

# KANSAS FARMER

ESTABLISHED, 1863.  
VOL. XXII, No. 8.

TOPEKA, KANSAS, FEBRUARY 20, 1884.

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

## The Stock Interest.

### PUBLIC SALES OF FINE CATTLE.

Dates claimed only for sales advertised in the KANSAS FARMER.  
February 27 and 28, 1884—H. H. Lackey & Sons, Short-horns, Peabody, Kas.  
March 1, 1884—J. C. Hyde, Wichita, Kas.  
April 1—John X. Griffith, Shenandoah, Iowa, Short-horns.  
April 10 and 11—Leonard Bro., Angus and Galloways, Kansas City.  
April 18—S. T. Bennett, Safford, Kas., Short-horns.  
April 23—C. M. Gifford & Sons, Short-horns, Manhattan, Kas.  
May 6, 7 and 8—Jackson Co. (Mo.) Breeders' Association, Short-horns, Kansas City.  
May 12, 14 and 15—Leonard Bro., Angus and Galloways, Kansas City.  
May 27—J. C. Stone, Short-horns, Leavenworth, Kas.  
May 28—W. T. Hearne, Short-horns, Lee's Summit, Mo.  
June 6—J. H. Potts & Son, Jacksonville, Ill.  
October 9—C. S. Eicholtz, Wichita, Kas., Short-horns.

### KANSAS SHORT-HORNS.

The Second Annual Meeting of the Kansas State Short-horn Breeders' Association.

The Kansas State Short-horn Breeders' Association held their second annual convention in the Senate chamber at Topeka, February 13, 1884. The attendance was much larger than last year, although the weather was very unfavorable. The papers, addresses and discussions were the most important and interesting of any stockmen's convention ever held in the West.

Among those present at the association are the following very prominent breeders of Short-horn cattle: Colonel John Scott, Nevada, Iowa; Dr. W. H. Cundiff, Pleasant Hill, Mo.; Albert Crane, Chicago; Prof. E. M. Shelton, Kansas State Agricultural College, Manhattan; Governor Glick, Major Wm. Sims, Joab Mulvane and G. M. Kellam, Topeka; Col. Wm. Hollowell, Durham Park, Kas.; O. W. Bill, A. W. Rollins, J. H. Brodus, Col. S. O. Sayer, W. P. Higginbotham, E. Huse and J. W. Shartel, of Manhattan; Frank Shaw and W. A. Maxwell, of Salina; G. Y. Johnson, Lawrence; J. E. Guild, J. C. Johnson and D. A. Williams, of Silver Lake; Col. W. S. White, Sabetha; Dr. Robert Patton, Hamlin; Hiram Ward, W. D. Warner and A. N. Miner, Burlington; John Higginbotham, Clay Center; V. R. Ellis, Gardner; W. Roe, Vinland; S. T. Bennett, Safford; Geo. T. Polson, Randolph; J. N. Van Betham, Lyndon; W. W. Waltmire, Carbondale; J. M. Huber and Geo. Hensley, Meriden; A. W. Fleming, North Topeka; C. P. Bolmar, Topeka; C. S. Eicholtz, W. G. Anderson, Ochiltree; and Ed. Haren, Secretary of the Kansas City Fat Stock Show.

Wm. Hollowell, Durham Park, the Vice President, presided over the meeting, and after a few introductory remarks referring to the success of the Short-horn breeders during the past year, the minutes of the first annual convention were read by the Secretary, Prof. E. M. Shelton, of Manhattan.

At the close of the reading of the minutes the Secretary read a letter from the President, J. C. Stone, of Leavenworth, regretting his absence from the meeting.

Mr. Shelton, as Treasurer, then made

a brief report, showing a balance of \$13.65 remaining in the treasury.

Hon. Geo. W. Glick, Governor of Kansas, was then introduced and made a long and interesting address to the association on "The Growing Importance of Short-horns in Kansas."

He stated that the past year had been one of great prosperity in Kansas to all classes of industry and that no interest had been more prosperous than the Short-horn cattle interest. Kansas furnishes every advantage that agriculture requires as well as every advantage that cattle breeding requires and the Kansas farmers are beginning to realize that there is a vast amount of money in combining the two industries, agriculture and stock raising. The State is peculiarly adapted to the breeding of Short-horns, and the past has fully shown that they are more profitable than any other breed in the State. Kansas the past year has made wonderful advancement not only in cattle breeding but in every industry as well. Her herds have increased the past year faster than any other State in the Union, and the increase in her farm products exceeds that of any other State. The increase of her wealth has been unprecedented and the only rival that Kansas of 1883 may have is Kansas of 1884. With her increasing agriculture and stock-raising new industries are springing up in the State chief among which is the sugar industry which promises to place Kansas at the front of the sugar producing States. The value of the increase in cattle in 1883 over 1882 was \$9,000,000, and there was a corresponding increase in the grade and quality of the stock. One of the noblest enterprises that a State can have is the improvement of its cattle, and no breed tends to improve the cattle faster than Short-horns. The Governor then entered into a description of Short-horns and portrayed their many beauties in glowing terms. Referring to Short-horns as beef cattle he said the furnishing of beef of the best quality has been better obtained by Short-horns than by any other breed. At the fairs and stock shows the past year Short-horns have been eminently successful and the association has cause to feel gratified at the results of contests between Short-horns and other breeds. Short-horns have carried off nine prizes where other breeds have carried off one. Referring to the Short-horns as breeders, he said the Short-horn is the only breed that has been eminently successful in the improvement of other cattle. The Governor then spoke of the immense profits in Short-horn cattle and in cattle raising generally, and urged the members of the association to renewed efforts in their business.

After the Governor's address, Hon. W. Scott, of Nevada, Iowa, was introduced, and delivered a good address. It is too long to be given in full. Here are a few extracts:

After referring to our numbers, wealth and progress, he said:

But the glory of America is not in her extended area, the number of millions of her people, her commerce by land and sea, her vast accumulation of resources, her progress in the arts, nor even in the degree of moral and intellectual culture to which she has attained; but rather in the freedom enjoyed and the protection vouchsafed under laws which make the American home the nursery in which is reared that grandest product of the earth—the American child—the American citizen. I refer not to the homes of the rich, but to those homes upon the prairie where the kettle sings upon the hearth, the brightened tinware hangs upon the wall, and the snowy linen covers the humble board, for it is homes like these that rule this favored land, and in homes like these to-day are the Lincolns and Garfields of the future. To share in such a birthright as this—I think of none greater—is to be

#### AN AMERICAN.

This American has a history. His base is Anglo-Saxon; he comes from the loins of those who believed in going West and growing up with the country, when Jamestown and Plymouth were first selected as objective points. He brought with him the nucleus of his future herds, fully determined that he and his dumb friends should supplant the Indian and his bison. Blood will tell. Eight generations have relentlessly trod in their fathers' footsteps with the same stern purpose, and to-day we stand encompassed by many evidences of the full fruition of their hopes. Your State, your capital city, your roads of steel, your grand capabilities in agriculture and the mechanic arts, these are the capstone of the arch of which our fathers laid strong and deep the foundations, and which shall stand to them a perpetual monument. You are the sons of those sires; this is your heritage. While you can but enter upon it with gratitude and thanksgiving, do not forget that with all blessings come cares, duties and responsibilities.

(3.) His Cow. Abruptly turning from this man of cares, duties and responsibilities, we next discuss his most useful, most humble bovine friend and servant, the cow. From the earliest days it was ordered that man should have dominion over the cattle. Jubal, the son of Lamech, is said to have founded a race of cow-boys suited to the requirements of the time; and if we may surmise anything from a history of a very wet time that followed the date mentioned, they were probably no better, to put it mildly, than the most reckless, dependent of ranchmen of our own times. The association of the wild man and the wild cow seems to improve neither the one nor the other, though it is recorded in the case of Abraham and Lot that the owners managed to keep up friendly relations by putting a wide space between them. The world was then newer than now, and there was no trouble about barb wire, either in the fence or the factory.

The grandson of Abraham was also in the cattle business, having a contract with his father-in-law, which would seem to have discounted the branding of Mavericks. He is the earliest known ranchman who "bred for color!" His taste was, doubtless, greatly influenced by his interests, and is not popular at the present day.

