Sales 34,000 bus at 891/28897/80. CORN-Cash No. 2 493/a511/20.

St. Louis WHEAT-No. 2 red, 851/8a851/2c cash, CORN-36a861/4c cash. OATS--291/4c cash.

RYE-Firm, 65c bid. BARLEY-Quiet, 60a80c. Chicago.

WHEAT - Cash' No. 2 red 80. CORN -Cash 363/4837c. OATS-Dull; Ca-h and Feb 27c. RYE-Steady at 63c. BARLEY-Quiet at 63a65c. FLAX SEED-Quiet at 1 47. Kansas City.

Price Current Reports: WHEAT-Received into elevators the past 48 hours 26,4 3 bus, withdrawn 32 689, in store 710,-560. A weak and very sluggish market was had

560. A weak and very sluggish market was had to day. No 3 red winter, cash 56½ c bid 56¾ c asked. No. 2 red winter, cash 56½ c bid 56½ c asked. No. 2 red winter, cash 62½ c bid 62½ c asked. CORN—Received into elevators the past 48 hours 33.168 bus, withdrawn 45.228, in store 124,262. No. 2. Feb first half no bids 30½ c asked. RYE—No. 2 cash, 27c bid 29c asked. OATS—No. 2 cash, 27c bid 29c asked. BUTT 6k.—The tone of the market in general is dull. Choice o fancy rolls are in fair demand and stear y. Other grades quiet.

We quote packed:
Creamery, fancy fresh made. 29a30
Creamery, choice "25a27
Creamery, inferior to common 15a18
Choice dairy 12a24
Creamery, inferior to common 15a26
Choice dairy 12a14
Storepacked table goods 12a
We quote rolls: 13a14
Common 16a Inferior case of the EGGS—Receipts and supply very light. Market excited and prices irregular.

excited and prices irregular. We quote firm at 30c CHEESE—We quote new eastern out of store-Full cream: Young America 14c per lb; do twins or flats 13½c; do Cheddar. 13½c. Part skim: Young America 9a10c: flats 8½a9c; cheddar 8½a9c. Skims; Young America 6a7c; flats 5½a6c; cheddar 8½a 9c. Skims; Young America 6a7c; flats 5½a6c; Cheddar5½a6c. POTATOES—We quote home grown in a small way at 50a60c % bus. Consignments in car loads; Early Rose 47a50c, White Neshannock 50a52c, Peachblow and other choice varieties 55a58c. Colorato stock 62a65c.

SWEET POTATOES—Home grown 60c for red per bus; yellow 75a90c % bus.

TURNIPS—We quote consignments at 60c per per bus; colorators.

per hus.

BROOM CORN-Hurl 344c. self-working 2a3c common lal/c, crooked 3/a1/4c.

Borticulture.

Prepare Your Hotbed.

The KANSAS FARMER every winter urges its readers to prepare hotbeds for the growth of early vegetables. With a little labor at the right time, every family may have vegetables earlier than those grown in the open fields. The time is at hand when the work ought to be begun in Kansas.

As to the method of preparing a hotbed, that is simple, easy, and not expensive. When all is ready the seed is sown, the soil kept moist as well as warm, and the new plants will soon appear. A good and cheap method of making a hotbed is given below. It seems strange, a contemporary says, that this device for giving a month or six week's advance to many kinds of early vegetable plants, is not more commonly found on the farm. The sash, ready glazed, may be had for about \$2 each, and the lumber required is simply one board for the back, about twelve inches wide; another, for the front. about nine inches, with the end pieces sawed to fit. If only one sash is used, a strip is required at each side of the box, projecting two inches, to keep the sash in place. But a better size is made with two sashes. Two boards are cut, to suit the dimensions of the sash, which, at the usual size, of three feet six inches by six feet, will make the boards seven feet one inch. Let the end boar's project about two inches above the sides. This forms the two outside boundaries to the sash. In the middle of the box, sink an inch strip into the back and front boards, on which is nailed another strip, two inches wide. This is the middle division of the sash. and leaves a channel one and a half inches wide, for each sash to slide in. Such a bed will give room for the growth of all the vegetables likely to be wanted for early transplanting. It may contain two divisions, if desired; the cabbage, cauliflower and lettice growing in one sash, and tomatoes, melons, cucumbers. egg-plants and other tender plants may occupy the other, not forgetting a small space for the raising of flower seeds for

early planting. Where the facilities will warrant it. the bed may be made of four sash, which will require two sixteen-foot boards with end pieces, and three strips for the sash to run on, made as above. This size will give one compartment for early lettuce, two for cabbage and cauliflower, one for tomatoes, peppers, eggplant, and similar tender things, while the other may be devoted to furnishing annuals for the flower garden. The box, or trame, as it is called by gardeners, being ready, the next consideration is the hotbed itself, and the time of starting. This, of course, will yary largely with the locality, the season beginning at the South in January, and ending as late as the middle of March in the extreme North. Where the object is simply to raise plants for outside bedding, it is useless to begin earlier than two months in advance; six weeks will often do. In this latitude, the planting season for outdoors is, for such hardy vegetables as cabbage, from the 1st to the middle of April, while such tender vegetables as tomatoes from the to replenish the heat of an exhausted hotbed requires much trouble. Besides this disadvantage, the plants become too large before the time for planting out-of-doors. The middle of February may be safely assumed as the proper ter and summer, and as the tree expands time here, and if the crop of the hardier loosen the wire. yegetables are planted out the last of Here is another method that I use to

transplanting the tender ones, to give two hills of cucumbers, that will finally occupy the entire space and give a cutting by the end of June.

The box being made, and the time arrived for starting, the heating material must be provided. For this nothing is better than horse manure, though an admixture of leaves gives a more steady and lasting heat except where the manure has been thoroughly prepared. This is done by placing it in a heap to partially ferment, turning it over once or twice in the meantime. This allows the rank and violent heat to pass off, after which the mass will maintain a more equable and lasting warmth. The bed may be formed either above or partially below the ground. Where there is no danger of water standing in the soil, the better way is to sink a pit the size of the frame, about eighteen inches deep. This partially protects the bed from the cold, piercing winds of departing winter. If the hotbed has to be built on the level, make it two feet larger all around than the frame. Use. if possible, a portion of the manure that has heat in it already, or it will son etimes, during a cold time, be very difficult to get the heat started. In making the bed do not throw in the manure in heaps, but break it up and spread evenly, or it will heat and sink unevenly, and so disturb the seed bed. Press down the manure firmly with the fork, and when finished it may be for the purposes here mentioned about two and a half feet deep. Place on the frame and sash, and pack a little manure all around the outside to keep out the wind, keep closed until the heat has risen.

Select any good friable soil at hand and spread evenly over the whole surface to the depth of about six inches. Unless it is made with very green manure, the seed may be sown as soon as the soil is warm. To make sure of this thrust a stick in the center, and when fairly warm to the touch, it may be considered as in a fit condition.

Protection of Apple Trees. Kansas Farmer:

This mouth, February, and March, with me in the years passed, the rabbits did more damage to my trees than in all the balance of the year. Two years ago the 1st of next March the rabbits were very bad, girdling quite a number of my trees, taking the bark off entirely around some of them, this too after four applications of hog's liver, chicken and rabbits' entrails, remedies that had formerly been successful; but in this instance these remedies were a dead failure. The same night after the above remedies were applied during the day, these nasty pests would gnaw my trees just the same as if I hadn't used any protective tariff at all. I think these rabbits of mine are in favor of free trade. I am now satisfied that to protect

apple trees something must be used to prevent the approach of these pests to the tree. After two years trial with tarred paper I am well pleased with the results, and shall continue to use it. Costing 3 to 4 cents per pound will not make it very expensive for young trees. This is the way I applied it to my trees: The paper was cut so as to extend ten to the middle of May. If started to twelve inches up from the ground too early, the heat becomes exhausted and to reach once and a half around the before freezing weather leaves us, and trunk; then, with No. 20 broom wire, fasten the paper on so that the edges of the paper meet or lap over a little. Two pieces of the wire are necessary; one near the top, the other near the lower part of the paper. This I leave on win-

March, the space may then be used for prevent damage to the lower limbs: I

prune my trees during fall and winter, them a chance to attain a good size. leaving the limbs on the ground. When Each box may be used to bring forward the bark is eaten off on one side, I turn them over, This accomplishes two objects, viz.: pruning, and giving the rabbits something to eat without injuring my trees. G. W. BAILEY.

Wellington, Kas.

P. S.—The trees that were girdled all the way round Psaved by banking them up six or eight inches with soil above the injured part, the mound extending two feet or more around the trees.

To Destroy the Codling Moth.

Kansas Farmer:

I send you a prescription for the codling moth. Please publish it and ask all of your readers to try it and ask their neighbors to try it: Take open-mouthed vessels of any kind. Old tin cans, such as decorate the alleys and vacant lots of all cities and towns; nail to apple trees, just high enough to be out of the way of hogs or anything else that may run in the orchard; take of molasses, water and cider vinegar, in such proportions as will cause it to ferment readily, and put a little in each can. Visit them every few days and skim out the moths, so that more may get in. The liquid will need adding to occasionally. If it rains in it, add a little molasses; if it dries, add water and molasses. The idea is to keep it all the while ferment-

Put up as soon as trees blossom, and keep up as long as you find any moths. We tried it last year and caught them by the thousand, and shall continue it this year more extensively.

E. FOOTE.

Burlingame, Kas.

A New Use for Safe Deposit Vaults.

One of our well-known New York seed firms has now on deposit in the Mercantile Safe Deposit Company's vaults four hundred pounds of Henderson's Snowball Cauliflower Seed, which at the selling price of one hundred dollars per pound shows the value of this seed to be forty thousand dollars. Not only is this plan of depositing in vaults found to be cheaper than insurance, but what is of more importance is that if the seed should be destroyed by fire this quantity necessary for their trade could not be replaced at any price in time for the spring sales. When it is considered that four hundred pounds of Cauliflower seed will under favorable conditions produce nearly thirteen million plants, which when headed for market and sold at even eight cents per head will produce the sum of three-quart rs of a million dollars, the value this vegetable has attained in this country, where twentyfive years ago it was almost unknown, becomes readily apparent.

TOPEKA SEED HOUSE. Orchard Grass.

TIMOTHY, CLOVER. :: BLUE GRASS

Our Garden Seeds are direct from Growers, fresh and true to name. Orders promptly filled. Send for Price List of Seeds.

Downs & MEFFORD, ansas Ave., TOPEKA, KAS.

