

THE KANSAS FARMER

ESTABLISHED 1863.

TOPEKA, KANSAS, AUGUST 31, 1881.

VOL. XIX, NO. 35.

THE KANSAS FARMER.

The Kansas Farmer Company, Proprietors.
Topeka, Kansas.

Communications.

Storms and Cyclones.

EDITOR KANSAS FARMER:—While we shall not enter into a special discussion of the causes of cyclones, we will endeavor to give a statement of the events which occur during, and the conditions which may be said to be the causes of all storms.

When a cloud is produced by the condensation of vapor, the solar heat is excluded from the portion of the earth's surface upon which its shadow falls. If the cloud is dense and sufficiently large to produce a shadow having an area of several miles square, the portions of the earth's surface over which the shadow moves will become cooled; the stratum of air lying between the earth and the cloud will also become cooled and will contract; consequently the air will tend to move from all directions into the region underlying the cloud. The air lying between the base of the cloud and the earth may very appropriately be considered as one stratum of the atmosphere, while that in which the cloud moves may be considered as another. The surface stratum forms the surface current, and the air in the cloud stratum another current. This is the case, however, only when a storm is actually taking place. At other times there are frequently three distinct currents visible; the several currents being indicated by the movements of different formations of clouds—the lowest clouds (cumuli) moving with the surface current, the intermediate clouds (stratus) moving with an intermediate current or stratum of air, and the highest clouds (cirrus) moving in a higher current or stratum of air. When a storm cloud is produced, all the formations of clouds—cumulus, stratus and cirrus—are merged together so that the cloud is an entire mass from top to bottom. The surface current in consequence of its contraction falls below the level of the cumuli, which now form the base of the storm cloud, while the stratus and cirrus currents move in one direction and form one current, which now occupies the entire cloud region of the atmosphere.

The upper and surface currents play different parts in the production of storms. The upper currents (combined cirrus and stratus currents, which now form the cloud stratum of the atmosphere) move the cloud in a straight line, and furnish a large amount of the vapor supply, while the surface current (stratum of air lying below the storm cloud) moves in such a manner as to produce the greatest amount of precipitation.

Most of our summer storms, at least, occur during the time of change from a southeast to a northwest wind. These currents, i. e., the southeast and northwest winds, are opposing each other. They must therefore be separated by a volume of air which moves in a different direction from either of them. This intermediate volume of air is sometimes of considerable width, separating the two opposing currents to a great distance from each other, while its longitudinal diameter frequently extends from the Rocky Mountains to the Appalachian range. This intermediate volume of air we designate a storm belt. The belt receives a warm and moist surface current from the southeast, and is pressed upon by a cold surface current from the northwest. This cold surface current has just the opposite effect to that which might at first appear. A gas under pressure emits heat. The intermediate volume of air, or storm belt, is being pressed upon above by the upper strata of the atmosphere, and laterally by the opposing currents. The compression of the belt is no doubt one cause of the excessive heat previous to the occurrence of our storms. This heating of the surface stratum of the atmosphere causes its vapors to expand, become lighter, and therefore to rise up into the cloud region, where they are condensed and from which they are precipitated in the form of rain.

The intermediate volume of air (storm belt) probably expands somewhat in an upward direction, in consequence of its heated condition; but we believe not so much, so as is usually supposed by those theorists who consider the origin of storms to consist in the rising of the air over the region where the storm occurs, in consequence of the heating of the stratum of the atmosphere lying next to the earth. Sev-

eral atoms of the gases of which the air is composed adhere to form molecules or larger atoms. The air is a bad conductor of heat; therefore when a molecule becomes heated it does not readily communicate its heat to surrounding molecules but expands—i. e., becomes rarefied—and therefore rises. This is the way that the air rises when it becomes heated at the earth's surface—molecule by molecule. This manner of rising is called convection. Of course, colder and heavier molecules will fall from above. Now when the surface current or stratum becomes excessively heated, it will part with molecules of air which will rise into the current next above it; therefore its upward expansion will not be so great as it otherwise would. The same remarks are applicable to the upper currents. Each current will therefore maintain something of a uniform depth and elevation in the atmosphere. And now while the upward expansion of the storm belt, or volume of air in which storms are generated, is but slight, in the region where a storm is actually taking place, the opposite (contraction) not only perpendicularly but also laterally, will be the case; and this contraction will tend to produce a movement of the surface stratum in toward the storm, as before stated.

The above is a brief statement of the influences which enter to a greater or less extent into the production of all our storms. Every season has, however, its own particular meteorological type, or rather types, each of which occurs at stated periods, alternating with the other types peculiar to the season.

On the 2d of October last occurred the heaviest rain of the season. For about half or three-quarters of an hour during the descent of the rain the wind blew strongly from the northeast. What was the cause of this phenomenon? The barometer indicates the perpendicular pressure of the atmosphere. Did not the direction of the wind during this rain storm as certainly indicate the lateral pressure of the atmosphere? And not merely the temporary pressure, but a pressure that was more or less permanent? This northeast wind continued to occur during the autumn and winter, until finally it became the most striking characteristic of those storms which occurred during similar atmospheric conditions to those which caused the storm of October 2d. These storms were very extensive, and were accompanied by heavy winds which caused great destruction of the shipping along the eastern coast of the United States and the western coast of Europe.

On the 15th of November occurred an event of equal interest. We quote the following from our statement of the meteorology of November, 1880, published in the Topeka Capital of December 24, 1880: "The most interesting event of the month occurred on the 15th. On the 14th the thermometer ranged from 22° to 32° Fahrenheit, being at the latter point at 8 a. m. on the 15th, but had risen to 52° by 2 p. m. About this time dark masses of clouds began to condense along the north, and before 4 p. m. rain was falling in a gentle shower. The showers passed from northwest to southeast. As the surface, as well as the upper currents, was moving from the same direction, and had been there from a cold quarter, and had been for two days, why the rise of temperature? The advent of a cold northeast surface current on the 16th, the thermometer dropping down to 18° Fahrenheit, and the fall of snow, gave the solution. The northwest surface current of the 15th moved slowly, constituting merely a gentle breeze. The cold northeast pressing in upon it was causing condensation and the consequent evolution of latent heat, which produced the rise of temperature here. The volume of air overlying this region was thus converted into a warm wave, whose vapors rapidly rose into the upper regions, from which they were precipitated in the form of rain. Upon the arrival of the cold condensing current from the northeast on the 16th, rain was replaced by snow."

We believe that it is compression rather than condensation which causes the rise of temperature in such cases; a volume of air is being compressed by opposing currents.

Warm waves continued to occur during the winter, under somewhat modified conditions, however; and they have formed quite a prominent feature of the meteorology of the past spring. Three periods characterized by these warm waves have occurred; April, May and June each having one of these periods. During the April period the vapor supply was too limited to produce even local showers. The May period was immediately preceded by copious rains. Although the upper currents rather tended to produce a deficient than abun-

dant supply of vapor, nevertheless there was sufficient vapor in the atmosphere to produce equilibrium. There was, however, quite a tendency to the production of wind; storms taking their origin to the westward became dispersed with the evolution of wind on arriving at this point.