The early races of cattle were, doubtless, suited to the early racer of men. The cattle were semi-wild, the men semi-civilized. The present races of cattle are suited to the races,

the individuals, and to the surroundings, it being a law of nature that animal life adapts itself to controlling forces. The necessities of the American bison are met by his capabilities, as are those of the Asiatic buffalo by his, and those of the semi-wild cattle of the Texan, South American, and Russian plains by theirs. On the lowlands of Holland, of Denmark, and of western Germany, the peculiar races of the marsh are found, next to them are the middle races, and then the Mountain or Swiss cattle, each of them with peculiarities that are adapted to their various locations. The same thing is seen in the Mountain cattle of Great Britain; the Glamorgans, or Welsh runts; the Irish Kerry cow, the West Highlands and North Highlands of Scotland, all these are distinguished for diminutive size, length of coat, activity, and capacity to seek and subsist on short rations. In the lowlands of the British Isles, with a milder climate and great abundance of succulent and nutritious foods, are found the beef breeds and the dairy breeds, such as the Devon, the Hereford, the Durham, the Galloway, the Ayrshire and the Jersey, with such sub-breeds as the Suffolk, the Norfolk, the Sussex and the Leicestershire.

But aside from the variations produced by natural causes, the plastic hand of man has been placed upon what nature has furnished, and we find side by side, in his stalls and pastures, with identical surroundings but modified by subtle influences, variations in unimportant details; the most noted of these being that which causes our domestic cattle of the improved sorts to be classed as long horns, middle horns, short horns, and no horns; also the much more substantial variations in important qualities suited to man's various uses, as for beef, for butter, for milk and for labor. Of these it is matter for surprise that such contrasts in appearance should have such similarity in quality; as witness the Hereford and the Galloway for beef, the Holstein and the Ayrshire for milk, the beautiful Devon and the rugged semi-wild races for labor. All this but illustrates the capacity of genius to mould the animal form and attributes, and is full of encouragement to the student and the artisan who will labor in this direction.

From all this may we not deduce the proposition that the highest type of cattle is to be found with the highest type of man? Subject of course, to the influences of nature, such as soil, climate, rugged mountains and sandy deserts, this may be safely affirmed. Thus the Laplander may have his reindeer, the Esquimaux his dog, the wild Indian his pony, the mountaineer his goat, and the low-bred and half civilized people of many fair lands may have the cow in her lower forms, but in her highest and best estate, that of the Short-horn of grand quality and noble lineage, she is only found among those to whom the Creator has been superlatively good.

Within a few years past there has been developed an interest that is now more prominent in the public eye than its real importance warrants. I refer to cattle rearing upon the western plains. The business is profitable, and is of a character to attract attention. It fills the purse, it satisfies the eye, it excites the imagination. But the census taker is abroad. His solid facts satisfy us that there are more cattle among the unknown and quiet farmers of Iowa than are owned by all the cattle kings of all the western plains north of Texas! His statistics

will also inform us that the modest and virtuous women of Kansas get more money for their eggs and chickens than is paid for all the noted race horses of America, yet the former are unknown and the names of the latter are on the tongue of every bootblack in the street! Statistics! Fie upon them! They dispel our fondest illusions. Where is all the poetry of love making in the face of their revelation that the number of marriages and births bears a definite and certain relation to the price of corn? Let us learn, then, to give the plainmen their due, and at the same time not to forget the importance of the millions of common farmers, in whose hands are really "the cattle upon a thousand hills." These farms are to absorb the surplus of the breeders' herds, both males and females, and the time is far distant when they will say, "Hold! it is enough!" What are two hundred thousand Short-horns among four millions of American farmers?

At the close of the address the chair appointed O. W. Bill, G. Y. Johnson and Col. W. A. Harris, a committee on nomination of officers.

Some interesting remarks were made by Albert Crane, of Chicago; Col. W. S. White, Sabetha, Kas.; Hiram Ward, Burlingame; and Col. W. A. Harris, Linwood, after which the association adjourned until 9 a. m. next day.

#### SECOND DAY.

At the suggestion of Col. Harris, F. D. Coburn, Governor Glick and Prof. E. M. Shelton were appointed a committee on resolutions.

Dr. W. H. H. Cundiff, Pleasant Hill, Mo., made an address on "The Past, Present and Future of Short-horns." He described the early history of the breed in England as very beefy, and were noted milkers of a roan or white color. About 1837 breeders began to keep private records of their cattle, but about 1780 the sovereign of Great Britain began taking part in the noble pursuit of breeding Short-horn cattle. In the same period comes to the front in breeding these cattle, two brothers, Robert and Charles Collins, whose names are familiar to breeders of the present time. Several noted animals were mentioned, such as Comet (155) which sold for 1,000 guineas, Favorite (252) the sire of Durham Ox, which was exhibited hitched to a carriage. His weight was 3,400 pounds. His owner refused \$10,000 for him. The American cow so named because of her visit to America, the descendants of this cow originated the famous Rose of Sharon family, which is in such demand now in England and this country. Many other noted breeders and Short-horn animals were described and their history given, also the character of the breed of cattle to-day in comparison with other breeds of the present time show that the grand old Short-horns, as in the past, are bound to continue the best beef breed on earth.

"Some Common Short-horn Family Foundations" was the subject of an excellent paper by J. W. Shartel, a student of the State Agricultural College.

The cattle bred by Collins, Booth and Bates were described as the foundations of the leading Short-horn families. An interesting sketch was given of the plans of breeding pursued by these famous breeders. The paper abounded in many historical facts regarding the early breeders and the noted individuals bred by them.

Prof. Shelton stated the question of "in and in" breeding, as mentioned, always brings forth discussion in Short-horn assemblies.

Col. W. A. Harris said that Mr. Bates did not favor intense "in and in" breeding. It causes too high nervousness, yet uniformity of type cannot well be secured in any other way. He advocated the happy medium plan and in-breeding so far as it is necessary to preserve the type. The success of the Scotch Short-horns is due to the fact

that they have been bred for individuality rather than for pedigree, and line breeding. An out cross is very desirable occasionally, but not to different breeds.

Prof. E. M. Shelton coincided with Col. Harris. The history of the in-breeding by the old breeders was not so injurious as it is at present.

A long discussion of "in-breeding" followed, and the convention adjourned until afternoon after adopting the following resolutions:

WHEREAS, As is well known there exists, at least to some extent in certain of the eastern States the contagious and incurable cattle disease known as pleuro-pneumonia; and

WHEREAS, So long as this dread distemper, or others of like character exists within our borders to the extent of a single case, the beef-producing interests and material prosperity of America, representing hundreds of millions of dollars are in constant jeopardy of irreparable injury if not of practical destruction, therefore be it

Resolved, By the Short-horn breeders of Kansas in convention assembled, that it is the duty of the National Government to afford every protection and safeguard possible against the spread or existence of such a dread scourge or others similar in the United States, the only proper means of which as regards pleuro-pneumonia in its prompt, thorough and complete extermination, and we earnestly request that our Senators and Representatives in Congress give their immediate, vigorous and hearty support to such measures as will insure this result at the earliest season possible.

Resolved, That promptness and vigor of action in this direction are of more importance than the question of a few dollars more or less of expense, and we sincerely hope the subject will be early treated in such a liberal and broad-gauged manner as will accomplish a result so necessary and so much to be desired by every patriotic American.

Resolved, That a copy of these preamble and resolutions be at once forwarded by our Secretary to the President of the U. S. Senate and the Speaker of the House of Representatives and to each member of the Kansas delegation in Congress.

F. D. COBURN,  
G. W. GLICK,  
E. M. SHELTON.

#### AFTERNOON SESSION.

A. M. Miner, Burlingame, read a very practical paper on the "Advantages of the Pure-bred and How to Rear Him."

Geo. Y. Johnson, Lawrence, gave a paper on "Short-horns at the Fat Stock Shows." The paper was replete with facts and figures giving the relative average daily gain per day of animals of different ages and rival breeds, from which he deduced some practical truths for the benefit of Short-horn breeders.

After the reading of the paper the following resolution was adopted:

Resolved, That this association, recognizing the value of the Fat Stock Show as a means to demonstrate the superiority of Short-horn cattle, recommend to the breeders of this State, and urge upon its members the necessity of a general participation in the exhibits at these shows, and that it recommends also the duplicating of all premiums that may be taken by Kansas Short-horns at the Kansas City and Chicago Fat Stock Shows.