GREGG AND CUTHBERT Raspberry Plants

In any quantity. I make a specialty of these plants, and I can guarantee them true to name. Parties desiring to purchase plants of these varieties will find it to their advantage to correspond ties will find it to to with me. Send for id for List,
FRED EASON, Fruit-Grower,
Leavenworth, Kas.

Hart Pioneer Nurseries.

[Established, Dade Co., Mo., 1857; Ft. Scott, Kas., 1885; Incorporated, 1884.]

FORT SCOTT, :: KANSAS.

A full line of Nursery stock, all warranted true to name. No substitution of varieties to our purchasers. Reference: Bank of Ft. Scott. For other testimonials see our catalogue.

Johnson Grass Seed.

Fresh, well-cleaned Seed for sale at \$3.50 per bushel Cash to accompany order. Descriptive circular sen on application. JOS. HARDIE & CO., Selma, Alabams

Branch Valley Nursery Co., Peabody, Ks.

The Russian Mulberry and Apricot special-ties. Nurserymen and Dealers, write for wholesale prices. E. STONER & SON.

Trees and Plants.

Large stock of Fruit and Ornamental Trees, Small Fruits-especially Grape Vines,-Shrubs, and Evergreens. Low prices on Dwarf Keiffer Pear and Seed ling Catalpas. Special facilities for Dealers. KELSEY & CO., St. Joseph, Mo.

ORK NURSERY COMPANY (Established 1870). Nurseries and Green Houses at FORT SCOTT, KANSAS. Largest Stock of Nursery and Green House Plants in the West. BEAUTIFULLY ILLUS-TRATED CATALOGUE now ready. Mailed to applicants free.

100,000

Peach Trees in storage for immediate shipment. Also Apple, Apricot, Plum, Grapevines and Forest Tree Seedlings.

200 Acres in Nursery.

Write for price list-Free. Address
J. B. Wild & Bro., Sarcoxie, Mo.

The NIAGARA GRAPE

(The New White Grape.)

(The New White Grape.)

The only bearing vineyard in Kabasa, I will sell the rooted Two-year-old Vines at \$2 each, free from restrictions. In large quantities on the vineyard plan, payments to be made from half net proceeds of the receipts of fruit, at greatly reduced prices. Write for terms. Address M. CRUMRINE, Junction City. Kas., Authorized Agent for sale of the New White Grape (Niagara), propagator and dealer in all the leading varieties of Strawberries, Raspberries, Blackberries, Gooseberries and Grape Vines.



replete with information invaluable to all interested in fruit flurre, especially beginners. Frice, with plates, 10 ents; without plates, 5 cents. Price-Lists FREE. F. T. LOVETT, Little Silver, N. J.

Trees, Trees, Trees. IMMENSE STOCK.

1,000,000 Russian Mulberry; 500,000 Hardy Catalpa Russian Apricot, Dwarf Juneberry, and all other kind of Fruit, Forest and Ornamental Trees, Grape Vines, Small Fruits, etc. A PAPER devoted to fruitgrowing Free for one year to those who buy \$1
worth of trees. 100 Russian Mulberry for \$1. 12 Concord Grape, 1. 4 Russian Apricot, \$1. and 122 other \$1
sets, per mail, postpaid. Forest Trees for Timber
Cialms. Send at once for a Price List.
Address

CARPENTER & GAGE,
Bower, Jefferson Co., Neb.

FIRE! FIRE! FIRE!

Strawberries grown by an entire new process which sayes at least 75 per cent. of the labor and expense of cultivation annually. It destroys Insects, Weeds, Grass Seeds, etc., Saves Runnercutting and Re setting oftener than once in eight years. I have the Largest and Healthiest Vines in this section, and the total cost of cultivation has been less than \$4.00 per acre this season. I have for sale hundreds of thousands of STRAW-BERBY, BLACK AND RED RASPBERRY PLANTS, my own growing, all warranted pure stock and No. 1 plants,

The above system is free to every purchaser of \$2.00 worth of plants, to others \$1.00. Send for Price list of Plants and further particulars. FRED LUCIA, Flushing, Genesee Co., Michigan.

Lee's Summit Nurseries. BLAIR BROS., PROPRIETORS. Lee's Summit, Missouri.

To our Patrons, Orchardists and Planters:

We would respectfully call attention to our heavy supplies and most excellent quality of Nursery products, consisting of Apple, Peach, Pear, Cherry, Plum, etc., Berries and Grape Vines of the various sorts. Also Ornamental and Shade Trees, Plants, Roses and Shrubs. Hedge Plants. Forest Tree Seedlings and Evergreens, from 6 inches to 4 feet. Prices low.

Special attention is called to the fact that our agents are furnished with written certificates of authorized agency signed by us. We insist upon our patrons requiring agents to show their certificates, so as to avoid any mistakes or deceptions.

Orders sent by mail promptly attended to. BLAIR BROS., Proprietors, Lee's Summit, Mo.

The Veterinarian.

The paragraphs in this department are gathered from our exchanges.—ED. FARM-

FISTULA. - Please give the proper reatment for fistula. One side formed matter and discharged for a time. The other side had quite an enlargement but is now much reduced, without apparently forming pus; but for a time does not seem to improve. Please give proper treatment to be followed. [The proper and most successful treatment is using the knife freely, either opening the sinuses clear through or at the bottom, allowing the pus to escape freely, and removing all diseased parts, keeping clean and dressing with some antiseptic and astringent remedies. All powerful caustics and escharotics should be avoided, such as you have been using. Call in some educated veterinary surgeon to perform this operation, for his knowledge of the anatomy of the parts enable him to operate with success.]

TENDER FEET IN HORSES .- I have a saddle horse that appears tender and sore, and frequently a little lame in his front feet, the next day after being ridden fifteen or twenty miles. He shows it more plainly after being recently shod and used on a hard road, though he shows it frequently, to some extent, after his shoes have remained on for several weeks, and especially if moved rapidly over hard ground. He is a horse of high action. Please advise how he should be used or treated. [If you can get a nice pair of bar shoes made for fore feet, do so. If not, have ordinary shoes put on-except that the toe calk should be about one-quarter of an inch higher than heel calks; the latter should be short. Soak feet in warm salt water for an hour, morning and evening, daily, for ten days, then apply Moore Bros.' golden blister around the feet, from top of hoofs to bottom of fetlocks.

INFLUENZA .- I wish to ask what to do for hors s that seem to have a bad cold or a kind of an epizootic cough, and seem heavy and sluggish in their movements, eat some all the time, but are not hearty, appears to affect the head the most. Also, what must I do for some last spring lambs that cough badly and are off their feed-care nothing for grain at all. [This is a specific fever, attacking animals at different seasons of the year, and assuming different forms. As it is in the form of catarrh in your stock, steam the head occasionally and feed on easily-digested and nourishing diet. Attend to the general comfort by clothing the body and bandaging the leg, a good straw bed, warm stable well ventilated. Give 2 drachms of pulverized nitrate of potash in the water to drink three times a day, and two ounces of the following in a little cold water as a drench before feeding: Aromatic spirits of ammonia 4 ounces, ether spirits nitrous 4 ounces, compound tincture cinchonia 4 ounces; mix. Give as directed. Repeat if necessary.—Catarrh, we suspect, is also the trouble with your lambs. You are probably keeping them too warm, or in a place where the cold air strikes them severely at times. Look to this, and remedy if possible. Feed some scalded bran or oats twice a day, mixing in a tablespoonful of the following to each one: Pulverized sulphate of iron 8 ounces, gentian and ginger pulverized of each 8 ounces, nitrate potassium pulverized, 1 pound. Mix and give as directed.]

As a rain-drop foretells a storm, so does a pimple upon the human body indicate health-destroying virus in the blood, which can be neutralized and expelled only by Dr. Harter's Iron Tonic.

YOUNG MEN! - READ THIS.

THE VOLTAIC BELGGO. Of Marshall Michigan, off-r to send their celebrated ELECTRO-VOLTAIC BELT and other ELECTRIC APPLIA C. S. or Irial for thit's days, to men (young or one) afficied with nervous debility, loss of vitality and man nood, and all kindred troubles. Also for rheumatism, neuralgia, paralysis, and many other diseases. Complete restoration to health, vig r and manchood guaranteed. No risk is incurred as thitty days trial is allowed. Write them at once for illustrated pamphlet free.

BERKSHIRE HOGS.

My herd now numbers about Forty Breeding Sows and Four Boars, including representatives of the best families of the day, and also prize winners at the leading shows of this country, Canada and England. I have now in use in my herd sows that won in England in 1883, 1882 and 1881, and descendants of noted prize winners previous to that time. The principal bear in use in my herd at present is "Duke of Monmouth" 11361, who won in 1883 the first prize at four leading shows in England, including first at the Royal Show. and also first prize at two leading shows in Canada. He thus wen six continuous first prizes without being peaten, a like record I believe never at ained by any other boar. I paid \$400 for "Duke of Monmouth." He is a splendid breeder, an animal of great constitution and comes from the same family as my old "Lord Liverpool" 221, for whom I paid \$700, and who is now alwost eleven years old and still alive. I have now a splendid lot of pigs from three to six mouths old, the bulk of which are got by "Duke of Menmouth." I would also spare a few of my sows, young or old, when in pig, and part of my breeding bo do not advertise prices as low as the lowest, for I cannot sford to sell as low as those who bought a cheaper lass of stock to start with, but my prices are reason able and within the reach of all who know the value of first-class stock My herd of Berkshires show as much size as hogs of any breed, and I am sure I can show more quality, activity, constitution and size than is combined in any other breed of hogs Almost if not every prominent herd of Berkshires in the West conrepresentatives from my herd, and this alone, considered in connection with the many prizes I have won for ten years past at our largest shows, proves beyond a doubt the quality of stock I am producing from year to year. No breeder of any kind of hogs in the United Stat s or Canada has for several year, past bought and retained in his herd so many valuable animais at an equal cost as I have. I have issued a new catalogue this season containing the pedigrees in full of my herd and a limited description of each animal together with a complete list of prizes won for several years past. This catalogue I will mail free to all who feel interested enough to write for it.

I am also breeding High-grade Short-horn Cattle and Meriuo Sheep. Have now about 100 good young

I have reduced rates for shipping.

All parties visiting from a distance will be met at the train, if notice is given in time,

For prices or any further information, address N. H. GENTRY

Pioneer Herd of Holstein Cattle

DUROC JERSEY SWINE.



For beef, butter, and cheese, breed HOLSTEINS.
For largest return on money inv sted i. swine, breed DUROC JERSEYS. Choice registered sniwn's far sale by WM A GARDNER, Oregon, Mo. Correspondence swiicited. When writing mention this paper.