Preceding the June period, the weather was somewhat dry. Prof. Lovell, in the Kansas City Review, states the rainfall from May 20th to 31st to be .85 inch, and from June 1st to 10th to be 2.12 inches. The professor does not state whether this was the rainfall at Topeka, or whether these figures show the average rainfall of the entire state, or a considerable area of the state. The rainfall of the first period is somewhat below the rainfall in this locality, while that of the second period far exceeds it. The average of the first period for the two localities (supposing the Professor's statement to be the rainfall at Topeka) is about 1 inch, and that of the second is about 1.6 inches. The average rainfall of the 20 days preceding the occurrence of cyclones would therefore be about 2 inches. The upper currents during the first ten days of June were predominantly from the northwest, instituting a drainage upon the vapors of this region. The cyclones occurred during a short period of southwest upper currents of about three days duration. Although these southwest uppers would tend to increase the vapor supply, still we believe that the atmosphere was very moderately charged with vapor; and therefore the storms were local and the precipitation in many localities light. The following is the precipitation in this locality during the entire period:

June 9th.....	.12 in.
" 10th, too small to be measured.....
" 11th.....	.25 in.
" 12th.....	.25 in.
Total.....	.62 in.

The storm of the evening of the 10th was remarkable for the electrical display and absence of precipitation in this locality.

It is our opinion that the cyclones occurred during the passage of what we have designated a storm belt, which was produced in the usual way, i. e., by the pressure of opposing northwesterly and southeasterly surface currents upon an intermediate volume of air. To this pressure was added the lateral pressure from the northeast above mentioned. The belt was thus converted into an extremely hot surface wave. The storm cloud which generated the cyclone in this county on June 12th was comparatively of small dimensions, being not over thirty miles in length and less in width. The air underlying this cloud became suddenly cooled, causing a determination of the surface stratum of air toward the storm cloud from every direction. Considering all the circumstances, is there any wonder that such destructive "twisters" should be produced?

The above was mainly written immediately after the occurrence of the June cyclones. Since then two similar periods have occurred, one in July, the other in August. It is our intention to give these periods especial mention in the future. WM. HASLAM, M. D.
Osage City, Kas.

Different Families of Cattle.

EDITOR KANSAS FARMER:—Perhaps some of the readers of the FARMER have been puzzled at some of the terms used in speaking of Short-horns, so I shall attempt to explain several to them, and shall commence on the families, as cattle are grouped in families the same as the human race. Cattle take their names from their mothers (dams) instead of their fathers (or sires). As families we have the Flora's, Zelia's, Rose of Sharon's, Young Mary's, etc., which means that they trace back to cows that were imported on their dam's side by the name of Flora, Zelia, Rose of Sharon, Young Mary, etc. Then we have what is called "plain bred," "well bred" and a "richly bred" Flora, Zelia, etc., showing how they have been bred. And again we have what we call a Rose of Sharon, a straight Rose of Sharon, and a pure Rose of Sharon, meaning an animal that traces to Imp. Rose of Sharon on its dam's side; straight Rose of Sharon means that it traces to the old Rose of Sharon cow on its dam's and also on its sire's side; a pure Rose of Sharon means that it has never had a cross except a Rose of Sharon or an animal with as good or better pedigree than the old Rose of Sharon cow had. So it is with other families. We also have Airdrie Duchesses, Bell Duchesses and Kirklevington Duchesses. The Kirklevington Duchesses were raised by Thomas Bates at his farm called Kirklevington. Bell Duchesses were raised or bred by tenants of Mr. Bates, to whom he gave some Short-horns

to raise on the shares. We also have what is called Bates cattle, Booth cattle, taking their name from Mr. Bates, Booth, etc., who were noted breeders of Short-horns. Mr. Booth bred for beef, and a peculiar fancy with him was that the animal must have chalky white horns—and some men to-day seem to think that a Short-horn is not pure if the tips of the horns are not white, which is a wrong opinion. Mr. Bates, being a rich old bachelor, must have a good animal, quite stylish, and good at the pail, (and he made lots of butter) and he slaughtered every animal that did not come tully up to his standard, which was very high. He was quite a talkative old man, and took great pride in his cattle, and thought himself the best breeder of Short-horns in England. He bred Short-horns for forty years.

I see it stated in the columns of the FARMER that a bull is half the herd. Does he not represent half of each breeding animal in the herd? It seems to me that he does.

The scarcity of feed this year demands plenty of shelter for stock. See that your stock are as comfortable as circumstances will permit.
Carbondale, Kas. M. WALTMEIRE.

Wants Some Coal Gas Tar.

EDITOR KANSAS FARMER:—Several of your subscribers heretofore want some "Coal Gas Tar." Can you inform us, through the columns of your interesting paper, of the address of sellers of the same, either in Topeka or points nearer our railroad towns, Spearville and Dodge City, and oblige
S. EVANS AND OTHERS.
Purdyville, Hodgman Co., Kas.

Matters in Anderson County.

EDITOR KANSAS FARMER:—A good rain came on the night of August 19th and another on the 20th. But these rains were too late to make a good corn crop. The corn that was put into the ground early amounted to something; the late corn is a total failure.

We have had the most intense hot weather that I believe the people of Kansas ever saw; the mercury has stood up in the nineties for a long time. Tuesday, the 16th was the hottest day of the season, with the mercury at 112° in the shade. That looked more like sunny Kansas than it did last winter.

Peaches are beginning to ripen slowly. The intense heat and dry weather is drying them up quite fast.

Grapes have been in market for sometime. They are not a very good quality—cause, too dry and hot. They are selling at 3 to 4 cents per pound.

There is not a very large quantity of apples this year, although some orchards are quite full. They are 80 cents per bushel now.

Corn, and everything in the feed line will be way up above all expectations this winter and coming spring. Corn is now worth 75c per bushel, wheat \$1.00, hay \$2.50 per ton, hogs 5.25 to \$5.25 per cwt., with but few in the market.

There has been an immense amount of hay made in this county, more I think than in any previous year, and it is all of the best quality too. I believe, as one of your correspondents has said, that it should be put up in June or July.

We are to have an agricultural fair this year. It will commence the 4th of October.

Wheat is turning out very poorly everywhere. Farmers are somewhat discouraged at raising wheat on account of the chinch bugs. They are in the corn now by the millions. Some stalks are loaded down with them, even to the very tops.

Live stock is all in good health now, and are doing well, considering the dry weather. People seem to be going crazy over cattle when feed is so high. There will be several big sales of cattle this week.

There were 1,500 head of sheep driven into this county to feed the coming winter.

Wishing the FARMER much success and prosperity, I remain
FARMER BOY.
Garnett, Kas., Aug. 22.

An Elk County Man's Views.

EDITOR KANSAS FARMER:—This has been a bad crop season for this part of the state. Cold and backward in the spring; heavy rains before much corn was plowed making it too wet for some time to plow; this gave the weeds and crab grass a start that injured the corn, and in fact every kind of crop raised. This crab grass is a great pest, the worst

thing we have to contend with that grows in the field. Then it was dry and the ground baked after the heavy rains causing the corn to be uneven and to shoot poorly. The rains of the last week will help things, but the corn is not over a half crop.

No wheat in this locality. Flax is looking well, and some that is harvested will make a good yield.

The web worm has destroyed a large amount of late potatoes, and the peaches are very wormy. Apples good.

Health of stock better than common. Cattle in fine condition. Hogs, sheep, horses, mules, and in fact all kinds of stock in extra fine condition.

Millet is about all the thing we can sow or plant to compete with the crab grass; both together make an excellent crop of hay, or either of them will do so.

I think some of your correspondents are a little unreasonable. For instance, they condemn monopolies of every kind in unmeasured terms and belabor the farmers because they don't unite and form something; trades unions, Granges, anything, so they all unite and run together. If this kind of a combination was possible, it would be the greatest monopoly the world ever saw. But I do not believe it possible, and in my opinion not desirable. I have been a farmer all my life, and from my experience the farmers are, as a class, as unreasonable as any other class. Did you ever know a farmer to charge a brother farmer seventy-five cents a bushel for wheat more than it was worth in the market?