A motion of Col. Harris carried that the premiums be duplicated both for thoroughbreds and Short-horns at the above mentioned shows.

It was decided that the members subscribe the amount necessary to meet this expense. The roll was called and about \$2,000 was subscribed.

A paper prepared by Maj. Wm. Warfield, Lexington, Ky., on "The Practical View of the Cattle Question" was read by Col. Harris, of Lawrence:

#### MAJOR WARFIELD'S ADDRESS.

Gentlemen: I feel much too highly flattered by your invitation to either be present at your meeting and address you to-day, or send you a paper on some portion of the great subject now being considered by you, to permit myself to neglect it. The development of the beef producing interests of your great State is a task well worth the intelligent labor of its best citizens, and if any

word of mine can in any degree add to either the completeness or the rapidity of the process it would be almost a crime to withhold it. It would not be worth your while indeed, to accord your attention to me, were I to appear before you in a party-spirit to advocate extravagant claims for any one breed or tribe of cattle; or to assert that the development of the beef production of Kansas depends upon the adoption by her breeders of any one breed of cattle or of any one strain of blood within the bounds of a single race. Let those who think more of the growth of their own pockets than of the wealth and usefulness of a district hold such absurd grounds. If you desire to hear them, you can scarcely lack opportunity. To any seeing eye it cannot appear doubtful that whether Short-horn cattle stand or fall, Kansas is to become a great beef producer; and that in the Herefords or in that magnificent race of Polled cattle that northern Scotland has to offer us or in the prides of the West Highlands there lies at her right hand, material, working on which she can reach success about as rapidly as in the use of Short-horns themselves. The question before your breeders is not "Shall we become a beef producing State or not? What race will make us such and what will prevent us becoming such?" The question is rather: "Which of the several races, each most excellent and each able to serve our ends is the best to adopt?" In a sense Kansas is and is to be a battle ground of breeds; but the "battle"—too sharp a name undoubtedly—is to be a rivalry between admiring brothers, not a war between irreconcilable enemies. The Short-horn race is to stand before your people as the best of the good; not as merely the superior among non-entities. What the Short-horn breeders of Kansas must exhibit to their constituency, therefore, is a race of beef-producing cattle, which are visibly of supreme excellence. If they do this their victory over rival breeds is secure; if they do not, they are already conquered and ought to be. I can advocate to the Kansas feeders, the adoption of Short-horn blood only on the supposition that that blood is the best beef blood. And I would not presume to appear even on paper before this assembly as the advocate of Short-horn cattle, to counsel with you how they may be made to win in this great rivalry, were I not convinced that Short-horn cattle offer the best basis for the production of beef.

There are in particular two claims which can be put in for Short-horn cattle, on which they base their superiority to other beef producing breeds: (1) They are the best "combination" cattle in the world. They and only they of all milk-breeds are prime feeders' and butchers' beasts also; and only they of all beef breeds are prime dairy cattle. The dairymen of England and New York will scarcely depend on any other race; their record in amount of milk is unsurpassed—ever unequaled; their record in combined amount and richness is as good as the best. No race of cattle, therefore, can compete with the Short-horns for the small holder. The farmer who wishes a cow or two for family milk and butter and yet whose bull calves will meet with ready sale to the grangers, simply must choose the Short-horn. In an old and well settled country this gives them an easy palm. For under such circumstances all classes of laborers must play into each others hands, and the feeder is dependent on the multitude of small farmers for the beasts he is to feed. It is thus ridiculous to talk about breeding different races of cattle permanently, for beef and milk separately. The man of wealth may amuse himself with his Alderneys, and beautify his park with the West Highlanders. But in the long run the same cows must produce our steers for beef and heifers for the dairy. Kansas cannot feel this now, but the time is coming when she will feel it. And, therefore, as it is wise to begin with the race with which we are to end, the Short-horns present the best basis for Kansas breeders to-day. I do not propose to dwell on this point now, not because it is not a most important point but for two reasons. First, it can scarcely be doubted that in the matter of "combination" the Short-horns simply distance all competitors; and secondly, men are prone to care more for arguments that touch presently-felt needs and to care much less for posterity than they profess. To these reasons may be added as a third, that Short-horns do not

need to appeal to their milking qualities to indicate their practical superiority to other beef breeds. (2) And this is the second claim that they make: that they considered merely from the feeders' and butchers' standpoint, are the best beef cattle in the world. They base this claim on their early maturity, kindly feeding, rapid growth, great weight, small offal and shrinkage, and superb carcasses. They do not deny that some of these excellencies exist in their rivals in even greater degree than in themselves—they know what is meant by "Prime Scotts," nor do they deny that the combination exists in others of their rivals in only a slightly less degree than in themselves. They do not deny that the combination exists in any other breed, equally, with them. Words would be wasted to prove all this. Not words but deeds must prove it. It is at Kansas City and Chicago and in the markets of the world that the demonstration is to be made and only after the practical conflict can the mystic Q. E. D. be written up with pride in our hearts and conviction in those of our opponents. Let the breeders of Kansas Short-horns understand from the beginning that not assertions but performances, not claims but cattle are the solid and convincing arguments, which will be demanded of them.

And, now, I come to what was most in my mind to say to you. What course is the true one for Kansas Short-horn breeders to pursue, in order to win in the contest? The answer is too near at hand to need anything more than suggesting. If we at all rightly read the signs of the times, they demand a return to a purely beef basis; and Kansas Short-horn breeders will inevitably go to the wall unless they breed cattle that will win in the fat cattle shows. I would like to emphasize this, even by repeating it over and over again. Short-horns will not win in the conflict of breeds unless they are shown clearly deserve to win; it may be at Kansas City, it may be at Chicago, it may be in their pastures at home, but they must visibly deserve the palm for beef or else the day is come when they must step off and away and leave the field free for worthier rivals. This ought to be true and the stern logic of history will make it true. If the Kansas Short-horn breeders wish to succeed therefore, there is no help for it, they must breed fine beef cattle. Now, I am no grandfather to give advice to you as if you did not know for yourselves; but, perhaps, I may be allowed, without offense to close by hinting at a few things which Kansas Short-horn breeders must and ought to do to secure success, simply in the way of classifying and recalling to memory.

(1) First, then, I would say, all petty fancies and fashions must be torn up root and branch. It wont do to demand nothing but red bulls; if we have a fancy for red let us buy the finest bull we can find and if he is white, paint him. He will look just as pretty. Paint your colors, but breed your beef. I give this but as a sample. All of such petty fancies must be absolutely neglected; it is beneath the manhood of the business, it is below the needs of the crisis to set the mind and effort on anything else than the main object, beef.

(2) Amid these petty fashions I would class petty fashions in blood. This tribe and that tribe of pretensions must be swallowed up in the one great tribe of Short-horns. If any man has a fancy for pleasing combinations of names, nothing prevents his spoiling as much clean paper as he wishes to in drawing them up; but the Kansas breeders had better beware of spoiling much good stock in this way. When a claim is put in for superior excellence of any strain ask its votaries to meet you at Kansas City or Chicago. Petty squabbles of this kind are not of date. The point is not "Is your pedigree line bred," but "Is your carcass line straight." He who boasts over much of his descent, has usually little else to be proud of. It should be the glory of Kansas cattle as of Kansas men that they have ascended, rather than descended, from so and so.

(3) And this brings us naturally to say that Kansas breeders ought to refuse to breed from or indeed touch any Short-horn which is not visibly, apart from blood, a superior animal. This is the prime requirement for success. See that all your cows are such beasts that at three years old you are tempted to feed them for the fat cattle show; that your bulls are those that you feel ought per-



Horse Breeding.

