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CATtLE.
T. J. McCREARY, Highland, Doniphan Co., Kas. Mentlon Kansas Former. Farm adjoining town. Mention Kansas Farmer.
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for sale. Address Wm. Miler's Sons, Wayne, Neb. FNGLIBH RED POLLED CATTLLE. - Young stook Noitoited. Address L. K. Haseltine, Dorohester Greene Co., Mo. [Mention Kansas Farmer.] For sale cholee young bulls and helfersat reason-
able prices. Callon or addreas Thos. P. Babst, Dover,

## IT WILL PAY

 Those desiring cholee HoLsTEIN-FRIEBIANS atreasonable price日 to
Horregond with us or visit our Berd. MoKAY \& SONS, GEnE8EO, IoWA. Kansas City Hera. head in herd. THe larer sitin
the world. Young stook, both


JOS. FUHRMAN 1868 Oaklawn Farm. 1898


Breecer
PERCHERON FRENGH COAOH HORSEE
stook for sale. Vis-
tory
voloome.
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 DEER PRRS SOOX P PRIII hume, missourl
J. M. OLIVE, Proprietor,
Importer and breeder of Span-
Ish Jacks.
14 Black Spanish Jacks With white polnts; 8 to 6 yerrs old; 14 to 15 hands
high; fine style and good perrormers. Prices: 8650
to 81000 Satisacto Also have a few Missourl-bred Jacks for sale.
Prifen to suit. Correspondence sollelted.

Percheron

MAPLE GROVE FARM, FREMONT, NEB.






Henry Avery, Wakefield, Kansas,


Percheron and French Coach Horṣes. Twenty Years' Exporlenee
Of the most fashlonably-bred animals that money oould buy, enables me to offrer my patrons the
largest, most melect fashlonably-bred stud in the
West to eelect from. West to seleot from
Cholce young stal
at reasonable prices.
Brilliant III. 11116 (2919), winner first prize at an-
nual show Society Hipplque Percheronne, Nogentnual show Society Hipplque Percheronne, Nogent-
le-Rateou, 1888, now at the tead of the stud. Send for catalogue. Visitors always welcome.

## FRANK IAMS



IMPORTER AND BREEDER. 100BLACKPERCHERONS FRENCH DRAFT, CLYDES AND SHIRES
Iams' horses were "out of sight" at the great ge
Loums fair, and Kansas and Nebrask State fairs
of 1891 and 1892. Kind IAMS' TEN WORLD'S FAIR HORSES
They Were Winners of 141 Prizes.
 GRAY, HORSES \$300 LESS THAN BLACKS.
 old- 1, too to 2,200 weight and at ALLLANCE PRICES AND TREMS, one, two or three years time at 5 pe
cent. Interest, or cheaper than any live importer, or pay your fare to see them, and lams pays the freght.

MORE STATE PRIZE-WINNERS THAN ALL NEBRASKA IMPORTERS.'
 Writ

 TOPEKA LINSEED OIL WORKS, Topeka, Kas.

## FAY <br> 


Now Yelow Dent (oxtra Early whariv Dent


## O2OUReed ${ }_{\text {of }}^{\text {of }}$ ist quality can be ber mail. Mayhap you know it. by freight, prepaid if hap you know it. By fre 4,5 or 6 ft . trees; S-yr. Roses of rare excellence-everything. stuff. 1,000 acres Nurseries. 20,000 acres Orchards. Exact information about trees <br> 



DIVIDED AS FOLLOWS: First Prize, \$2c0; Second Prize, \$100; Thir 835; Sixth Prize, \$20; Seventh Prize, 810, PRICE, $\mathbf{5 2 . 5 0}$ per buehel, Including bags.

Lorre seed Ton



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Reports.
The American Berkshire Association. Editor Kansas Farmer:-The eight eenth annual meeting of the American Berkshire Association was held in the of fice of Col. Chas. F. Mills, its President, Springfield, III., January 18, 1893
very great increase in the business onced a very great increase in the business of the
association, and showing that the Berkassociation, and showing that the Berkstandard of all swine, but are in increased demand.
The rules for entry for the record were amended to read that the registry of animals under 1 year of age shall be $\% 1$ each,
and $\$ 1$ additional for each year thereafter. That transfer fees shall be $\% 5$ cents each if sent for registry within six months of change of ownership, and 50 cents each for
animals not sent for record within six animals not sent for record within six
months from time of change of ownership. It was also ordered that after March 1, 1893, wery patron of the record who does not own a full set of the records of the every application for registry, send 10 eents appaication for registry, send 10
cent in the regular registry fee, the said 10 cents to be recedited to the party making the remittance, and when the $\$ 5$ the earliest issue of the volumes of the record shall be sent in payment therefor. It was also ordered that at all State and
Provincial fairs where separate classes are provided in 1893 for recorded Berkshires. the American Berkshire Association will offer a special prize of the firss ten volumes of the American Berkshire Record, valued
at of not less than five recorded pigs under 6 months of age. bred and exhibited by a resident of the State or Province in which the
fair is held.
The conditions upon which this premium
is offered are as follows: First-That the is offered a are as follows: First-That the competing animals be recorded in the Amer-
ican Berkshire Record prior to date of entry ican Berks hirre Record prior to date of entry furnished the Secretary of this association at the close of the fair. Second
That these offerings and
be printed in the premium list of the be printed in the premium list of the swine, or that reference be made at the close of the classification of swine, to the publication of this announcement elsewhere It is to the interest of breeders in every State to see that the above conditions are
complied with by their fair association. comphied with by their fair association,
C.F. Mills, President, and J. G. Springer,
Secretra, were re-elected.


FOSTER, WATKINS \& CO.,
Importers of Poitou and Catalonian Jacks, Belleville, Kansas.

A Successfal Kansas Windmill. It is more than probable that within the next twelve months some of the thousands of Kansas Farmer readers will make a selection of a wind-mill, and will no doubt exrcise skill and judgment in buying the most practical and durable. The Currie Wind-mill Company, of Manhattan, Kas., beg leave to announce that they now have
mill, both in sterl and wood, one that is as near perfection as human skill and ingenuity can make. In giving a few facts boiled down, they say: "It is not necessary to give a long description of our steel windmill, it being so simple that a glance at the cut willexplain itall,as it has no complicated parts, such as cams, elliptic gear with traveling axis, sprocket wheels and chains,
weights, links, levers and other useless weights, links, los to mat or parts too numerous to mention. Our pivot or turntable, governor, wood boxes and pump drive are just the same as we have been using with our wood wheels and vanes for the last five years. All the changes wo have made is to build a steel wheel and vane, and placing on a simple set of spur gear so as to allow the wheel to make three revolutions for one stroke of the pump, so
we are not putting out a new and untried mill, but one that has stood the test for the last five years in the North, South, East and West, and has gained an enviable reputation. The outside rim of our wheel does not go about half way out on the fans as unsum do and leave the outer ends of fans unsupported and flapping around like rags on a clothesine, but encircles the whole rigid manner. Most manufacturers of wind-mills print a table giving the size of
cylinders to be used with their mills for different depths of wells. This we do not do but say use the size of cylinder you have on your pump, or if you are going to buy a now one, get the size you want, for our mill is a pumper, and will pump from any well that has got a bottom toit, no matter how deep. set so the wear is on the end of the grain. No climbing the tower to oil. They never wear out.. Wood boxes have been used for years and stood the test.
"Our steel tower is a model of strength and neatuess, and like our wheels, is built heaply and serviceable.
"In conclusion will say, if you want the nost powerful, strongest, best made, least that will work on any kind of pump, with ny size of cylinder, and in any depth of well, one that will wear the longest, and the prettiest looking, then buy the Currie Steel Mill.
All mills shipped on trial. Be your own jade by giving them a trial. If not satis factory
"Wrices. have excellent shipping facilities, being located on the Union Pacific, Atchison Topeka \& Santa Fe , Chicago, Rock Island \& Pacific, Manhattan, Alma \& Burlingame, Chicago, Kansas \& Nebraska and the Blue Valley railroads. So we can make direct shipments north, south, east and west Also can get low freight rates.
"Our mills are so simple that any carpensent in the box with each mill."

On this page may be seen a fair illustra
tion of an imported jack of the olass which
are meeting with such demand among stockmen. Regarding the present condition of trade, Foster, Watkins \& Co., say: "The oitou jacks are doing remarkably well and he the inquiries for jacks are evry nume he demand is even greater than the supply The Poitou jacks, having such great size and bone, and being great breeders, are selling rapidly. Their strong constitutions, smoothness, life and proiific breeding qual ities, are other points very much considered by buyers. The catalonan jacks are also oing w very satisfactory."

## A New Bit.

The attention of horse owners has been Stracted by the merits of the "acine just patented by the leable Iron Co., of Racine Wis., the makers of the famous "Jay Eye See" bit.


The new bit is different in principle and embodies many improvements on old-style bits. It can be adjusted for mild or severe use, and is well calculated to meet with uniAlthough new to the market the demand has already assumed good proportions and the trade is anticipating a very large sale. For the benefit of those who are interested In such matters the manufacturers issue a
descriptive catalogue which they send without charge to any one making applicartion to their address.

## The Stock Interest.

SHORT-HORNS AND THOROUGHBRED

## OATTLE

By Col. H. M. Valle, Independence, Mo
We have among us several other bee breeds of cattle besides the Short-horns, claiming the attention of our breeders, and said to be thoroughbred, viz.: The Herefords, Devons, Galloways and Angus, al very unlike each other in many important particulars, and among them you can find some really good
cattle, and I consider they have their location and place.
While I am a Short-horn man, believe in them, can make quicker and better beef from them than any other, yet, because of this fact, I truct I am not prejudiced unduly in their favor, nor against any other class, for I am quite human, and I may say breeding cattle living; ind more of a diversion than a living; and, like other men, would have that class, best class, but the best of that class, hence would be unwise to any breed or any family of that breed, and I would that we might consider this question to-day with open eyes and hearts, forgetting all self-interest and seeking but the truth, and that we may have a platform upon which all can stand, or a standard which will com mand the assent of all. I will name best beef animals for this platform or standard: Head small, neck short and stanall, not over twelve inch short and shoulder points to the jaw-bone, and in a bull, a good crest, indicative of masculinity and free from dewlap, shoulders not only deep but thick-and thickness is much more important than depth, not coarse, and well covered ing little or no depression behind the shoulders, making a large beart girth fore-ribs and ribs well sprung and long, and carried well back to the hip, loin wide, hips low, without hocks, enabling wide, hips low, without hocks, enabling
the flesh to be carried over them evenly and smoothly to the rump, and that of fair length and full, having no vally or fool piece at the end, thighs and hains full and running well down, bone small but solid, legsshort, hair thick and fine next to the skin with long hair among it for, protection, skin rather thick, and at the same time soft or mellow. This I consider the stamp and style of a good beef animal, and doubt if you could find a sensible objector to it. Here, then, we have the starting point, the unit, the scale to weigh all classes by, and snch as fall below this standard we often as they fall short.
My description above is the description of some Short-horns of to-day, what would bit to be, and what most of them It was the form of the cattle of the earlier Percy and Milbanks, who bred good cattle'nine hundred years ago. It Maynard and Colling, and from them into the hands of Robert and Charles Colling, to Stephenson, for his Princess family came in an unbroken line to him from the Milbank-Percy stock to Bates, Mason and even Booth, for Booth's earlier Short-horns were of this same blood, left some unpleasant effects. All along this line for these hundreds of years this same noble form had been carried to our day; not all of these families by any means, but enough of them to keep alive and perpetuate the form I have
described, and whoever thinks he is breeding better cattle to-day than existed in Britain at the time of the Norman conquest, is unfamiliar with the description and history of the cattle of fashion would play with them, somefashion demanding most enormous hips and hind-quarters, until the cows were unable to drop their calves, upon the plea that the loin, rump and round
furnished the best beef, and they could not get too much of it.
Later, the rump and hind-quarters were whittled down to a point, and the fashion was immense shoulders, crop thrown for weight, and reputed mas-
culinity. Not all the breeders were
carried away by fashion to the malformation of their stock, by any means, bull Hubback, and the cow Favorite bred by Maynard.
While Robert and Charles Colling are recorded as improvers of Short-
horns, they were never able to breed horns, they were never able to breed better animals than they bought of
Stephenson and Maynard, their first Duchess and Hubback.
We have families of cattle called Bates. I have them and I love them did not originate them, and never named them for him, but gathered them from these breeders I have named and others who had this same blood, and never. W as he able to breed better cat-
tle than he bought, and all the credit tle than he bought, and all the credit
he is entitled to is that he had sense he is entitled to is that he had sense pedigree of his six families he finally obtained-discarding all his earlier families as worthless or unsatisfactory by record or tradition for near one thousand years, and finding all along
that long line they had been good cattle, he bought them, and in his exultation he declared he had the only pure and
good blood in the world, and I am of good blood in the world, and I am of
the opinion, after experimenting with the opinion, after experimenting with
many of our good families, the same as many of our good families, the same
he did, it is the best blood in the world. We all know capability a fixed ha or type; potency or pre-potency is an inheritance, be it in man or beast, and the longer that line of inheritance, that fixed habit, the stronger it becomes
and the more reliable it is. If these and the more reliable it is. If these please, were early-maturing, had the habit of assimilating food to flesh more perfectly than other cattle one thou-
sand years ago, and all along that line down to the present time, ought not that habit to be very firmly fixed by this time, provided it has been mated or
bred properly? Now I will leave these bred properly? Now I will leave these briefly consider the
HEREFORDS (AND OTHERS)

HEREFORDS (AND OTHERS)
These are cattle with merits, and are the supposed admixture of the Shorthorns and Montgomeries. Some writers say they are an admixture of the Dev-
ons and Glomorgoms, but I doubt this, and I believe the first supposition to be true. Less than one hundred years ago they were reds, browns or brindles, with no white on them, and their white Montgomeries, but, be that as it may, Montgomeries, but, be that as it may,
they have white faces now, which they usually beget on other breeds. They have large heads, which is offal, waste, and this costs just as much to produce, each extra pound of head, as so much the head. Their necks are long, coarse, with heavy dewlaps, which is either waste or poor beef, and we
must discount them again, not as our must discount them again, not as our
standard; their shoulders lack thickness and chimes fullness, though deep enough, their ribs are too hanging, their rump not full enough and their hams as a rule are
what is called cat hams, and they must have a discount for each of these defects. They mate well with the Shorthorns in the first cross, and produce horns in the first cross, and produce our common cattle they perpetuate their defects, even to an intensity, and be said to be good graders of them. DEvoNs.
These cattle have a longer traditional line of ancestry unbroken, than the Short-horns or any other breed. They were the principal cattle of Italy long
before the Christian era, and were the cattle used, undoubtedly, by Hannibal for his pyrotechnic display to frighten the Romans from their impregnable pass, and it must have been a grand and frightful sight to see four thousand burning torches tied to the horns of two thousand cattle rushing madly up the mountain side, scattering fire everywhere, and it is not strange the Romans I must admit, the Short-horns would not have answered Hannibal's purpose as well, for their horns, necks and legs are too short, and their action too slow brought these cattle into Great Britain at the time of their conquest, and until for agriculture and road purposes,
easily traveling six miles per hour for hours if necessary. From England they came to us, and we have bred them after their style and form. They are rustlers, our best mountain and poo herbage cattle, as they will climb around amid the rocks like the deer and elk, and will live where they can. They have the most perfect digestion
of any of the bovine race, and will be in great demand for our mountain countries in later years. The Romans took this same family of cattle also with them on their forays and conquests of Spain and Portugal, and from those countries they were brought to South America, Mexico and Texas. Texas and Spanish cattle are the legitimate descendants of the Italian cattle of
ancient history, and we see in them ancient history, and we see in them mountain Devons of Great Britain, viz., the head, horns, neck, shoulders, length of ribs, light hind-quarters,
length of legs and character of bone. length of legs and character of bone.
While these cattle are superior to While these cattle are superior to
Shbrt-horns in rough, mountainous countries, and upon short and poor herbage, they cannot compare
them in our rich grass countries.
While galloways.
the Herefore cattle are very unlike their defords, yet they have many of which are usually good. They have most wonderful hide and hair; it is a perfect shelter and is suited to a cold climate, but it renders them dull and stupid in a warm climate, con
they are out of place in such

## hey are out of place in such.

Tradition says they are an admixture of the black ox of Africa, which was a low, small-horned beast, and the Shorthorn, but I believe they are a mixture of the black ox and West Highlander. Certain it is, about the middle of the last century, most of them had horns, and were classified as middle-horns, and their hair and color were quite the same as the West Highlanders. While good cattle, they have the fault of being late in maturing, and not good
graders on our common cattle, hence graders on our common cattle, hence
cannot rival the Short-horns, and are the more expensive beef.
The Angus, an offshoot of the Galloways, and, I believe, an admixture of the Short-horn, are more refined in head, neck, ribs and rump, than the Galloways, and I believe a better beef animal, though they do not mix well affected by the heat, and their place is affected by the heat, and their place a cold climate and on rich grass Now we have disposed of all the principal beef breeds, and because they are not after our pattern and standard we and climate, where they are not only useful, but our best cattle, and we return to our favorites, the Short-horns, and since we have branded them the best beef catlle in the world, you will want me to sell you how to breed and raise petuated or obtained, and in doing so I petuated or obtained, and in doing so I know, and knowing, fail to practice. know, and knowing, fail to practice.
First, if you are a new beginner, cows as near the above form as you can, having great care as to their thickness through the shoulders and heart girth, or a thin, flat chest can never quick feeder, or the producer of good, such are always deficient in lung power and the lungs need a wide floor, spread and the lungs need a wide foor, spread out to rest upon, that there may be a
free, uninterrupted circulation of air through them to thoroughly oxidize the blood and food taken into the maw. Cattle are natural and intelligent chemists, and their business in life is to convert grass and grain into flesh and the perpetuation of their race, and they seldom make a mistake in mixing their compounds or doing their work. mate particles of matter, but in inanihours after eaten by cattle, in a few of this matter is endowed with life; it of this matter is endowed with life; it
moves, it sees, it hears, it feels, and is intelligent, organized matter. Man cannot make flesh out of grass and grain by any process known to chemists, hence must employ these natural chemists to do it for him, and the of the best quality, out of the least containly the best worker or chemist for


Hood's Sarsaparilla



EATHER kept soft but stocky with Vacuum Leather Oil ; 25c, and your money back if you want it. Patent lambskin-with-woolon swob and book-How to Take Care of Leather-both free at the store.
man to own, for food represents man's labor, his strength and capability. But these chemists cannot do a good job quickly unless they have skill in that line; unless they have the habit of doing it, and no animals can possibly have this habit unless they have good lung power. Food taken into the maw, if it
long remains undigested creates a long remains undigested creates a making the animal ill, preventing the assimilation of that food to flesh, and consequently it passes off as waste.
Digestion will be indifferent in a cow unless she can breathe in an an of oxygen, and this element burns up the carbon of the food, and enables the cow to assimilate the nutritive part of it to flesh.
While a good cow is a good thing and very desirable, yet it is of minor importance in comparison, with the bull, for you must not forget a bull is the half of the herd, in the produce, be his calves one or a hundred, hence, should be selected with the greatest care. Not only should you look well to his individual merits, but to his pedigree as well, and how he has been bred and kept, and what are the merits of the stock of his breeder, kept in a natural condition. I say, look well to the pedigree, as well as the individual, for we
have all seen good individual bulls, the have all seen good individual bulls, the produce of the first cross on a "scrub" low, but such you know cannot be reliable. Then again, is it not true that a long line of well-bred and mated animals are better than a short one no better bred? Would you think a man wise or sensible, he having his choice of two animals about the same in merit; one, we will say with twelve crosses of good
bulls, the other with only four, if he bulls, the other with only four, if he
should select the short line instead of the long one? If there is such a man he will certainly make a failure of he will certainly m
Having determined, settled in your mind, just the form and style of Shorthorns you want, and have a bull to suit you, be it my form above described or
any other, then stick to it. Select your any other, then stick to it. Select your
bulls ever after of that same character for, if you are changed by every freak of fashion, caprice or passing breeze, you will prove yourself a mere mixer of incongruous matter.
All breeders love uniformity in their breeding, but how can they expect this When they select a different formed bull
as often as they change bulls? as often as they change bulls? The
production may be like the sire, or like prither of the earlier ancestors, they can never tell which; hence, stick to your
chosen form, and if you desire to imchosen form, and if you desire to im-
prove it in some points, don't attempt prove it in some points, don't attempt
too radical a change, for you may breed too radical a change, for you may breed
even greater defects, for instance: If even greater defects, for instance: If markably good in this regard and deficient in the shoulders.