IF YOU WANT
A Young Sow bred to
our crack boars,
IF YOU WANT

A Young Boar Pig,

IF YOU WANT A Young Sow Pig,

IF YOU WANT Any kind of Poland-China Swine,

IF YOU WANT A lot of Plymouth Rock Fowls at \$ 1 .00 each

Sedalia, Mo

IF YOU WANT A Thoroughbred Short-horn Bull Calf,

Write to MILLER BROS., JUNCTION CITY.



RANKIN BALDRIDGE, Parsons, Kansas,

Breeder of Pure Poland-China Hogs. This herd is remarkable for purity, symmetry and are good breeders, Black Jim, a prize-winner, bred by B. F. Dorsey, heads the herd. Stock recorded in Central Poland-China Record.



THOROUGHBRED POLANC-CHINAS

As produced and bred by A. C. Moore & Sons, Canton, III. The best hog in the world. We have make a specialty of this breed for 38 years. We see the largest breeders of to complete Poland-Ohinan in the world. Shipped over 7:0, 1:4; in 1883 and could not supply the demand. We are raising 1,000 pigs for this second trade. We have 16 sows and 10 males we are breeding from. Our breeders are all recorded in American P.-C. Record. Pigs all clightle to record. Photo cad of 48 breeders free. Swing Journal 25 cts. in 2 cent stomps. Come and see our stock; if not as represented we will pay your ex, cuses. Special rates by express.

Acme Herd of Poland Chinas



At the head of our select bird of 25 matured so are stand two noted noars, Kentu ky King 2881 and hallenge 4939, both prize-winners, and for indivitual meit unsurpassed in the St for elsewhere. Stock o all ages generally in haud for sale. Pedigrees "wife deed by rices years no les and satisfaction consensation." meit unsurpasses in the said or sale Peugresses all ages g-n-raily in hand for sale Peugresses edge." Prices reas na de ant satisfaction guarantes edge." Prices reas na de ant satisfaction guarantes edge." STEWART & BOYLE, Wichita, Kas.



I SAAC WOOD, Oxford, Kas.—PIONEER—
The swee stakes here of it a Southwest for inreconsecutive years. Countrist at the blood of all the popular strains of the day. Say years aspecially, 110 farmished not of kin. Qualith o stock and pedieres first class. Price low non-favor the rates by express to all points. Pige of different ag a ready to side, and orders taken for tuture delivers. S. Histotion generated. For history of heid, see Vol. IV. wee 31; Vol. V, page 47, and Vol. VI, page 37 Ohio P.-O. Record.



S. V. WALTON & SON,

Box 207, Wellington, Kansas,

Freeders of IMTROVED 1 OLAND-CHINA HOGS of the highest type. All well pedig eed. Correspondence soficition.

MEADOW BROOK HERD



Of POLAND-CHINA SWINE.

Breeding Stock re-orded in American and Ohio Records Tem Doffield 1675 A. P.-C. R., at head of herd. Always space with latest improvements or the avortic breed. Personal inspection solicited. Correspondence promptly answered.

JELLEY & FILLEY, Proprietors, KINGMAN, KANSAS.

ROME PARK STOCK FARM



T. A. HUBBARD, WELLINGTON, KAS.,

Breeder of Large English Berkshires, headed by the noted siee—Sweepstakes, Raval Saver-ign, General Pulford and Jumbo. The Poland-Chinas, headed by the celebrated hoars, Cords victor, Ohl. King, Fubbard's Choice, Jim Bisine and Cleveland. The stock represents the best, and is reliably bred and recorded in the Ohio and American Records. Also Short-horn Cattle for sale. For further information or first-class stock, call or write.

PURE-BRED Berkshire & Small Yorkshire SWINE.



We are breeding 25 of the best selected sows of the show-named swine to be found in the country direct directed and the found in the country direct directed and the fill of t

James elliott Abilene, : Kansas,



Breeder of HiGH CLASS BERKSHIRE SWINE, My herd is composed of twenty breeding sows of the leading families known to f-me, headed by Earl of Carrist-10459. My hogs are note: for size, uniformity, fine heads broad hams great d-pth, with shor, strong legs. They are perfectly marked, having good costs of bair; with quality of bone that enables them to carry great weight combining quick and easy feeding qualities. Stock all recorded in A. B. R. I am now piepared to fill orders for pigs, of either s.x. Prices reasonable. Correspondence and inspection invited.

PLEASANT VALLEY HERD

Pure-bred Berkshire Swine.

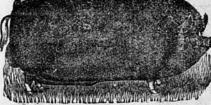


I have thirty breeding sows, all matured animals and of the very best strains of blood. I am using three splendld imported boars heared by the splendld prize-winner Plantagenet 2919, winner of five flust prizes and gold medal at the leading shows in Cauada in 1881. I am now preparent of fill orders for pizes of either sex not akin, or for metured animals. Prices reasonable, Satisfaction guaranteed Send for catalogue and price list, free.

8. MCCULIUGH, Ottawa, Kanses.

WELLINGTON HERD

ENGLISH BERKSHIRES.



The Wellington Herd of well-bred and Imported Berks' free is headed by Hopeful Joz 4889. The herd consists of 16 matured brood sows of the best families. This herd has no superior for size and quality, and the very best strains of Berkshire blood. Stock all revery best strains of Berkshire blood. Stock all revery best strains of Berkshire blood. Stock all revery hest strains of Berkshire blood. Stock all revery hest strains of Berkshire blood. Stock all revery hest strains of Berkshire blood. Stock all reverse here were and inspection in the strain of the



Chester White, Berkshire and Foland China Pigs, fine Setter Dogs, Scot h Colles For Hounds and Beagles, Sheep and Poultry, bred and for sale by W. Gibbons & Co., West Chester, Chester Co., Pa, Send stamp for Circular and Price List.

Poland-China and Berkshire HOGS.



We have for sale a fine lot of Poland-China and Berkshire Pigs, from 2 to 6 months old. Ours is the Largest herd of pure-bred Swine in the State, and the very best strains of blood of each breed. If you want any o our stock write us and de-cribe what you want. We have been in the business many years, and have sold many hogs in this and in other States, and with universal satisfaction to our patrons. Our hogs are fine in form and style, of large-tock, quick, growth, good hone, hardy and of wonderful vit-lity. Our Poland-Chinas are recorded in the American Poland-China Record.

RANDOLPH & RANDOLPH, EMPORIA, LYON CO., KANSAS.

TOPEKA

This, That and the Other.

A fastidious convalescent may be deluded into taking more nourishment than he knows of, or is willing to take, by having the yolk of an egg stirred into his morning cup of coffee. Beat the egg very light.

What is the difference between cocoa and choco'ate? Both are made from cocoa beans, but a large part of the fatty matterthe "cocoa butter"-is taken from the former, while all of it is left in chocolate. Cocoa, therefore, is less rich than chocolate, and is regarded as much more digestible.

"So you acknowledge you stole the watch?"

"Yes, your honor."

"What caused you to commit the crime?"

"Well, your honor, I thought as I had a good deal of work before me on small pay, I would try and gain a little time."

Experiments have lately been made by the French Government with a new kind of siege gun of prodigious power. It is described as made of steel, and nearly thirty feet long, and the tube is strengthened with ten coils of plated steel wire one millimetre, or .039 inch in diameter. The composition is such that the canon, after a few discharges, becomes elongated by three millimetres. The weght of this gun is fifty tons, and it projects a shell weighing 297 pounds, capable of penetrating armor plates nearly six inches thick at a range of 71/2 miles.

FRANK CRANE,

Formerly of the firm of A. A. Crane & Son, Osco, Ill..

—For the Sale of—

HEREFORD,
POLLED ANGUS,
GALLOWAYS,
SHORT SHORT-HORN.

And Thoroughbred and Grade Cattle of all breeds

Carload Lots a Specialty. Stables, Riverview Park. Address

F. P. CRANE, Stock Yards, Kansas City, Mo

GRAPE VINES OF OVER 100 kinds. Nursery Established 28 vrs Del ware, Concord, Ladv, Empire State, Niagara, Vergenius, Haves Ea le Victor, Lady and all the best, new and old varieties Splendid Stock. Frices low. Catalogues FREE GEO. W. CAMPBELL, Delaware, O.

LOOMINGTON Established 1852, by F. K. PHENIX. InOURSERY CO. offer for the Spring
Offer for the Spring
Trade a very large &
BLOOMINGTON, ILL. fine stock of every description of Fruit &
OURSEAST Conference of Spring of 1885 now ready and mailed on application.



Isa Tonic, Appe-Purifier for all live stock. The best Condition Powder in the world 25 CENTS.



'Singer' Model Sewing & Including an \$8.00 set of beatra attachments of 9 pieces and needles, oil and usual outfit of 12 pieces with each Cuaranteed perfect. Warranted 5 years. Handsome, durable, quite and light running. Don't pay \$30 to \$50 for machines no better. We will seed ours anywhere on trial before paving. Circulars free. Save \$15 to \$35 by addressing

LOWEST PRICES MILLS SINGLE MILL, \$185.

LIGHT DOUBLE MILL including 50 & 28 in. aws. 15 H. P. Portable Engine and Boiler, Drive-elt and Lever Settling Head Blocks, \$950.
HEAVY STANDARD MILL, including 60 & lin. Saws, 40 H. P. Engine and Boiler and Drive-elt. \$1575.

ENGINES & BOILERS, STATIONARY, PORTABLE, and on Wheels, 10 to 100 H. P. Send for Catalogue.
C. & A. POTTS. Indianapolis, Ind.



Is CHEAP, STRONG, easy to apply, does not rust or rattle. Is also A SUBSTITUTE FOR PLASTER, at Half the Cost; entlasts the building. CARPETS AND RUGS of same, double the wear of oil cloths. Ostalogue and ame, double the wear of oil cloths. Catalogue and ples free, W. H. FAY & CO., Camden, N.J.

HEADQUARTERS FOR

English Shire

NORMAN

HORSES.

Rosedale Stock Farm

WM. THOMPSON & SON. MAYSVILLE, DE KALB CO., MO.

One hour's ride from St. Joseph, Mo., and two hours from Kansas City, Mo

Three importations of Thirty Stallions and Mares now on hand—a grand selection to pick from.

LOCATION. — ROSEDALE STOCK FARM is situated 9 miles north of Osborn, on the Hanntbal & St. Joseph R. R., and 39 miles east of St. Joseph Mo., and 15 minute's rice west on the H. & St. Joe R. R. from Cameron Junction, Mo. Free conveyance furnished at Messrs. Chipps & Berlin's stable, close to depot at Osborn.