*Kansas Farmer:*  
In compliance with your request for an article for the columns of the KANSAS FARMER, on the subject of "horse breeding," I take pleasure in submitting the following synopsis of the recognized principles of breeding, which apply to all classes of animals:  
Never before was there manifested like interest upon the subject of stock breeding as at the present time, not only in this country, but throughout the civilized world. Domestic animals, in all their various uses and purposes, for the speed, comfort, convenience, and necessities of mankind, are so important that their improvement has become a question of the highest importance. One-half of all the citizens of this country are engaged in agricultural pursuits, and get their support and living therefrom, yet the value of farm animals, not including poultry, etc., equals about one-sixth in value of all the farms in the United States. With this great interest at stake, is it surprising that the question of stock raising is exciting so much interest? Those who have not given attention to the subject have but little idea of the extent of the live stock interest in this country. The number of domestic animals, on farms only, in the United States, June 1st, 1890, was as follows, viz.: Horses, 10,359,756; mules, 1,750,860; working oxen, 989,876; cows, 12,443,562; other cattle, 22,475,600; sheep, 35,187,656; swine, 47,683,687. No less than 15,000 horses and mules were brought to market to the single city, St. Louis, in a single month; 11,850 received by boat and rail were sold at good prices to buyers from all parts of the United States, Mexico, England, France and Germany. The average value of horses in the United States January 1st, 1879, was \$52.41. Attention is called to the fact that the general average of the mule is given at \$56.06, \$3.65 higher than the average horse.  
We may suppose this superiority of the mule is to be accounted for in the fact that in his case it is impossible to produce more than the first cross, and cannot be degenerated by injudicious experiments which characterize so much of the breeding of other stock. Who doubts that by careful and judicious breeding the value of all domestic animals can be doubled within a few years? This would add enormously to the wealth of the people. It would soon pay all the indebtedness of the country, including individual debts. To increase the average value of horses alone only \$10, would add over one hundred millions of dollars to the wealth of this country.  
None have failed to notice the marked uniformity and natural tendencies so characteristic in the wild animals. These, no doubt, are produced by continuous in-breeding, while their strength and constitutional vigor are preserved, but it is presumable that the fleetest and strongest—the "masters"—are the most frequently reproduced, thus sustaining the recognized laws and principles of breeding. So, too, with our domestic animals. By selection through generations of these animals coming most nearly to the forms desired, have been produced the recognized types of the thoroughbred. If the same tendencies exist in both sire and dam they are reproduced in a still more marked degree, and with greater certainty. Illustrations of this principle are frequent in the human family.  
There is also a forcible illustration of the recognized theory that numerous strains of a desirable blood coming in through both sire and dam are far preferable to even a greater proportion

of the same blood coming through only a single channel, and only on one side. Most of the great sires of the world, either themselves or some of their controlling ancestors, have been in-bred in characteristics if not in blood.

Disregarding this principle, and consequently the injudicious crossing of animals of opposite characteristics, is a fruitful source of failure in breeding to-day, the one neutralizing the other. Two thoroughbreds may produce a more miserable failure than possibly either could if crossed with a mongrel, not necessarily because either is unfit for breeding purposes, but because they are opposite in all their tendencies, and instead of intensifying the qualities of either, both are neutralized. Especially is this practice most unfortunate and ruinous if progeny are intended for breeding purposes, even though the first cross seemingly be successful. *Intensify, rather than weaken, desirable characteristics, is one of the fundamental principles of successful breeding.*

As all cannot breed from animals of the highest standard of perfection, the important question is: How can we make the most of the advantages available? In selecting animals we should not only consider the points of excellence and defects, but also whether they exist in the sire or dam; for it is shown by experience that, as a rule, they do not exercise uniform influence upon all the parts, the sire controlling to a great extent the extremities, and the dam the body, especially as to size.

The oft-used illustration, the mule, has the large head, the long ears, light mane and tail, and small narrow feet, as also the braying voice and stubbornness of his sire, yet the size of his dam. By a cross the other way, we have the hinney—small, like its dam, with the small head, short ears, heavy mane and tail, large, round feet, as also a voice like the horse.

Acting upon this principle, we are enabled, in a measure, to produce desired results. The colt by a running sire and trotting dam, is more likely to have the running than the trotting action; but reverse this, and the probabilities are that we will get the tendency to trot. To produce the racer we must go to the running families on both sides.

All nature, as well as observation and experience, inculcates the one great, over-towering lesson, that we must breed for what we want; and the breeder who ignores or disregards this rule is sure of failure, as "like begets like." If we want a heavy, large-boned horse, we use the Norman or Clydesdale; while, on the other hand, if we wish a driving or carriage horse, we breed to the roadster which gives speed and endurance.

We admire and appreciate the true culture and taste which give demand for the works of the great artists in animal painting. There is a beauty and a perfection in the highest type of our domestic animals, compared to which these works of art are but miserable imitations. In our admiration of the beautiful let us not forget the useful. I think if breeders would give this subject thoughtful attention and let their experience and observation be known, it would prove highly interesting to all engaged in the work of improving stock of all kinds. J. W. FERGUSON.

Polled Angus and Galloways.  
As will be noticed by the advertisement elsewhere, the Messrs. Leonard, of Mt. Leonard, Saline county, Mo., will sell at Emporia, Kan., at public auction, on Wednesday, March 19, 1884, sixty head of finely bred imported Galloway and Polled Angus cattle, one-half bulls and one-half females. The Leonards are the largest owners of these popular cattle in either this country or Scotland, and as such valuable stock has never before been offered at auction west of Kansas City the farmers and breeders of Kansas should take especial pride in attending the sale. See the advertisement.

**Kansas Clover Seed.**  
New Clover Seed for sale by W. D. Paul, of Pauline, Kansas, at market price. Will sack and ship from one bushel to 150 bushels. Don't lose time and money by buying old seed. Address W. D. PAUL, Pauline, Kansas.

**TO FARMERS.**  
We have now in stock this year's growth of:  
**Clover, Timothy, Red-Top, Orchard Grass, Kentucky Blue Grass,** and all other kinds of Field and Garden Seeds. Call and examine quality and prices. Also dealers in **FLOUR and FEED.** **EDSON & BECK,** Sixth Avenue Feed Mill, 134 & 136 East Sixth Ave., Topeka, Kas.

**Shakers' Garden Seeds.**  
TRUE and GENUINE. FRESH and RELIABLE.  
One of the oldest Seed firms in the country. Seeds sent by mail, postage free. Special prices and terms to GRANGERS.  
"The excellence of the Shakers' Garden Seeds is generally admitted."—*Edu. American Agriculturist.*  
Illustrated and Descriptive Catalogue of Vegetable and Flower Seeds Free. **WM. ANDERSON,** Mount Lebanon, Col. Co., N. Y.

**FREE SPRING LAKE EXPERIMENTAL Farm Catalogue Free to All Applicants.**  
We test new varieties in the whole domain of Agriculture, but sell only such as show an adaptation to the West. Address **J. T. WILLIAMSON,** Edwardsville, Kas.

**Sweet Potatoes.**  
All the best known varieties, for Table Use and for Seed, and any quantity.  
**FROM A BARREL TO CAR LOADS.**  
Address the Old Reliable Grower of Sweet Potatoes, **B. F. JACOBS,** Box 22, Wamego, Kas.

**TREES, TREES, TREES.**  
**1,000,000 Russian Mulberry,**  
**500,000 Hardy Catalpa, Russian Apricot, Dwarf Juneberry, and McCracken Blackberry.** An immense stock of fruit, forest and ornamental trees, shrubs, vines and roses. The best silk worm eggs and text-books on silk culture. Send for price list. Address **CARPENTER & GAGE,** Bower, Jefferson Co., Neb.

**TOPEKA SEED HOUSE.**  
Alfalfa Clover, Orchard Grass, Blue Grass, Timothy, Clover, and all other kinds of Lawn and Pasture Grass Seeds.  
**Garden Seeds** of all kinds and of the latest varieties, gathered from all the responsible seed growers, from Massachusetts to California. Our seeds are fresh and selected with the utmost care. We have grown for us in California some classes of seed which we have known to do well in this climate. We have also a choice selection of home-grown **Seed Corn, Seed Oats; Cane Seed; Seed Potatoes, Millet, Hungarian, Buckwheat,** and all other really useful seeds, to supply the needs of customers from other States. To Farmers and Gardeners who have not yet dealt with us, and who contemplate sending away for seed, we give an earnest invitation to visit our Seed House, and we think we can show you as great a variety of good, pure seed, and as low in price as can be furnished by any seed house, East or West. Send for catalogue, then send in your order or call at our Seed House, 75 Kansas Avenue. Address **DOWNS & MEFFORD,** Topeka, Kansas.