## (To be continued next week.)

The verdict of the people is that Dr . Bull's Cough Syrup is the best remedy for coughs, colds, sore throat, asthma, etc.

ICAINEAS TMARMTHR．

## Agricultural Alatters．

DEOEMBER OROP REPORT．
The government crop report for De－ cember，issued January 9，1893，give final summing up for the last yoar
Prices．－The December returns re－
late to the average farm price of the latious agricultural products on the first day of the month．In examining the figures，which are presented in de－ tail by States，it must be borne in mind that they represent the prices received by producers for their own crops，either on the farm or in the nearest local town or railway market．In any com－ parison with commercial quotations due allowance must be made for ex－
penses of handling，marketing and penses of handling，
proits of midalemen．
CorN．The corn crop of 1892 is esti－ mated at $1,628.464,000$ bushels，grown on 70，626，658 acres，valued on the farm at $\$ 642,146,630$ ．The average yield per acre is 23.1 bushels and th
price 39.3 cents per bushel．States has been thoroughly revised in accordance with all available data，including na－ tional and State census enumerations， correcting discrepancies of recent and previous annual comparisons of acreage． The crop of corn is short，exceeded in quantity seven times in the last ten years，but slightly larger than in 1883 ， 1887 and 1890 ．The area is consider－ ably reduced，the reduction being heaviest in the great corn－producing
region，though offset in part by in－ crease in the Atlantic States，and throughout the entire cotton belt．In the valleys of the Ohio and Missouri， planting was retarded and limited by The figures by States are

| States and Territories． | Acres． | Bushels． | Value． |
| :---: | :---: | :---: | :---: |
| Mai | $\begin{aligned} & 13,287 \\ & 25 \times 427 \end{aligned}$ | $\begin{aligned} & 472,000 \\ & 957,000 \end{aligned}$ | $\begin{gathered} 8316,032 \\ 6222,25 \end{gathered}$ |
| Vermont．．． | 45 ，229 | 1，643，400 |  |
| Maseachusetts．． | 40，0，9 | 1，550，000 | ${ }^{981} 17175$ |
| Rhode Ifland．．． | 9，132 | ＋305，000 | 192，156 |
| Conneetiont | 43997 527,689 | 17，414，0001 | 10，418，$\% 42$ |
| New Jersey | 288，7 | 9，124，0 |  |
| Pennsylvania | 1，299，406 | ${ }_{39,632,000}$ | 22，661，176 |
| Delaware | 629，361 | 12，955，000 |  |
| Miryland | 1，708，706 | 28，067， 000 | 13，815 |
| North Caro | 2，485，010 | 25，347，000 | 13,68 |
| outh Car | ${ }_{2}^{1,5915}$ | 16，992，000 | 18．475，481 |
| Georg a． | 2，491，379 | 4，422， |  |
| Alabama． | 2，513，624 | 30，666，000 | 15，916， 12 |
| Missise | 1，990， | 27，272，000 | 13，9，${ }^{\text {a }}$ ，909 |
| Louisiana | 1，441，211 | ${ }_{73}^{15642,000}$ | 33，188，862 |
| Arkans | 1，962，524 | $34,34,0$ | 16，141，760 |
| Tennessee | 3，118，431 | 61，274，CCO | 26，347，884 |
| Weat Virginia．． | 636 | 14，822， | 27，522，${ }^{\text {2 }}$ |
| Kentucky | 2，852．157 | 83，853，000 | 35，218，435 |
| Michigan． | 0，8，719 | 23，218，000 | 10，680，269 |
| Indiana． | 3，523，761 | ${ }_{163}^{103.33,000}$ | 41，${ }^{3,171,093}$ |
| Hlinois．： | 1，001738 | $27,377,000$ | 10，492，430 |
| Minnesota | 1，898，012 | 24，192，000 | 8，951，160 |
| ． | 7，074，930 | $200,241,000$ | ${ }^{64,070,566}$ |
| Missour | 5，505，0 | 145，822，000 |  |
| Nebrask | 5，572，523 | 157，145，000 | 4， 0000642 |
| South Dakota． | 794,01 17515 | 17,7060,000 | ${ }^{5} \mathbf{1 4 9 8 9 2 8}$ |
| Montana |  | 21，000 | 14，36t |
| Wyoming | 2，050 | 38，000 |  |
| Colora | 12， 29,250 | 2，785\％，000 | 1，109，202 |
| New |  | 81,000 | 52，894 |
| Otah | 8 8，750 | 1800 | ${ }^{91,551}$ |
| Idaho |  |  | 110，700 |
| Orago | 13，400 |  |  |
| Californ | 72500 | 2，197，000 | 1，208，213 |
| Total | 70，628，658 | 1．628，444， | ＊642．14 |

Wheat．－The wheat crop is slightly above an average one in yield per acre， and in volume was only exceeded in 1891，though the crops of 1880 and 1889 mated at $38,554,430$ acres，producing $515,949,000$ bushels，valued on the farm at $\$ 322,111,881$ ．The yield per acre is 13.4 bushels and the value per bushel 62.4 cents．In the revision of acreage changes are made in some States in years has been heavier than had been reported．
The crop is reported in measured bushels．The average weight of the measured bushel will be determined later，but it is probable that the aggre－ gate crop will be equivalent to nearly
$500,000,000$ commercial bushels． OATS．－The estimated erop of oats is
$661,035,000$ bushels，grown on $27,063,835$ acres，and valued on the farm at $\$ 209,-$ 253，611．The average yield per acre is 24.4 bushels and the average price 31.7 cents per bushel．The increase in oats production during the past decade has agriculture．

The Eatimates for 1892 by states．

| States and Territorices． | The Estimates for 1892 by State |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | wheat． |  |  | oats． |  |  |
|  | res． | Bushers． | Value． | Acres． | Bushels． | Valu |
|  |  |  |  |  |  | 81，844，019 |
|  | 8．730 | 151，000 | 14.148 .4 |  | 3，784， | 2，62\％，94 |
|  |  |  |  |  | 边 | － 61.148 |
|  |  | 8，405，000 | 7，14，385 | 1，3488，1888 | 38，720，000 | 15，10 |
|  | ${ }^{124}$ | 17，787，000 | 15，6858，3030 | 1，177，148 | 3， $3,66,680000000$ | 11，${ }^{1,665,982}$ |
|  | 1，34，005 | cole | cole | （1，${ }_{\substack{22,15 \\ 88,272}}$ | 1， 18282,000 | 1129，683 |
|  | \％${ }_{799,699}$ |  |  | － |  |  |
|  | ${ }^{714,932}$ | 5，0098，000 |  |  |  |  |
|  | 218，820 | 1，474，000 | 1338\％，988 |  | 6，000 | ciliticien |
|  | \％3．600 | coiouo |  |  | ${ }^{3}$, | 1，877，7，017 |
|  |  |  |  | 31,538 | 421 | $210 \cdot 6$ |
|  | 450 |  |  | ${ }^{619,4660}$ |  | ， |
|  | ， | $8.540,000$ | 5．820， ， |  |  |  |
|  | ${ }_{8885}^{40,077}$ | 4，4，33，000 | ${ }^{3,2,28,1384}$ | － | 20， | 4，0，393，287 |
|  | 2，785，783 |  | 2isfi | 1，002，4211 | coser |  |
|  | come | ${ }_{98} 98885$ | 2\％；528， | 1，100，9 | 29,175 |  |
|  | 1，7758，2，299 | － $2,8,371,000$ | ${ }^{17.873,}$ | ${ }^{2}, 1854,1,5$ | 50， | － 1 |
|  | 3，552， 6 | 41， 42100 | ${ }^{2}$ |  | 43378 |  |
|  |  |  | ${ }_{\text {c }}$ |  |  |  |
|  | 4，070，724 | 70，881，000 |  | ${ }^{\text {a }}$ | 年， $4,093,000$ |  |
|  |  | 15 ${ }^{157,0000}$ | T．8．84，755 | 1，615，3，3939 |  |  |
|  | 2，888，789 | 3，989， 88000 | 18，1999，272 |  | 边近， 1 |  |
|  |  |  |  | 15，\％ | ， 383800 |  |
|  | 1317， | ${ }^{2}$ 2，504， | 1，42，12，13 | 98，81 | 2．825，000 |  |
|  |  | 1，7750 |  | 27，22 | 735， 0 | 近 |
|  |  |  |  |  |  |  |
|  |  | ${ }_{9}^{1,0,075}$ | 5， $7227733^{3}$ | 92：283 |  | ${ }^{1,1121.355}$ |
|  | － $\begin{array}{r}\text { 622，880 } \\ 3,012,05 \\ \hline\end{array}$ | 9，799000 | \％28，686，58 | 67，682 | 1，80 |  |
|  | 38，55，4，40 | 515，99，000 | 8322，111，881 | 27，063，83： | 661，033，000 | 8209，25， 611 |

$\qquad$

States and Territuries．



A Farmer＇s Experience
Editor Kansas Farmer：－The article of J．W．Robinson，in your issue of January 11，is well worth a whole year＇s subscription．In it he has handed us the key to success or failure in farm－ ing．We need more articles like this， every word of which is undoubtedly based upon intelligent experience．On my 1,400 －acre ranch down here on the
Medicine river，I find I never shall learn all there is to know about farm－ ing and stock－raising．It used to be said that any one could make a success of farming，but if this was ever true，it is not true now．A man who can make a success of farming now－a－days can make any other calling pay，for the farming of to－day takes more thought， more nerve，more push and more en ergy than any other business．We ave the world to fight，with its trusts gold bugs，ehinch bugs and many other kinds of bugs．The chinch bugs gam－ bol in our grains before they are grown our plans for the coming season＇s crops，

## Easily Taken Up <br> Cod Liver Oil as it appears in Scott＇s Emulsion is easily system． other form can so much fat－food be assimilated with－ out injury to the

## Scott＇s Emulsion

of Cod Liver Oil with Hypophos－ phites has come to be an article of every－day use，a prompt and Throat troubles，and a positive builder of fiesh． builder of fiesh．

I wish to give you a key to our success here，in the way of planting cane and corn．First，I plow the ground in the fall，if possible；if not in the fall，then in the winter or early spring．I plow six inches deep，and plank to plant cane or corn，then list it in on this ground，and it is sure to make a crop． The roots are down where the hot sun does not burn them．The government cane station is located on my farm，and Uncle Sam gave me orders to plow the ground he leased from me twenty inches subsoiled it ten inches more，and it was in glorious shape，and I raised a forest of cane for the department each of the two years I farmed for them． matter how hard it rains．Sooner or later Kansas farmers must pulverize the soil twelve or twenty inches deep， to make a reservoir to hold water from one rain to the next，instead of allow－ ing it to run away，or lie on the surface and evaporate．After land has been plowed in this way once，it is ever after－ wards mellow and moist．

Medicine Lodge，Kas．
Experience at Maple Hill．
Editor Kansas Farmer：－Winter openéd here December 13 and has at－ The knowing ones say the prospect is The kually good at this time for the next unusually good at grood many got caught with corn still unhusked and have not had the use of the stalk fields．There is as yet plenty of feed in sight，and it has been a good clean month for feed－
ing．Farmers and stock－raisers should－ ing．Farmers and stock－raisers the variations in the cattle mar－ kets and write it over the ，barn door at a profit，while the low－grade scrubs at a prostly selling at a loss．
It is hoped and believed that the cat－ tle industry is approaching an era o
prosperity．The progressive breeder prosperity．The progressive breeder
will take advantage of the ebb tide and possess himself of a good thorough－ bred bull while it can be done at a min－ imum price．
Breeders of good hogs have nearly
lost their breath such has been the lost their breath，such has been the
rush after breeding stock．May the rush after breeding stock．May the the thickest of the fight for better farming and better stock．
Maple Hill，January 14， 1893.

## Watching the Hour－glass．

As a miser counts his gold，nigbt and day，
So 1 count，the minutes old lis the glass；
 When we approach＂the sere and yellow rearetfully．A clear conscience and sound health will lighten our gloomy reflections． Health is the greatest blessing－Dr．Pierce＇s Golden Medical Discovery the greatest med－
icine．It arrests the progress of lung and icine．It arrests the progress of lung and
scrofulous diseases，and cures consumption or Lung－scrofula，if taken in time．It is the king of liver invigorators and blood－purifi－ ers，and a powerful tonic，building up the
debilitated patient to perfect health．Con－ debilitated patien
tains no alcohol．

Farm Loans．
Lowest rates and every accommodation to borrowers on good farm loans in eastern Kansas．Special rates on large loans． Write or see us before making your re－ newal．
Jones Building，T． 116 W W．Sixth St．，Topeka．

## The Sarmers' Sorum.

 This department is devoted to the discussion ofeconomio questious and to the intereste of the
Alliance, Grange and kindred organizations.

The Farmers Build Up the Monopolies. Editor Kansas Farmer:-What ever may be the true definition of now called the monopolies have been directly fostered and built up by the farming population. They have done this by the great change they have of conducting them. They have aban doned the methods of independence and adopted those that tend directly toward placing them and their business in the power of middlemen. Formerly when there was a piece of wood land on the farm it was faithfully taken care of, only the refuse and trimmings used, that the forest might be de used, that the forest might be de-
veloped and become of more use. Now, since the theory is that it is "cheaper to raise corn and burn coal," the timber is neglected or rooted out, no grove planted, and the farmer becomes di rectly dependent on the coal companies The farmers of Kansas might have all the fuel they could use in a few year by planting trees of the right kind and in the right place. But they prefer to be dependent on the coal companies, and they need not be surprised at the increase of

## xtortions.

Again, years ago-not so very many either-the farmer slaughtered his own use and sold the rest, dressed his is to be and sold the rest, dressed. It pleasanter and requires much less skill to sell all the hogs, live weight, and buy back the cured meats, but this is the very thing that has built up Phil Armour and the other great meat princes. The farmers have done it themselves, and when they see Armou pour out a min then an indus trial school in Chicago, they may have the satisfaction of knowing that that is train moodums in that it is going to train hoodums in Chicago while their up in industrial ignorance.
Kerosene is a vast improvement over tallow candles, but when the farmer abandoned the killing of beeves and the use of their tallow for light, and began to use coal oil, he laid the foundation for the great Standard Oil "monopoly." And instead of the wealth remaining scattered among the
farmers, it is gathered in the hands of farmers, it is gathered in the hands of
John D. Rockefeller and a few others. John D. Rockefeller and a few others.
Mr. R. may do some good with it; he may found and endow a great univer sity, but its advantages will be mainly for the city people and the rich. The
money will not get back to the farmers. money will not get back to the farmers.
No institution has done more to build up immense fortunes than the railroad systems of our country. True, the
roads themselves may often be emroads themselves may often be em-
barrassed and even bankrupt, but there are men behind somewhere who are becoming millionaires. The farmers have built up the railroads, not only or mainly by wild voting of bonds, but by the system of agriculture they pursue, which makes them directly dep
I have no very great faith in the cure of any of these evils by any sort of politics. It is not politics the "rich richer and the poor poorer," to any great extent. It what the system of currency is if you systematically let the other fellow take the advantage of you or put yourself in a position where, even if he is honest,
he has such advantage. The law of supply and demand is above politics. When a man deliberately and systematically gives away what he produces, When a man systematically puts himself into a position where he has only one or two things to sell and must buy everything he needs, and both in buyof the case, take the other fellow's prices, how can politics or political economy or anything
from being "skinned ?",
Farming is a business of a radically not be judged by the rules that pertain
to others. Its great object shotuld be made not money but wealth. The two are not synonymous. Many a man in Kansas is struggling to get money and failing, when the acquirement of propwithin his grasp if he would but seek them.
While not all the " modern inventions" must be discarded, the farmer of the future, if successful, must, to They must diversify their agriculture, take care of the little sources of income and train themselves and their children to a degree of domestic manu factures. The only really successful
farmers I know are those who have, to some extent, pursued this course Neither national protection nor free rade can remedy the agricultural evil now complained of. There is not on he face of the earth a greater humbug han this tariff-free-trade agitation. It is a humbug on both sides, all around. t does not get down to the true in wardness of the situation. The only hing that will avail is a judicious use y the farmer of all his resources, both is land and his labor, so as to provide or as many of his wants as possible a home-to make himself independent and enable him to play successfully upon the law of supply and demand.
Douglass, Kas. T. C. Moffatt.