EVERY HORSE RECORDED

and guaranteed a breeder. Send for Catalogue. Prices low and terms easy.

RIVER VIEW Stock Farm.

50 HEAD OF

COMMISSION AGENT IMPORTED NORMAN STALLIONS

Just arrived from France, added to my stock of Norman Horses, which now numbers upwards of 100 HEAD, from 2 to 5 years old. Parties wishing to purchase first-class stock will do well to call and see my Normans before purchasing elsewhere. Prices and terms to suit purchasers. All of the above stallions were selected by myself in France this saason. (Mention this paper.)

JAMES A. PERRY

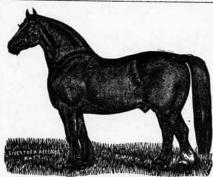
Importer and Brerder of Norman Horses.

River View Stock Farm, Wilmington, Ill. Fifty miles south of Chicago, on the Chicago & Alton



DEGEN BROTHERS, Ottawa, Ill.,

Importers of NORMAN HORSES. Large selection of imported stallions and marrs—50 head imported this season. We are also breeding full-blood and higher and the season. We are fitting up to the season are fitting up one of the best sale barns and breeding establishments in the State and will be pleased to show our horses to visitors. Correspondence invited. DEGEN BROS, Ottawa, III.



JOHN CARSON, Winchester, - - Kansas

Clydesdale & Percheron-Norman Horses.

Choice stock for sale. Also some fine Grades. Correspondence solicited and satisfaction guaranteed, I have some Jacks for sale.



BETHANY COLLEGE

Twenty-six Officers and Teachers.

Faithful Maternal over-ight for all intrusted to our care.

all branches taught—Kindergarien. Primary, Intermediate Grammar, and Collegiate: French German, the Classics Instrumental and Vocal Music, Elocution, Drawing. Painting

The Music Department emrloys eight teachers and twenty planos and three organs. In the Art Department the Studio is fully equipped with casts, models and croies.

and cordes.

Send for Catalogue to T. C. Vail, Bursar, or Bishor
P. Vail, President, Topeka, Kansas.

Should use only the "Arm and Hammer" brand brand Soda and Saleratus is used with great for Cleaning and Keeping Milk Pans Sweet and success for the prevention and cure of HOQ Clean. It is the Best for all CHOLERA and other diseases. Household Purposes.

"ARM & HAMMER BRAND"

To insure obtaining only the "Arm & Hammer" brand Soda or Saleratus, buy it in "pound or half pound" cartoons which bear our name and trade-mark, as inferior goods are sometimes substituted for the "Arm & Hammer brand when bought in bulk. Ask for the "Arm & Hammer" brand SALSODA (Washing Soda).

80 Varieties. Also Small Fruits. Quality unsurpassed. Warranted true to name. Very cheap. Illustrated descriptive price list free. LEWIS ROESCH, Fredonia, N. Y.

ENGLISH SHIRE HORSES.



PORTER MOORE, PARSONS, KAS. Breeder and Importer of

The Celebrated Shire Horses

Thoroughbred and Grade Stallians and Mares for sale. It will pay you to visit this establishment before going else where. Also breeder of HOLSTEIN CATTLE.

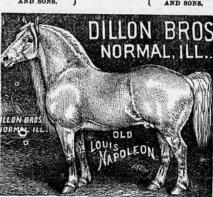
OVER ONE HUNDRED CLYDESDALE, ENGLISH DRAFT

AND PERCHERON NORMAN

Stallions and Mares arrived in August, '84.



LEVI DILLON



NORMAN HORSES

(Formerly of firm of E. Dillon & Co.) NEW IMPORTATION

Arrived in fine condition June 15, 1884. Have now a large collection of choice animals,

STABLES AND HEADQUARTERS LO-CATED AT NORMAL,

Opposite the Illinois Central and Chicago and Alton Depots. Street cars run from the Lake Erie & Western and Indianapolis, Bloomington and Western Depots, in Bloomington, direct to our stables in Normal. Address,

DILLON BROS., NORMAL, ILL. F. J. JOLIDON & SON,

Elvaston, Hancock Co., Illinois,



IMPORTERS OF

Another importation just received, ages range from two to four years old. Our stock won fifteen premiums at the lowa state Fair of 1884; also sweerstakes on Clydescale stellions and sweetstakes on Percheron-Norman stallions. 300 High-Grade Marces, 1 foal to our most hoted horses, for sale. Advantages offered to customers at our ranch: Many years' experience in importing and breeding. Impense collections, variety of breeds, enabling comparison of meilis. The bet of everything. A world wide reputation for fair and honorable deslings. Close proximity to all the through railroad lines. Low prices consequent to the extent of the business. Low rates of tran-portation and g neral facilities. Visitors welcome at our establishment, Ranch 2 miles west of Keota, Keokuk Co., Iowa, on the C.R. I. & P.R. R.; Is miles west of Washington, Ia.

BINGMASTER & SONS, Keota, Keokuk Co., Iowa, on the C.R. I. & P.R. R.; Is miles west of Washington, Ia.

THE STRAY LIST.

HOW TO POST A STRAY.

BY AN ACT of the Legnisture, approved Reb 27, 1868, section 1, when the appraised value of a stray or strays exceeds ten dollars, the County Clerk is required, within ten days after receiving a certified description and appraisement, to forward by mail, notice containing a complete description of said strays, the day on which they were taken up, their appraised value, and the name and residence of the taker up, to the Kansas Fareel, together with the sum of fifty cents for each animal contained in said notice." And such notice shall be published in the Farmer in three successive issues of the pape. It is made the duty of the proprietors of the Kansas Farmer to send the paper free of cost, to every county clerk in the state to be kept on file in his office for the inspection of all persons interested instrays. A penalty of from \$500 to \$500 to is affixed to any failure of a Justice of the Peace, a County Clerk, or the proprietors of the Farmer for a violation of this law.

How to post a Stray, the fees fines and penalties for not posting.

fear.
Unbroken animals can only be taken up between the ist day of November and the 1st day of April except when found in the lawful enclosure of the taker.

except when found in the lawful enclosure of the takerno persons, except citizens and householders, can
kee up a stray.

If an animal liable to be taken, shall come upon
the premises of any person, and he fails for ten days,
after being netified in writing of the fact, any other
citizen and householder may take up the same.

Any person taking up an estray, must immediately
advertise the same by posting three written notices in
as many places in the township, giving a correct decription of snob stray.

If such stray is not proven up at the expiration of
ten days, the taker-up shall go before any Justice of the
Peace of the township, and file an affidayit stating
that such stray was taken up on his premises, that he
has advertised it for ten days, that the marks and
brands have not been altered, also be shall give a full
description of the same and its cash value. He shall
also give a bond to the state of double the value of such
stray. Tustice of the Pance Leall within twenty days.

also give a bond to the state of double the value of such stray.

The Justice of the Peace rall within twenty days from the time such stray was taken up, (ten days after posting) make out and return to the County Clerk, a certified copy of the dee ription and value of such stray. If such stray shall be valued at more than ten dol lara, it shall be advertised in the Kansas Farmer in three successive numbers.

The owner of any stray, may within twelve months from the time of taking up, prove the same by evidence before any Justice of the Peace of the county, having first notified the taker up of the time when, and the Justice before whour proof will be offered. The stray shall be delivered to the owner, on the order of the Justice, and upon the navment of all charges and costs. If the owner of a stray fails to prove ownership within twelve months after the time of taking, a comdicte title shall vest in the taker up.

At the end of a year after a stray is taken up, the Justice of the Peace shall issue a summons to three householders to appear and appraise such stray, summons to be served by the taker up; said appraiser, or two of them shall in all respects describe and truly value said stray, and make a sworn return of the same to the Justice.

They shall also determine the cost of keeping, and the penefits the taker up have have head and respects the stary in the penefits the taker up.

stray, and make a sworn results of the same of they shall also determine the cost of keeping, and the benefits the taker up may have bad, and report the same on their appraisement.

In all cases where the title vests in the taker-up, he shall pay into the County Treasury, deducting all costs of taking up, posting and taking care of the stray, one-half of the remainder of the value of such stray.

Any person who shall sell or dispose of a stray, or take the same out of the state before the title shall have vested in him shall be guilty of a misdemeanor and shall forfeit double the value of such stray and be subject to a fine of twenty dollars.

Strays for week ending Jan. 28, '85.

Wyandotte county-Wm. F. Connelley, clerk. COW-Taken up by J W Kingscott, in Shawnee tp, Dec 15, 1894, one cow, about 9 years old, black nose, black knees, a small under bit in the left ear, short stub horns; valued at about \$29.

Riley County -- F. A. Schermerhorn, clerk. MARE-Taken up by Owen T Dix, of Manhattan, one bay mare, 2 years old, dark make and tail, white on right hind foot.

Anderson county-A. D. McFadden, clerk.

Anderson county—A. D. McFadden, clerk.

STEER—Taken up by N Wilson of Lincoln to, Dec

9, 18-4 one white veniling steer with red nose, no
marks or brands; valued at \$20

HEIFER—Taken up by John Denker, of Walker tp.
one red 3 verr-ald helfer, some white on hind legs and
face, no may kee or brands; valued at \$15.

HRIFER—Taken up by John Feddington, of Reeder
tp. one white roan vearling helfer, red neck, crop off
left ear; valued at \$15.

STEER—Taken up by Thos P Gowdy, of Jackson to,
Dec 5, 1884, one 2.v. ar. old red an i white steer, spot in
face, white across shoulders, some white on flanks and
belly; valued at \$10.

Harper county—E. S. Rice, clerk.

Harper county-E. S. Rice, clerk,
PONY-Taken up by A C. lbertson, in Stohrville ip,
an 10 1885, one gray mare pony, no marks or brands;
alued at \$15
PONY-By same, one bay mare pony, weakness in PONY-By same, one bay mare pany, weakness in left eye, no marks or brands; valued at \$25.

Shawnee county--Chas. F. Spencer, clerk. COW-Taken up by W C Jennings, of Menoken tp, Dec 3, 1884, one roan cow, 5 vea sold, tips off both horns, under-sliti, each ear left ear slit, mule's shoe branded on left hip; valued at \$25.

Jackson county-John Q. Myers, clerk.

Jackson county—John Q. Myers, clerk.

HEIFER—Taken up by W I Bonsail, in Douwlas tp, one red heifer with white strip in face, one ear torn as if by dors I year old.

HEIFER—By same, one heifer, mostly red, some white on belly, no marks or brands; both above animals valued at \$42.

HEIFER—Taken up by John Carpenter, of Grant tp, one vearling heifer mostly white with red neck and some sed specks on bods; valued at \$15.