**ONE CENT**  
invested in a postal card and addressed as below  
**WILL**  
give to the writer full information as to the best lands in the United States now for sale; how he can  
**BUY**  
them on the lowest and best terms, also the full text of the U. S. land laws and how to secure  
**320 ACRES**

of Government Lands in Northwestern Minnesota and Northeastern Dakota.  
ADDRESS:  
**JAMES B. POWER,** Land and Emigrant Commissioner, ST. PAUL, MINN.  
"THE BEST IS THE CHEAPEST."  
**SAW ENGINES THRESHERS, MILLS Horse Powers,** (For all sections and purposes.) Write for Free Pamphlet and Prices to The Aultman & Taylor Co., Mansfield, Ohio.

**KANSAS FARMERS Mutual Fire Insurance COMPANY**  
—OF—  
**ABILENE, KANSAS.**  
OFFICERS:  
**J. E. BONEBRAKE,** President.  
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**INSURES**  
Farm Property and Live Stock Against Fire, Lightning, Tornadoes and Wind Storms.

AGENTS WANTED in Every County in Kansas. For any information, address the Secretary, Abilene, Kansas.

**STRACHAUER'S CHURCH MUSIC,**  
For Quartet and Octet Choirs.  
MR. HERMANN STRACHAUER, whose pure and elevated taste, and decided talent as a composer well fit him for the task, has here given us, in an octavo book of 170 pages, 29 very beautiful quartets, in the form of the higher church music. Half are his own, and half arrangements from the great masters. Choir leaders will find this a treasure. Price in Boards, \$1.00.

**Ludden's Pronouncing Dictionary of Musical TERMS** (\$1.25) in all languages, is a most handy and convenient book for all musical people.  
**READING FOR THE MUSICAL MILLION**  
is found in Ditson & Co.'s most interesting BOOKS OF MUSICAL LITERATURE, every year more popular, and worthy of purchase for Public Libraries, and by all students of music. Lives of Beethoven (\$1.50); Gottschalk (\$1.25); Chopin (\$1.25); Handel (\$2); Mendelssohn (\$1.25); Rossini (\$1.50); Schumann (\$1.25); Mozart (\$1.50); Von Weber (\$2 Vols., each \$1.25), and many others. Send for lists.  
**WAR SONGS.** 50 cents. Everybody is singing them. Immensely popular book.  
**GUITAR AT HOME.** (#2) New, large and fine collection of bright and popular music.  
Lists furnished. Any book mailed for retail price.  
**OLIVER DITSON & CO., Boston.**  
**C. H. DITSON & CO., 387 Broadway, New York.**

**Stock Ranges**  
—IN—  
**FLORIDA FOR SALE!**  
One containing 41,292 Acres, another containing 15,000 Acres.  
Price, \$1.25 per acre, cash, or 25 per cent. cash, balance in equal payments in one, two and three years with interest at 8 per cent. per annum.  
These are the best ranges in Florida, the land being largely Prairie. Cattle-raising is fully as profitable here as in any State in the Union, and the percentage of loss is less.  
For particulars, address **C. A. BOARDMAN,** Land Commissioner F. S. Railway, PALATKA, FLORIDA.

**THE INVALUABLE DOMESTIC REMEDY!**  
**PHÉNOL SODIQUE.**  
PROPRIETORS:  
**HANCE BROTHERS & WHITE, Phila.**  
*No Family Should be Without It!  
No Factory Should be Without It!  
No Workshop Should be Without It!  
No Hospital Should be Without It!  
No Physician Should be Without It!  
No Veterinarian Should be Without It!  
No Plantation Should be Without It!  
No Stock-Raiser Should be Without It!*  
FOR SALE BY DRUGGISTS AND GENERAL MERCHANDISE DEALERS.

**FOR SALE**  
At Let-Live Prices.  
**THOROUGHbred MERINO SHEEP,**  
From Atwood and Hammond strains. Also Pure LEAMING CORN for seed. Orders booked for Plymouth Rock eggs, in rotation yards, made up from best winning birds. Address **U. S. TODD,** Lawrence, Kansas.



The Home Circle.

Through Life.

We slight the gifts that every season bears, And let them fall unheeded from our grasp...

I once again in this charmed realm inquire, Not listening to the ocean's sad refrain, Nor watching on the mountain heights, to gain...

Teach by Example.

An essay read before the Experiment and Test Club, Jefferson county, by Mrs. James Vanatta. When we look back over past years and think how much time has been used to no purpose in our lives...

Fathers, if you do not want your sons to swear, do not swear yourself; if you do not want them to visit saloons or any other place that is not intended for their good...

The discipline of certain households consists for the most part in the enforcement of prohibitory laws. Touch not, taste not, handle not, is inscribed upon almost everything which the child is likely to desire.

We spend a large part of our lives in an idle chase after happiness; we think that it lies in the future, that it consists in the possession of something which we have not and which we long for and strive after...

How Some Gir's Behave.

A lady correspondent of the Farmers' Review tells some truths that are worthy the attention of all our young lady readers. If girls knew how offensive they are, how really disagreeable when they make dunces of themselves in the way described...

Let me say a few words to girls upon what might be called "exaggerated manners" and expressions. Let an observant person take notice of the conversation and manner of the girls of to-day and he will be surprised at the unnecessary amount of words they crowd into the shortest speech...

The use of slang is positively becoming unbearable. Girls are absolutely unable to express themselves in standard language, and slang is growing more and more vulgar. It used to have the merit of a little wit, even if of a poor kind...

For there's no sequestered grot, Lone mountain tarn or isle forgot, But Justice, journeying in the sphere, Daily stoops to harbor there. —Emerson. A scientific professor records the following singular instance of self-cannibalism: He cut in two a male cricket, and immediately the fore part, probably experiencing a sensation of emptiness, turned upon the hinder part and devoured it.

Over \$600,000 worth of Jersey stock sold at public auction in the United States during last year.

A HUNTER'S STORY.

How He was Overcome and the Way by which He was Finally Saved.

(Correspondence Spirit of the Times.) An unusual adventure which recently occurred to your correspondent while hunting at Brookmere in this State is so timely and contains so much that can be made valuable to all readers...

The day was a most inclement one and the snow quite deep. Rabbit tracks were plentiful, but they principally led in the direction of a large swamp, in which the rabbits could run without difficulty, but where the hunter constantly broke through the thin ice, sinking into the half-frozen mire to his knees.

"You've had fine success, where did you get all that game?" "Right here, in the swamp." "It's pretty rough hunting in these parts, especially when a man goes up to his waist every other step."

"Well, you see, about ten years ago, after I had been tramping around all day in this same swamp, I felt quite a pain in my ankle. I didn't mind it very much, but it kept troubling me for a day or two, and I could see that it kept increasing.

"And did you trace all this to the fact that you had hunted so much in this swamp?" "No, I didn't know what to lay it to, but I knew that I was in misery. My joints swelled until it seemed as though all the flesh I had left was bunched at the joints; my fingers crooked in every way and some of them became double-jointed.

"Didn't you try to prevent all this agony?" "Try, I should think I did try. I tried every doctor that came within my reach and all the proprietary medicines I could hear of.

"Because I am completely well and as sound as a dollar. It may seem strange, but it is true that I was entirely cured; the rheumatism all driven out of my blood; my joints reduced to their natural size and my strength made as great as ever before, by

means of that great and simple remedy, Warner's Safe Rheumatic Cure, which I believe saved my life."

"And do you now have no fear of rheumatism?" "Why, no. Even if it should come on, I can easily get rid of it by using the same remedy."

The writer turned to leave, as it was growing dark, but before I had reached the city precisely the same symptoms I had just heard described came upon me with great violence. Impressed with the hunter's story, I tried the same remedy, and within twenty-four hours all pain and inflammation had disappeared.

Good seed is one of the most important things on the farm, and a poor article is one of the most disastrous to the farmer.

Messrs. Jas Rowland & Co., Kensington Iron and Steel Works, Philadelphia, say of Phenol Sodique, the great remedy for burns, bruises and cuts: "No one should be without it, particularly manufacturers employing large numbers of hands."

A Michigan grape grower found that one full-grown Concord vine produced more and better fruit when occupying fifty feet of trellis than the vines of the same length of trellis planted eight feet apart.

A Free Seed Book.

We are pleased to note that those enterprising seedsmen, Hiram Sibley & Co., of Rochester, N. Y., and Chicago, Ill., have issued a handsome work which describes all the varieties of seeds that any American farmer or gardener can want.

It is estimated that the fences of Great Britain are worth \$250,000,000, and that it costs \$32,000,000 a year to keep them in repair.