Did you ever see a farmer get a dollar a bushel for wheat that didn't want ten cents more?

As a rule those who talk so much about monopolies are the worst of any, and work the hardest to get inside of some ring. Of course those overgrown combinations like the railroads ought to be watched and governed by law; but too much law is not a good thing in a free country. The laborer of to-day is the capitalist of to-morrow, and vice versa, and each in turn are denouncing the other.

Farmers are useful, but if there were none but farmers, what would farming be worth. As a farmer I ask no advantages of any other class. A clear field and a fair fight is all I want.
C.

Moline, Kas., Aug. 27.

To Stock-Breeders.

The following from Messrs. C. & P. Jansen, sheep breeders, of Fairbury, Nebraska, shows the value of the KANSAS FARMER as an advertising medium for stock-breeders:

FAIRBURY, NEB., Aug. 22d, 1881.
KANSAS FARMER CO.:—Your paper is the best advertising medium for stock we have ever yet tried.
Yours truly,
C. & P. JANSEN.

What Shall He Do?

EDITOR KANSAS FARMER:—I desire some information in regard to my cows. I have seventeen cows that have calves; most of them dropped in April, and but three of them have come in heat. I have an extra, thoroughbred bull, and he is doing nothing, in a manner. Some of my neighbors complain of the same trouble. Can some of the readers of the FARMER give me any cause or remedy? If so, it would be a great favor. The FARMER is a welcome visitor.
J. T. WIJERMAN.
Richmond, Franklin Co., Kas.

From Allen County.

EDITOR KANSAS FARMER:—It may be interesting to your many readers to know that we are very dry down here in Allen county; cause: Prohibition and want of rain. The former we can dispense with and the latter we are obliged to, at least we are getting quite accustomed to do so. Wheat was not one third crop; cause: too much bugs. Corn about one half crop, drouth and bugs got in a good seasons work. Late potatoes, buckwheat etc., are failures. Sorghum good; syrup first quality. Hay better than for three years, and large amounts put up. But little wheat will be sown.
D. D. SPICER.

GENEVA, Kas., Aug. 29.

The army of workmen who are engaged at Bismarck Grove making ready for the fair are making rapid progress and everything goes to show that the grounds and buildings will be in perfect order by the opening day, September 5th.

Grange and Alliance.

NATIONAL GRANGE.—Master: J. J. Woodman, of Michigan; Secretary: Wm. M. Ireland, Washington, D. C.; Treasurer: F. M. McDowell, Wayne, N. Y.

OFFICERS OF KANSAS STATE ALLIANCE. President—W. S. Curry, Topeka. 1st Vice President—M. G. Gill, Emporia, Lyon Co.

We solicit from Patrons, communications regarding the Order, Notices of New Elections, Feasts, Installations and a description of all subjects of general or special interest to Patrons.

From State Master Sims.

EDITOR KANSAS FARMER:—As the time for holding our State Fair, at this city approaches, interest in our Grange Department and Patrons Reunion increases.

Our reunion will continue during the fair, (Sept. 12th to 17th) but for the information of those who cannot spend the week with us, I will say, that worthy Master Woodman and worthy Lecturer Eshbaugh, of the National Grange and Brother Needham, W. Lecturer of the Mo. State Grange will be with us on the 14th, 15th and 16th.

Dangers in American Politics.

The Rev. Henry Ward Beecher said, recently in the course of a sermon concerning the dangers of American politics, as follows: The report is taken from the New York Tribune:

There seems to be a sentiment that great men are set above the ordinary canons of morality. The two great dangers in national life are a people corrupted and corrupt rulers.

The men who are made great by position should be more scrupulous in conduct than any other class. Constables, sheriffs, judges, members of legislatures, governors, counsellors, Presidents, and members of Cabinets—the country demands of all these that they shall be superior in all respects to those they have left behind.

Not only the social amenities and the lessons of high morals are taught in the grange, together with the habit of fostering aspirations beyond the monotonous present, but intellectual truths of the first importance and magnitude are disseminated through its agency.

There is too much indifference to the real authority of morals, to distinction between right and wrong. Party expediency is all that is looked to. There are many men in public life whose word I would not regard, and yet at home I would not doubt them.

They are in public life like New York Aldermen—they are "on the make." They say, why should I not make all I can? They don't know any better. If any man is unlike themselves they say he has some deep laid plan.

Those interested in sheep will be enabled to see a fine display at the Western National Fair at Bismarck Grove, which commences September 5th and continues until the 10th.

Grange Education.

As an educational force, the grange has been an abundant success. This feature stands well to the front among the great benefits to be derived from our organization.

The grange and its teachings have awakened many dormant faculties that have previously existed and for the want of an opportunity to bring them out were entirely useless.

The trotting, pacing and running races, which will come off during the week of the Western National Fair at Bismarck, are creating an excitement among horse men.

What the Grange Does.

Not only the social amenities and the lessons of high morals are taught in the grange, together with the habit of fostering aspirations beyond the monotonous present, but intellectual truths of the first importance and magnitude are disseminated through its agency.

This is not by any means an imaginary picture. Those who have been in the grange since its formation and establishment will readily testify to the truth of more than we have stated. They will freely admit that the Grange is an educator and a thorough one; that it effectually stops the waste from which the agricultural character so long suffered, and tutors it in the art of saving and satisfying resources on which men in other avocations, when they happen to possess them; make constant drafts for the successful conduct of their lives, and the enjoyment of their mature age.

The Western National Fair Association offer \$25,000 in premiums. This is the largest amount of money offered by any association in the west.

Bartholomew & Co. are selling fine Thoroughbred Rams at eastern prices at "CAPITAL VIEW SHEEP FARM," Topeka, Kas.

Advertisements.

Our readers, in replying to advertisements in the Farmer, will do us a favor if they will state in their letters to advertisers that they saw the advertisement in the Kansas Farmer.

WARNER'S SAFE. A THOROUGH BLOOD PURIFIER. A TONIC APPETIZER. PURELY VEGETABLE. A MEDICINE NOT A DRINK.

Mothers, Wives, Daughters, Sons, Fathers, Ministers, Teachers, Business Men, Farmers, Mechanics, ALL should be warned against using and introducing into their HOMES Nostrums and Alcoholic Remedies.

A Thorough Blood Purifier. A Tonic Appetizer. Pleasant to the taste, invigorating to the body.

For the Kidneys, Liver and Urinary Organs, use nothing but WARNER'S SAFE KIDNEY AND LIVER CURE. It stands UNRIVALLED.

Buy the Improved Howe Scales—acknowledged the best made. BORDEN, SELLECK & CO., General Agents, Chicago, Ill.

THE KANSAS FARMER, Weekly Capital, and American Young Folks, sent one year for \$2.50.

PIGS. POLAND CHINAS, Jersey Peds and York-shires, the Sweetestakers winners of Iowa.

SHEEP.

The Sheep advertised to arrive in Dodge City, August 1st, are now being held on Crooked Creek for sale.

CHEAPEST AND BEST IN THE MARKET. CARBOLIC SHEEP DIP. Kills Lice, Ticks and all Parasites that infest Sheep.

WALTER BROWN & CO., WOOL COMMISSION MERCHANTS, 152 Federal St., Boston, Mass.