The Effeots of Speculation on Prices of Wheat.
Editor Kansas Farmer:-I want to ring Mr. C. Wood Davis back to th plain facts and clear away the cloud with which he has obscured them. He has sought to cast doubt upon some of hem, when he does not really do so He does not deny, though he pretend , that Kansas hard wbeat sells for as much as No. 2 red wheat of correspond-
ing quality and position, in Liverpool. ing quality and position, in Liverpool. o, that No. 2 red ents more than Kansas hard wheat of orresponding quality and position, in Chicago. And he does not deny, though he pretends to, that the higher price of the No: 2 red wheat in Chicago is due o the fact that it is a speculative grade of wheat, whereas the Kansas hard is not. He seeks to make us believe that
buyers are enabled to obtain at a cheaper price, four-fifths of a given quantity because one-fifth is held by peculation above their reach, than fifths if the entire quantity were offered or sale to them. If five men are seek ing to buy five bushels of wheat, will they pay less for four bushels because one bushel is temporarily withdrawn rom market, than they would pay for the four bushels if the five bushels were offered to them on even terms at the same time? Mr. Davis tries to make us believe so, but he is too close a reasoner
self.

To state that the price of Kansas hard wheat is depressed by the fact that speculation holds the price of No 2 red and No. 2 spring wheat so high that it cannot be used by exporters at all, is to state an absurdity. Mr. Davis knows perfectly well that when he asks, "Has not the price of hard Kanas wheat been abnormally depressed seeking to evade the direct issue ules of the exchange subterfuge. The do with hard wheat. The price of hard wheat depends upon what the export ers and millers will pay for it. And f great quantities of wheat which are are taken out of direct competition with the Kansas hard wheat, the de mand for the latter will certainly be ncreased and the price consequently advanced.
Certainly the farmer is interested in having as great a demand for his crop of wheat as possible. Why should he the exporter the miller, or the speculator? Every increase in the specumeans an increase in the price of his wheat. The facts show that his present system of speculation always esults in an increased demand fo may be, at a time when it is most
needed. Mr, Davis' fine-spun theories and hypothetical case may seem to as I have cited them. and they cannot be evaded.
I am too well acquainted with the value of space in a newspaper to ask
you to print a reply to the absurd, inconsistent and foolish things which Mr. Davis has said about myself. There is no need of it. I have made oo statements, the value of which depend upon my reputation. Mr. Davis did not deny my statements. He simply ought to make your readers believe hat he denied them. On the other hand, some of his statements are denied outright. That makes perfectly proper discussion of his "fitness to deal with the subject." And it seems to me that
my evidence in this case fully offsets my evidence in this case fully offsets
his.
H. L. NICOLET.
Kansas City, January 14, 1893.
All who are troubled with Constipation will find a safe, sure and speedy relief in Ayer's Pills. Unlike most other cathartics, these pills strengthen the stomach, liver, mal and regular action.

## Publishers' Paragraphs.

Alneer Bros., Seedmen, Rockford, Ill., who have an advertisement in this issue, enjoy the full confidence of the seed buying ble and fill orders promptly.
The special attention of our readers is called to the advertisement of the Iowa
Seed Co., Des Moines, Iowa. This company has this year issued one of the finest catalogues ever sent out by a Western seed house and they offer to send one free to every reader of this paper.
The Iowa Seed company, Des Moines, owa, sends us one of the finest catalogues we have seen so far this year. The covers plete with illustran in eight colors. It is resome colored plates. This firm is making a specialty of high-grade field seeds for farmers, something which has hitherto been
The Alliance Seed House in western Kansas, although yet a young institution, ing up a large patronage in nearly every Western State, simply by giving good seeds at low prices to the people. Look up their advertisement elsewhere, mentioning this paper. Write for prices, addressed to the Alliance Seed Co., Gove City, Kas.
Mr . Sven O. Thompson, a farmer of Mcpherson county, has received letters patent built suitable for feeding cattle, horses be sheep. It can be erected around a hay stack or a straw stack, or the stack can be connections, that it will contract its sliding the external pressure from the live sto feeding therefrom until the stack is nearly consumed, while waste is prevented and wishes to develop the trade in this patent on a certain plan, and to this end he wishes
to employ a competent man to take charge to employ a competent man to take charge
of its development. Look up his advertiseof its d
ment.
We are in receipt of a seed catalogue published by F. B. Mills, Rose Hill, New York, whose advertisement appears in an-
other column. Mr. Mills has a very novel idea in getting up his catalogue. With $\in \mathrm{v}$ lows the customer to select 50 cents worth of seeds in packages free, their own choice. Thus you see every one gets $\$ 1.50$ worth of
seeds for $\$ 1$. Aside from this he offers some very large and interesting premiums. He offers one of the finest lines of vegetable and flower seeds that can be found and not satisfactory, Mr. Mills guarantees to make it so, and we would ad
ers to send for a catalogue.
F. Barteldes \& Co.'s Kansas Seed House of farmer's homes in the great West. This firm has done an extensive business in Kansas and adjoining States for thirty-two years, and their fine large eatalogue for
1893 offers greater inducements than ever. 1893 offers greater inducements than ever. These gentlemen make a specialty of just
such seeds as experience has proven to do well in our soil and climate. Their seeds are all tested with the greatest precaution, reliable firm and measurements, and safe arrival of all seeds sent by mail or express. See adver-
tisement elsewhere in our columns, and don't fail to send for catalogue.
The Twice-a-Week St. Louis Republic, will be sent free for one year to any person
sending, before March 1, 1893, a club of three new yearly subscribers, with three dollars to pay for the same. The Republic
goes everywhere and is the most popular

## "August Flower"

The Hon. J. W. Fennimore is the Sheriff of Kent Co., Del., and lives at Dover, the County Seat and Cap-

ital of the State. The sheriff is a gentleman fifty-nine years of age,
and this is what he says: "I have and this is what he says: "I have
used your August Flower for sev-" used your August Flower for sev-
eral years in my family and for my own use, and found it does me more good than any other remedy. I have been troubled with what I " call Sick Headache. A pain comes in the back part of my head first, and then soon a general headache until I become sick and vomit. after eating, a pressure after eating at the pit of the stomach, and at the pit of the stomach, and
sourness, when food seemed to rise sourness, when food seemed to rise
up in my throat and mouth. When up in my throat and mouth. When I feel this coming on if I take a
little August Flower it relieves me, and is the best remedy I have ever taken for it. For this reason 'I take it and recommend it to "others as a great remedy for Dys-
G. G. GREEN, Sole Manufacturer

Woodbury, New Jersey, U. S. A
paper published in America. Its readers get the news half a week earlier than it
can be had from any weekly paper, while its Literary, Agricultural, Women's and other departments are unsurpassed. It fills
the wants of every member of the family, the wants of every member of the family,
and should be read in every household. You and should be read in every household. You
can get three new subscribers for it by a fow minutes, effort. Try it, at once, and a package of sample copies, write for them Cut out this advertisement and send with your.
order. Address The St. Louis Republic, St. Louis, Mo.
An educational trinity of H 's is the ideal pear this month. It calls for a "full-orbed
per education," the education of head, of heart and of hand, to take the place of the tradible and fully efficient the to make possi-b's-and something more the New the R 's-and something more. The New Eau-
cation holds that the mission of all education is to prepare for life, to help children grow in the right direction and develop into being. It expects to be helpfulin the home the kindergarten and the school. To all of these it will furnish suitable material and suggestions; methodical courses of proced-
ure, working programs, manual and intellectual occupations, stories, songs, games studies of child-growth and of child, nurture, discussions of various methods of training and teaching, of guiding the children in play
and in work. The magazine will be conand in work. The magazine will be con-
ducted by Dr. W. N. Hailmann, Ph. D.
Froebel's translator and the author of wellFroebel's translator and the author of well-
known pedagogical works. Simpson \& Co. 841 Broadway, New York, are the publish-

## They Are All Right,

At the request of the proprietors our Chicago manager, Frank B. White, has so cheap inspected the evergreens ofered so cheap by the E. H. Ricker Co., pro-
prietors of the Elgin Nurseries, Elgin,
Mr Mr . White found acres of small evergreens of all sizes and ages of the best quality; and how any firm can afford to send out 200 The firm say it is not the profits on the The firm say it is not the profits on the
sample orders they are after; past experience has proven that a sample order of evergreens sent into a neighborhood more than serves the purpose of the best advertising they can do. In their \$1 sample order they send 100 Norway spruce, 50 White pine and 50 Scotch pine. In their 35 sample order they send 100 each of Norway
spruce, White pine, Scotch pine, Austrian spruce, White pine, Scotch pine, Austrian
pine and American arbor vitæ, 25 blue spruce and 10 Ponderosa pine, making 535 trees, all two years old, and express prepaid We advise our readers to send for their thirty-six page catalogue and how to grow
evergreens, illustrated. It is free to all for evergreens, illustrated. It is free to all for
the asking. Send postal address to the the asking. Send postal a
E. H. Ricker Co., Elgin, III.

Wanted.
In every county in Kansas, a first-class man as agent to represent the Kansas Mu
tual Life. Address Davis, President,
Topeka, Kansas


$$
: 151 \text { E } 1
$$

# FLANEAS FARMMHR. 

## Che ฌorse.

## Horse Market Reviewed.

## kansas oity.

 The supply of horses was only fair with more than the usual number of buyers,both local and foreign. The demand for big mares was better than at any time dur-
ing the past season. ing the past season. ${ }^{2}$ Good smooth $\$ 5.00 @ 7.50$
stock and shapely drafts were stock. and shapely drafts
higher; streeters sold $\$ 2.50 @ 5.00$ above last higher; streetrs days auction has proved
week. The three quite a sucoess, and stock continues to ar-
rive up till Thursday noon with just as fair prospects for good prices as those on the
market Tuesday and Wednesday. There is market Tuesday and Wednesday. There is
still quite a local demand for good 1,500 to still quite a local demand for good 1,500 -pound draft and express horses. The 1,600-pound draft and express horses. Lige with little or no demand. The buyers were from all over the South and East, quite a
number from the wheat districts. Prospects for the coming week are good for the tops of all grades. Plugs continue low and a drag on the market. The bidding at Thursday's auction was as prompt anday or Wednesday, an prices were equally as high.
Draft extra, 1800 1bs. Drivers, extra. Drivers, good.
Baddiers, good
souther, goares oxtraidining: Coaviry. Western range,
Western rarge, b
Matched teams.....
Western ponies..
Private sales were as follows: 8 draft a $\$ 130 ; 6$ drivers at $8110 ; 8$ streete
22 Southern at $\$ 58 ; 4$ chunk's 895 .

The trade in mules
The trade in mules continues active; supply rather light. Prices on $141 / 2$ to $151 / 2$
fully up to quotations. Big mules rather fully
quiet.

##  <br> 

## Less Hay for Horses.

Hay in the manger all the time results in serious disorders; the animal's system is
deranged and often broken down. A young deranged and often broken down. A young
horse, weight less than 1,000 pounds, is horse, weight less than 1,000 pounds, is Months ago a neipied that I thought not that he got only half as much as my other horses. Lately I discovered he should not have one-quarter as much. It came about
thus: My own oats having been all fed, I was buying. Oats were dear, and ground oats suspiciously full of hulls. I reasoned
whether I could not compound an honest and cheap ration from wheat bran, oil meal or cottonseed meal and corn meal for all my or cottonseed meal Iraf. E. W. Stewart. He
horses. I wrote Pe
replied that for roadsters oil or cottonseed meal 2 parts, corn meal 2 parts, and bran 6 parts, with 10 parts of cut hay or straw, all
by weight, was about right for twenty-four hours in three feeds. Well, I stopped buyhave done more-the particular horse mentioned has improved as a driver and continues to improve. He looks and acts For this I credit myself. The weighing led me
to try less and less hay, while not increasing the grain ration, with the above favorable result. The horse has good appetite and
only a small stomach. As a consequence only a small stomach. As a conseequence
he was uncomfortable, cross and indisposed while on the road. Now $I$ am not only
saving money in grain, but in hay, and have a better driver
A short time ago a valuable horse, an im-
ported draft stallion, was fed all the hay he would eat with dire result. It took an ex perienced horseman months to correct the mischief done by a season's stffung with
hay. Since that severe lesson we have had constantly the care of work horses, and have found that fully as good results in
feeding were had where good bright straw of which the animals ate little, was used for roughness and variety, but no greater
quantity of grain was fed them when hay was a large and constant part of the diet An opportunity to inspect the feeding of horses in a arge stable belonging to a stree car company revealed the fact that the per day at a jog trot, in heats of six miles each, were fed almost entirely a grain diet, being given only enough hay to secure good
digestion. The common ration was crushed corn and wheat bran mixed by weight and the whole mixed with coarse cut hay. Of this about half a bushel was fed dry at one mess. vigorous appetite. With this feeding the horses were kept in excellent condition under the constant and severe labor of the
car service. All similar observations of scientific feeding and my own experience confirm me in the belief that farmers could get better service out of their teams, and at
the same time keep them in better condicreasing
Stockman.

## tion by feeding less hay and without in-

## Our First-Page Illustration.

 Our first-page illustration is of that D'Or (28695) 14508 He is a son of the great show horse Fenlon by Brilliant (755). This makes him the most fashionable bred Percheron of to-day. Louis D'Or is a great, of the be, hick horse-smoth and round as an apple, with great heavy, flat, clean bone and good feet, and the style and carriage of Chesterfiela. Hu ts (weight 2,360), and trots off like a coacher. This great horse is at the head of Iams' Percherons, and the rich blue blood of his veins makes him a winner wherever shown. He won first two-year-old at La-Ferte-Benard, first prize at Nebraska State fair, and first prize at his get. This is the type of horses at Iams' stud of Black Percherons, French Draft, Clydes and Shires. His imported horsesare all full-bloods. Every horse has passed the customs free of duty, and every one approved by the government. Mr. Frank Iams, of St. Paul, Neb., has 100 head of pure-bred horses of first-class quality, and
at low prices. Terms:-One, two or three at low prices. Terms: One, two or three
years time at 5 per cent. interst, and Iams years thme at sper if you want a ""topper,'
pays the fretoht. If prizes at the leading State fairs.

## Imported Stallions Sacrificed.

 On account of my fast failing health, whining to business, and will cause me to tending to business, and wor cause meseek some other clime more conducive to my health, for an indefnite time, I have de-
cided to close out my extensive importing business; and, in order to do so, I will be obliged to make a great sacrifice. But I
regard my health as more important to me regard my health as more important to $m$ than money, and, in this case, 1 am going ofier you an life time-to get as flne an im-
once in nearly one-half price.
In order to illustrate more fully, I will sell you the same horse that I offered for
$\$ 1,600$ for $\$ 1,000$ and the same horse that I $\$ 1,600$ for $\$ 1,000$, and the same horse that
offered for $\$ 1,200$ I will now sell for $\$ 800$. Now I am doing this at a fearful sacrifice necessarily lose thousands of dollars by so necing, but, as I said before, the condition of my health simply forces me to make the sacrifice, and according to the old proverb, what is my loss will be your gain, provided you will embrace the golden opportunty, which I have not the least doubt you wid see my stock and get the first choice before thers have had time to make selections.
This offer I will hold good for thirty days. So please let me hear from you bo re, for this is an opportunity you cannot afford to neglect, and one which may, never present
itself to you again. Come and see me and get my lowest prices. I am, yours most truly,

Emporia, Kas
Henry Avery's Horse Farm.
The Kansas Farmer takes pleasure in presenting to its readers some of the ob
servations made by its representativ during a recent visit at the horse farm o Mr. Avery, of Wakefield, Kas.
The place consists of 640 acres, in the Re publican river valley, and is perhaps the best situated, being surrounded by timbe and hills providing the best of natural
tection, of any stock farm in the West. tection, of any stock farm in the West.
From the best information obtainable From the best information obtainable, Percheron horse in the State of Kansas, and shortly thereafter laid the foundation winning imported brood mares.
There are now on the farm one hundred and twenty-five head, all ages, including ten aged stallions. A major portion of the wos and threes are the get of Waterloo 18th, who won first in class and sweopstake where individuals from five States competed for both honors.
This excellent stallion. weighed over 2,000 pounds and his pedigree traces down a long line of successful prize-winners in the Percheron horse history of France. For the
past year Brilliant III. 11116 (2919), the winner of first place at the great annual of the harem. He was sired by Fenlon He (138), dam Blue by Briliant on his netive heath $\$ 4,000$, and has held a top place among the kings of the show yard in this country.
The yearling and weanling French Coachers found in the paddock were sired by the four-year-old stallion Ravenstein
421, bred by M. Pierre Luce, of Etienville department of La Manche; got by the government stallion Colporteur; dam Vapeur
by Useful; second dam by Seduisant; thir dam Riga. He shows up a line of breeding horsemen and the individuality of his get confirms his usefulness as a sire of great merit.
In conclusion will state that the barns, djoining his granary, and the general arrangement of the farm, all betokens that Mr. Avery's thirty years' of experience as a horse breeder has been succe
that he is in the business to stay.