Look Out for Frauds!

The genuine "Rough on Corns" is made only by E. S. Wells (proprietor of "Rough on Rats"), and has laughing face of a man on labels. 15c and 25c Bottles.

15 Pounds Gained in Three Weeks AND Cured of Consumption.

Messrs. CRADDOCK & Co., 1032 Race St., Philadelphia, Pa. Gentlemen: Please send me twelve bottles of Dr. H. JAMES' CANNABIS INDICA, one each of Pills and Ointment, for a friend of mine who is not expected to live...

J. V. HULL, Lawrenceburg, Anderson Co., Ky. This remedy speaks for itself. One bottle will satisfy the most skeptical. There is not a single symptom of CONSUMPTION that it does not dissipate at once, and it will break up a fresh cold in 24 hours.

Address, CRADDOCK & Co., 1032 Race Street, Philadelphia, Pa.

KANSAS Subscription Book Agency, 78 Kansas Avenue, TOPEKA, : KANSAS.

Agents for "Bishop's Farm Record and Account Book." This work should be in the hands of every farmer and stock raiser as a matter of business, being worth many times its price.

Also G. & C. Merriam's special agent for the subscription edition of "Webster's Unabridged Dictionary." It is composed of better paper and binding and contains more illustrations and much more printed matter than the latest Unabridged Dictionary kept in book stores.

"Mitchell's New General Atlas of the World," for 1884, with everything brought down to the present. Ancient and Biblical maps, map of the Thirteen Original Colonies, a double-sheet Railroad map of the U. S., Town-ship maps of the United States and Territories, Plans of the principal cities of the U. S., and much valuable statistical matter.

Standard Histories of the U. S. and other countries, and the Civil War Albums and Bibles. Agents wanted in every part of Kansas. Call upon or address as above.

A PRIZE. Send six cents for postage, and receive free a costly box of goods which will help all, of either sex, to more money right away than anything else in this world. Fortunes await the workers absolutely sure. At once address TRUX & Co., Augusta, Maine.









**Horticulture.**

**Beautifying Our Homes.**

A paper read by Mrs. Dorcas R. McDowell, before the E. & T. Club, Jefferson county. Ever since I was old enough to have a desire to have things that were pretty around me, I have heard the idea advanced that farmers had not time to fix up their yards. Plant apple, plum, or cherry trees, and then you would have something for your trouble. Just as though there was no profit from our labor except through our stomachs or money into our pockets. Fruit trees have their place on a farmer's lawn, but not to the exclusion of other trees. I have never been convinced that farmers have not time to make things beautiful about their homes. To my mind it is a great mistake to devote all the time to raising wheat, corn, potatoes and hogs, and letting the yards and gardens take care of themselves. Too often the largest weeds and the largest piles of litter are left near the house. When that is the case, how can we expect our sons and daughters to love home more than any other place and be willing to stay there long after they are grown men and women and say they will be farmers.

A little 8 by 10 yard with a few flowers planted along a narrow walk is not enough to make a home beautiful. Acres are needed. Houses are set too close to the high road. Then, the barn and outbuildings are crowded around as though land was scarce and all must be put on a very small space. Health demands that there should be some distance between houses, wells and barns.

We went to call upon an old neighbor while at home. When we came near the house I was more than surprised to see a little yard filled with beautiful evergreens. About all you could say was—what beautiful trees! They were crowded into a space not over two hundred feet square, the trees but a few feet apart. The house stood upon one side of a narrow ravine, and the high road passed down the opposite side, and not less than two acres of open land lay between but quite steep on both sides. The drive from the house to the road curved beautifully. Water trickled down the side of the hill from the spring near the house and fell into a larger run (as we Pennsylvanians call them) at the bottom of the ravine. There were several forest trees, such as Oak, Beech and Locust, on the open space. Had those evergreens been planted in groups or singly from fifty to a hundred feet apart over those banks, it would have made a place of unusual beauty. No one could help but admire it. Nature had done her part, but the owner failed to see what he had to work upon. Consequently his home was not much improved by the planting of a few evergreens in a small yard.

In starting a home I would select a building site where I had the best views, in not too exposed a situation, as near the center of the farm as I could, and where water was convenient. I would pay no attention to the high road. Always remember that distance lends enchantment to the view. Then I would take five acres; have a hedge of Osage orange along three sides; put it down in grass—any kind that it is green and pretty. The next thing, lay out a winding drive and have it outlined by a row of gooseberries. When they are kept trimmed they are very pretty, particularly in the early spring. Rose bushes would be very pretty if our purse would allow it.

A writer on lawn planting says you should plant low trees and shrubs in front, have them wide apart, and as you go back let them be taller and closer together. By doing so it makes your lawn look larger.

I would plant a few trees in groups or singly, the choicest in front; have a forest tree, then a group of cherry trees; in another place an apple tree; a group of wild plums there, and the same all over the lawn, always keeping in mind not to plant them where they would shut out a pretty view. I would be stingy of my trees; it is better to have too few than too many. Where they stand out by themselves and the sun and light reaches all sides, they grow more beautiful, have a better shape and are more perfect. Each tree would attract the attention of the traveler.

The next thing to do would be to select a place for a strawberry bed, a second one for raspberry, a third for blackberries, a fourth, fifth or more for the kitchen garden, a row of current bushes on the north side of the fence or hedge. All these to be so arranged as to be worked with a horse by the farmer and his men.

(Concluded next week.)

**A LADY'S LIFE**

May depend upon the medical treatment she receives for the removal of those trouble-peculiar to her sex. That these affections can be cured is clearly demonstrated by thousands of testimonials on file at the office of Drs. Jackson & Burnett, N. E. Corner Race and 9th Streets, Cincinnati, Ohio.

Our advice to our lady readers is to correspond with them. They are skillful and learned, and always meet with success in their practice. The appended letter from the wife of the Rev. S. B. Binkley, which is published by permission, shows the efficacy of their treatment.

Marionville, Ind., June 19, 1875.  
 DR. JACKSON & BURNETT, Cor. Race and 9th Sts., Cincinnati, O.

DEAR SIRS:—I have been an invalid for several years. Your M. U. Pastilles were recommended to me by a physician. When I commenced their use, I had been unable to walk for nearly two years without the use of an instrument. After using less than one box of the Pastilles, I laid the instrument aside, never again to take it up, and in two months was entirely cured of Retroversion and Prolapsus of the Uterus. Have also been cured of Leucorrhoea. From my own experience, and that of some half-dozen others that have used them, I consider the Pastilles the most valuable medicine ever given to the poor suffering woman, as they have never failed in effecting the desired result when properly used. Ladies too sensitive and timid to call on a physician for advice and treatment, have here a valuable medicine in their own hands.

Yours respectfully, MRS. L. C. BINKLEY.

Drs. J. & B. show their faith in their remedy by sending a sample box free upon receipt of six 2c. stamps, to pay postage, etc. Try a box.

USE  
**LEIS' DANDELION TONIC**  
 THE GREAT  
**BLOOD & LIVER PURIFIER**



A SURE CURE FOR  
 Sick Headache, Dyspepsia, Langour,  
 Nervous Exhaustion arising from over-  
 work or excess of any kind,  
 —AND FOR—  
**Female Weaknesses.**  
 —IT PREVENTS—  
 Malarial Poisoning and Fever and Ague.  
 And is a Specific for Obstinate  
**CONSTIPATION**  
 PRICE \$1.00 PER BOTTLE; SIX FOR \$5.00  
 SOLD BY DRUGGISTS EVERYWHERE

Female Weaknesses.  
 —IT PREVENTS—  
 Malarial Poisoning and Fever and Ague.  
 And is a Specific for Obstinate  
**CONSTIPATION**  
 PRICE \$1.00 PER BOTTLE; SIX FOR \$5.00  
 SOLD BY DRUGGISTS EVERYWHERE

Durham is historic. It was neutral ground during the armistice between Sherman and Johnson. Soldiers of both armies filled their pouches with the tobacco stored there, and, after the surrender, marched homeward. Soon orders came from East, West, North and South, for "more of that elegant tobacco." Then, ten men ran an unknown factory. Now it employs 800 men, uses the pink and pick of the Golden Belt, and the Durham Bull is the trade-mark of this, the best tobacco in the world. Blackwell's Bull Durham Smoking Tobacco has the largest sale of any smoking tobacco in the world. Why? Simply because it is the best. All dealers have it. Trade-mark of the Bull.