W. C. HOUSTON Jr., & CO., Commission WOOL Merchants, 110 & 112 SOUTH FRONT, STREET, Philadelphia, Pa.

Go to Headquarters for Norman Horses. THE DRAFT-HORSE CENTER OF AMERICA.

100 or more first-class registered Vermont Merino Rams, selected from the best flocks in the state.

12th of October Next. EZRA MEECH, Winfield, Cowley Co., Kas.

STEEL WIRE FENCE. Is the only general purpose wire fence in use. Being a strong net-work WITHOUT BARS, it will turn dogs, pigs, sheep and poultry, as well as the most vicious stock.

100 Head of Normans arrived in August, 1881.—the finest lot of stallions ever imported in one lot to America. Come and see them.

Image of a horse. E. DILLON & CO., Importers and Breeders of NORMAN FRENCH HORSES. BLOOMINGTON, ILLINOIS.

600 to 1000 MERINO EWES WANTED. Running two, three and four. Must be free from disease and shear 6 pounds per head.

SEMPLE'S SCOTCH SHEEP DIP. Prepared from Tobacco and other vegetable extracts. War-ranted to cure Scab, destroy Ticks and all Parasites infest-ing sheep.

OSCAR BISCHOFF, Dealer in Hides & Tallow, Furs and Wool.

Wanted. To rent a flock of Ewes. Have had experience in the business in this state and California, where we had control of 75,000.

1650 Sheep for Sale. 1500 Grade Ewes, one to three years old, brought in from Colorado last year.

F. E. MARSH, GOLDEN BELT Poultry Yards, MANHATTAN, KAS.

MARSH'S CHICKEN CHOLERA CURE AND PREVENTIVE. A sure cure and preventive of cholera. Rotp, etc.

POLAND CHINA RECORD. A Record for the protection of breeders of POLAND-CHINA HOGS.

River Side Farm Herd. (Established in 1868.) THOROUGH-BRED POLAND-CHINA and BERKSHIRE Pigs and Hogs for sale.

Rams for Sale. 100 or more first-class registered Vermont Merino Rams, selected from the best flocks in the state.

WALTER BROWN & CO., WOOL COMMISSION MERCHANTS, 152 Federal St., Boston, Mass.

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WALTER BROWN & CO., WOOL COMMISSION MERCHANTS, 152 Federal St., Boston, Mass.

Brooders' Directory. WM PLUMMER, Oeage City, Kas., breeder of Poland China Swine. Young stock for sale at reasonable rates.

ROBT. C. THOMAS, Ellingham, Kas., breeder of Short Horn Cattle and Poland-China Swine.

F. T. FROWE, breeder of Thorough-bred Spanish E. Merino Sheep, (Hammond Stock). Bucks for sale.

ALL BROS., Ann Arbor, Mich., make a specialty of breeding the choicest strains of Poland-China Suffolk, Essex and Berkshire Pigs.

Notice to Farmers, and all who want to plant Evergreens, European Larch, etc. My stock is large, all sizes from 6 inches to 10 feet.

Kansas Home Nurseries. Offer for sale Home grown Fruit and Ornamental Trees, Vines, Shrubs, Plants, etc., of varieties suited to the West.

LaCygne Nursery. (One mile north of depot.) 8 million Hedge Plants. 100 thousand Apple and Peach Trees.

D. W. COZAD, LaCygne, Linn Co., Kas. SMALL FRUIT PLANTS. Raspberry and Blackberry, \$5.00 per 1000.

Scotch Collie Shepherd Pups. From noted stock. Ready for delivery now. Price, either sex, \$10.00.

1,300 SHEEP. Grade Merino and Mostly Ewes. Must be sold at once to close up my business.

Stock Ranch. A Bargain. Offer for a short time only, my double ranch, in the Solomon Valley, for summer and winter range.

JOHN J. CASS, Allison, Decatur Co., Kas. COLORADO Native Steers FOR SALE.

We will have for sale at HUCO, COLORADO, On line of Kansas Pacific Railway.

Between August 20th and 25th, 2,000 and 3,000 Head of Colorado Steers, Of all ages from Yearlings up.

These Steers have been selected from ten of the best herds of Native Cattle in the state, and will be sold in lots to suit purchasers.

COCHRANE & DOWLING, Hugo, Co SHEEP RANCH FOR SALE.

One of the most Complete Sheep Ranches in the state of Kansas, situated in Edwards county, seven miles from Garfield, on the A. T. & S. F. Railroad.

I will sell with the above property a full outfit of farm implement and working stock; about 20 head of Cows, Heifers and Calves; one pedigreed Durham Bull, about 1,500 Ewes, grade merinos, 250 yearling Wethers, 500 Lambs, 34 Hammond Bucks.

I will also sell with the above property, 500 acres of land on the Arkansas river, only 4 miles from the home ranch, occupying 5 miles of river front; producing fine hay; and the best of early pasture, with unlimited range through the hills.

JAMES HOLLINGSWORTH, 210 LaSalle St., Chicago, Ill. Or A. HOLLINGSWORTH, Garfield, Pawnee Co., Kas.

THE KANSAS FARMER.

The Kansas Farmer Company, Proprietors. Topeka, Kansas.

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One Copy, Weekly, for six months, 1.00
One Copy, Weekly, for three months, .50

The greatest care is used to prevent swindling humbugs securing space in these advertising columns. Advertisements of lotteries, whisky stills, and quick doctors are not received.

TO SUBSCRIBERS.

Subscribers should very carefully notice the label stamped upon the margin of their papers. All those marked 'N36' expire with the next issue.

Post Office Addresses.

When parties write to the FARMER on any subject whatever, they should give the county and post office both. Some of the new post offices are not put down in the post office directory, and when the county is not mentioned, the post office clerks do not know where to send papers or letters.

The Farmer at the Fairs.

At the Bismarck Fair next week and at the State Fair the week following, the KANSAS FARMER will be represented by its old time friend, Mr. W. W. Cone.

See in another column the communication from Hon. Wm. Sims, Master of the State Grange.

There are thirteen million cows in the United States. This is more than are kept by any nation of Europe, Germany having the highest, or 8,962,221.

The butter product of the United States for 1880 is estimated by the Department of Agriculture at 1,000,000,000 pounds, and the cheese product at 300,000,000.

The article in the FARMER of Aug. 17th on Raspberries, was through an oversight not credited to Purdy's Fruit Recorder from which excellent horticultural journal it was copied.

The clerk of every school district, whether they have had schools during the last school year or not, should report to the Supt. the number of pupils in his district, between the ages of 5 and 21.

Though it has been dry in Kansas, says the Atchison Patriot, and our crops are a partial failure, it must be remembered that it has been dryer in other states where crops have been more of a failure.

We acknowledge with thanks the receipt from the accomplished secretary, Phil. M. Springer, Esq., premium list of, and compliments to the 28th Annual Fair of the Sangamon Co. Agricultural Board, to be held at Springfield, Ills., Sept. 12 to 17 inclusive.

The Clifton Review says grasshoppers were flying southward, last Saturday. They came too late this year to get the credit of destroying the crops, and thereby creating a famine.

The Arkansas Valley, Democrat thinks one practical fact worth a dozen theories. Mr. Linton of Bolton, planted some rice corn on his hedge rows June 3d and, notwithstanding the extreme drought, it is green to-day and is bearing a full crop.

The Mississippi Grain Trade. The barge shipments of grain this season from St. Louis to New Orleans have been:—Wheat, 3,250,000 bushels; Corn, 6,500,000; Oats, 75,753; Rye, 21,223; a total of 9,848,710 bushels.