Ooad's Nebraska Horse Farm.
The Farmer takes pleasure in calling the ttention of its readers to the advertisement Percheron and French Coach horses. There is perhaps no breeding farm in all the West where better individuals may be had-jus what the prospective horseman wants. more extended

Annual Sale Trotting Stook. The second annual sale of standard and farm, will be held at Oswego, Kansas, February 21, 1893. The offering consists o stallions, brood mares, several fancy single drivers and a few nice matched teams. For catalogues or other information address the proprietor, J. M. Grant, Oswego, Kas., or

## The Extra Horse.

By French law, on every highway in rance, and on every street which has where the rise begins, an "extra horse." The law compels the use of this horse untit the summit of the hill is reached, and there is a heavy fine for ref
A playcard by the roadside indicates the point where the extra horse must be taken may be dispensed with. All truckmen and other teamsters in large cities pay strict attention to this regulation,

## Gossip About Stock.

Julius Peterson, Lancaster, Atchison county, Kas., claims Apri 1o, 1 , 193 , as his Remember the second annual sale of trotting stock to be held at Oswego, Kas., on February 21
now ready.
L. A. Knapp, Maple Hill, writes
s: "About I month ago I bought a No. 1 feed-mill of and it gives me better satisfaction as a crusher than any mill I have tried. Whatever others may think, I like the cob ground up with the corn, when it is ground suff ciently fine. In that respect this mill is a success so far as I have used it. Some feeders think it a waste
Wm. B. Sutton, Rutger stock farm, Rus sell, Kas., has sold Rutger Alcyone 14939 sired by Alcyone 222, dam Abbess, grea
brood mare. This colt is half brother to Martha Wilkes 2:08. He comes to Topeka having been bought by Messrs. St. Clair, Fleming and R. F. Atwood, of Topeka colt, sired by Alcantara 2:23, dam Carlott Blizzard, second dam Carlotta, great brood Blizzar
mare.
$81,250$.

The committee appointed by the Illinois heep Breeders'Association, held in Spring 11, 1893, and by authority given them adopted by-laws and named officers as follows: President, C. I Pulliam, Chatham; Vice President, W. T. Potts, Jacksonville;
Secretary and Treasurer, Jno. G. Springer, Secretary and Treasurer, Jno. G. Springer,
Springfield. Executive Committee-Hon David Gore, Carlinville; S. E. Prather Springfield; R. J. Stone, Stonington; Harry Cass, Buffalo Hart
We call attention to Mr. G. G. Stek etee's advertisement in this issue. Mr. Steketee will do just as he agrees. It is perfectly safe to send money to him. Mr. S. claims to have one of the best remedies for hog cholera and the only sure remedy for pin-worms in horses. If your druggist does not keep this remedy, then send direct to Mr. S. ; but try your druggist first,
expense. It is no humbug.
The Illinois Short-horn Breeders' Asso ciation held their annual meeting in Spring field January 11. President C. C. Judy, in his annual address, presented many points Sanders, of the Breeder's Gazette, Chicago presented a paper on the "Future of the
Fat Stock Show," indicating that the show of fat stock would be the great feature in of fat stock would be the great feature in as it deserved to be, with marked attention.
The offleers elected for the ensuing year

## For A Horse.

For accident, too hard work, and skin diseases, Phénol Sodique does wonders. For all animals and human flesh. HANCE BROTHERS \& WHITE, Phil
are: President, C. I. Pulliam, Chatham; Treasurer, W. T. Potts, Jacksonville January 9, 1894, was selected for the next annual meeting of the association.
The American Berkshire Association has paid special premhims, ecord, valued at $\$ 10$ for best sow and pigs exhibited at State fairs in 1892, to I. J. Williams \& Son Muncie, Ind.; V. B. Howey, Topeka, Kas.;
$\mathrm{F}^{*}$ A. Scott, Huntsville, Mo.; Wills A. Seward, Budd's Lake, N. J., and Terrell \& Harris, Terrell, Texas. When it is con paid by the American tion, notwithstanding that all of the conditions of the offer were not complied with this association must be given credit fo eing liberal with its patrons
Wm. Benninger, of Walnutport, Pa has secured the fine show bull of M. E.
Moore, Cameron, Mo., to head his herd, Empress Josephine sd's Consolation. therd in 1891 was every grand sweepstakes dairy herd prize at the Western State fairs. This bull was at the head. He captured faul prize at Creston, Iowa, first at St. Paul (Minn.) State fair, first at St. Joe and Empress Josephine 3d, captured every first prize for butter at the Western State fairs; test 65 pounds 1 ounce milk in one day, making 2.62 pounds butter fat, the largest ever made in public test by any cow of the breed. Mr. Moore has also secured from Mr. Benninger his fine show bull Par-
thenea's Sir Henry. The dam, it will be remembered, is the fine cow Parthenea, Mr. Moore sold for $\$ 2,000$, and whose butter record for seven days is 38 pounds $81 / 2$
ounces, the largest for her age of any cow of the breed. She won butter sweepstakes at Detroit exposition, 1889, and was a mem ber of the first prize herd. She won first prize and sweepstakes and was a membe of the first prize herd at Kansas City exposition, 1890 . Mr. Benninger writes Parthenea's Sir Henry has been in the hicw ring at eight fairs, 1892, and won six
prizes. He headed the herd that won the gold medal at Nazareth, all breeds com peting. He was also at head of herd that took first prize at Allentown, Bloomsburg and Pottstown." Mr. Benninger advermilk king of the world.
A Prosperous Life Insurance Oompany. We are pleased to note the very pros-
perous condition of the Kansas Mutual Life, of Topeka, as shown by the following sumof Top
mary:
Aseots J
Gain of Aseats Jannary 1, 1893.
Gain of assets during
Deag2..
Death claims paid in $1892 \ldots$.
 In addition to the above excellent showing , it is worthy of note that on the 1st of January, 1893, the Kansas Mutual Life had not a single death claim reported and unpaid, thus susth losses and satisfactory pettlement of all claims.
It is gratifving to the people of Kansas and the entire West that right in our midst there is a life company the peer of the best in the United States.
Besides enjoying a remarkably healthy growth, and being financially strong, the that are models of simplicity and liberality that are models of simplicity and liberality its limited payment life and endowment cash values written in the contract, and
available at the end of the third and each available at the end of the third and each
subsequent year from date of issue. They also participate in annual dividends, ren
dering the cost low. No better policies or dering the cost low. No better po
company can be found anywhere.

## Blossom House.

Kansas City, Missouri, is convenient to all parts of the city. The Blossom House is the tallest building just across the
street from the Union depot, and a splen did meeting place for the farmers
and stockmen from all parts of the country, who are usually found there. It
seems to be the headquarters and genera seems to be the headquarters and genera
place of meeting for all Kansas men when place of meeting for an kansas men when
attendine conventions or bringing stock to that market. It certainly deserves the bu
iness from Kansas that it is receiving.

## Che fome ©ircle.

| The matter for the Homs circus is selected Wednesday of the week before the paper is printed. Manuscript recelved after that almost invariably goes over to the next week, unless it is very shortand very good. Correspondents will govern themselves accordingly. |
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Written for the Kangas Farmer. Wayne Goodwin.
by miss mary e, jacrbon Wayne Goodwin and hls fair young brld Were lingering near the river's side.
Their hands were filled with fragrant They'd gathered there in morning hours.
Cast them here, said the loving bride;
Twill bear them on to the ocean wide. These beautiful flowers from you and me

No, my darling, It cannot be
These flowers rathered by you and me So beantiful now on our wedding day,
We'll keep them ever,--lay them away.
Guarding them, too, with watohful eyes,
For oft "Old Time," as he onward flies, For oft "Old Time," as he onward flies,
Gathers the garlands from the careless hearte
Giving to others, then love deperts Topeka, October then love departs

## OURIOUS FAOTS ABOUT NEEDLES.

 As matter of fact, the art of needle when it was revealed by Christopher Green ing. In the little town of Redditch, a few miles from Birmingham, the needle-makers still ply their trade for all the world. Twenty thousand people make over a hunred millions of needles a year. From the manifold processes, but probabe needle are ing of the eye is the most interesting of all The experts can easily perforate a hair and thread it with its own end. The steel wire is cut into the length of a bristle, and the needles are born as twins, heads together, feet furthest apart. In theold days he ends were sharpened at a cost of life war. The "grinders' more deadly than strong men's lungs were inwardly ground to pieces by inhaled particles of steel, slew tens of thousands of strong men. Now, a blast of air away from the grindstone makes a grinder's life a first-class risk for insurance companies. Tempering, anneal ing, and polishing are all worth seeing in So process.made and exported can English needles an tariff needles stand on the free list We have no hand-needle industry to be protected. We still depend on John Bull and the gentleman who wears the spiked helmet.
But do not our Yankees, who invent, who harness the rivers, the lightning, and the work, make any needles ?
Yes, for it was the Yankee who made the needie turn a somersault. All the world needle in one fashion. It was the Yankee who discovered that it was threaded at the wrong end. He declared the business end from its head. Either Elias a bee, farthest from its head. Either Elias Howe, or the was the first man who, like the lawsuit, Greek mythology, held the "eye" in his hands, and put it where he would. He drilled the needle and inserted the thread at the other end, and set it in arms of steel, multiplying its potency. As America gave kind of needle, so they manufacture this sort and this only. At Springfield, Mass., the National Needle Company make and finish every year thirty million machine needles. Prussia, the great War Power,
put a spike on her helm and a needle in her gun, and with the latter humbled Austria The United States, which, as Presiden Arthur declared. is the Great Pacific Power, put her needle in. frame and treadle to there is a true parable here.

## "As naked as a needle"

 et, though nude and limbless old proverb has features and anatomy. Yet all the world does not see eye to eye, as their terms and description show. Missionaries who translate the gospel, in which a camel and a needle. a rich man and the kingdom ofheaven, meet only to separate, must keep heaven, meet only to separate, must keep
their own eyes open. The translator of the Corean New Testament had to write, "It is easier for a camel to go through the ear of a needle." And this, though the Coreans, like the Japanese and unlike the Chinese, war no ear-rings. The ear of the needle! Ha! ha! what gossip could the steel give In English literature
shines! The open berten the needle names-a volume of English literan street itself-tells of Threadneedle street. There were three needles in the arms of the
Needle-makers' Company of London, but "the Old Lady of Threadneedle street" is the Bank of England. All England, took
up Cobbett's epithet, which stuck to this

Mrs. Partington of his time. Does not Dr.
Marigold call a bank note "a silver curl paper which I myself took off the shining locks of the ever-beautiful lady ?" From and Evening Star" the shining of "Sunse is often mentioned. Even in politics and controversy an act of Parliament is only "the needle to draw in the thread" of the locate the needle in strange places. Was the swain popping the question when the haystack was made the symbol of useless search? Is there not more of paganism than of Christianity in the name "devil's needle" given to the dragon fly? Are not our first parents and their limitations pictured in the term bestowed upon the thorns and tibres of the yucca-plant, of "Adam's leaf is named "Adam's flannel ""-Harpcr', Bazar.

## The Oare of Lamps.

In nine cases out of ten-and most likely much more generally even than that-the complaints which are heard regarding the deterioration of the lamps of a household are wholly unjust-to the lamps. The fault is not theirs, nor that of their makers; but simply of those to whom their use and care thing, and lamps are no exception everything, and lamp should be kept io exception. The the outside, but as a whole. In fact, the interior is of the most importance, if the matter of a light supply is considered. A lamp may give an excellent quality of light,
even though the exterior be hidden by dirt, if only "the the exterior be hidden by dirt, right. How that desirable the interior" be accomplished is a subject well worthy be brief dissertation
In any case, they are to be filled. This should be done daily, in order to keep the ount supplied with oil. A lamp may burn when the oil is low, but the combustion will necessarily be carried on under difficulties, nd it is admitted that if any danger of of a lamp, it is much more liable when use ii supply is low. But it is not sufficient imply to go on, day after day, replenishing the supply of oil. At least once a week, where the lamps are in daily use, the residue should be emptied from the bowl, and the lamp should be filled with fresh oil. become dirty, foul, heavy, and is it has fitted for illuminating purposes. It migh be used for kindling fires, if that dangerous practice is allowed, but the days of its excellence have passed. The wick is to be rimmed, the chimney cleaned, and the outside of the lamp carefully wiped before the work is to be considered complete and
lamps set away.-Good Housekecping.

## Use Borax.

To Clean White Lace.-To a pailful of hot water, add one tablespoonful of powdered borax; place the lace in and let it remain water, gently with the wash in the same ittle soap. When quite dry, rinse in very clear, hot water ; squeeze or press the water out,-do not wring it. Place the lace if a small piece, inside of a clean, folded towel; if a large piece use a sheet, and
with the cloth well wrapped around the with the cloth well wrapped around the ace, gently wring as much of the moisture heet on a table, and with a clean towel or straighten, or stretch the lace to its original shape. Pick out all the edges, points, etc. it will become perfectly dry while doing so If the lace is very large or hard to dry, pin it down on a clean board, sticking pins into
every point or loop; use no starch; do not very point or loop; use no
iron it or hang it up to dry
To Remove Grease Spots from Silk.-Place me coarse, brown paper (the soft kind) fully with a hot iron. Change the paper often, as it absorbs the grease. If th goods are so rich, or delicate, that the iron is likely to injure them, try friction by using raw cotton; rub the spots off, changing the cotton often. If the material is soiled or stained in many places, rip the article pulverized borax. It can be softened with as good as new.

## To Clean a

he carpet well shaken, then tack it have in a room where it is to remain, and sweep it as thoroughly as possible. Take a pail of hot water, put in two tablespoonfuls of the surface, using a the carpet all ove grease spots or very dirty places, use scrubbing brush freely, and a very little soap, taking care to rinse the soap off little after scrubbing. Change the water quite often. Rub the carpet well after washing,
with a dry cloth, and one the with a dry cloth, and open the doors and
windows so as to dry it as quickly windo
sible.
To Clean Black Lace.-Place the lace on a clean table; have one teaspoonful of powwater; take a soft brush and use the borax water freely. After all the grease spots on soiled places have been removed, use plenty of warm water with a sponge. Go all over


Doctors and other people like the Ivory Soap because of its simplicity. Being a pure natural soap it is not necessary to conceal its quality with strong perfume, coloring matter, or tar.

Dr. James C. White, of Boston, Professor of Dermatology (which reats of the skin in health and disease) in Harvard University, says

In selecting soaps for the toilet, those which are white and mostly free from scents should be chosen, for impure materials in their manufacture may be easily disguised by strong odors and colors. There is no positive virtue in Castile Soap, as is so generally. supposed, nor in carbolic, tar, or other medicated soaps for ordinary purposes; the simpler the soap the better
he pir
water; place the lace (while damp, and after picking out nicely) between pieces of old black silk or cashmere, and press with
a warm iron until dry,-be careful not to use a hot iron
use a hot iron.
To Wash Re
to Wash Red Table Linen.-Use tepid sets the color). Wash the linen separax (borax and quickly, using very little soap; rinse in tepid water, containing a little boiled starch; hang to dry in the shade; iron when almost dry.
To Cleanse the Woodwork Around Doors.ablespoonfuls of pulverized throw in two cood, coarse house-cloth- borax; use a When washing places that are extra yellow or stained, soap the cloth, then sprinkle it with the dry powdered borax, and rub the places well, using plenty of rinsing water By washing the woodwork in this way rre is no danger of removing the paint. To Exterminate Roaches, Ants and Other crmin. $\rightarrow$ prinkle powdered borax freel cracks about the on closet shelves, and in While destructive to these pests, absoluwely harmless to mankind.-Good Housekeeping.

## A Monkey Story.

The London Zoological Gardens are the finest in the world. All the animals are and seem as happy as animals kept in cap ivity can possibly be.
Not long ago there was a family of very funny monkeys who lived in a corner o this has nothing to do with the story. This cage has a heavy wire netting around it and here are sigus put up at the corners warning persons, especially those wearing One day to go too near.
One day the father and mother of this funny family of monkeys were sitting by cose to each other, and one mia were quite by their frequent nods and winks andin the way in which the father scratched his head slowly and thoughtfully that they were discussing household affairs. It culdn't have been rent or taxes or new shoes for the baby, but it may have been bout the proper training necessary for han a small kitten. He has run up
upper bar to the centre of the and across an some larger monkeys were playing. The some larger monkeys were playing. The fused to go away a big nonkey pinched his tail. He ran off squealing, scampered ver the bar, slid down the pole and went straight to his mother, who put her paw
around him and cuddled him mother him and cuddled him just as you stayed with her only a minute or two and
then went back to the other monkeys; but and being drived in the game that time ran to his mother for a petting.

A third attempt to make friends with the big monkeys resulted in the same treatment. As he slid down the pole for the hird time, the father, who had evidently shoulders, lifted him off hisht him by the him down hard" him down hard"upon the perch by his yourself." The little monkey obeyed, stopped his squealing and sat still like a naughty child in a corner.

## Couldn't Master Physiology.

 A teacher in the high school tells a good through the mysteries of the thres passed is now delving into the mysteries of the When as taught in our public schools. When the present school year opened this physiolog found himself confronted with physiology. He went at it with all the the class had reached the real gist of the study he began to fall hopelessly behind. His teacher expostulated with him, but to Ao purpose. The teacher was in despair. thinking that it might do some good. The lad appeared before the Professor and was mildly lectured on what appeared to be hisindolence. The lad listened for a time and indolence.
"I have done my best to keep up with my When I get to thinking about my insides I just get sick and have to quit further investigation into his inward ma-hinery--Omaha World-Herald.
"Here's to the maiden of bashful fifteen,
And here's to the widow of forty!,
They have each reached a period in life ng them over the shoals which so often compling regularity and healthy action of the
dund female organs, Dr. Pierce's Favorite Prescription stands without a peer. At a time so many young girls have their health for ife shattered. If you wish your daughter ches those periodical, agonizing backaches, and dizzy headaches, languid and pimply skings, and dull, heavy eyes, get her a bottle of Dr. Pierce's Favorite Prescription. If you have reached the later period of danger and weakness, you will need a bottle, guarantee. Srapper on bottle for printection given in every
case or money retur

Important to Fleshy People.
We have noticed a page article in the Globe on reducing weight at a very small expense. will pay our readers to send two cent stamp or a copy to Thayer Circulating Library, 36

## Che Houng Solks.

Witten for the Kansas Farmer.
The Wanderer's Prayer.
by jogephine rapley-hague. Dear Jesus hear my broken
Ascending to thy throne, Ascending to thy throne,
That thou would'et lift the burden That thou would'st lift the burden
From the dear sad hearts at home
I've wandered so far from them,
Wandered farther stlll from thee Wandere far in returning
repent the sin committed And the sorrow I have made;
The whilst thou plead for my return 1 have the farther strayed. And Father, that thou dost forgive
Oh! wilt thou travel on, And lift the burden I hnve been
From the dear sad hearts at hom Thou'st on stormy blllow answered
Prayers of loving loyal friendsPrayers of the sweet forgiving presence
That Should my wandering steps attend. Heavenly Father, wilt thou wall
Foretaste in thy tender tone, That thou'st Ifteed halgh the burden
From the dear sad hearts at home?