LOOK OUT!  
**DURHAM BULL**

If he'd gone for a pack of Blackwell's Bull Durham Smoking Tobacco, as he was told, he wouldn't have been cornered by the bull.


IT PAYS to sell our Hand Rubber Stamps. Samples free. FOLJAMER & Co., Cleveland, O.


**SHORT-HORNS FOR SALE.**  
 THE BREEDERS' ASSOCIATION OF CLINTON AND CLAY COUNTIES, Mo., own about  
**1,000 Short-horn Cows,**  
 and raise for sale each year  
**Near 400 Bulls.**  
 Will sell males or females at all times as low as they can be bought elsewhere. The Annual Public Sale will be held the first Wednesday and Thursday in June of each year. Parties wanting to buy Short-horns Write to  
 J. M. CLAY, President, Plattsburg, Mo.;  
 H. C. DUNCAN, Vice President, Osborn, Mo.  
 or S. C. DUNCAN, Secretary, Smithville, Mo.

**COTTONWOOD FARM HERDS**  
 Established in 1876.  
**J. J. MAILS, - PROPRIETOR,**  
 MANHATTAN, KANSAS,  
 —Breeder of—  
**SHORT-HORN CATTLE, BERKSHIRE SWINE.**  
 My Short-horns consist of 40 Females, with Duke of Oakdale 10,599, a Young Mary Bull, at the head of the herd. He is a noted sire and a model of beauty and perfection.  
 My Berkshire herd of 15 Choice Brood Sows, headed by Kellor's Photograph 3551, a massive hog and sire of some of the finest hogs in Kansas, assisted by Atherton's Hero 4401, a young and well-bred Sally boar.  
 Choice young Stock for sale. Prices reasonable.


**ROCK HILL STOCK FARM.**  
 MOREHEAD & KNOWLES,  
 Washington, - - Kansas  
 (Office, Washington State Bank.)  
 —BREEDERS OF AND DEALERS IN—  
**SHORT-HORN AND GRADE CATTLE,**  
**MERINO SHEEP,**  
**Poland China Swine,**  
 Thoroughbred and Trotting Horses.  
 Stock for Sale. [Mention "Kansas Farmer."]

**HEADQUARTERS FOR  
 HEREFORDS**  
 In the Southwest,  
**HUNTON & SOTHAM,**  
 Abilene, - - - Kansas.  
 Imported and Home-bred Hereford Cattle of both sexes constantly on hand. Also choice Cross-bred and Grades, both sexes. Send for Illustrated Catalogue.  
**WHITFIELD & SOTHAM,**  
 ABILENE, : : KANSAS,  
 Headquarters in the Southwest for **WHITFIELD  
 SHORT-HORNS.**  
 Send for Illustrated Catalogue containing a history of this famous family.

**EZRA STETSON, M. D., & SONS,**  
  
 Importers of  
**Percheron & Clydesdale  
 HORSES.**  
 Correspondence Invited.  
 Neponset, Bureau County, Illinois.  
 February 5, 1884.

**DILLON BROS  
 NORMAL, ILL.**  
  
 IMPORTERS AND BREEDERS OF  
**NORMAN HORSES,**  
 (Formerly of firm of E. Dillon & Co.)  
**THREE IMPORTATIONS IN 1883.**  
 200 head of Normans on hand.  
**STABLES AND HEADQUARTERS LOCATED AT NORMAL,**  
 Opposite the Illinois Central and the Chicago & Alton Depots. Street cars run from the Lake Erie & Western and Indianapolis, Bloomington and Western Depots in Bloomington, direct to our stables in Normal. Address **DILLON BROS., Normal, Ill.** Send for illustrated catalogue.

Opposite the Illinois Central and the Chicago & Alton Depots. Street cars run from the Lake Erie & Western and Indianapolis, Bloomington and Western Depots in Bloomington, direct to our stables in Normal. Address **DILLON BROS., Normal, Ill.** Send for illustrated catalogue.

  
**CRESS BROS.,**  
**NORTH HILL STOCK FARM,**  
 WASHINGTON, TAZEWELL CO., ILL.  
 Importers and breeders of Clydesdale, English Draft, and Percheron-Norman Horses. With our recent addition of a large Importation, together with those previously on hand, have now one of the finest studs in the world. Clydesdales made a specialty. Quite a number of them are direct sons of the grand old stallions Darnley, Topgallant and Lord Lyon. Visitors welcome, and all parties in need of such high-class stock would do well to give us a call. Send for catalogue. Reasonable prices. TERMS EASY.

Importers and breeders of Clydesdale, English Draft, and Percheron-Norman Horses. With our recent addition of a large Importation, together with those previously on hand, have now one of the finest studs in the world. Clydesdales made a specialty. Quite a number of them are direct sons of the grand old stallions Darnley, Topgallant and Lord Lyon. Visitors welcome, and all parties in need of such high-class stock would do well to give us a call. Send for catalogue. Reasonable prices. TERMS EASY.

**Premium NORMAN STUD.**  
  
**VIRGIN & CO., Fairbury, Ill., and Hane, France.** Two shipments this season; one just arrived—seven head of three and four-year-old stallions—making thirty head now on hand. We claim advantages over any firm in the business, which we will prove if you wish to buy.  
 Send for catalogue. **JOHN VIRGIN.**

  
**GALBRAITH BROS., Janesville, Wis.,**  
 Have on hand a splendid collection of Clydesdale Stallions, from 2 to 6 years old, all for sale at moderate prices and on easy terms. Write for particulars. Fifty premiums gained by our horses at the State Fairs last fall. Every stallion is guaranteed a breeder.  
**PENSIONS** for any disability; also to Heirs. Send stamps for New Laws. COL. L. BINGHAM, Attorney, Washington, D. C.

## In the Dairy.

### ABOUT BUTTER.

Some Notes Respecting its Origin and History--Methods Pursued in its Production.

The recent Dairy Show at Caen, has drawn attention to the most improved process for the preparation of butter; notably, as to the manner of skimming, the stage at which cream ought to be churned, and whether the butter ought to be kneaded with hand or instrument; washed, or merely subjected to mechanical pressure. Another question has been raised at the same time, whether it is more profitable to convert milk into butter or cheese. A small farm of 50 acres cannot very well, it is argued, invest in cheese making; that is a commercial speculation necessitating the association of several farms, and capital.

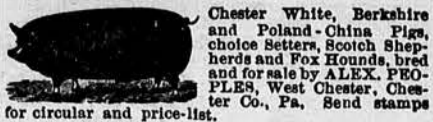
The origin of butter is unknown, yet nearly all languages retain in the radical of the word, the equivalent for agitation or churning. Butter is a fatty, oily substance, held in suspension in milk, and that rises to the surface by its lesser density. It brings up with it serum, and caseine; the whole forms cream. Churning allows the buttery particles to agglomerate; washing and kneading expel the milk and caseine, the latter especially, as being azotised, it induces rancidness or fermentation. Bromeis says butter is composed of five different substances; oleine, 80 per cent; margarine, 68; butyric, caprine, and capricine 2 per cent. Fourcroy ranks butter as an animal oil, and that it owes its solidity to a certain portion of oxygen. It preserves when salted or melted, because such operations destroy the caseine which is the putrescent element. Butter possesses all the nutritive and digestible properties of fat, and Soubeiran observes, that it is by its odor, it is distinguishable from all other fats. The latter are formed by setting, butter from agitating.

Butter made from sheep's milk is fatty; of a pale yellow color in summer, and white in winter. It preserves badly. Goat's butter is white, keeps better than that of sheep's but has a bad taste. That prepared from asses' milk is white, soft, tasteless, and difficult to extract. The qualities of good butter are a mild, agreeable, and slightly aromatic taste, sufficiently firm to be cut in thin slices; color, yellow shading into orange. Bad butter contains caseine and is white and cheesy. "Run" butter, is butter clarified, melted and potted for use; in India, "Ghee" is the name given to this preparation.

The Scythians, and through them the Aryans, the Greeks and the Latins, must have known butter, as they had numerous flocks and herds. The Romans only employed butter—they favored oils—as a medicament, similarly as was the use of sugar in the middle ages. Robinson states butter is in use in the present day in Palestine, and as practices are slow to change in the east, it may have been so since centuries. According to Buckhardt, the Arabs apply butter to different uses. In the Orient, however, butter is frequently confused with a kind of milk curdled by acid or leaven, and offered to all travellers—it is a household dish.