The Santa Fe road is preparing an exhibition of Kansas products for the Cotton Exposition to be held at Atlanta, Georgia, October 4th to December 1st, 1881.

Though it has been dry in Kansas and our crops are a partial failure, it must be remembered that it has been dryer in other states,

where crops have been more of a failure. Kansas has a surplus and she will get big money for it. After all our farmers may make more money this year than last.

The Abilene Democrat says: Mr. Edward Brunson, of this county, returned on Sunday evening from his trip to Ontario county, N. Y. We are informed that during his visit he purchased a flock of 750 thoroughbred sheep, which are now on their way to Junction City, and from whence they will be driven to Mr. Brunson's rancho.

It is not uncommon to meet men who think the Berkshires are not adapted for a general purpose or farm hog; that they are too small, or are not good feeders.

The President.

Since the last issue of the FARMER the President came so near to death's door that the consulting surgeons announced that he would undoubtedly die; that medical science had done all that could be done, and that it had not availed.

The Real Fact.

One of the ways that result in failure in sheep husbandry is that profit is far more likely to result in high condition and a quality of a minimum number than to a greater number and less thrifty condition.

Mix a little sulphur with salt and feed occasionally to sheep. It will effectually destroy sheep ticks. The same remedy applied to cattle troubled with lice will help rid them of vermin.

The Mississippi Grain Trade.

The barge shipments of grain this season from St. Louis to New Orleans have been:—Wheat, 3,250,000 bushels; Corn, 6,500,000; Oats, 75,753; Rye, 21,223; a total of 9,848,710 bushels.

as a leading export city. The difficulties attending the navigation of the Mississippi are not nearly so great as they were before the war, and with the improvement contemplated by the government, in a few years it will be comparatively safe from St. Louis to New Orleans.

A Neat One.

The following is a very neat and innocent looking swindle that has been worked successfully in Ohio and Indiana, and may be attempted in this state.

Advertisement for Patent Seedling Machines. Text: 'I sell my Patent Seedling Machines. I have sold them for thirty years...' Includes a small image of the machine.

The swindlers go to a well-to-do farmer and tell him he has been recommended as a good man to sell some seedling machines, and ask him to become their agent.

How It Is.

The managing editor of the Farmer's Review of Chicago has been on a tour in this state to learn of the actual condition of things, and writes to his paper this:—'The western third of Kansas has this year had a larger rainfall than the central and eastern parts of the state.'

Young Sows or Old for Breeding.

There is perhaps no single point connected with the rearing and management of swine of greater practical importance, and possibly none, a discussion of which would develop a greater diversity of opinion and practice, than the age to which sows should be retained for breeding purposes.

ed breed, like the Berkshires, and the intention is to continue the stock pure without special reference to modification of form or characteristics, it is safe and often best to retain them as breeders so long as they produce good-sized, healthy litters, and are careful mothers.

Pumps and Windmills.

Powell & Douglas, of Waukegan, Illinois, advertise in this issue of the FARMER, their celebrated pumps and windmills.

Thoroughbreds.

Deserving of special mention at this time are Bartholomew & Co's., Thoroughbred Merino Rams. They have in the neighborhood of 200, and we understand they intend to bring to the fair a large part of them for exhibition.

The Dodge City Globe says: Henry Kollar shipped 400 head of beef cattle during the last week. He had some very fine cattle in the lot for which he realized a good price.

Mr. Patterson Meant What He Said. I hereby certify that my boy was taken sick with typhoid fever, followed by congestion of the lungs.

Don't sign anything presented by a stranger; don't write your name for him; don't take an agency; don't advance money on any contract; don't change money for a stranger;

The secretary of the Western National Fair is constantly in receipt of letters from persons in Kansas, Nebraska, Missouri, Iowa, Illinois, and various other states, asking for space in the great exhibition.

The Italian bee was first imported into America in September, 1859, and ever since the importation and home breeding of queens has been constantly gaining, until at present the supply rather exceeds the demand, and importers are opening a new field by introducing other races of bees.

Hunters should be very careful how they use fire arms on the prairies. Candidates are unusually thick just now, and we can't see how any-body can shoot at all without hitting one.

A Lady Correspondent.

MR. EDITOR:—In a recent issue of your paper, 'Daisy B.' writes to know what to do when she has 'blues.'

A Cough, Cold, or Sore Throat

should be stopped. Neglect frequently results in an Incurable Lung Disease or Consumption. BROWN'S BRONCHIAL TROCHES are certain to give relief in Asthma, Bronchitis, Coughs, Catarrh, Consumption and Throat Diseases.

Rescued from Death.

William J. Coughlin, of Somerville, Mass., says: 'In the fall of 1876 I was taken with a violent bleeding of the lungs followed by a severe cough. In the summer of 1877 I was admitted to the City Hospital.'

A Good Newspaper.

The Weekly Inter-Ocean has become the great newspaper of the west, both in point of circulation and character. A most tempting offer from them will be found in our advertising columns.

Mothers! Mothers!! Mothers!!!

Are you disturbed at night and broken of your rest by a sick child suffering and crying with the excruciating pain of cutting teeth? If so, go at once and get a bottle of Mrs. WINSLOW'S SOOTHING SYRUP.

The Rural West,

published at Little River, Kansas, desires the name of every sorghum cane grower, and manufacturer, in Kansas. Send name on postal card or by letter.

See advertisement of P. O. Vickery for agents in another column. Mr. Vickery is Mayor of the City of Augusta, Maine, which is a sure guarantee that all will be fairly dealt with.

Wool Growers.

Ship your Wool to W. M. Price & Co., St. Louis, Mo. They do an exclusive commission business and receive more wool than any Commission House in St. Louis.

Enamel Blackboard.

The Marble Slated Enamel Blackboard has proven a perfect success. School Districts which are using it are more than pleased. There is no question as to its durability or economy.

Nearly all the Ills

that afflict mankind can be prevented and cured by keeping the stomach, liver and kidneys in perfect working order. There is no medicine known that will do this as quickly and surely, without interfering with your duties as Parker's Ginger Tonic. See advertisement.

RAMS.

Thoroughbred Merino Rams; one, two and three year olds for sale. Also high grade Merino Ewes, at 'CAPITAL VIEW SHEEP FARM.'

Markets.

WOOL MARKET. Boston.

The Boston Journal of Commerce says: Domestic wools have been more active, with sales about 600,000 pounds larger than our last. While

manufacturers are not yet buying freely, they seem to be about convinced that wool is about at its lowest point and may turn upward at any moment.

The movement of washed fleeces is about 230,000 less than in our last, with prices fully sustained.

Unwashed and unmerchantable also show just about double the business of the previous week.

Foreign wools in this market remain quiet but firm. The sales show a gain of about 25,000 pounds.

Chicago.

The Drovers' Journal says: A very quiet feeling has prevailed in the wool market during the past week.

Table with 2 columns: Item (e.g., Coarse or dingy tub, Good medium tub) and Price (e.g., 33 to 36, 37 to 42).

Markets by Telegraph, August 30.

Kansas City Produce Market.

The Commercial Indicator reports: WHEAT—Market higher; No. 1 1 3/4 bid; 1 3/8 asked.

Kansas City Live Stock Market.

The Commercial Indicator reports: CATTLE—Receipts, 3,116; shipments, 2,239; market steady and fairly active.

Chicago Live Stock Market.

The Drovers' Journal reports as follows: HOGS—Receipts, 18,600; shipments, 4,500; market dull and lower.