WHO EVER MILKED A MOOSE? It is quite interesting to hear or read a gooad a vague suspicion enters our minds that it lacks just a little bit of the element of truth. Often a good story is told "only in fun," without the expectation that it will be believed, but after a few re it passes current as "a true story,"
The Lewiston (Me.) Journal indulges in one which bears on its face a very grave doubt. It is so qood, however, that it will be reproduced for "Young Folks." It is entitled in that journal
"Here's a pretty mess. The milk is all "He." The speaker was one of a party of four
New York sportsmen who, with an equal number of guides, had been cruising about on the west branch of the Penobscot, bum
were now camping on the shores of Cham berlain lake, preparatory to returning to Northeast. Carry. They had been out longer than they had planned, and some of
the supplies had become exhausted. the supplies had become exhausted who were lying at full length on the ground quietly asks, "isn't there a farm house or hotel near where we could buy call near a woodsman. "If you don't reckon forty miles far, then we are near a house, but
that's about the distance, may be a triffe you? Well, you fill up on water to-night,
and may be in the morning I can accomnodate you, though mind you, I don't promise!
"You'll have to get a move on you," said
one of the other guides, "if you are going to one to make the Carry 'tween this and to-morrow"-well knowing that the journey
in that time was impossible- "for blast me, Annance, if I know where you're going to find the color of mik ne nearer than that." Annance made no response, but puffed
silently at his favorite pipe. He had an
idea, though, that idea, though, that he could get some milk,
but did not mean to tell how. That night, unnoticed, he left the camp about sunset
walked slowly through the woods for about walked slowly through the woods for abou
a mile, and again came out on the shore o a mile, and again came out on the shore of formed an outlet. This was near the place where he had seen the cow moose, and here to the water's edge, and along which he could see, if his knowledge of woodcraft
did not deceive him, that the moose was in the habit of passing.
In this he was correct, for the guide had
not been there more than an hour when he heard the sound of some animal approaching, and peering cautiously through the bushes he saw a cow moose making for the
pool. The animal sniffed the air a few times as she passed within a dozen paces of the hunter, but otherwise did not show signs of alarm. She was soon in the water ridding
herself of the flies and quenching her thirst. While the moose was disporting herself
Annance left his position behind the bush and walked a few steps toward her, and
whenever she turned he would stand perfectly motionless.
By repeating this operation several times
he managed to reach the edge of the lake
without alarming the moose. As soon as without alarming an signs of leaving the
the animal showed any sign whe animal showed antreated a few steps.
Once or twice did the moose raise her head and look at him, only, however, to resume her clumsy frolics.
Presently the
moose made toward the shore, and Annance concealed himself behind the bush aggin. At the edge of the and shake the spray from her nose. Then and shake the spray from hed slower up the sloping bank. When opposite the guide she sniffe
thing, stopped, and looked around. thing, stopped, and looked around
That was the guide's chance, and heknew it. The crick moment had arrived, and
with one quick but silent movement he was
by the animal's side. She did not move by the animal's side. She did not move
except to tuin her head and look at him. except to tuin her head and look at him.
Annance kept near her hindquarters, well knowing that if he got in front of the moose he would not stand mueh chance should she
become ugly. Cautiously bending forward, become ugly. Cautiously bending forward,
the hunter stroked her sides and allowed the hunter stroked her him. After a few her to turn and smele moose did not appear frightened, Annance, with little more diffi-
culty than is experienced with many doculty than is experienced with many do
mestic animals, proceeded to fill a smal pail he had brought along with rich, yellow milk. Returning to camp, he produced the
milk when breakfast was ready in the milk when breakfast was ready in the
morning, having kept the pail in the wate morning, having kept the pain over night, much to the astonishment of the guides and sportsmen.
People who visit Moosehead often hear Charles Annance spoken of as the "dairy
man," and the foregoing story is what gives man," and the for
Say, boys, did you ever indulge in the gentle operation of milking a heifer for the first time? If you have, you can form pretty correct estimate of how much of in his endeavors to milk a moose.

## Billy.

The clerk at the general delivery window a city postoffice is usually a pretty busy individual, but on rare occasions he has his moments of afternoon, when active busimess seemed entirely suspended, that the young man who presided over the general delivery was startled out of a comfortable nap by the sound of a piping voice issuing from an invisible quarter:
"Say, mister," said the voice, "is der a "tter fer me ?
The clerk stared out across his little corner, but failed to see the owner of the
voice. Then he poked his head half way voice. Then he poked his head and glancing down saw a little mite of a ragged fellow with a bootblack's kit swung around his shoulders.
"A letter for you?" he echoed with a smile. "I don't know. What's your name?"

## "Billy."

The little fellow shifted from one foot to the other, but his clear blue eyes looked steadily at the clerk
"Notin' else," he said, " jes' Billy."
"I guess not," the clerk replied.
"I guess not," the clerk replied.
"ou expecting a letter?
"Yes, sir."
There was
There was an expression of faith in his errand in the little fellow's face, and the tion to offer him.
"Mebbe," said the boy, "if I told yer why
I wuz-a-lookin' fer a letter, yo' ou'd find it fer me
"Perhaps I could," said the clerk.
won't do any harm to try, anyway."
The little fellow set his bootblack's kit down on the floor.
"It wuz likedis," he said. "Las' Sunday mornin' I wuz at d' mission Sunday school up town, an' on my way back I
Miss Rogers. You know her
"No," replied the clerk, still smiling.
"Yo' orter. She's d' teacher uv ou
class. She wuz-a-tellin' me erbout d' lesson, an' when I left her by her house I jes knowed it all. Well, I walked on down d street, an' pretty soon I seen an' old gent in
front of me drop a pocketbook, when I pront of me drop a pocketbook, wh an tuk it over t' the alley where I live. I seen it wuz full of money, but I never touched none uv it. Long erbout night time I begun 't' think $o$ ' the Sunday school lesson, an' the more I thought uv it the more I got worried.
mornin' I put on my good clothes agin, an

## DRPRICE'S Cieam. Bakin . Powder. <br> The

 Used in Millions of Homes-40 Years the Standard.
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I waz a-goin' t' take d' pocketbook up $t$ ' Miss Rogers. I knowed she'd feel bad's I did, an' so I thought I'd send the money back on my own accord, D, wuz some man what dropped it, an' I writ a letter to him, 'splainin' how I wuz sorry I'd kept it an' signed my name-jes' Billy. Den wrapped it up, an' sent it to him by mail." The clerk had ceased smiling by this time and he looked into the boy's sober face, as he asked:
"Did you tell the man where to reply to "our letter ?"
Nusser; but Isaid I'd come here an' ask,
see of d' pocketbook got to him, dat's to see
all."
"I see
"I see," replied the clerk. "If you'll wai minute, I'll see if I can find anything." Without any hope of success, he went ver to the "B" box, and ran quickly ove the letters it contained. In the found one addressed: Billiy

## Billy.

With a bright face he hurried back to the window, and handed the missive to the little bootblack.
"Here it is," he said. "This must be for you." or twice, and then handed it back "Read it fer me," he said, "I ain't much n makin' out writin'.
The clerk opened the envelope and extracted the contents. In a business hand was written a kindly letter a "My honest the boy call and see him at an address which he gave. The letter closed with the familiar words that "honesty was the best policy alwaye, but I feel that in this case a reward of another sort is called for." The latter referred to a neatly folded greenback which
was enclosed.
was enclosed.
The clerk read the letter over to Billy, and
then handed it to him with the inclosure. then handed it to him with the inclosure.
"Go up to Miss Rogers," he said, "and tell her the whole story; she will advise you what to do.
Little Billy's eyes sparkled as he thanked the clerk. Then he swung his kit over his shoulder again, and, promising to return to explain the rest of the adventure, he trudge out in the street.
It was a week later when he came back to
see the clerk. His clothes were new and see the clerk. His clothes were new and
fitted him somewhat better than his old fitted him somewhat better than his old
ones, and the bootblack kit was not visible. He reached up and shook hands with his friend as he said:
'I ain't shinin' shoes no more. Degentle
man dat writ me dat letter hez give me a
place in his office, an' I'm a-goin' to night chool now."
He said more than this, and the two had chat during the first lull in business. But we have told enough of little Billy's story to show how true-always true-is that story there had been no letter for Billy the olicy would have
The merit of Hood's Sarsaparilla is proven by the many wonderful cures it is accom-
plishing. It is just the medicine for you. OLD COIKS $=$


 IowaVeterinaby College 413 West Grand Ave., DES MOINES, IOWA.








## 

and 3nstitute of Shotthans and Senmanohibs Large, Thorougr, Progressive Schoo Oatalogue and beautiful specimens of penmanship Board and room 82.50 per week.

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 LARGEST It the WORLD Business and shorthand OOD SALARIES


## KANSAS FARMER.

Published Every Wednesday by the KANSAS FARMER COMPANY. SUBSCRIPTION PRICE: ONE DOLLAR A YEAR.


ANSAS FARMER CO,

WESTERN AGRICULTURAL ASSOCIATION.
EASTERN OFFICE $\left\{\begin{array}{c}\text { Frank B. White, Mannger, } \\ \text { Kit The Rookery, Chlcengo }\end{array}\right.$

## advertising rates.



Shawnee County Farmers' Institute will be held at Oak Grange hall, Mis ion township, on Thursday and Friday, ebruary 2 and 3. The first session will be held on Thursday evening. basket dinner will be a pleasant feature of Friday's session

Judge Wellhouse, who is sometimes called the " Apple King," owing to the lact that he is the largest apple-growe in the United States, says that the horiculturists of Kansas are unanimously opposed to consolidation of the horticultural interests with the Agricultura department.
The Kansas Farmer presents this week the introductory paper of a series on "Insects on the Farm," by Prof. Kellogg, of the State University ingese, as the reader will need no telling after reading the first, will be so anderesting and instructive, so plain and easily understood that they will be sought eagerly by every reader.
"Knowledge is power," and the knowl"Knowledge is power," and the knowl-
edge of how to deal successfully with our insect foes-sometimes by the aid of our insect friends-is just now re-
ceiving such development as to make ceiving such development as to make
it a power for the good of the farmer.
The State Agricultural college has determined upon a course of lectures, beginning February14th and continuing four lectures per day, most of them to four lectures per day, most of them to
be given by members of the faculty; but it is expected that some half dozen prominent men from outside will assist. it is expected that an hour and a half will be given to each lecture and its
discussion. This will discussion. This will constitute a valuable short course, or farmers' ex-
tended institute, and will be well worth the time and expense of attendance to the time and expense of attendance to Manhattan

The situation in the Kansas Legislature has not changed materially since last week. The rival organizations of the same hall without friction. No election of State Printer has been effected. The Republican caucus named J. W. Ady, of Newton, as its candidate for United States Senator, and the votes of the Republicans were cast for him. The Populist caucus failed to the two houses resulted: J. W. BreidMartin 15, M. W. Coburn 11, w, John Martin 15, M. W. Coburn 11, with the
others scattering. It is by many preothers scattering. It is by many prewill be claimed, one by each of the two great parties of Kansas. It is strongly intimated that the Republicans will unite with their ancient enemy and feat the seating of a Populist. All legislation is at a standstill.

## ANTI-OPTION.

The subject of restricting gambling in farm products came before the Kansas Legislature last week and received an emphatic endorsement from every branch of that body which considered The Kansas Farmer had prepared three copies of a concurrent resolution on the subject, and arranged to have it introduced in the Senate and in each of the lower houses. The matter was
first taken up in the Senate, where the resolution was introduced by Senator Landis, an extensive wheat-grower of Barber county. The resolution was warmly espoused by both Populist and Republican Senators, and was adopted unanimously. On the following day the resolution was introduced Populist House by Mr. Kenton, who is extensively engaged in farming in Rice county.
mously.
mat

## esolution was as follows

Concurrent resolution.
Wharess, There has, during recent
years, grown up among the boards of trade
and exchanges, a system of trading known
as eoptions" and "futures" that enables
non-owners to ofter for sale tat as "options" and as "futures" thating enabun
nones
nonhenters to offer for sale quantities of wheat, cotton, and orther products of the
soil greatly in excess of the quantities soil greatly in excess of the quantitie
grown and available for delivery; and
WHEREAs. The exchanges provide means for discovering, but on the contrary,
resort to all manner of devices to prevent resort to all manner of devices to prevent
disclosure of the quantities offered and
what part thereof qis in exces of the what part thereof is in excess of the quan-
tity produced and actually available for delivery: and
WHEREAS, $\qquad$ The offerings of agricultural
quantities greatly in excess products in quantities greatly in excess of
the quantity produced and available for de-
livery, has much the same effect as woul hivery, has much the same effect as or auld
an over-production of the article so offered. an over-production of the article so offered;
determines the price the farmer shall re-
ceive for his products reduces the returns determines the price the farmer shall re-
ceive for his products; reduces the returns
received from the capital and labor ployed in agriculture, citiminishes the value-
of land and its proucts. of land and its products; impoverishes the
ultivator, thereby destroying his power to cultivator, thereby destroving his power to
purchase of the products of others;
coreateres
corcial stagnation; causes rapid and commercial stagnation; causes rapid and
wide fluctuations and great declines in price ; wide flluctuations and dreat decines in price,
intimidates and drives from the market the
ivestment the market by causing mille and and spriowner
to buy only for instant consumption; tends to buy only for instant consumption, tends
to destroy owner's interest in the value of actual propertyr protectest by the value of hed sale
and usurping the functions of supply and demand enables the "option dealer" to determine values by manipulation; and
WHEREAs, Such fictitious tran upon the exchanges, that determine the numerous as to greatly reduce the profits of Whereas, It is
hus inflicted upon 40 itest that wrongs are ulation engaged in angriculture, hence tope relief
can comeonly through Congression can comeonly t


Resolved, By the Senate, the House of the Senatotives and Rencurring therein, that gress assembled be and are hereby re-
quested to enact the bil now pending in the
Senate, being House bill known as the "Hase bill, No. 7845 , and
enact some other late bill," or to at onc enact some other law whereby the offering changes shall be restricted to the owners
thereof and those who have the owner the right to the future posses-
sion of the articles offered, in order that
the value of the products of the soil shall the value of the products of
 om products by those
of the articles offered.

## THE GOOD ROADS MOVEMENT.

Complaint is made by those who are engineering the movement for better that a roads in the United States, that petitions are not retus sent out for signature expected. The indifference doubtless is to some extent attributable to the impression in the public mind that there are selfish purposes behind the movement, and that somebody is wait-
ing to step into the comfortable official ing to step into the comfortable official
position as soon as it is created. The petition asks that there be founded in the city of Washington a Road Depart ment, similar to the Agricultural De partment, for the purpose of promoting and maintaining art of constructing and maintaining roads, and that in such deparment provision be made for teaching students, so that they may besuggested also that in connection with this Road Department there be estab lished a permanent exhibit, in which shall be shown sections of roads, illus trating the various methods of construc tion, and also the best road materials and machinery. The petition further requests that Congress appropriate sufficient funds to erect a building at
the World's Columbian Exposition for
the purpose of a comprehensive road exhibit. Now, it is argued that all his is for the special benefit of country $t$ is urged that it be placed in the hands of an independent departmant. work in no reason apparent why thi should be taken or in so far as it be omitted, may, not be done in bureau of the present Agricultura Department, without the cumbersome machinery and expense of an independent road department. - Improved highways are a part of the advancement of
the age, and better means of travel and transportation are means of travel and the more perfect development of the country; so, too, offices will be increased and it is exceedingly popular to assist in the promotion of schemes providing means to get people on the public payrolls. But at the risk of being considered old-fogyish, the KANSAS FARMER prefers to assist in placing in the hands of departments at present organized and prepared for it the work which naturally and properly belongs new expenses than to aid in creating additional benefits. subject of Road Department be referred to the Department of Agriculture.

## DAIRY SOHOOLS IN IOWA

Kansas is just now seriously consider ing the subject of a dairy school in cultural college, at work of the Agriexperience of at Manhattan. The clearly lome from Iowa college, to the Kansas Farmer: "Although it is only a little over year since the dairy building at the lowa Agricultural college, Ames, Ia., mission of students, opened for the ad nission of students, the dairy education iven here has become so popular that as we getting about as many students with our handle to the best advantage problems that came up for solution luring the past summer was how we could do the most good and be of the greatest benefit to those students who
came before and after the regular dairy chool that begins the 1st of DecemAs we have in operar twelve weeks. cheese factory the year round, and onsequently handle a large amount of milk during the summer months, we eceived applications for admission from a number of young men who could ttend the school most conveniently uring the summer months. We have dmitted such and given them thorough ork on the practical side, allowing hem to work continually with those ide of charge of the commercial due of the factory, but for want educational force have been unable to
give them more than thorough drilling in all that pertains to practical dair work. Now, however, the Board of
Trustees having provided for educational work by the election of a dair specialist, we will be able to be of as much benefit to the summer student as have decided to conduct three dair chools in the year instead of but one The first of these schools will begin March 1, the second August 1, and the tudents attending the summer school will be given thorough drill in the practical dairy work, both with cheese and butter, and Prof. Wallace will de dealing with every phase of the dairy question, from the cow to the churn and oring-room. In addition to this the students who enter at the beginning of the term will have the opportunity to attend the classes of the regular four year course and take the lectures on
breeding, feeding, breeds of live stock, etc., or any others that they may elect, thus giving them an opportunity to devote the major part of their time to a much broader education than usual. Especial attention will be given to farm dairying during these summer schools, thus giving the younger boys and the edge of dairying that they can take home and apply. No entrance examinations will be required of those who
enter either of these dairy schools and we hope to see them fill up rapidly fom the farms of the West."