HEIFER—Taken up by M Z Jones, of Cedar tp, one red heifer wi h some white in forehead and on belly, 2 years old, small size crop off left ear; valued at \$18.

STEER.—Taken up by C A Wright, of Franklin tp, one red steer, one year old, white face and white in fank and on belly; valued at \$15.

Bayis country—P. V. Trovinger, Clerk.

Davis county-P. V. Trovinger, Clerk. HE FER- Taken up by A Lundin, in Liberty ip. Jan 3, 1855, one red yearling helfer, white on face and hind legs, short horn, no marks or brands; valued at \$15.

Strays for week ending Feb. 4, '85.

SIEER—Taken up by Magnus Vilander, Big Tim-ber, one red yearling steer, bush of tail mostly white, nick in left bar

nick in left car 2 STLER 4—Taken up by Chas Larson, Leonardville, two red seers coming 3 years old. HEIFRR—By same, one red and white spotted heifer, coming 3 years old, no marks or brands.

Riley county—F. A. Schermerhorn, clerk.

81 EER—Taken up by Magnus Vilander, B'g Timber, our red yearling ster, bush of tail mostly white, our red yearling ster, bush of tail mostly white, our red yearling ster, bush of tail mostly white, our red yearling ster, bush of tail mostly white, our red yearling ster, bush of tail mostly white, one hind legs white helf way up to the knees, 3 years old, the rear soming 3 years old.

2 *ThER 4—Taken up by Chas Larson, Leonardville, who red sieers coming 3 years old.

HEIFER—By same, one red and white spotted heifer, soming 3 years old, on marks or brands.

Chautauqua county — A. C. Hilligoss, clerk.

BEIFER—Taken up by W A Tauksley, of Salt Creek tp, Nov 25, 1884, one red rean yearling heifer, cop of top as d bit out under part of each far; valued at \$15.

COW—Taken up by J G Teney, of Salt Creek tp, one marks or brands visible; valued at \$60. Chautauqua county - A. C. Hilligoss, clerk.

dark red cow crumply horns, white all along belly and in each flank, heart star in forehead, branded R on right side, 4 years old; valued at \$5; HEIFER—Taken up by WD sence, of Washington tp, hec 16, 1884 one red yearling heifer, crop off left ear, und relope in right ear, white in face, branded R on right hip; valued at \$14

Marion county.-W. H. Hamil :1, clerk. SIEER-Taken up by John Odle, in Furplay ip, ne red brindle steer, with half crop off right ear, tranded with letter T; valued at \$15.3

Osage county-C. A. Cottrell, clerk.

COW-Taken up by Wm Str.kenfinger, of Scranton, Dec 13, 1884, one 2-year old red cow, right horn off; valued at \$15.

STEER—Taken up by F L Jones, of Arvonia, Dec 2, 1884, one white steer with red spots crop on right ear act in left ear, indistinct brand on left hip; valued at

Pottawatomic county—I.W. Zimm-rman, clk, ST+ER—Taken up by J S Force, in Lone Tree tp, Nov 12, 1884, one red yearling steer, left ear slit, end of tail whit; valued at \$25.

HEIFER—By same, one pale red yearling heifer, star in forehead; valued at \$18.

HEIFER—By same, one pale red yearling heifer, star in forehead, end of fail white; valued at \$10.

Ness County--James H. Flting, clerk. Taken up by George Norris, of Waring to, 1885, one red line-back cow, L on left side; val-

Jan 17. 1885, one ied line-back cow, hou it resulted at \$2., COW—By same, one dun cow, spot in face, branded on right side something like II; valued at \$20. COW—By same, one white cow with calf, diamond-shaped brand on left side; valued at \$20. SIEER—by same, one 2-year-old brown steer; valued at \$20.

STEER-By same, one 2 year old red heifer, slit in left ear: valued at \$15. HEIFER-By same, one 2 year old white heifer, slit in left ear; valued at \$15. CALF-By same, one black calf, branded something like IL on right side and diamond with line under on left side; valued at \$5.

Shawnee county-Chas. F. Spencer, clerk. STREER-Taken up by Simon Main. (P. O. Dover). Dec 20. 1884, one light roan steer, 1 year old, no marke or brands; valued at \$15.

Greenwood county --- A. W. Hart. clerk.

Greenwood county---A. W. Hart. clerk. COLT-Taken up by 1 B Bohu, Janesville up Dec 22, 1884, one 3 year-old horse coit, pony stock, bright bay, star in forehead no marks or orands; va ued a: \$30. STE-R-Taken up by J E (riswell, Janesville up, Nov 12, 1884, one red and white roan yearling ster, mostly white. crop off left ear and slit in right ear, no brands; valued a: \$25. STEER-Taken up by M B Campbell, Eureka 19. Jan 5, 1885, one red and white yearling steer, under-bit in left: ar, no brands; valued at \$20. In left: ar, no brands; valued white yearling steer, under-bit in left: ar, white belly, white hind legs under-bit in right ear.

STEER-By same, one roan steer, left ear split. HEFFER-By same, one red helfer, left ear split.

HEIFER-By same, one spotted helfer, both ears split.

STEER-By same, one red and white steer, both ears split, under-bit in left ear; value of last six animals, \$90.

Ottawa county-W. W. Walker, Jr., clerk. HEIFER-Taken up by Vincent Krupecka, of Buckeye ip, one red heifer, brown face, 2 yea sold; valued at \$20.

Bourbon county-E. J. Chapin, clerk

GOW-Taken up by R A Johnson. of Pawnee tp, one red cow, 6 y-ars old, white star in forehead, end ot tail off; valued at \$20.

STEER-Taken up by A C Numer. of Marmaton tp one red yearling ster, white on belly, faint brand on left hip; valued at \$15.

Strays for week ending Feb. 11, '85 Cowley county-J S Hunt, clerk.

HEIFER-Taken up by William M-roer, in Bolton tp January 22, 1885 one pale red 2-year-old heif-r, JJ on left side sili ears; valued at \$20.

STEER-By same, one dark roan 2 year-old steer, ind-scribable brand on left hip siltears; valued at \$18.

STEER-By same, one red line-back 2-year old steer, branded H; valued at \$18.

Hodgman county-J. P. A kin, clerk. HORSE—Faken up by Isaac R Dilley, in Roscae tr., Jan 23, 1885, one medium-size hay bo se, L on left shoulder and V on left hip; valued at \$20.

Nemaha courty-R. S Robbins, clerk. STEER—Taken up by Frank Riley, in Clear Creek tp. Jan 25, 1885, one white yearling steer, no marks not brands; valued at \$16.

Jewell county-W. M. Stephens, clerk. STEER-Taken up by R W Owen, Dec 25, 1884, one ed seer, weight 650 lbs., no marks or brands; valued at \$20.

Decatur county-R. A. Reasoner, clerk.

Decatur county—R. A. Reasoner, clerk.

COW—Taken up by J L Worthligton, of Jennings

tp Nov 24 1884 one light red cow, 9 years old, white
belly and star in forchead, branded on left hip O A
and on side with threerindistinct letter; value at \$30.

COW—By same one dark red c w, 6 years old, white
belly, same brands as first; valued at \$30.

HEIFER—By same, one red heifer, 2 years old, white
face and belly, branded LOV on left side; valued at
\$35.

.55 STEER—By same. one yearling steer, red and white, randed W V W on left side; valued at \$20.

Wabaunsee county--H. G. Lecht, clerk STEER-Taken up by I N Davis, of Mill Creek tp. Dec 22, 1884, one 2 year old white and red spotted steer dim brand on left hip, no other marks; valued at \$22

Allen county-R W Duffy, clerk. STEER—Taken up by Wm 1 ynch, Jan 7, 1885, one red and white steer, principally white, bushy white tail, no marks or brands; valued at \$11.

Chase county-J. J. Massey, clerk.

WARE-Taken up by J H Wright, in Toledo tp, Jan 4, 1885 one light corr I mare, no marks, supposed to

14, 1885 one light-forr I mare, no marks, supposed to be 6 years old; valued at \$50.

COLT—By same, one brown sucking mare colt; valued at \$25.

MARE—By same, one sorrel mare, no marks, supposed to be 2 years old; valued at \$50.

HURSE—By same one dark brown horse, no marks, 1 year old; valued at \$15.

BULI—Taken up by P C Jeffrey, in Diamond Creek tp. Jan 3, 1885, one yearling bull, mostly red, with some white spots, white spot in forehead, small ring in right ear: value; at \$15.

MARE—Taken up by David McKee, in Bazzar tp, Jan 19, 1885 one brown pony mare, branded 1 on left shoulder and L on right shoulder, about 15 years old; valued at \$20.

Lyon county-Roland Lakin, clerk.

Lyon county—Roland Lakin, clerk.

MARE—Taken up by H J Stratton, in Elmendaro tp. Jan 2. 1885, one 3-year-old haif-pony mare, no marks or brands visible: valued at \$40.

MARE—Taken up by Ned Armsted, in Emporia tp. Dec 3, 1884, one 3-year-oli dark bay mave, white blaze in face both hind feet white up to first joint, no marks or brands; valued at \$40.

STEER—Taken up by C O Patten, in Reading tp. Jan 71, 1885, one yearling red and white steer, small and staggs; valued at \$15.

SLEKR—Taken up by Charles A Weaver, in Water-looip, Jan 8, 1885, one red and white spotted yearling steer; valued at \$15.

STEER—By same, one red and white-roan yearling steer; valued at \$15.

FARMERS' FIRE INSURANCE CO.,

ABILENE, : KANSAS.

OFFICERS:

J. E. BONEBRAKE, President.

C. H. LEBOLD, Vice President. W. A. MORTON, Secretary.

-INSURES--

FARM PROPERTY

LIVE STOCK Against Fire, Lightning, Tornadoes and Wind Storms.

AGENTS WANTED in Every County in

Kansas. For any information, address the Secretary

A NEW AND SUPERIOR ROUTE

NEW ORLEANS

GREAT WORLD'S FAIR

This Grand Exposition was opened to the Public or DECEMBER 16 h, 1884, by the

PRESIDENT OF THE UNITED STATES And will continue for six months.

THE-

MISSISSIPPI VALLEY ROUTE -FROM-

MEMPHIS, TENN., to NEW ORLEANS, LA.,

Opens up the finest TIMBER, COTTON, SUGAR and RICE LANDS in the WORLD, and offers special at tractions to PROSPECTORs and TOURISTS. SPECIAL S' HEDULE: have been arranged for the benefit of Travelers from points west of the MISSISSIPPI RIVER, with Elegant

PULLMAN PALACE SLEEPING AND DRAWING ROOM CARS BETWEEN

Kansas City and New Orleans,

ROUND TRIP TICKETS on sale at all princi at points Ask for tickets via the "MISSISSIPPI VALLEY ROUTE,"

(Louisville, New Orleans & Texas Railroad.) Information furnished by JAS. S. DAVANT, No. 11 Monroe st., MEMPHIS, TENN.