Chicago Produce Market.

FLOUR—Quiet and firm. WHEAT—Active, firm and higher; rather excited, unsettled and irregular.

New York Live Stock Market.

The The Drovers' Journal Bureau reports: BEEVES—Receipts, 8,800; dull and lower for grades choice cattle scarce and firm.

St. Louis Live Stock Market.

The Western Live-Stock Journal reports: HOGS—Receipts, 3,200; shipments, 2,000; market scarce and active.

TOPEKA MARKETS.

Produce. Grocers retail price list, corrected weekly by W. W. Manspeaker. Country produce quoted at buying

Table with 2 columns: Item (e.g., BUTTER—Per lb—Choice, CHEESE—Per lb) and Price (e.g., 22, 18).

Poultry and Game.

Corrected weekly by McKay Bros., 245 and 90 Kansas Avenue.

Butchers' Retail.

Table with 2 columns: Item (e.g., BEEF—Sirloin Steak per lb, Round) and Price (e.g., 12 1/2, 10).

Hides and Tallow.

Table with 2 columns: Item (e.g., HIDES—Green, Dry, Green, calf) and Price (e.g., .05, .04).

Grain.

Table with 2 columns: Item (e.g., WHEAT—Per bu, No. 2, Fall No. 3) and Price (e.g., 1.10, 1.05).

New Advertisements.

Our readers, in replying to advertisements in the Farmer, will do us a favor if they will state in their letters to advertisers that they saw the advertisement in the Kansas Farmer.

\$777 A YEAR and expenses to agents. Outfit Free. Address: P. O. VICKREY, Augusta, Maine.

Two Blooded Greyhound Pups For sale by W. J. MCCOOLM, Waveland, Shawnee Co., Kas.

FOR SALE. 500 Grade Ewes from 2 to 5 years old. Apply to JAS. J. DAVIS, Everett, Woodson Co., Kas.

PENNOCK'S PATENT ROAD MACHINE. BEATS THE RECORDS FOR THE BEST VALUE FOR THE MONEY.



For Sale. One of the best Stock, or Sheep Farms in S. E. Kansas of 730 acres.

Wanted. The undersigned wishes to learn the whereabouts of Miss Louisa Carolina Geiger who emigrated to America from Fellbach, Kingdom Wurtemberg.

1,000 Sheep for Sale. I have for sale 1,000 head of Grade stock Sheep. Free from disease. D. PRATT, Topeka, Kas.

SHEEP FOR SALE. 8,000 Ewes 1 to 4 years old. 3,000 Wethers 1 to 5 years old. 4,500 Lambs.

ON TRIAL! THREE MONTHS FOR 25 CTS. THE INTER OCEAN.

To enable new subscribers to thoroughly test the value of THE WEEKLY INTER OCEAN, the proprietors offer it 3 MONTHS, POSTAGE PAID, FOR 25 CENTS.

TRIBUNE & FARMER EVERY WEEK FOR 2 MONTHS ON TRIAL FREE.

A large weekly paper, absolutely free for TWO months, to any one who will send us their address.

For Sale. 850 sheep; 225 lambs, 300 yearlings, about half wethers and half ewes.

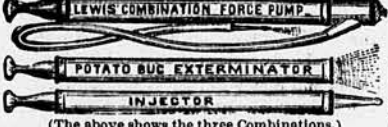
Our Knives are Made to Cut and Hold an Edge.

MAHER & CROSH, 34 Maumee Street, Toledo, Ohio.



Warrant every Knife of their brand to be H AND FORGED from Razor Steel and will replace free any blade proving soft or faulty.

Lewis's Combination Force Pump. Makes Three Machines. My agents are making \$5, \$10, \$15, \$20, \$25 & \$30 per day.



The Lewis Patent Spray Attachment. Don't Fail to Read this Splendid Offer.

I will send a sample Pump, express paid, to any express station in the United States or Canada for \$5.00; regular retail price \$8. Weight, 4 1/2 lbs.; length, 32 in.

P. C. LEWIS, CATSKILL, N. Y.

BIG MONEY MADE

BY AGENTS, FARMERS & OTHERS selling our STOVE PIPE SHELF. One agent cleared \$150 last week; another \$87 in 5 days; another \$86 in 1 day, and another \$56 in 5 hours.

Holstein Cattle

CLYDESDALE and HAMBLETONIAN HORSES. The largest and deepest milking herd of Holsteins in the World.

SMITHS & POWELL, Lakeside Stock Farm, Syracuse, N. Y.

EXTENSIVE SALE.

Pure Bred Short-Horn Cattle. The undersigned will sell at Peabody, Marion County, Kansas.

Tuesday Sept. 13, 1881, At 10 o'clock a. m.

Thirty-six head of Pure and Fashionably Bred Short Horn cattle mostly Cows and Heifers.

W. L. COCHRAN, Auctioneer, Peabody, Kas., Aug. 20, 1881.

HOW TO MAKE THE FARM PAY! FOUR SPLENDID STORIES All Complete, None Continued.

PHILADELPHIA Market Reports. Prof. THOS. MEEHAN, Agricultural Editor.

LADIES' DEPARTMENT AND YOUTH'S COLUMNS Most Complete and Decidedly the Best Ever Published.

Our Agricultural Matter is all original, and is considered the best to be found in any weekly in the country.

As an experiment, and to influence future subscriptions, we offer to send the

1st. Buy seven bars Dobbins' Electric Soap of your Grocer.

2d. Ask him to give you a bill of it.

3d. Mail us his bill and your full address.

4th. We will mail you FREE seven beautiful cards, in six colors and gold, representing Shakespeare's "Seven Ages of Man."

I. L. CRAGIN & CO., 116 South 4th St., PHILADELPHIA, PA.

TO WOOL GROWERS.

LADD'S Tobacco Sheep Dip

IS NOT POISONOUS, and may be used with perfect safety to the animal and those applying it. It is guaranteed an immediate cure for Scab and prevention of infection by that terror to flock-masters.

Certain Cure for Scab and Vermin at any season of the year.

No Flock-Master Should be Without It. It Costs no more than many Unreliable Preparations Advertised for the Purpose.

Send address for our new pamphlet containing testimonials, latest methods for treatment of Scab and Vermin, plans for dipping apparatus, etc.

Published for Free Distribution. LADD TOBACCO COM'Y No. 21 N. Main Street, St. Louis, Mo.

The Jack Plane. Insures a fine, firm, clean seed bed, on early or late plowing.

GUNS

Lowest prices ever known on French-Loaders, Rifles, & Revolvers. OUR \$15 SHOT-GUN.

GRAPE VINES.

All Leading Varieties in large supply. Warranted true to name. Prices low. Also, the celebrated NEW WHITE GRAPE.

PRENTISS

ENSILAGE. THE ROSS GIANT, and Little Giant Cutters.



For Ensilage & Large Stock Raisers. OF IMMENSE SIZE, WEIGHT, STRENGTH, AND CAPACITY.

Guaranteed the Best Cutter for the Business. Send for Circulars to E. W. ROSS & CO., Fulton, N. Y.

Exposition!

Eleventh Annual Meeting. Sept. 12, 13, 14, 15, 16 & 17.

The Great Fair of the West

THERE WILL BE GREATER ATTRACTIONS, BETTER ACCOMMODATIONS, AND MORE PEOPLE THAN EVER BEFORE WITNESSED ON THE GROUND.

In addition to the usual attractions of displays in Live Stock Trotting & Running Races

Miss COOK of California, and Miss WILLIAMS of Kansas will compete in a Ten Mile Race of Equestrianism.