OOURSE OF LEOTURES TO FARMERS The Industrialist, the organ of the tate Agricultural college, invite
 n practical topics pertaining agr ulture, horticulture, stock-raising airying, veterinary science, road building, farm architecture, farm ac to all parties interested the will commence on Tuesday Fours 14, at 10 o'clock a. m., and February daily, including a. m., and continue February 18, until Saturday rurry 25 . It is in lectures per day; at $10: 30$ a give three p. m. and at 3 p. $m$, at $1: 30$ there will be an evening loccasionally lecture will be followed by a general discussion of thed a genera which all are expected to facts, in A program expected to participate tails, will be issued before the opening of the course. The following opening of the course. The following is a list bers of the faculty:


 ciples of Propagation in Horticalture,
Bon.
Iruit Culture, Prof. Mason.
pe Culture, Prof Mason.
ial Insect Pests of the Orchard, Prof. Use of Insecticides, with Methods, Prof. Usefal and Noxious Birds, Prof. Lantz,
ross-fertilization of Plants, Prof. HitchTommon Agricultural Fungous Pests, and
 Prof. Failyer.
Care of Sck and Wounded Stock, Dr. Mayo. everinary surgery, Dr. Ma
ndging Horses. D.
Dintry
$\qquad$ d. lectrical Frauds, Prof, Nitohols.
conomic Production and Use of Energy
Farmin Prot Farm, Prof. Hood.
axation, Prof. White.

Faccounts, Secretary Graham.
Farmer as a 'roducer of Wealth, Pres-
Lectures on special topics, by pracical farmers and specialists, will probably be presented, as follows:

## Mixed Husbandry, Hon. Joshaa Wheeler,

The Apple Orchard, Judge F. Wellhouse Thairmount. Bheep Industry, Mr. H. A. Heath, of the KaNsAs Farmer.
The Dairy, Hon, Geo. Morgan, Clay Center.
8wine Habbandry, Hon. F.D.Coburn, Kansas City, Ralanced Ration, Mr. P. S. Creager, of the
Thensas Capital. The invitat
of lectures ion attend this cours young. It is extended to all-old and young. It is expected that the pro promptly and heartily respond. Such an opportunity to study modern ideas f farming, and to become acquainte with the means and methods of the argest agricultural school in America and reading rooms of the college, and its museums, laboratories, green-houses, barns and class-rooms will be open every day, and everything will be done by the faculty to make the course profitable and interesting to all who ttend. There will be no charges, th nly expenses being for board an odging, and these can easily be kep In order to pe if so desired.
angements, including the pressary ar angements, including the preparation a ist of suitable boarding places, al ho propose to attend are requested to February 10 to the President of the college, at Manhattan.

## *Prof. Georgeson, having been unexpectedly ommissioned by the United States Department oommissioned by the United States Department of Agioulture to staud the dairy industry in Denmark, Engand and Holland these lectares give place to other ants Ho

## Don't expect good results from wrong conditions.

I find Salvation Oil the best cure for Zimmerman, Wetheredville, Md.

SEORETARY OF AGRIOULTURE. At the recent meeting of the Kansas
State Board of Agriculture, resolutions were adopted, by a rising vote, recommending Hon. George W. Glick for appointment to the Cabinet position of Secretary of Agriculture.
Governor Glick responded as follows: Mr. Charrman and Gratlemen:-I cer-
tainly feel profoundly gratefulfor this manfiestation of your kindness. While there is no probability, and hardly any possibility, that the selection that you have so kindly suggested will be made, it is nevertheless
but just that I should say to you that the adoption of your resolution conveys to me
pleasure as lively as though it could be realized and I were given the position. I know of no vote that any man could receive that pays a higher compliment. and, in my
case, I might say, Mr. Chairman, an undeserved compliment, because it says pleasing things and kind things, pertaps way beyond might say to the gentlemen met here that we were the first to move in the direction of having the office or Commissioner of Agriculture made a Cabinet position. Kansas stood in the first rank. Not only this State Board of Agriculture but repeatedly, twelve,
fifteen, and I don't know but twenty years fifteen, and I don't know but twenty years
ago, the Legislature of the State of Kansas passed resolutions suggesting the change be created to take the place of the office of Commissioner of Agriculture. We felt then, and I know, for I prepared resolutions
upon the subject myself, and they were introduced and were passed through both houses of the Legislature unanimously, that the farming interest of this country was
and is the great industry of the country. That it was the great motive power that forward, and when we consider the great South and the great Wenst, and especially
the greant West, that contains the grain-prothe great West, that contains the grain-pro-
ducing part of this nation, and the beefducing part of this nation, and the beef-
producing part of this nation, and the porkproducing part of this nation, and the wheat and corn-producing part of this nation,
which furnished over eight hundred millions of the exports of our great nation, it of the exports of our Ereat nation, it any administration that the people may call to power. Add to that, the products of the
South, whose interests, so far as agriculture are concerned. are identical with our own, although in a different direction, and it swells the great agricultural exports of
this country to eight hundred and twenty millions per annum, leaving only one hun-
dred and eighty millions of exports of all ared and eighty millions of exports of all
other articles of our great nation. We are paying our debts to the other nations of the
world by the sweat of our faces, by the products of the sweat agriculture. We fares by the proour gold at home. We are keeping the balances of trade in our favor, so that when
the balances are settle, they are paid to the balances are settled, they are paid to
our nation in gold. In alt times of misforernment is compelled to rely upon any class of lts citizens, she can always rely, and she has always relied upon that great stratum, the agriculturists of the country. They are conservative; they are thinking men.
Their avocation and business in life takes Their avocation and business in ilife takes
them outside of the turmoil and strife of the them outside of the turmoil and strife of the
great centers of population and commercial and political activity. While following
their plows, while feeding their stock, they are engaged in solving within their own homes the great problems of our nation, and
the best methods of conserving and extendthe best methods of conserving and extend-
ing its great prosperity. If it be asid that this is a selfish consideration, the answer is, Mr. Chairman, that the cherishing and
protection of selfsh interests is what consti tutes the great conservative power of the American nation. We have to rely upon
that in that. If there were no personal interest be
hind us ; if there were no personal interest to urge us in the direction of cortain measures, in the direction of certain lines, in the
advocacy and solution of certain great polit-
ical ical and economical problems, we would be
simply a disorganized mob, controlled the passions and excitements of the hour. cultural population for its greatness. It relies upon it to pay our debts, and in times of trouble, when the call is made, it is the
agriculturists who desert the plow and shoulder the musket, and declare that their maintained whether it is right or not. No country like ours, whose substratum of business is its agriculture, can exist unless that
great great population of the country is properly
looked after and properly cared for, and its greatness and its power and its necessitios
properly considered. Now, gentlemen, I do properly considered. Now, gentlemen, I do
not desire to toke up your time. I feel that I am trespassing now, but there is another
word I want to say. The oftice of Secretary of Agriculture is a very important offlce to the people of this country, important be cause we are the representatives of the great wealth of this nation, we are the represen-
tatives of the producing wealth of this nation; werepresent that business upon which the prosperity of this nation is founded, and without which it cannot be maintained, and
therefore, we are entitled to have an offlcer
in the Cabinet of the President of this nain the Cabinet of the President of this nabe our spokesman, one who understands our needs, and will stand up for our rights. There are other considerations in this matconflined to this locality, important way beyond what any of us perhaps appreciate only call your attention to the fact that through the efforts of the Secretary of Agriculture, millions and millions of dollars worth of produce of this country are sold to foreign nations from the city of Chicago, and when you reflect that by a little management, developing the Mexican and other markets, you could increase the business of
the Kansas City packing houses and other industries in this State ten, fifteen or twenty millions a year, you will readily perceive the exact benefit we shall personally derive in this locality. Business need not be transferred from Chicago; it need not be transferred from Milwaukee, and with-
out interfering with these great markets out interfering with these great markets
business interests may be established in the center of this greatagricultural country that would redound to the beneft of each and very one of us. It would increase the
value of our farms; it would increase the value of the produce of our farms; it would
increase the value of our herds and of our increase the value of our herds and of our flocks, and in that way inure directly to great Missouri valley, or in the great Mississippi valley, as we like to express it, betory as we possibly can. While we are upon this subject, Mr. Chairman, I might say just a word further: If we will exercise the proper amount of agility, we can do
millions of dollars of business with the Republic of Mexico that we do not do to-day. Why, the fact is, gentlemen, that American hams are selling to-day in the city of Mex-
ico for 75 cents a pound. Why should not trade relations be established or 90 per cent. of the products of your people, and put into your pockets many hard dollars? That would beneffit you all; it would be a matter of vast benefit to you all; it would increase the wealth of all of
you; increase your prosperity, and conyou; increase your prosperity, and con-
tribute greatly to that happiness that I hope, in the good will of Providence, we
shall have, whether Mr. Glick is Secretary of Agriculture or not.

## STOOKS SHRINKING.

The fact that the "agricultural depression" is not the only "dullness" quotations for leading railroad stocks at the beginning and the close of 1892:

## Crite Erie. siore Now York



Miksooriand Pacifio.
Milonois Contral
Ilion

entral Pacific
Northern Pacicic Pid:
Southern Paoifio....
Oion



It thus appears that in spite of the immense crops which have burdened
the roads with more freight than they could properly handle. and notwith standing the prospects that the World's
Fair will tax to the fullest extent their capacity to carry passengers, some cause has operated to depress the aver-
age price of the leading stocks an average of nine points.
At a meeting of the Shawnee County Dairymens' Association, held last Satur day, at Lincoln Post hall, the subject or consideration was legislation to pre
vent deception in the sale of oleomar vent deception in the sale of oleomar
garine and other substitutes for butter The expression of the speakers was that they were not afraid of competisold for what they are; but that when the purchaser is tricked into the belie that he is securing pure dairy or cream-
ery butter, these articles secure an advantage in the market which does not belong to them and at the expense of he producers of genuine butter. The bills prepared by the committee of the
State Dairy Association were before the meeting and elicited considerable comment. It was thought that these bills, which embody the provisions of
the Iowa law, would be beneficial, if the Iowa law, would be beneficial, if ical measures should be secured if pos ical measures should be secured if pos-
sible. A committee was therefore
appointed to prepare a bill in accord-
Shawnee Oounty Hortioultural Society.
The first meeting of the new year was held in G. A. R. hall, January 21. The election of officers resulted as President, J. M. Priddy; Secretary, W T. Jackson; Treasurer, Philip Lux. The retiring President, A. H. Bucknan, complimented the society on the work completed and benefit derived rom experience during the past year, complished in the mor wo ing, by all horticulturists commenctime and thought to the busine give ing the necossity of the business, urg meetings, for the interchange of ideas and experience on subjects possessing mutual interest.
Mr. Creager, of the Capital, called the attention of the meeting to the fact Horticultural Society hold- its meetings hereafter in Topeka, and suggested that a chrysanthemum show be the prominent attraction, though fruits be also exhibited. It was decided to make this a subject for the next meeting, and a committee, consisting of President J. F. Cecil, Judge Wellhouse and Philip Lux, was appointed to formulate a plan Lux, was appointed to formulate a plan
to be presented for the approval of the society.
To prevent further mistakes it was ings be held on the fourth Saturday of each month at $1: 30 \mathrm{p} . \mathrm{m}$., in the parlor each month at 1:30 p. m.,
of G. A. R. hall, Topeka.

## Missouri Valley Hortioultarists.

Editor Kansas Farmer:-The Missiouri Valley Horticultural Society met January 21, 1893, in the office of Blair President, J. C. Evans, in the chair. In response to a call from the mem bers, the President-leect for 1893, J. C. Evans, made a few 1naugural remarks, complish as manager of the World's complish as manager of
Fair exhibit for Missouri.
The first work presented was the re port f
1893.
The following program was adopt and ordered printed:
March-"Proper Care of an Or chard," H. Hughes; " Horticultural Library," L. A. Goodman.

Evergreen Varieties,"J. O. Durkees; "Humbugs," John Blair.
"Horticulture and Health," Mrs. Chandler; "The Treatment of
Roses to Obtain Bloom," Mrs. Grace Roses to Obtain Bloom,", Mrs. Grace
Durkees; "Small Fruit," George W Dopkins.
June-"Horticulture at the World's Fair," J. C. Evans; "Fruit-Growing in
Southern Missouri," M. G. Gona; "HisSouthern Missouri," M. G. Gona; "His-
tory of the Apple," Dan Carpenter and tory of the App
Amanda Evans.
July-" What New Fruits," L. A Goodman; "Birds at the World's Fair, . T. Keim; "Canning for Home Use," Mrs. Edwin Taylor; "Flowers," Mrs. G.
E. Rose.
August-"Tree Types," G. E. Rose; "The Beautiful in Horticulture," Lizzie Espenlaub; "From Blossom to Fruit,"
Edwin Taylor; "Bugs," F. Holsinger. Edwin Taylor; "Bugs," F. Holsinger. White; "Failure of Fruit in 1892 and the Effect on the Trees," J. Durkees "Apiary, Its Relation to Horticulture," Espenlaub; "Vineyards," G. F. Espen aub.
October-"Horticultural Displays, A. Chandler; "Spraying," A. H. Gilkerson; "Chemical Composition of Soils, Goodman: "Ornithology," E T. Kiem November-"Storage of Fruit," November-"Storage of Fruit, ${ }^{\text {G }}$, Edwin Taylor; "Energy a Factor o Success," M. L. Thompson.
December-Reports for the year and lection of officers.
Passing to the discussion of the fruit prospects for the ensuing year, Mr. W.
A. Gosnell, of Kansas City, Missouri, eported peaches all right yet, and apple orchards apparently recovered from last year's blight. He thought that the Winesap trees had suffered
most, the leaves often withering up as
if scalded. Yet they made some new growth.
Mr. Espenlaub, of Rosedale, reported his trees not yet recovered. The summer varieties suffered least.
J. A. Balies, of Lee Summit, reported his trees not yet recovered. He hought the blight the result of elecSever
Several orchards were reported to have borne a heavy crop. Mr. Miller, of New York State, reported that the fruit trees in his section had suffered in the same way the attributed the blight to electricity, but he believed it to be the eresult of continuous heary rains. Too much wet at the time of blooming will often wet ate the time of blooming will orten cause H. Hughes, of Rosedale, reported his peach orchard slightly injured by the late cold, but, as a rule, few orchards have suffered yet.
Grape vines were reported by G. F. Espenlaub to be in the very best condition. He thought that strawberries did not promise a full crop.
After some further discussion the of Blair \& Kauftan on 1893. GEO. E. ROSE, Secretary.

## Some Practical Experience.

Editor Kansas Farmer:-It will probably be of interest to some of the readers to know that most all of their stock, including horses, cows and hogs, will eat and relish a few sweet potatoes We fed a wagon load this fall. As we were not prepared to keep them we tried it as an experiment, for we knew they would rot and be a loss. But we were successful.
In southern Kansas, along the streams where it is sandy, we can grow
from 200 to 400 bushels per acre, and from 200 to 400 bushels per acre, and much cheaper than corn. We cannot see why it would not pay to raise an acre, for there is nothing that a hog likes any better; and our horses would leave their corn meal, wheat bran, dry
or soaked corn, as soon as we would give them a potato.
To protect trees from rabbits and mice rub the trees with rabbit blood, or, when you are going to and from town, pick up the old tin cans you see along the road, take them home, unsolder the bottom and sides, and set them around your young fruit trees to them.
Where you have many tree holes to dig, lay off your rows with a plow and try a common road-scraper. It is much faster and easier than to do all the digging with a spade.

## Argonia, Kas. <br> $\qquad$

B. F. Gehman, of Hutchinson, writes: I would like to hear some of your orrespondents discuss the pros and ons on breaking prairie in March or harrow fine and plant corn on and culharrow fine and plant cornonand as any corn planted with a planter. Also, is there such a thing as planter. Also, is there such a thing as
drilling along with corn some compound that would keep moles from taking the corn? Another question is, would it pay to use any of the patent fertilizers when planting corn in sandy oil?"
One of the best and most timely agricultural books published last year was "Clover Culture," by Henry Wallace, sound of the lowa Homesteal. for one dollar. Every farmer in this State should have a copy at once, and the Kansas Farmer Company, always on the alert to give its readers unusual "Clover Culture" to any reader who will send us but three yearly subscribers and one dollar each, or we wil for only $\$ 1.50$. Order now of this office.

In the past few years Hood's Sarsaparilla calendar has become such a favorite that the people anticipate its annual appearance
with pleasure. The calendar for 1893, which is now before us, will fully satisfy every expectation as to beauty and utility. It is a
little larger than ever before, and bears a beautiful picture of the "Young Discoverers" with a pad below in plain figures, all rsinted in pleasing and harmonious colors. To be appreciated it must be seen. Get a copy of your druggis or send 6 cents in
stamps to C. I. Hood \& Co., Lowell, Mass.

## §orticulture.

## INSEOTS ON THE FARM

By Prof. V. S. Kelloge, of the State University. If the editor of the KANSAS FARMER is going to devote space in his paper to his avowed intention, it is certainly not unfair for the subscribers to his paper to ask him why he should do our littlie insect cousins this special honor? Fortunately, in these good days of reading and general intelligence, there will be few of the FARMER'S readers who will not be quick to answer their own question.
The insect on the farm as an acces sory or subsidiary erop is unfortunately of only too much importance in the sum while Mr. Mohler does not devote any columns of figures in his crop statistic to the number of bushels of chinch bugs and Hessian flies and whent straw worms annually produced in Kanses felds, yet the fact that there are bush ols and bushels of them is very eviden to Kanses farmers and is indirectly shown in these very statistios.
The time has gone by when it is necessary to emphasize the importance of economic entomological work, by presenting statistics of the annual losses sustained by various crops by reason of insect attack. It was good old Horace Greeley who said in his essay on "What I Know About Farming:" I were to estimate the average los I were to estimate the average loss per from insects at $\$ 100,000,000$, I should doubtless be far below the mark. The loss of fruit alone by the devastations of insects, within a radius of fifty miles of this city must amount in value to millions. * * * We must fight our paltry adversaries more efficiently, or allow them to drive us wholly from the field.'