An Old Soldier's

EXPERIENCE.

" Calvert, Texas, May 3, 1882. "I wish to express my appreciation of the

valuable qualities of Ayer's Cherry Pectoral

as a cough remedy.

"While with Churchill's army, just before the battle of Vicksburg, I contracted a severs cold, which terminated in a dangerous cough. I found no relief till on our march e came to a country store, where, on asking for some remedy, I was urged to try AVER'S

"I did so, and was rapidly cured. Since then I have kept the PECTORAL constantly by me, for family use, and I have found it to be an invaluable remedy for throat and lung diseases.

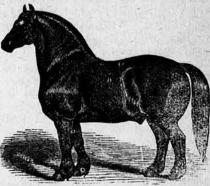
Thousands of testimonials certify to the prompt cure of all bronchial and lung affections, by the use of Aver's Cherry PECTORAL. Being very palatable, the youngest children take it readily.

PREPARED BY

Dr.J.C. Ayer & Co., Lowell, Mass.

Sold by all Druggists.

PERCHERON NORMAN, CLYDESDALE and FNGII-H DRAFT HORSES.



E. BENNETT & SON

Importers and Breeders. Topeka, : Kansas.

All stock registered. Cut legues free



CRESS BROS.,

NORTH-HILL STOCK FARM. Washington. Tazewell o. Illinois, importers and breeders of Clydesdale, English Draft and Norma houses. With our recent statistion of a large importation August 20th together with the sepreticusty on hind have now one of the finest studie illinois. CLYDES DALES made a specialty. Quite a nucler of them have distinguished themselves both in Europe and America as proze-winn rs this season. All are superbly bred. Visitors welcome, and all parties in ne dot such nightness of the control of the

-175 HEAD OF-IMPORTED CLYDESDALES

Now on Hand.



The largest import sof Clyresdele horses, the largest breeder of jure Grestales 37 Mares now in breeding. Moderate price. No equal opportunity can be found elsewhere to buy matured Stalliens or young Stallions and Mares allare. Persons invited to examine the work Correspondence invited. For particulars, call on or address

ROBERT HOLLOWAY, Alexis, Ill. GALBRAITH BROS. JANESVILLE, WISCONSIN,

Breeders and Importers of CLYDESDALE HORSES.



Have at present on hand a splendid collection of Stailions and Mares of all ages, and every animal guaranteed. Our buying far-littles being unequaled, we can offer our stock cheaper than the same quality can be bought at elsewhere. As Send for illustrated catalogue. Correspondence solicited. Visitors welcome. Janeaville is 91 miles from Chicago by the c. & N. W. ralroad, and 20 miles from Rock Island by the C. M. & St. Paul rallroad.

MAR) LAND FARMS. - BOOK AND MAP

Breaking a Horse. porary the manner in which he broke a the use of what some people now call a spirited horse: When a young man, and breeding horses, I found on taking up a nearly thoroughbred filly to break to harness that she was very high-spirited and nervous, and that, unless I was particularly careful, she might take to kicking and rearing during the process. with attempts to run away. I first bitted her well by letting her walk around a short time for several days in succession, in a strong fenced yard with ample dimensions. I then gradually accustomed her to the harness, standing in the stable, letting her first look at it piece by piece, and then smell and rub her head and nose against it; then placed it upon her and led her out and around the premises to look at the diff erent vehicles and touch them with her nose. After a few days of such exercise, I hitched her up to a sleigh-in the open road, so nothing could obstruct the start-alongside of quite a fast trotting and very gentle gelding. Some snow had fallen the night before, and only a few sleighs had passed over itjust enough to show the track. One man stood at her head to hold her, while another jumped into the sleigh to drive. All ready he touched the gelding with his whip, and he instantly started at a rapid gate. The filly gave a wild jump, and then attempted to kick up behind. but her mate in the harness moved so rapidly she had no time for such action -in fact had to gallop smartly to keep up to the other's rapid trot. After going a couple of miles in this way she began to tire a little, when the driver slacked up the gelding to a slower pace. and she settled into a square trot Soon after this he turned the sleigh and returned home, gradually trotting slower and slower, till the last halt mile, which he finished in a walk. The profuse sweat caused from her first rapid action had nearly dried up when unharnessed and put into the stable. She was then blanketed, and, when well cooled, rubbed down. We used her with this fast horse alone-it being necessary, because she herself had a fast natural gait-for over eight months before harnessing her single to a sleigh. and subsequently to a light wagon and buggy, and never had any trouble with her. She retained her high spirit, and wanted to move rapidly on the road, but was always gentle, never offered to kick or rear or run away in harness or under the saddle. She rarely shied, and then only slightly, and proved one of the safest and most serviceable road horses I ever owned.

The Senses in the Dairy.

In dairy work all the senses require to be constantly brought into requisition. It is by the exercise of the sense of hearing that the butter maker learns when to stop churning, or at any rate when it is prudent for her to exercise her eyesight in order to verify the evidence of her ear. The sense of smell is probably the most necessary of all in a dairy; but it has the peculiarity of use, that it is chiefly employed in finding out what ought to exist and what we do not desire to find, very much like the holes in the old woman's stocking. It is quite needless to tell you how useful is the sense of taste, particularly in enabling you to judge of the quality of your products. The sense of feeling has, to a large extent, been superseded in the dairy by the extended use of the thermometer; but still the delicate touch of the experienced dairy woman enables her to judge of the progress and finish of a number of dairy operations, in which the question of temperature does not find a place. It is not necessary to enter into any details with regard to the

need in the dairy of these five senses of A. B. Allen thus relates in a contem- our school days; but I should mention sixth sense -namely, the sense of beauty. because it enables you to place your products attractively before your customers.



EVERY "-1NG that is purifying, beautifying, and curative for the Skin, Scalp, and Blowthe (UTICURA REMEDIES will do. Nothing in medicine so agreeable, so sheedy, and so whole some, Guarantreed absolutely pure by the analytical chemists of the State of Massa husetta, whose certificates accompany every ackage. For clean-ing the first symptomy of Ereman, Parriads Mr. & Crust, Scald Heal Scoffala to other inher ted skin and blood diseases. Curtura the great skin fure, and Cuttcura soar, an eagliste Stin Beautifier, eathermary, and Cuttcura Resolvent the milder, extensity, and Cuttcura Resolvent the way of the present of the company of the sting and further store of the sting and state of the sting and state of the state of the

CATARRH What is Catarrh? RICE SOCIAL STATE OF LY BROSS, ELY OWEGO, HAY-FEVER Give it a trial.

It is a disease of the mucous mem brane, generally originating in the nasal passage is and maintaiting its stronghold in the head, from this point its ends or the a poisonous virus and through the digreative organs, corrupting the blood and producing other coublesome and dangerous symptoms.

Crean Balm is a

Cream Balm is a remedy base upon a correct diagnosis of this disease and can be depended upon.

Ely's Cream Balm Causes no pain. Gives Relief at once. A Thorough Treatment will Cure. Not a Liquid. Not a Snuff.

Apply into nostrils. Price 50 cts. at drug dits; 6 cts. by mail, registered. Sample bottle

ELY BROTHERS, Druggists, Owego, N. Y.

AYER'S Sarsaparilla

Is a highly concentrated extract of Sarsaparilla and other blood-purifying roots, combined with Iodide of Potassium and Iron, and is the safest, most reliable, and most economical blood-purifier that can be used. It invariably expels all blood poisons from the system, enriches and renews the blood, and restores its vitalizing power. It is the best known remedy for Scrofula and all Scrofulous Complaints, Erysipelas, Eczema, Ringworm, Blotches, Sores, Bolls, Tamors, and Eruptions of the Skin, as also for all disorders caused by a thin and impoverished, or corrupted, condition of the blood, such as Rheumatism, Neuralgia, Rheumatic Gout, General Debility, and Scrofulous Catarrh.

Inflammatory Rheumatism Cured.

"AVER'S SARSAPARILLA has cured me of the Indammatory Rheumatism, with which I have suffered for many years. W. H. Moore.*

Durham, Ia., March 2, 1882. PREPARED BY

Dr. J. C. Ayer & Co., Lowell, Mass. Sold by all Druggists; \$1, six bottles for 55.

BUY NORTHERH CROWN SEEDS. Catalog

TONE AND All the leading Strawberries, Grapes, and condition STONE'S HARDY BLACK-BERRY is our speculty nest plants. Lowest crick-Send for List. Coe & Converse. BLACKBERY (vame : aper) Fort Alkinson, Wis.

EDIGREE FIELD SEEDS Brother Farmars: Here I am again, with all kinn of Superior Pedigree Fieldseeds. See teste, prices low. My new Illustrate id serinying J. C. SUFFERN, Bement, Illinois.

CATALPA GROVE

Fruit Farm and Nursery

CATALPA and RUSSIAN MULBERRY TRKES and seed; all reconsists of Strawberry, Black-terr, and Raspberry Plants; NIAGARA (RAPERMARK) and MARLBORY RASPHERMY and for price D. C BURSON & CO., Toneka, Kansas.

SWEET POTATOES !!

Seed of all best varieties, and PLINTS in sea son in large or small quantities, to please purchaser.

The old reliable grower of Sweet Potatoes, BENJ. F. JACOBS,





Vegetable Seeds, Flower and Tree Seeds,

Grass Seed, Seed Potatoes, Onion Setts,

SEED DRILLS, GARDEN CULTIVATORS, &c. Catalogue Mailed Free to all. Address

PLANT SEED COMPANY, 812 & 814 N. 4th St., St. Louis, Mo.





JAMES VICE, Rochester, N. Y.

ashington, Canadian, Surprise, and other ies at low prices. 1300 order now and get our farm Manual, \$1000 in Cash Prizes which we offer \$1000 in conducts of our seed JOHNSON & STOKES, PHILADELPHIA, PA.



GELSDORF BROS.



ATCHISON, KAS. Sell the most reliable SEEDS.

Send us your address and we will mail you

> ILLUSTRATED Catalogue

GRAFT, STOCKS. TREES-Everything to Nuserme, Fit rees and anatours, STARE NUMBERIES, LOUISIANA, Mo. Sistiear 3.0 acres,

Buy Northern Crown Seeds. I



NORTHERN GROWN SEEDS Tested and

FLOWER, VEGETABLE and FIELD, EARLIEST, STRONGEST and most PRODUCTIVE.