CHARIOTS of Messrs Farro & Mitchell, the best and fastest on the Turf.

The usual displays in all the departments with increased facilities for the comfort of exhibitor and visitors. Very low rates on all railroads.

For information or Premium Lists address J. Y. LEVERIDGE, Secretary.

Kansas Fairs.

Below is a list of Kansas Fairs, with places where and dates when they will be held as officially reported to the State Board of Agriculture. The list is yet no doubt somewhat incomplete, and any omissions we shall be glad to have supplied.

- Anderson-Garnett, Oct. 4 to 7.
Atchison-Atchison, Sept. 26 to 30.
Bourbon-Ft. Scott, Oct. 18 to 21.
Brown-Hiawatha, Sept. 27 to 30.
Butler-El Dorado Oct. 4 to 6.
Chase-Cottonwood Falls, Oct. 5 to 7.
Cherokee-Columbus, Sept. 21 to 24.
Coffey-Burlington, Sept. 20 to 23.
Crawford-Girard, Sept. 28 to 30.
Davis-Junction City, Oct. 4 to 7.
Doniphan-Troy, Sept. 20 to 24.
Douglas-(Western National Fair,) Lawrence, Sept. 5 to 10.
Elk-Howard, Sept. 27 to 30.
Ellis-Hays City, Sept. 28 to 30.
Ellsworth-Ellsworth, Sept. 29 to Oct. 1.
Franklin-Ottawa, Sept. 27 to 30.
Greenwood-Eureka, Oct. 4 to 6.
Harper-Anthony, Sept. 22 to 23.
Harvey-Newton, Sept. 20 to 23.
Jefferson-Ocaloosa, Sept. 27 to Oct. 1.
Jewell-Mankato, Sept. 7 to 9.
Kingman-Kingman, Sept. 1 to 2.
Labette-Osage, Sept. 14 to 17.
Linn-LaCygne, Sept. 20 to 23.
Lyon-Emporia, Sept. 27 to 30.
Marion-Peabody, Sept. 28 to 30.
Miami-Paola, Sept. 28 to Oct. 1.
Marshall-Marysville, Sept. 6 to 9.
Mitchell-Beloit, Sept. 28 to 30.
Montgomery-Independence, Oct. 6 to 8.
Morris-Parkerville, Sept. 13 to 15.
Neosho-Chanute, Oct. 5 to 8.
Osage-Burlingame, Sept. 27 to 30.
Osborne-Bloomington, Sept. 21 to 23.
Ottawa-Minneapolis, Oct. 4 to 6.
Pawnee-Larned, Oct. 4 to 6.
Phillips-Phillipsburgh, Sept. 27 to 29.
Reno-Hutchinson, Sept. 6 to 9.
Riley-Manhattan, Sept. 19 to 23.
Rocky-Florence, Sept. 28 to 30.
Saline-Salina, Oct. 5 to 7.
Sedgwick-Wichita, Sept. 20 to 23.
Shawnee-(Kansas State Fair,) Topeka, Sept. 12 to 17.
Sumner-Wellington, Sept. 7 to 9.
Woodson-Neosho Falls, Sept. 26 to Oct. 1.

Western Fairs.

- The following is a list of the leading western State and District Fairs for 1881.
Illinois-At Peoria, September 26 to October 1; S. D. Fisher, Secretary, Springfield.
Ohio-At Columbus, August 29 to September 2; W. I. Chamberlain, Secretary, Columbus.
Indiana-At Indianapolis, September 26 to 30; Alex. Heron, Secretary, Indianapolis.
Iowa-At Des Moines, September 5 to 9; John R. Shaffer, Secretary, Fairfield.
Wisconsin-At Fond du Lac, September 26 to 30; Geo. E. Bryant, Secretary, Madison.
Nebraska-At Omaha, September 12; Y. C. McBride, Secretary.
Minnesota-At Rochester, September 5 to 10; R. C. Judson, Secretary, Farmington.
Chicago Exposition-At Chicago, Ill., September 7 to October 22; John P. Reynolds, Secretary, Chicago.
St. Louis Fair-At St. Louis, October 3 to 8; G. O. Kalb, Secretary, St. Louis.
Montana-At Helena, September 26; C. G. Reynolds, Secretary, Helena.
Michigan-At Jackson, September 19 to 24; J. C. Sterling, Secretary, Monroe.
Tri-State Fair Association-At Toledo, O., September, 12 to 17; John Farley, Secretary, Toledo.
Kansas State Fair Association-At Topeka, September 12 to 17; George Y. Johnson, Secretary, Topeka.
Western National Fair Association-At Bismarck Grove, Lawrence, Kansas; September 5 to 10; Thos. H. Cavanaugh, Secretary, Lawrence.
North-Western Exposition-At Minneapolis, Minn., September 5 to 10; Charles H. Clarke, Secretary.
Central Ohio-At Mechanicsburg, September 13 to 16; T. E. Shepherd, Secretary.
St. Joseph (Mo.)-Inter-State Exposition, Sept. 5 to 10.
Kansas City Exposition-Sept. 12 to 17; J. Y. Leveridge, Secretary.

THE STRAY LIST.

HOW TO POST A STRAY.

BY AN ACT of the Legislature, approved Feb 27, 1866, section 1, when the appraised value of a stray or strays exceeds ten dollars, the County Clerk is required, within ten days after receiving a certified description and appraisement to forward by mail, notice containing a complete description of said strays, the day on which they were taken up, their appraised value, and the name and residence of the taker up to the KANSAS FARMER, together with the sum of fifty cents for each animal contained in said notice.

Strays for the week ending August 31.
Douglas county-N. O. Stevens, clerk.
MULE-Taken up on the 7th day of August 1881 by J. W. Fugate of Lawrence one brown mare mule 16 hands high, 3 years old, valued at \$75.
MULE-Also by the same at the same time and place one brown horse mule 14 hands high, 2 years old, and valued at \$40.

Strays for the week ending August 24.
Doniphan county-D. W. Morse, clerk.
GELDING-Taken up by J. C. Hale in Iowa township July 26 1881 one sorrel gelding pony 3 years old, bald face, both hind feet white, valued at \$20.
Douglas county-N. O. Stevens, clerk.
MARE-Taken up on the 1st day of August 1881 by Jacob Henke of Eudora one bay mare four years old, white spot in forehead, valued at \$40.

Chicago Advertisements.
VIELE, ADAMS & CO. COMMISSION DEALERS IN LIVE STOCK, CHICAGO, ILL.
Wool - B. W. SAYERS, COMMISSIONER IN CHARGE, 29 Washington St. CHICAGO, ILL.
DR. HENDERSON, A regular graduate in medicine, Over 15 Years' practice in Kansas City, Mo.

CHRONIC SIMMONS LIVER REGULATOR. Looseness of the Bowels results from imperfect digestion, and this again from stomachic irregularities and interruptions. The cause lies in the torpidity of the Liver, and the cure is, take Simmons Liver Regulator to aid digestion, to stimulate the dull and sluggish Liver and to regulate the bowels.

KANSAS LANDS. The ATCHISON, TOPEKA and SANTA FE R. R. CO. have now for sale TWO MILLION ACRES of Choice Farming and Grazing Lands, specially adapted to the Wheat Growing, Stock Raising, and Dairying, located in the latitude of the world, free from extremes of heat and cold; short winters, pure water, rich soil; in SOUTHWEST KANSAS. FOR FULL PARTICULARS, ADDRESS A. S. JOHNSON, Land Commissioner A. T. & S. F. R. R. Co. Topeka, Kansas.