Since the time of Greeley the fight ing has gone on bravely, and in very recent years especially has been in In Californis certain small scale in sects have annually caused great loss to fruit-growers. A "lady bug "which feeds on these scale insects has been introduced into California from Ausof Entomology of the United States Deof entment of A partment of Agriculture, and has be-
come the means of a large annual come the means of a large annual saving. In Massachusetts an European moth, known as the Gypsy moth, whose
larva (the caterpillar) is very destructive to the foliage of fruit and forest trees, thad gotten a rood foothold in certain forest area. By prompt and entain forest area. By prompt and threatened to spread over all of New England, ravaging the forests of that region, has been confined toing not over fifty miles square. Finally, Prof. Snow's war on the chinch bug stands out conspicuously as a great work in economic entomology. Prof. S. A. Forbes, Stat foremost of present day economic entomologists, says of this work in a recent address on the entomological work the year 1892

I must not leave this subject without more special reference to the re markably extensive, suggestive and hnow on the propagation and dissemi now on the propagation the set forth with considerable detail in set forth wist con erable detail in his ring the war on the Gypsy moth in cepting the war on the Gypsy moth in Massachusetts, it is the largest pracnomic entomology."

The one prime object in view in the study of economic entomology is the getting at remedies-cures for the diseases to which our crops are heir, by
reason of their insect enemies. Now reason of their insect enemies.. Now, the good and sufficient remedy against the rood and sumcient remedy against rotation of crops, and the economic entomologist may perhaps properly entomoler his duty done when, after disconsering this fact by arduous study he covering this fact by arduous study, he I am inclined to the belief that the entomologis step is at once in the
line of general education, and in the line of making his rotation-of-crops-in This further step is the explaining, in simple but exact language, the reason why a rotation of crops is an efSuch an explanation must involve more or less discussion of certain points in the economy of insect life, and this discussion is likely to be involved in considerable mystery unless the reader possesses an elementary knowledge a east of the life history and genera make-up of insects, or unless this ele mentary information is given every time a remedy is proposed. This last alternative is quite impracticable. Therefore, the point is to bring about he first condition, namely: a knowldge on the part of the readers of the not at all a difficult matter to face; in fact, it seems to me a very simple and easy one. And now, in the winter time, before we have to get actively to work applying our remedies, is the odge go the the elementary know organze into one large class those of its readers who oare to learn something bout insects, and to print for them this winter, a series of short connected articles, properly illustrated, on "Elementary Entomology." It is hoped that some, if not all, of the graduates of this class may become sturdy insect fighters, and so really do something in the way of "standing up for Kansas" as well as for themselves.

## Whole-Root vs. Piece-Root Grafting.

 Lawrenoe, Kab., January 17, 1893. Editor Kansas Farmer:-The following is a substantial copy of the report of a committee appointed at the recent annual meeting of the Kansas specimens ${ }^{\text {a }}$ tural exhibited by Wm. Cutter, of Junction City:Your committee, to whom was referred the exhibit of apple trees made by With. Cutter, of Junction City, Kas. propagation, beg leave to say, that we have carefully examined the same and ind, that those grown from whole-roo rafts are well rooted and have made a air wood-growth, but no better than hose grown from sections of roots.
Your committee ragard the whole oot process of propagation, at least o the apple, objectionable, because the oots supporting the tree wholly deelop from the seedling root used, and hich are known to be unreliable in "whole-root graft" is a difficult form plant, while with the "section-roo grafts" the system of roots develop argely from the cion used, and if the cion be from a known hardy variety, For these reasons your committee de cidedly prefer and recommend the use of section or piece of roots in the propa gation of the apple.
Your committee find the experiment onducted by Mr. Cutter, as illustrate y his exh thery interesting and in tructing. Those made to determin of a root when cut into three or four pieces and beginning with the first cut which included the collar, fully show preferable to all the others, but does not demonstrate a sufficient difference portion of the root in propagation portion of the root in propagation. The experiments illustrated in the
use of long and short cions, show that neither a very long or very short cion is desirable; that a length of from six
to twelve inches produces the best results.

In conclusion, we recommend a vote of thanks to Mr. Cutter for these valuable experiments, and express the hope that he, and others, may continue and enlarge these investigations.
F. Wellhouse,
U. B. PearsayL,
S. C. Mason,
Committee

Committee.
If the care of the hair were made a part
of a lady's education, we should not see so many gray heads, and the use of Hall's Hair
Renewer would be unnecessary.

## Che Doultry Yard.

## STATE POULTRY SHOW

The Kansas State Poultry show, held in Topeka, last week, was the larges and most successful ever held in the Nest.
It was attended by the leading poulrymen of Kansas and western Mis ouri. There were seventy exhibitors, and the premiums taken amounted to 8300. The premiums were promptly paid and a good balance remains in th reasury. C. A. Emery, of Carthage,
Mo. did the scoring, to the satisfaction Mo. did
of all.
The following officers were elected or the ensuing year: President, W. A Roberts; Vice Presidents, N. R. Nye,
E. A. Haslet and C. M. Irwin; Secretary, C.H. Rhodes; Treasurer, Thomas Owen; Executive Committee-M. S.
Watson, S. S. Robinson, A. K. Craig, W. F. Groesbeck, G. C. Watkins.

The success of the present show was greatly due to the efforts of C. H.
Rhodes, Secretary, of North Topeka, Rhodes, Secretary, of North Topeka,
and Thomas Owen, Treasurer, of Topeka.
The following were among the many exhibitors: S. S. Robinson, Hazelton; A. D. Hawk, Kansas City; W. C. Alexander, Everest; G. C. Watkins, Hiawatha; Henry Martin, Canton; A. K. Craig, Lyndon; C. S. Treat, Wichita;
M. S. Watson, Reserve; C. M. Irwin, M. S. Watson, Reserve; C. M. Irwin,
Wichita; Robert Murphy, Hukle; E. M. Campbell, Lawrence; W. F. Groesbeck Concordia; Arthur Beauchamp, Conoordia; J. R. Douglas, Concordia; W. R. Comstock, Dover; John C. Snyder, Constant; N. J. Boltzer, Clyde; Charles E. Hoag, Minneapolis; W. A. Roberts, Minneapolis; W. A. Stewart, Wichita Tiff Moore, Osage City; R. H. McMil len, Chapman; N. R. Nye, Leaven-
worth; Geo. H. Perry, Kiowa; Geo. B. worth; Geo. H. Perry, Kiowa; Geo. B.
Conklin, Whiting; Mrs. B. F Conklin, Whiting; Mrs. B. F. Scott, Burlington; Theo. Sternberg, Ellsworth; A. F. Kinzey, Douglas; R. Stanley Stewart, Wichita; J. E. Wood-
ford, Burlington; S. G. Sprague, ford, Burlington; S. G. Sprague Atchison; James Querollo, Kearney Swerdfeger, Wichita; H. A. Wattles Bayneville; Fred Metz, Bentonville F. E. Barnhart, Chalk Mound.

Topeka exhibitors were: John Haman, Aaron Sheetz, C. Traver, C A. Sparks, P. Plamondon, John Ramsberger \& Son, H. H. Bair, Fred Gahagan, F. G. Tompkins, M. M. Mil Hankla. H. E. Goddard, C. H. Rhodes, Adam Rawyer, A. C. Fox, C. B. Tuttle



Pallet, first, second and third, N. R. Nye.
first and seoond, N. R. Nye.
Buft Cochinns. Cockerel, first. R. H. McMi


Hoag, tie. Pen, first, Chas. . Hoag.
Ful- Feathered But Cochis. Cockerel, fir
and seoond A. K . Craig. Puliet, first, secon

H. Mhodes.
While Cochins - Cockerel, first, F. E. Barnhart.
Pallet, first, F. E. Barnhart.
Black Langitans - Cook first, s.



## $\mathfrak{I n}$ the $\mathfrak{D}$ airy.

## DAIRY SOHOOL WORK.

By E. S. Brabaker, read before the Kansas State
Dairy Aseociation.
An institution of this kind is built by the State, and should be located with the State agricultural farm. And such men are employed to give instruction to students as have a praatical knowledge in dairy work. The student who attends the school should not be less than 18 years old, and have a common school education. The student at a Jairy school is not only taught the theory but receives practical -instruction in dairy work. The dairy school should receive about 5,000 pounds of milk daily. The milk is used for milktesting, butter and cheese-making, and also to do experimental work. Dairy instruction is divided into four subcourses.
I. Lectures and class-room work, which may again be divided as follows: 1. Constitution of milk; the conditions which affect creaming and churning; the various methods of milktesting; the preservation and aeration of milk.
2. Bacteriology.
3. Engineering. The care and management of the boiler and engine. 4. Heating, ventilation and other physical problems connected with dairy practice.
5. Breeding and selection of dairy 6. Feeding and general management of dairy cows.
7. Common diseases of dairy cows. II. Milk-testing.-The time is at hand when patrons of all of our creameries and cheese factories will and
should insist on receiving dividends according to the fat in the milk delivered by them. I think that every one within the sound of my voice will agree that to buy milk, the pooling system is unfair and unjust. In this sub-course the student is given thorough instructien how to use different milk-testers, and will also be taught to determine accurately the amount of fat in a sample of full milk, skim-milk butter milk and whey. By the use of the test in connection with the lactometer the student will be taught to He will also be taught how to measure the necks of the test bottles in such a way as to know if they are correctly way as to know if they are correctly
graduated. The factory operator will use the test not only to determine the fat in the milk delivered, but also in watching how closely the separator is skimming, how completely fat is being lost at the whey tank. To be abreast of the times every creamery operator and cheese-maker must be thoroughly skilled in the use of the Babcock tester, which is the only one that should be used, because it is very accurate, simple and easily operated.
III. Butter-making. - The student will be taught how to lace belts, set up separators, how to run them, and will also have the opportunity of running the different makes of separators, such West De Laval, Alpha, Jumbo, DanishWeston and Russian. At what temperature to separate milk, and it will be explained to him why milk is heated
before run through the separator, and before run through the separator, and
is shown how to test cream, to prepare is shown how to test cream, to prepare a starter for ripening cream, and at
what temperature to hold cream, how to take care of cream in order to get the necessary acid in cream, how to churn sweet cream, churning, washing and working of butter.
IV. The student is taught how to
take care of milk in coling, take care of milk in cooking, and what effect acid has in the different stages; will also be drilled in the use of the rennet and hot-iron test, both for indicating the time for drawing the whey, and when to put to press; instructions
are given how to bandage, pressing and dressing of cheese, as well as the proper temperature of the curing-room and care of the cheese on the shelves. the school, he should be employed for at least six months in a creamery as
helper, then spend another term in helper, then spend another term in
school, and following the term he should have charge of a creamery, and be furnished with blanks to make re-
ports of his work at the end of the month. After six months have an inspector sent to his creamery, and if he should receive a certificate. The student will be able to take hold of a creamery and run it successfully, and maker will be so educated that we will have nothing but first-class butter and cheese, and thereby receive better wages for our work. I would urge every one that is interested in dairy work to use his influence toward having a school of this kind established in connection with tho Agricultural college at Manhattan.

Blood tells, but nourishing food is a great Better make two loads than overload your $\underset{\text { Farm }}{\text { Fads }}$
Farmers need a better knowledge of Individuality is often as marked as the
breed.

Pure air and clean water are demands of
Treat your hired help well if you want to cop
All animals need exercise according to

## For Bronchitis

cine so much as I have in the last few months, during which time I have suf-
fered intensely from pneumonia, followed by bronclitis. After trying various remculies without beneft, I began the use of Ayer's Cherry Pectoral, and the effect las been marvelous, a single dose re-
lieving me of clioking, and securing a lieving me of choking, and securing a
good night's rest."-T. A. Higginbotham, Gen. Store, Long Mountain, Va.

## La Grippe

grippe. At times I was completely pros trated, and so diffcult was my breathing that my breath seemed as if confined in
an fron cage. I procured a bottle of Ayer's Cherry Pectoral, and no sooner hyer's Cherry Pectoral, and no sooner lowed. I could not belleve that the ef-
fect would he so raptd."-W. H. Williams,

## Lung Trouble

 was a sufferer from lung trouble, attended with coughing sn severe at times as to quently lasting three or four hours. was induced to try Ayer's Cherry Pectoral, and after taking four bottles, wasthoroughly cured. I can confidently recommend this medicine."-Franz Hof-

## AYER'S

 Cherry Pectoral Prompt to act, sure to cure

## CONSUMPTION SURELY CURED.

 ers that I have a positive remedy for the above named disease. By its timely use manently cured. I shall be glad to send mane bottles of my remedy free to any of your readers who have consumption if they will send me their express and post office address. Respectfully, T. A. Slocum, M.C., York.No. 183 Pearl Street, New York.

## Tutt's Pills The purge the bowels doen not make  <br> THE REMEDY

mustact on ft. Tutt’m, Kiver Plils aet riow or bili, withorgan, which, the bow.
ols are alway constipated. Price, 250. Sold Everywhere.
Ofice, 140 to 144 Washington Stog N. I.
Co MON \&HEALY

## 

is stamped in the best watch cases made. It is the trade mark of the Keystone Watch Case Company, of Philadelphia, the oldest, largest and bestknown factory in the world1500 employees, capacity 2000 cases daily. Its products are sold by all jewelers. It makes the celebrated Fas. Boss Filled Watch Cases, now fitted with the only bow (ring) which cannot be pulled off the case-the


Ask your jewelerfor pamphlet.

 canno

## BURPEE'S Farm Anual for 1893 "nini Bick  




Farming is a grand success. We have a Butter and Cheese Factory that was bult five
years ago and has made our community what it is now. Should you need a Butter and CHICSO

## Che Jamily Doctor.

| Oonducted by HinRE W. ROBX, M.D., consulting and operating surgeon, Topeka, Kas., to whom and or adaressed. This department is intended to help fic readers aoquire better knowledge of how tolive long and well. Correspondents wishing anIVe long and well. Correspondents wising an one dollar when they write. |
| :---: |
|  |  |
|  |  |

## Answers to Oorrespondents.

 Familyeverything $I$ eatos:-Fors on two soars past everytinutes especially fruits of any kind.
few minu
I am getting weaker and thinner all the time. All remedies fail to do any good. Plumb P .O., Lyon Co., Kas.
Separate eating and drinking into two acts and occasions. Before eating, take what drink the system craves, then drink abso-
lutely nothing for three hours. Eat your lutely nothing for three hours. Eas dry as possible and eat it slowly. Keep the stomach free from any liquid until digestion is completed.
Put five drops of pure sulphuric acid into
half a glass of water and take a teaspoonful half a glass of water and take a teaspoonful
of that half an hour before each meal. If not cured in two weeks let me know,
Whenever our baby, 14 months old, takes
a severe cold, he has a gathering and disa severe cold, he has a gathering and dis-
charge of pus from the ear. The last time days. I think your advice in the FArmRr
would benefit other cases as well as mine. Would benefit other cases as well as mine.
Allamead, Kas. T. TmMrrmans. Your child has chronic catarrh of the ear and neighboring mucous surfaces. It al-
ways arises from taking cold, which, not being cured, leaves an inflamed surface, and the repetition of colds finally results in so much thickening of the membranes that the natural discharges cannot find egress, and the result is what is known as a gathering and the formation of pus from broken down tissue, caused by the inflammation.
While the gathering is developing, fre quent and gentle syringing of the ear with quite warm water helps very much to re quite the pain and lessen the swelling, and after the discharge begins it helps to clean the canal and prevent poisoning of the surfaces by the pus.
Give the child internally three doses a day of hepar sulphur in what is known as
the third trituration, and when it seems enthe third trituration, and when it seems ensure that all the inflammation is entirely removed. If a fresh cold is contracted, give a few doses of aconite, every two hours, prepared by putting three drops of tincture
in half a glass of water and then give a teain half a glass of w.
spoonful at a dose.

## Oriminology

The man who can spend his life among criminals, studying their mental, moral, physical and psychological traits and con-
ditions in order that he may benefit man--kind by his discoveries and conclusions must be a hero and a philanthropist
Arthur McDonald seems to be such a man And he has given the world the best book on criminology that ever issued from the press. Its 414 pages are as fulror inn a banana skin is of nutriment.
In the first part of the work he gives a
fine resume of what other investigators fine resume of what other investigators
have found and promulgated. In thesecond have found and promulgated. In the second institutions. In this part he endeavors to present the different phases of criminality from the psychological standpoint, in place of the physical. From the latter point of
view most writers conduct their investigaview most writers conduct their investiga-
tions.
And in part three he gives a voluminous And in part three he gives a voluminous
bibliography of the subject. To one less bibliography of the subject. To one less
familiar with the subject, it would seem that he had collated every page ever The introduction to the work is written by Prof. Lombroso, of the University of
Turin, one of the ablest criminologists in the world, so the book has a most excellent godfather. Funk \& Wagnalls, New York, are the publishers, and have committed no crime agai

The best of all ways
To lengthen our days,
Is to use Plerce's Purgative Pellets, Sir! For nine-tenths of the diseases of the ging up of the sluice-ways, through which
the impurities of the blood escape the impurities of the blood escape, so that purgative Pellets act gently but thoroughly upon the stive known. Without racking and straining the organs, they open the bowels and restore a natural, healthy digestion. iousness, piles, or any of the resulting dis eases.

We Sell Live Stook,
Our cash sales for 1890 were $81,904,199.38$, total business exceeded two and one-half million dollars. Established since 188 . Market reports free and consigments Kansas City Stook Yards.