5000 worth of Premiums to be given to those who get up Clubs.

500 Gold Watch to the person who sends me the largest Club orders.

31. I will refund up to \$3 on the first order from each State for 1885.

525 in Gold will be given to the person who raises the best acre of the 24 Rowed "Badger" Dent Corn. 50 page beautifully Illustrated Catalog FREE. F. N. LANG, NORTHERN SEED GROWER, Baraboo, Wis.



SEED Warranted to Grow. der refilled gratis. I have sold vereinbe am itower o over a million farmers and gardeners in the ilted States, perhaps some are your heighbors, if so ask them whether they are reliable. Mr. Thomas Henshall of Troy, Kansas, writes me: "For 26 years i have dealt with you. I have lived in lowa. Missouri, Colorado, and Kansas, and no matter what the soil or climate, the result was always the same, to wit:—religiously honers good." This is the kind of seed I raise and sell. The bhard and Marblehead Squash. Marblehead Cabbages, Ohio Potato, Eclipso, are some of the vegetables of which I was the original in-A Fair with 500 in premiums. See my catalogue, free to all.

JAMES J H. GREGORY, (Seed Grower). Marblehead. Mass

Our Illustrated Catalogue of "EVERYTHING FAE GARDEN."

PETER HENDERSON & CO.

Kansas City to New Orleans.

I have much pleasure in advising you that for the especial accommodation of the large number of people in the west who will attend the World's Fair, at New Orleans, the Memphis Short Route South is now running two daily through trains, each way, between Kansas City and Memphis, with a daily line of Pullman Buffer sleeping cars, Kansas City to New Orleans.

No other line runs through cars between Kansas City and New Orleans. There is no other direct route from the West to the J. E. LOCKWOOD,

Gen'l Passenger and Ticket Agent. Kansas City, Mo., Dec. 5, 1884.

The surface of Lake Superior is about 650 feet above tide, while its bed is 260 feet be low tide level. Lake Huron's surface is fifty feet below that of Superior's, and its bed is about on a level with Superior's. The surface of Lake Michigan is 300 feet lower than Lake Huron's, and its bed is sunk a corresponding distance to the level of the other two lakes. Lake Erie's surface is nearly as high as Lake Michigan's, being 565 feet above tide, but its bed is also above tide, being 350 feet higher than the ocean level, consequently its bed is 250 feet higher than those of the lakes above it. Lake Ontario's surface is the lowest of all the great lakes, being less than 500 feet above the tide, but being less than 500 feet above the tide, but its bed is 200 feet below the ocean, or about be seen level or Mighten Hurn and Su. DELAWARE GO. GREAMER. the same level as Michigan, Huron and Superior.

He Thanks His Paper.

Mr. Editor:-I was induced by reading your good paper to try Dr. Harter's Iron Tonic for debility, liver disorder, and scrofula, and three bottles have cured me. Accept my thanks.-Jos. C. Boggs.-Ex.

Rome has become one of the most expensive cities in which to live in all Europe, prople say.

Save Your animals much suffering from accidents, cuts and open sores, by using Stewart's Healing Powder.



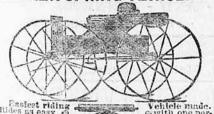
Patent Channel Can Creamery

Used in Dairies now all over the United States. Makes more butter than any other process with less Ice. We manufacture Csuras, Eutler-Workers, etc. First order at wholesale where we have no agents. Agents wanted. Send for circular.

WM. E. LINCOLN & CO.,
Warren, Mass., and Ft. Atkinson, Wis.



Timken spring vehicles!



according to the

NEW MODEL HIGH SPEED MILL.



A new departure for sweep lever eed mills, in grinding ear and shelled corn, oats, rye, barley, etc., etc. By a system of gearing the incer grinding cone of the NEW MODEL is made to revolve

BARNES MANUFACTURING CO., Friendis MARSELLES MPG. CO., La Salle Co., Illinois.

COOK FEED FOR STOCK PARLIN & ORENDORFF

With the TRIUMPH STEAM CENERATOR It will save 1/2 to 1/2 of your feed, and your stock will thrive better and fatten quicker. Send for i'lustrat-ed circular. Address RICE, WHITACRE & CO., 185. Sc. Crant St. Chicago.



Order on trial, address for circular and location of Western and Southern Storehouses and Agents.

• P. K. DEDERICK & CO., Albany, N. Y.

TTHEWS' SEED DRILL.

Hand Cultivator, Wheel Hoe,

SINGLE OR COMBINED. Admitted by leading Seedsmen and Market Garden ers everywhere to be the most perfect and reliable implements in use for planting and cultivating garden crops. Bevare of cheap Imitations! Inquire for the genuine machines which are made only by-

T. B. EVERETT & CO., Boston, Mass.





LABOR SAVING Creamer in the market. We SPECIAL

OFFER OFFER to the first purchaser in every town It will pay you to write at once and get a creamer at less than wholesale prices. Address the DELAWARE CO.

CREAMER euton Harner

ANDERSON, HARRIS & CO.

-Wholesale Manufacturers-

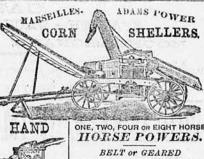


Carriages, Buggies, Phætons,

Platform & Half-platform Spring Wagons. 402 LIBERTY ST., CINCINNATI, O

BEST WORK EVER MADE FOR THE MONEY.

\$5 Sand for Hillstrated Free Catalogue.



FEED GRINDERS. Pumping or Power WIND MILLS,

Iron Pumps, SHELLERS BRASS CYLINDERS

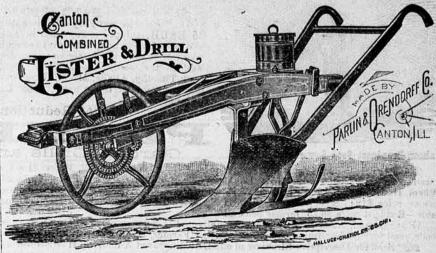
OB MPRENTENE

CORN



2

Manufacturers of and Jobbers in Agricultural Implements.



Cauton Listers, Plows, Cultivators, Harrows, Corn Drills, Hand-life and Horse-lift Spring takes, Evans' Corn Planters, Corn Shellers, and a complete line of Buggles, Farm and Spring Sand for Descriptive Circulars. Address Sand for Descriptive Circulars.

PARLIN & ORENDORFF CO., : : KANSAS CITY, MO.



BEST. CHEAPEST. SIMPLEST.

Sows all grains, grass seeds, plaster, salt, sches, commercial fertilizers — everything requiring broadcasting—any quantity per acre, better and, faster than any other method. SAVES SEED by sowing perfectly even. Not affected by what, as seed is not thrown upwards. Sows half or fail cast, on either or both sides of waron. feasily attached to any waron or cart without indury, and used wherever they can be driven. Lasts a lifetime. Sows 80 acres wheat per day. Crop acrefourth larger than when drilled. Only perfect Breadcaster made; most accurate agricultural implement in the world. Endorsed and recommended by Arricultural colleges and best termers in U.S. Fully warranted—perfectly simple to not be put off with any other. Sind at once for new free illustrated catalogue with full information and hundreds of testimonials.
FOURTH ST., DES MOINES, IOWA. C.W. DORR, Manager once for new free illustrated catalogue with the company, 262 FOURTH ST., DES MOINES, 10WA.

THE KEYSTONE OVER 300,000 IN ACTUAL USE ACENTS WANTED.

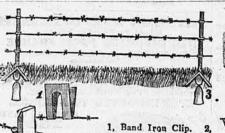


JEC "PLANET JR" HOLLOW STEE STANDARD
As lately introduced, has no equal in the world. Its excellent work in the field
has distanced that of all competitors. It is, in some sections, doing in one
passage, the work of four or five old-style implements, and in others super-

passage, its work of that or energy in presents, and the PPLARE'S ORING the cumbersome and expensive two-horse tools. The PPLARE'S TR'P HAND SEED-DRILLS AND WHEEL HOLES are the newest and best, lightest and strongest known. There are 7 distinct tools, each with special merits, no two alike or the same price; all practical and labor-saving. Let no Farmer or Gardener fall to study up during the winter evenings our 1885 CATALOGUE, which gives reduced prices, careful and exact engravings of these different machines, and such descriptions as will enable the reader to judge correctly of their merits. Thirty pages and forty engravings. Free to all. Correspondence solicited. S. L. Allen & Co., Mfrs., 127 & 129 Catharine St., Phila., Pa.



10 STEAM ENGINES & BOILERS. Carry Engines and Bollers in Stock for immediate delivery.



1, Band Iron Clip. Wrought Iron Post 1 % x 36 in. showing Clip attachment. 3, 8, Cast Iron Anchors, 10 in, long, 2% in. Flange, running parallel to Fence. A, Notch in Post

Cheap and Durable

3. NO ROTTING OF POSTS.

Wrought-Iron Posts and Barbed Wire.

Material furnished at Topeka, at from 35 cts. to 50 cts per red.
Gentracts for construction of fences taken.
For particulars, address

SOUTHWESTERN PENCE CO., 238 Kansas Ave., Topeka, Kansas.



We will send you a watch or a chain BY MAIL OR EXPRESS, C. O. D., to be examined before paying any money and if not satisfactory, returned all our expense. We manufacture all our watches and save you 30 per cent. Catalogue of 26 styles free. Every Watch Warranted. Address STANDARD AMERICAN WATCH CO., PITTSBURGH. PA.

Great Reduction in the Price of

SEED SOWERS. BROADCAST

This is the best HAND SEED-SOWER ever put upon the market, and thousands upon thousands of them have This is the best HAND SEED-SOWER ever put upon the market, and thousands upon thousands of them have been sold. The price was \$10 each when they first came out, and never was less than \$6, until now we are able to offer them at \$5 EACH, shipped to any point in the country by express, charges prepaid. EVERY FARMER SHOULD HAVE ONE, and can afford to now, as \$5 pays the entire cost. The price soon saved, as seed can be sown accurately and not a grain need be wasted. It sows equally well in the wind. Sows Wheat, Oats, Rye, Buckwheat, Flax seed, Clover seed, Timothy, Alfalfa, Millet, Hungarian, Sorghum, Hemp, etc., at the rate of four to eight acres per hour.

Order at once.

Great Reduction in Prices of



Garden Drills and Cultivators.