THE PASTILLE FOR NERVOUS DEBILITY

Excelsior Man'g Co., ST. LOUIS, MO. IMPORTERS AND DEALERS IN TIN-PLATE, WIRE, SHEET IRON. EVERY CLASS OF GOODS USED OR SOLD BY TIN AND STOVE DEALERS. SEND FOR PRICE LISTS. H. F. GEE, Topeka, Kas.

A CHARTER OAK Excelsior Man'g Co., ST. LOUIS, MO. IMPORTERS AND DEALERS IN TIN-PLATE, WIRE, SHEET IRON. EVERY CLASS OF GOODS USED OR SOLD BY TIN AND STOVE DEALERS. SEND FOR PRICE LISTS. H. F. GEE, Topeka, Kas.

Floreston Cologne. All Farmers, Mothers, Business Men, Mechanics, etc., who are tired out by work or worry, and all who are miserable with Dyspepsia, Rheumatism, Neuralgia, or Bowel, Kidney or Liver Complaints, you can be relieved and cured by using PARKER'S GINGER TONIC.

THE PASTILLE FOR NERVOUS DEBILITY. A reliable Discovery and New Power in Medical Science, an entirely New and positively effective Remedy for the aching and aching pains of the head, the dizzy and giddy feelings, the nervous debility, the loss of memory, the loss of sleep, the loss of appetite, the loss of strength, the loss of vitality, the loss of all the powers of the mind and body.

State Stray Record. A. Briscoe, successor to Anderson & Jones, Holden, Mo., keeps a complete Stray Record for Kansas and Missouri. No money required for information, well stock identified. Correspondence with all losses of stock solicited.

DR. BUTTS' DISPENSARY. Treat all Chronic Diseases, and enjoy a national reputation through the curing of complicated cases. Indiscretion or EXCESSIVE USE OF PURELY MEDICINES. YOUNG MEN who are suffering from the effects of these errors should be treated by the Dispensary.

MICA AXLE GREASE. PATENTED 1874. Composed of the finest oils and greases, it is the best lubricant in the world. It is the cheapest because it costs no more than the work of two of any other grease made.

Manhood Restored. A victim of early imprudence, causing nervous debility, premature decay, etc., having tried in vain every known remedy, has discovered a simple means of self-cure, which he will send free to his fellow-sufferers. Address J. H. REEVES, 43 Chatham St., N. Y.

Charcoal

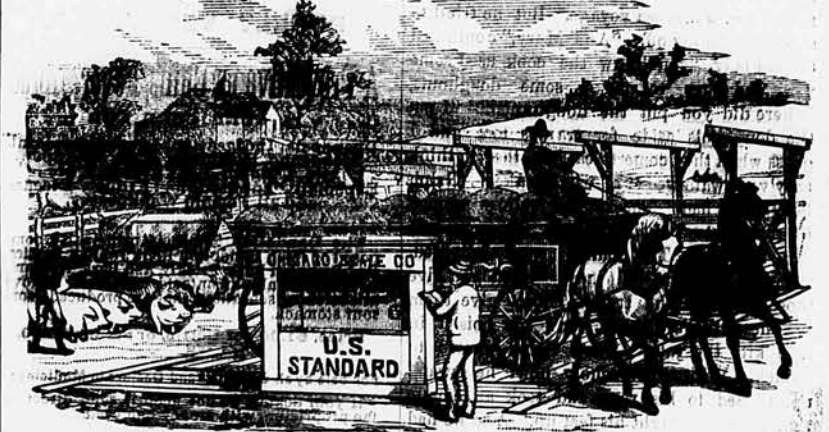


forms the basis for all our medicines for domestic animals. When combined with iron it has no equal in arresting blood poison, contagion and infection. SCOTT'S HOG CURE. It is NOT a new, untried nostrum. After a three years trial, and sale of 14,000 pounds, we can safely say it stands without a rival in all diseases arising from blood poison, infection, contagion and intestinal worms.

Scott's Chicken Cholera Powder. Is a panacea for all diseases of fowls. A small book containing full directions, sanitary suggestions, testimonials, etc., accompanies each package of medicine.

U. S. STANDARD SCALES.

CHICAGO SCALE CO., 147, 149 & 151 S. Jefferson St., Chicago, I. Ill.



2 Ton Scale, Platform 6x12, \$40; 3 Ton, 7x13, \$50; 4 TON (8x14) \$60; 5 TON (8x14) \$75; 6 TON (8x16) \$90; 8 TON (8x20) \$100; 10 TON (8x22) \$110; all other sizes in proportion. Beam Box, Brass Beam, Iron Levers, Steel Bearings, and full directions for setting up. Platform and Counter Scales, Trucks, Money Drawer, &c., &c. THE "LITTLE DETECTIVE," Weighs from 1-4 oz. to 25 lbs., price \$3.00, a perfect Scale for Offices, Families and Stores, sold by Dealers everywhere.

AMERICUS CIDER MILL. THE BEST CIDER AND WINE MILL MADE. It will make Twenty per cent more Cider than any other.

Standard Biography of PRESIDENT GARFIELD. 650 Pages, Able Authors, Fine Illustrations, New, Authoritative, Complete. His early life, rise into prominence as a Soldier and Legislator; election to the Presidency; his formation of his Cabinet; the contest in Congress; the attempt on his life; his Surgical Treatment and Convalescence; all fully discussed. The Finest Selling Book of the Day. AGENTS WANTED Everywhere.

THE WHITE SLIMING. IT HAS THE CHEAPEST AND MOST EFFECTIVE PROOF OF MAKING IT ACTIVE. It is a reliable and safe remedy for all cases of skin disease, such as eczema, psoriasis, etc. It is guaranteed to give relief in five days.

NICHOLS, SHEPARD & CO. Battle Creek, Michigan, MANUFACTURERS OF THE ONLY GENUINE VIBRATOR. THRESHERS, Traction and Plain Engines and Horse-Powers. Most Complete Thresher Factory Established 1848.

STEAM-POWER SEPARATORS and Complete Steam Outfits of matchless quality. Fine Traction Engines and Plain Engines ever seen in the American market. A multitude of special features and improvements for 1881, together with superior qualities in construction and materials not dreamed of by other makers.

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A lightning rod man drove up to a fine new house out west and told the man sitting in the door that he ought to have lightning rods on it.

A woman said to her husband: "You have never taken me to the cemetery." "No dear," replied he, "that is a pleasure I have yet in anticipation."

The man who has never seen two women in Shaker bonnets trying to kiss each other has never experienced the rejuvenating power of a laugh that could throw him down and kick him in the ribs.

Where ignorance is bliss: Miss Featherfuss, sitting in the front-pew in her gorgeous new hat, was totally oblivious of the innocent little tag that told to the congregation that, that little stunning spray of flowers cost her just "62 cents."

A friend advises that people should be careful to pull down the blinds when retiring. The other night the whole fire department assembled clear out at Thirty-first and Hamilton streets, and discovered after all that the alarm was occasioned by the reflection from the street on an old maid who was going to bed in a suit of red flannel underclothes.

"Who is that pretty girl with blonde hair and deep blue eyes there in that jaunty hat?" asked Alfred at the lawn party. "Who, replied Annie, 'that taffy-bared girl, with the tallow eyes, and that nightmare of blue rags on her head? I never saw her before; nobody we want to know.' That, brethren, is the way different people look at a pretty girl in a pretty hat.

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