## THE TIMES EXOURSION.

 Special correspondence Kansas Farmer.A few days ago the manager of Kinsas Farmer received a very courteous invita-
tion to participate in the tion to participate in the great excursion of
the Kansas City Times through Kansas, the Cherokee Strip, Oklahoma and Texas via the Rock Island, Santa Fe and M., K. \& T. railways. The business manager put the
nvitation in his pooket and started early, but took the wrong train and was landed somewhere away up in Nebraska, so the Medicine man of the editorial staff caught
the flyer as it went through Topeka and the flyer as it went through Topeka and
sped away to the sunny South in company with about one hundred of the most brainy and energetic business and professional men
in the Missouri valley. From Kansas City St. Joe, Atchison, Leavenworth, Lawrence and Topeka they had been gathered, from among bankers, merchants, ministers, lawyers, medical men and the great cattle, grain, manufacturing and shipping industries. All day Tuesday the great train of
palace cars sped over the wild prairies of the Cherokee Strip, through the Cheyenne and Arapahoe lands, past Kingflsher, Ft. Reno, across the Red river and down to instead of sunshine and flowers, the grea excursion plunged along all day and night through the heaviest snowstorm seen in
that region in ten years. At Gainsville that region in ten years. At Gainsvile,
the great white blanket of winter lay eight the great white blanket of winter lay eight
inches deep at sunrise on Wednesday. But inside the train all was bonhomie and good man was a Bel esprit. Hon. Thomas $T$ Crittenden, the best. Governor Missouri ever had, the typical and ideal Kentucky gentleman, a real prince of good fellows, was there, and on his right and left were the Rev. Dr. Armstrong and Rev. Dr. Tigert, two great-hearted and large-brained
Methodist ministers, suaviter in modo, fortiter in re, whose eloquent ton us all in a white heat of delight.
Homeward bound, via the Santa Fe, we Visited Ardmore, Purcell, Oklahoma City,
Guthrie, Arkansas City, Winfleld, Wichit Guthrie, Arkansas City, Winfleld, Wichita
and Newton, stopping from one to sixteen hours at each. At Guthrie we took part in the great "Strip" convention, that was
called to help hurry up the necessary legiscalled to help hurry up the necessary legislate Strip, that lies along the southern border of Kansas. In that convention we of civilization, men of great energy and sharp as a jungleman's matchet. There we also met the determined cohorts of the
bullock barons, who threw every obstacle bullock barons, who threw every obstacie
possible to cunning and sharp tactics, in possible to cunning and sharp tactics, in
the way of the convention's purpose. For Che way of the convention's purpose.
two hours during the evening session of the convention, the battle of the Titans was on in all its force and fury. It was a struggle
in brains and lungs. When two herds of of brains and lungs. When two herds on
Texas cattle are turned into the same enclosure there is always a locking of the stoutest horns for the mastery and one side always wins. So it was in this convention.
But the "openers " won and passed a series But the "openers" won and passed a series
of strong resolutions urging Congress to open the Strip to settlement at the earliest possible moment. The eight or ten members of the Topeka contingent took an
active part in the battle and did credit to the capital city. The ablest and most eloquent speech of all was made by that scholarly Demosthenes of Missouri, Gov. Crittenden. Even the half-breeds paid
him the compliment of undivided attention him the compliment or undivided attention were adopted a goodly number of ringing and congratulatory speeches were made. Governor Seay, a rotund jolly old bachelor, invited the excursionists to enter and
possess the city and wound up by saying: "You are welcome to call on our wives and baughters." That, from an incer, brought down the house
bachelor, brought down the house.
Many Topeka men live in Guthrie,
Many Topeka men live in Guthrie, ex-State
Auditor McCabe, the modern Moses of the colored race, Bert W. Jones, the indefatigable and gentlemanly editor of the
futarie Daily News, J. S. Soule, rustling Guthrie Daily News, J. S. Soule, rustling editor of the Home, Field and Forum, E.L.
Hallock, City Superintendent of Schools, and Frank Prouty, editor of the Daily
Leader.
Mr. A. H. Moffat, General Passenger and Ticket Agent of the Rock Island, and Mr. A. P. Tanner and Mr. G. M. Sargent, of
the Santa Fe, went the rounds with the party and sat up nights and missed good
dinners whenever these self-sacrificing acts would contribute in the least to the pleasure of their guests, the great Times excursion. Among the celebrities on the train was
that all too modest and retiring genius, that all too modest and retiring genius,
E. W. Howe, of Atchison, author of the finest piece of fiction ever produced by an inest piece or iftion ever produced by an
American writer, " The Story of a Country American writer, "The story of a Country
Town," It is a great credit to Kansas to have such a soul dwell upon its sacred soil.
The Rock Island and Santa $F e$ put their The Rock Island and Santa Fe put their
best dining cars on the train and made it best dining cars on the train and made it
a veritable palace of pleasure to the excursionists. Sumptuous meals were served
throughout the entire journey. The train throughout the entire journey. The train The roaded beds steam in splendid condition, and no accident of any kind occurred to
mar our pleasure. At Ft. Reno we visited
the garrison, and Col. Wade, the com-
mandant, who is a worthy son of that mandant, who is a worthy son of that
worthy sire, whom all good men in his life. worthy sire, whom all "good men in hase," of
time fondly called "Old Ben Wade," Ohio, sent the post ambulances to the train and carried us to and from the fort.
At El Reno forty to fifty conveyances
Are in waiting to show us the mysteries were in waiting to show us the mysteries
of "town building," and at the Caddo Indian of "town building," and at the Caddo Indian school, nearby, we saw many dilute Indian boys and girls learning to speak English
and stop walking pigeon-toed. And when and stop walking pigeon-toed. And when and picked out a good old Methodist tune which nearly the whole crowd joined in singing, it brought to mind the old song Whld roved an Indian glirl, bright Alfarata,
Wherre sweeps the
Waters of the blue Junlatia
 Gay was the mountaln song of bright Alfarata,
Where sweeps the waters of the buee strong and true my arrows aro, in my painted Bold is my warrior good, the love of Alfarata.
Proud waves his snowy plume, along the Juniata, Bott and low he speaks to me, and then his war-cry
Rings hising olce in thunder loud from hetght to So sang the Indian girl, bright Alfarata,
Wherg Where sweeps the waters of the blue Juniata.
Fleeting years have borne away, the voice of still sweeps the river on, the blue Juntata.
But she had no arrows or painted quiver xcept in her dark eyes and shy demeanor
On the way home we passed the Chilocco ndian school, but did not stop.
In just one thing were we all disappointed, and that was in seeing wild In-
dians. It being ration time we had expected to see at Ft. Reno the tepees and ude faces of the wilder tribes of blanke
ndians. But having some occult forecast of our coming or of the approach of the veat storm they melted from morta when we arrived no mortal could be found who knew aught of t
destination, so that

Or noon looked down and saw not one But we fancied we heard an echo
wailing through the fleecy distance: Oh! why does the white man follow my path
Like the hound on the tiger's track?

## Like the flush on my mark cheek wak Does he covet the bow at my back?

And then this faint reverberation
the most exquisitely sensitive ears:
Does the luck of the squaw-man wak
Does he covet the lande at my back
At Wichita we were shown, among other sights of the city, several "wide-open"
saloons, where men (or beasts) were drink ing with no let or hindrance save their ability to pay.
At Newton, the guests on the train were
furnished a parlor, in the Santa Fe hotel, by that excellent railroader, A. P. Tanner, and the jolly local agent, Avery Turner, in parting. The Family Doctor called the meeting to order, and after the election of Mayor Cofran, of Topeka, chairman, after a flood-tide of congratulations by the eloquent members of the delegation, were "Tigert" forming the postscript
"Tigert" forming the postscrip
On Board the Kansas City Times Ex-
OURion Trate, The Kansas City Times, with commendable enterprise and generosity, has afforded us
the unparalleled opportunity of visiting the the unparalleled opportunity of visiting the far-famed Indian Territory and seeing its amprelous developments, its unequalled ex-
ample of town building and converting wild
territory into a modern paradise and of territory into a modern paradise and of tinguished citizens; therefore be it Resolved, That the members of this excur-
sion tender to Witten McDonald, President sion the stockholders and staff of the Times company
thanks.
thanks. Resolved, That we commend to all iiberty-
loving citizens of this great country, of
which we are all so proud, the men who have exhibited such philanthrophy and pubnc spirit in the organization and execu-
tion of this seate homes for
American citizens in this garden spot of the republic.
Resolved, That we tender to the citizens of
places visited our grateful thanks for the places visited our grateful thanks for the
courtesies extended to us on this memorable courtesi.
Resolve
Resolved, That we cordially acknowledge the generous and unremitting attention
shown the members of this excursion by
the officers of the Rock Island Santa Fe shown the members of Island, San
the officers of the Rock Is
and M., K. \& T. railway companies.
Mr. E. W. Howe, of the Atchison Globe offered the following, which was adopted as We unanimous sentiment of the party We believe that all legislation looking to
the opening of the Cherokee Strip should be hastened in the interest of civilization, and that this land, together with Oklahoma,
and the lands of the five nations, must, at and the lands of the five nations, must, a an early day, be adme believe that the early opening of the
Strip would be one of the greatest steps toward statehood in the Indian Territory and Oklahoma and that this country
inevitably come into statehood.
We also believe that this is the only pos sible remedy for abominations now existing in the five nations; therefore, be it Resolved, That the legislators of Missouri
and Kansas be requested to do all within their power as promptly as is consisten
with good legislation, toward the com
pletion of the work begun
the first Oklahoma lands.
Then the brilliant young surgeon of Kan sas City, Dr. Jabez Jackson, offered a resolution of thanks to Nat. D. Hutton, the Times' correspondent, who has recently traversed the whole territory and written
it up as never before, giving brave, true it up as never before, giving brave, true
men and thugs and outlaws alike their just deserts. These being adopted, "Home Sweet Home," was struck up and the train, Sweet Home," was struck up and the train,
"like a silent Carthusian," went its way through the silent night.

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GEO. G. STEKETEE,

## Che teterinarian.

| We cordially invite our readers to cohsult us Whenever they desire any information in regard to this department one of the interesting features of the KANBAB FARMER. GIve age, color and sex of animal, stating symptoms accurately, of how long standing, and what treatment, if any, has been re- sorted to. All repiles through this column are free. Bometimes partles write us requesting a reply by requests must be accompanted by a fee of one dollar. In order to recelfe a prompt reply, all letters our Veterinary Editor, DR. S. G. ORR, Manhattan |
| :---: |

WART.-We have a horse that had a wart.ch ago we blistered it, and since then it has grown larger. It is largest at the top.
Cambridge, Kas.
Answer.-Tie a strong cord around the base of the wart as close to the bottom as possible and let it slough off. If it does not seem close enough, apply a
little nitric acid to it once a day until little nitric acid to it once a day until
it is sufficiently burned down. Some warts are very difficult to cure.
Lame Stallion.-We have a valuable stallion that is lame in his left fore foot; we think it is gravel, but
cannot get it cured. On smooth, hard roads he does not limp much, but when he steps in sand or loose dirt it hurts him. He is a French Norman and weighs about 2,00
Leesburg, Kas.
Answer.-The only symptom you give points toward navicular disease; but, as that disease is rarely ever found in such heavy horses, we are unable to
give a definite opinion. Examine the give a definite opinion. Examine the
bottom of the foot carefully, especially bottom of the foot carefully, especially
about the frog, and if you find anything new write again and describe more
fully. In the meantime apply a warm fully. In the meantime apply a warm linseed meal poultice to the lame foot fly-blister around the foot for: an inch or two above the hoof
Lame Colt.-I have a colt, foaled last March, that, after a hard run, got run caused lameness in the right hind leg; both got well, and now it is lame in both forward ankles. The colt can walking it drops over on its toes. AnBucklin, Kas.
Answer.-The trouble is very likely not all in the ankle joint, but rather in the tendons on the back of the legs.
Weak or sore back-tendons will cause an animal to knuckle forward and stumble in the manner described. Apply a blister of cerate of cantharides to to the knee, once a month, and keep the colt's feet trimmed to proper shape, and, as it grows older, it will gradually

Sore Foot.-We have a cow that
has had sore feet for about three has had sore feet for about three
weeks. The outside heel of each fore weeks. The outside heel of each fore her feet, then put on pine tar. I afterand applied gunpowder and lard. What is the disease. and what is the treat-
ment? The KANSAS FARMER doesn't owe me anything, but as your answer will benefit many others, I thought
would state my case. W. W. would state my case
Spearville, Kas.
Spearville, Kas.
Answer.-Your
Answer.-Your cow's heels are either
bruised or cracked from running in a bruised or cracked from running in a
filthy yard, and very likely made worse by improper treatment. Apply warm the swelling is reduced, then wash them once a day with a solution of sul phate of copper, one drachm to the
pint of water. We are glad to learn pint of water. We are glad to learn owe you anything. Its aim is to keep out of debt, and those who read it care-
fully never fail to get full payment every issue; and even those who canno read may receive some benefit from
looking at the pictures. looking at the pictures.
STIFF Neck-Question.-(1) I have
a horse that cannot get his head to the ground to eat or drink, but is all right when the feed is placed about three 16 yearsold. ${ }^{\text {His }}$ (2) Please give direction how to drenel a horse. Can one man dog atone?
an one man
M .

 40 the muscles of the neck at some the muscles of the neck at some
time. It would be impossible to give
an opinion without knowing more of the case. (2) Take a rope with a loop
about eight inches long on one end, slip it down through the nose-piece of the halter and put the loop in the horse's mouth. Now throw the other end of the rope over a beam and draw
the head up. This leaves the lower jaw free and the horse can get his mouth open. Now pour in the medicine, a little at a time, from a longnecked bottle or a drenching-horn. Do nor pinch or pound the wind-pipe to make the horse swallow. Such things only increase the danger of choking. If the horse strangles let his head down at once. One man can drench
alone sometimes, but two can do it alone somet
more easily.
LAME MARE-WORMS.-(1) Will you mare? She was kicked or hurt some way on the inside of the hock joint about one month ago. The cut discharged a yellowish, watery matter for
about two weeks, and then healed over; but it is badly swollen yet, with considerable fever. She is still quite lame, and, when she steps, just as she lifts her foot from the ground the fetlock joint snaps. (2) Give a remedy for rid-
ding horses of the long, large worms ding horses of the long, large worm
that infest the bowels.
E. C. S. rotection, Kas.
Answer.-(1) Blister the swollen hock very three or four weeks with cerate of can tharides until the lameness is relieved. (2) Give the following dose dered sulphate of iron, one drachm; tartar emetic, one drachm; powdered licorice root, one drachm; mix. At
the end of the week give one pint of raw linseed oil and one ounce of tur pentine as a drench. Repeat the entire reatment in three weeks.
Mange.-My pigs, 8 months old, took to coughing about two months ago, and about one month ago some of them began to lose their hair, and
later the skin began to dry up in spots and is going to rot off. When they are not too sore they rub like mad. They the time except in October they were
shut up. Their feed has been all corn except what they picked up. They sleep in a dry place where there is
some dust. What is the matter, and what shall I do?
Warwick, Kas
Answer.-As none of your pigs have died. it is our opinion that the cough ing was only due to the dust inhaled in their sleeping quarters. The other
symptoms given indicate mange-a parasitic disease. Mix equal parts of salt, sulphur and wood ashes together and keep in troughs where they can
get it; move the pigs to clean sleeping quarters and then burn all the litter in the old place. Now catch each pig separately and rub it all over with soft
soap and let it go. In half an hour catch each pig again and wash the soap off with warm water; wipe dry
and rub into the skin a mixture made in the proportion of one pint of turpen tine, two pounds sulphur and four
pounds of lard. This should be washed off with soap and warm water in about a week and another application made. It generally takes about three applications to effect a cure. All posts and
fences, where the animals have been rences, where the animals have been
rubbing, should be thickly white washed with yellow lime.
Lame
Stallion.-I have a four-
stallion that, when $I$ was working him bare-footed about thre weeks ago, slipped and fell and the load pushed him about ten feet down hill. him for a few days after. About two weeks ago I took him out to hitch him ver, and seemed to be crippled al He could not walk straight, but would move his hind parts off to the right. leg is somewhat stiff, and he wabbles a little in moving. The fore foot is n better. He puts his feet flat on the
ground. Can you locate the trouble and ground. Can you locate the trouble and
tell me what to do, through the KANSAS FARMER?

## oly Cross, Kas

Answer.-We are unable to form definite opinion from the symptoms that it is partial are inclined to think jury received in the fall. Examine more closely and see if the horse doe not handle his feet and legs in a hesi tating manner, showing lack of contro
rather than stiffness. Give the horse night and morning a dose composed of
powdered nux vomica and powdered powdered nux vomica and powdered
nitrate of potash, of each 1 drachm. Make a liniment as follows: Olive oil, origanum oil, aqua ammonia, turpenine, and spirits of camphor, of each ounces. Shake well and rub in with along the spine. Also rub it into any of the joints of the legs that may seem need it. Rub it in twice a day until the skin gets sore, then stop a few
days. Turn him loose in a box-stall. days. Turn him loose in a box-stall.
If anything new develops write again.

It is probably not the coldest weather you ever saw in your life; but that is how you feel just now, because past sufferings are the enriching, invigorating influence of Ayer's Sarsaparilla-theSuperior Medicine

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ruffering were taken anaits poor. What corn hogs
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Chicago. January 23, 1883.


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cluded which is of interest to women. The Serlals for 1893 will be written by Walter HERRIOK will farnish a practical series, entitled "At the Tollet." "is baor King, Olive Thorne
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THE STRAY LIST. FOR WEEK ENDING JANUARY 11, 1893 Wichita county-H. T. Trovillo, clerk.



 STRER-Taken up by A. W. Worro, in Zeandale to






 Montgomery county-G.H.Evans, Jr., clerk.
FLIUY-Taken up by J. H. Burton, ti, Caney tp.,

 Cherokee county - P. M. Humphrey, clerk. MARE-Taken up by D. S. Cbubb in Lyon tp.
 FOR WEEK ENDING JANUARY 18,1893. Woodson county -H. H. McCormick, clerk.

 PDerbitlt lett ear.
Harper county-William Duffy, clerk.


 Pottawatomie county-T. J. Ryan, clerk.

 Lyon county-C. W. Wilhite, clerk





 MARE-Taken up by i. . B. Hoffman, in South MAAV-By ame, one gray mare, valued at sio.

Ottawa county-J. S. Richards, clerk 8TBER-Taken up by Wm. Hake. In Center tp.
 OLAF - By anme. one red and white heifer calt
about 6 months old; valued at 85 .

Smith county-J. W. Holmes, clerk.
 FOR WEEK ENDING JANUARY 25, 1893.

Sumner county-Wm. H. Carnes, clerk. PoNY-Taken up by Samuel Garlits, in Buffalo
 Anderson vaed at z20.
$\underset{\text { ATEERB-TAKan }}{\text { And }}$ J. T. Studebaker, clerk.


Labette county-D. H. Martin, clerk. BTMER-Taken up by L. A. Chamberlin, In Hack-


CoLT-Taken up py Willam Hallitan in Washbrown mate eoit, medium size, no marks or brande;
valuea at 220 .
McPherson county-O.E. Hawkinson, clerk


sture -Taken up by w. w. Hall, in Mill Cre


15 F MEEs AMD HEAD MOIIE8 cURED



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