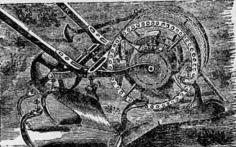
No. 2 Drill—Reduced price \$10, former price \$12; Combined Drill, Wheel Hoe Cultivator and Plow combined—Reduced price \$12, former price \$15; Double Wheel Hoe Cultivotor and Plow—Reduced price \$8, former price \$10; Single Wheel Hoe Cultivator and Plow—\$3. Steel Standard Combined Horse Hoe—Reduced price \$10, former price \$12; Steel Standard Plain Horse Hoe—Reduced price \$9.50, former price \$11; Steel Standard Plain Cultivator.

Vator—Reduced price \$6.75, former price \$10.

Goods packed, ready for shipment, and delivered at Express office or Depot, upon receipt of money at above reduced prices. Order early. If you don't understand the goods, send for full descriptive pamphlet. Every Farmer, Professional or Amateur Gardener should have one or more of the above Tools.

Send for Descriptive Circulars of our Dain Improved Automatic Hay Stacker and Gatherers (our own munifacture). Also our line of Hay and Heavy Machinery.

TRUMBULL, REYNOLDS & ALLEN, Kansas City, Mo.



SEEDS! SLEDS! SEEDS:

THE LARGEST AND BEST STOCK OF FIELD, GRASS AND GARDEN SEEDS IN THE WEST. 5,000 Bushels Red Clover, 5,000 Bushels Timothy, 10,000 Bushels German Millet, 10 000 Bushels Kentucky Blue Grass. 5,000 Bushels English Blue Grass, 5,000 Bushels Common Millet, 10,000 Bushels Orchard Grass, 5,000 Bushels Red Top, 2,000 Bushels Alfalfa. Johnson Grass, Sorghum, Tree Seeds, Hedge Seeds,

in Large Quantities. ALL NEW CROP. Seeds Send for Prices.

NOTICE WHAT OUR PATRONS SAY ABOUT OUR GARDEN SEEDS:—"Not a single ounce but what gave entre satisfaction and were everything we recommended them to be." "Parties sent East, had no success, bought our seeds, and entire satisfaction." "The only strictly reliable seed sold in town." "Will buy no other," etc. Notice the testimonial of the "Kansas City Times," which represents over 1,000 families. No other Seed House can show such a record:

Osage Mission, Kas., July 27, '84.—T. R. & A.: Daty ers: better than seeds they have been buying East and to you requires us to say that the seed we bught of you agare perfect satisfaction in every particular; were considered the only strictly retiable seed sold in this town deld seeds also gave good satisfaction.

ANDREW CLARK.

Las season. It gives us pleasure to make this statement. CHAS. C. COFFINBERRY & SON.

SALISBURY, Mo, July 17, '84.—T. R. & A.: We liked

SALISBURY, Mo, July 17, '84.—T. R. & A.: We liked

ANDREW CLARK.

ANDREW CLARK.

CHAS. C. COFFINBERRY & SON.
OSBORNE, KAS., Aug. 10, '84.—T. R. & A.: Your seeds have given us and our customers the best of satisfaction.
SMITH & HATCH.

HARPER, KAS., Aug. 13, '84.—T. R. & A.: Have sold your seeds for three years. Have always found them to be just as you represented them, fine and true to name and in fact, most of the isarmers will buy nothing else and in fact, most of the isarmers will do to our people, this year and touch out people

method to our people, this year, they were slow to vour seeds first-class in every respect. Our customark Rack, Mo., July 20, '84.—T. R. & A.: The Arrow Rock, Mo., July 20, '84.—T. R. & A.: The Arrow Rock, Mo., July 20, '84.—T. R. & A.: Gens: We wish to say that from the to handle them better than the unrell'ble seets in arden seeds from the to handle them better than the unrell'ble seets in the seeds from the to handle them better than the unrell'ble seets in the seeds from the bound your seeds first-class in every respect. Our customarks are seeds from the bound your seeds first-class in every respect. Our customarks are seeds from the bound your seeds from yo If you have not used our Seeds, try them, and you will use no other. Our 1885 Catalogue, now ready,

Address TRUMBULL, REYNOLDS & ALLEN, Seedsmen, Kansas City, Mo.

TWO-CENT COLUMN.

"For Sale," "Wanted," and small advertisements for short time, will be charged two cents per uo d for each in-bertion. Initials or a number counted as one word. Cash with the order.

SHEEP WANTED-In exchange for half-blood Clyde Stallion. W. Guy McCandless, Cottonwood Falls

SEND to F. E. Marsh, Manhattan, Kas., the veterar breeder, for pure-bred Fewls.

CUT THIS OUT!—Full directions for making and for the following dispares: Cholera, sure cure and preventive, 30 cts.: Roup, cure and preventive, 30 cts.: Roup, cure and preventive, 30 cts.: Gape and Lios exterminator, 30 cts.—all four for \$1.00 Rend Postal Note. Address M. C. Cooper, El Dorado, Kansas.

FOR SALE.—Plymouth Rock and Partridge Cochin Cockerels. Good stock. S. R. Edwards, Emporia

BALDWIN CITY NURSERY—Sixteenth year. Apple Trees for sale cheap. Of the leading and best varieties for Kansas: 7,000, 5 to 6 feet, \$50 per 1,000, \$6 per 1001; 4,001, 4 to 5 feet, \$40 per 1,000, \$6 per 1,000, \$6 per 1,000, \$2,000, 2½ to 3½ feet, \$30 per 1,000, \$3,50 per 1,000; \$2,000, 2½ to 3½ feet, \$30 per 1,000, \$2,50 per 100. All boxed and on care, free. Reason for such low prices, want to change location of Nursery. All kinds of nursery stock equally as low. Wm. Plasket, Baldwin, Kansas.

REMOVED-Skinner's Shoe Store, to 219 Kaneas avenue, corner of Seventh street. FOR SALE—Two full-blood Jersey Cows and two Bull Calves. Address S. F. Davidson, Treasurer's office, A., T. & S. F., Topeka, Kas.

HIGHLY GRADED Short-horn Cows, Heifers & Calves

For sale. Bred to a Sharon Bull. Apply to MAKIN BROS., Florence, Kas. HEDGE PLANTS!

6,000,000

-For Sale by-BABCOCK & STONE, NORTH TOPEKA, KANSAS.

Red Cedars and Timber Tree Seedlings!

LARGE STOCK! LOWE FPRICES! Transplanted Red Cedara (sure to grow). Hardy Catalpa, Russian Mulberry. Cottonwood, Sycamore, Yellow Willow, White Ash, Elm, Box Elder, Muples, Dogwood, Red Bud, Sweet Gum, Tulip Tree. Strawberry and Kasp berry plants, Apple scions and grafts, Peach pits, Black Walnuts, the famous "Old fron-Clad" Strawberry, the hyrdiest and best strawberry yet produce. Write for DALLEY & HANKORD. h rdiest and best strawberry yet produce. Write ic Price Lists. BAILEY & HANFORD, (On Ill, C. R. R.) Makanda, Jackson Co., Ill.

MAMMOTH SALE

MARES.

GALLOWAY :: CATTLE

The Clydesdale Horse Company of Rockford Farm, Cedar Rapids, Iowa, and Glasgow, Scot-land, will sell at Public Auction at their Amer-ican Headquarters, a large number of Clydesdale Horses and Marcs; also Polled Cattle, on

Thursday, February 26, 1885.

They have been selected with great care, and strict attention has been paid to their breeding On inspection they will be found to be decidedly the best and most uniform lot ever off-red. The mares are all in foal to our best stallions Catalogues on application, giving terms and conditions of sale. Address,

THE CLYDESDALE HORSE COMPANY,

Rockford Farm, Cedar Lapids, Iowa. WM. BUCHANAN, Manager W. JUDY, Auctioneer.

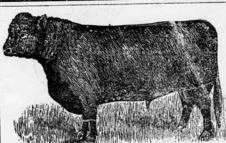
Wayne, Du Page Co., Illinois,
HAS IMPORTED FROM FRANCE Percheren Horses valued at \$8,000,000 which includes

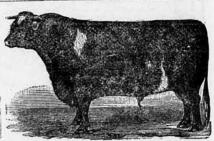
75 PER CENT OF ALL HORSES Whose purity of blood is established by their ecorded in the STUD BOOKS OF FRANCE



150 Imported Brood Mares 250 Imported Stallions 100 COLTS fwo years old and younger.

Recognizing the principle accepted by all intelligent breeders that, however well bredammals edigrees are not recorded, and cannot be authentically diven, they should be valued only asgrades, I will sell all imported stack at Grade Prices when I cannot furnish with the animal soid pedigree verified by the original French certificate of its number and record in the Struk silustrated with Six Prize Horses of the Exhibitor. Its Societe Hippinge Percharonne of a Proceedings of the Societe Hippinge Percharonne of the Proceedings of the





THE LEONARD BROTHERS,
Importers and Breeders of

Galloway, Aberdeen-Angus and Short-Horn CATTLE,

SPANISH - JACKS - AND - JENNETS, : : : : MISSOURI. MOUNT LEONARD,

A very choice lot of Black Polled and Short horn Grades for sale. Carload Lots a specialty for Ranchmen. We have some of the largest and choicest herds of Pure-bred Stock to select from.

Prices Reasonable. Call on or address

LEONARD BROTHERS, Mount Leonard, Missouri.

Oakdale Park, SALINA, KANSAS,

-ON--Thursday, March 5, 1885.

FRANKR.SHAW

Will hold bis Second Annual Sale at the above time and place. The offering includes—
"Lord Blantyre" (2242), a horse that has no equal in America—the winner of three gold medals and eight first prizes at the great Chicago, St. Louis and Topeka Fairs, also at the Western National, at Lawrence. "Lord B." is justly tived the great Darnley's greatest son. Also "Links of Forth" on the first and second prizes in Scolland before he was three years old—"Grafton," "Glenforn (2223)" (Clan Alpine" (1098), the winner of nine first and second prizes in Scolland before he was three years old—"Grafton," "Glenforn (3844). "Bonny Brig," and "Glentore" (38.9). Such a lot of Stallions never were brought together in Kanasa before.

The Mares are a fine lot, many of them the get of Robert Beeth's celebrated horse "Royal Exchange" was sold for \$6,000 seven years ago, when that was thought a large price. The Mares are all young and bred to "Lord Blantyre."

A large tent. comfortably seated and heated, will insure comfort on day of sale. Free lunch. Reduced rates at principal hotels, and goo! treatment to all is guaranteed. Catalogues now ready. Correspondence in Coll. S. A. Sawyer, Auctioneer.

P. S.—I give a satisfactory guarantee that all stock is just what I represent it to be, and can show any man abetter tot of stock than any man or firm in Kansas.