Good butter is closely connected with good milk, and the latter in turn with the food and the breed of cattle. The centrifugal process of skimming milk, and its immediate churning, demand time and testing before becoming an institution. Hence, the process remains of setting the milk, and churning either the whole contents of the vessel, or merely the cream. Soured cream yields a butter more abundant, but its quality is inferior. This is the case with Bretagne butter; the crocks are kept in presses and wardrobes, accumulating dirt and offensive odors.

The time necessary for churning varies with the season, that is to say, the temperature. When the butter is slow in gathering, or bewitched, many persons add some lemon juice or brandy—but this tells on the quality. In Berry and Normandy, many farmers place the cream in linen bags, neither too coarse nor too fine, and bury them two feet in the ground, covered well up, for 24 hours. When retired, the cream is in the form of a block; this is broken with a wooden hammer, the buttery particles alone separate, and a wine glass full of water will unite them. The washing of the butter is a vexed question. In Normandy, such is effected several times in the churn, and afterwards rolled with bats. Equally first-class butter is turned out by substituting pressure for washings, and the aroma is in both cases excellent.—Paris Correspondence of Michigan Farmer.

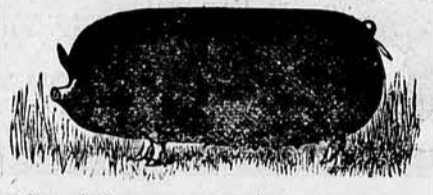


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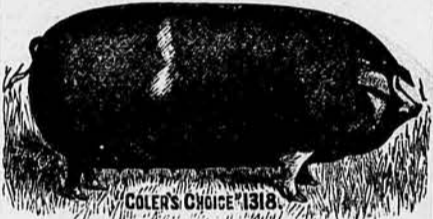
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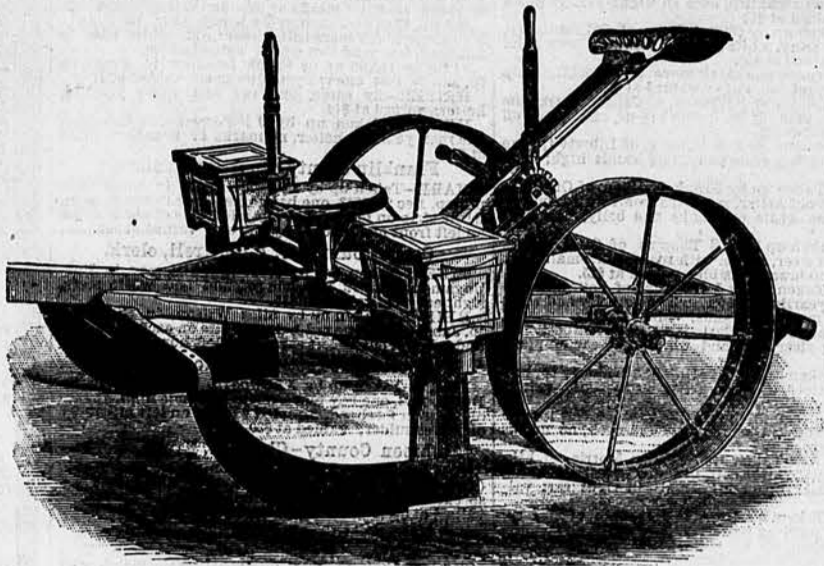
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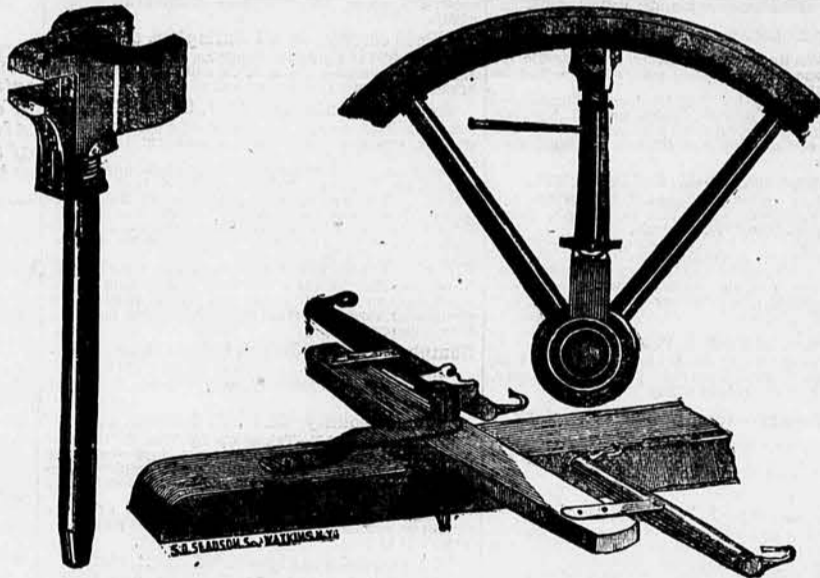
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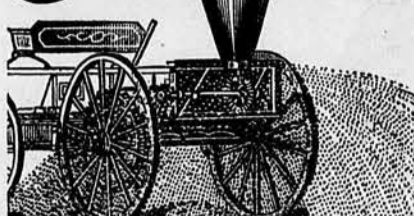
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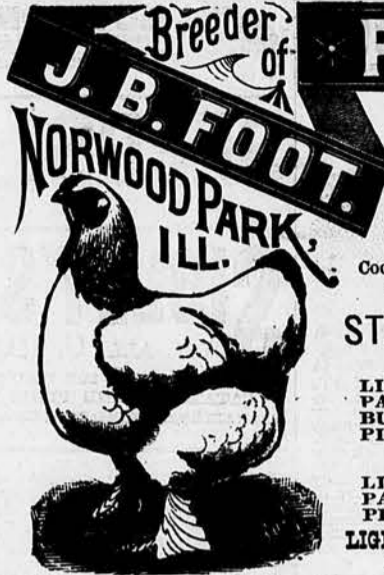


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(Norwood Park is 10 miles from Chicago, on the C. & N. W. R. R.) READ! READ!! The Great Poultry Show at Chicago, Nov. 14-22, 1883. LIGHT BRAHMAS-Cock-1st, 2d, 3d, 4th and 5th. Hens-1st, 2d, 3d, 4th and 5th. Cockerels-None shown. Pullets-1st, 2d, 3d, 4th. Breeding Pen-1st and 2d. PARTRIDGE COCHINS-Cock-1st, 2d, 4th and 5th. Hens-1st, 2d, 3d, 4th and 5th. Cockerels-1st, 3d, 4th and 5th. Pullets-1st, 2d, 3d, 4th, 5th. Breeding Pen-1st, 2d and 3d. BUFF COCHINS-Cock-1st. Hen-1st; score 95 1/2. PLYMOUTH ROCKS-Hen-3d. Pullet-4th. Breeding Pen-3d. STATE FAIR AT CHICAGO and ST. LOUIS FAIR, 1883. Chicago, September 24, 1883, Winning on every Pair of Fowls shown. LIGHT BRAHMAS-1st and 2d on Fowls; 1st and 2d on Chicks. PARTRIDGE COCHINS-1st and 2d on Fowls; 1st on Chicks. BUFF COCHINS-1st and 2d on Fowls. PLYMOUTH ROCKS-1st on Fowls; 1st and 2d on Chicks. St. Louis Great Fair, October 2, 1883,-B. N. Pierce, Judge. LIGHT BRAHMAS-1st on Pair; 1st on Breeding Pen. PARTRIDGE COCHINS-1st on Pair; 1st on Breeding Pen. PLYMOUTH ROCKS-2d on Pair. LIGHT BRAHMAS, PARTRIDGE and BUFF COCHINS and P. ROCKS MY SPECIALTY. All correspondence cheerfully answered. Send Stamp for 4 page Illustrated Circular.



FOR A SUCCESSION THE ENTIRE SEASON. Pea, Bliss' Abundance-90 pods counted on a single plant. Very productive, 15 to 18 inches high. Second Early. Excellent quality. 25 cents per packet; 5 packets, \$1.00. Pea, Bliss' Ever-bearing-A perpetual bearer, yielding a full crop until frost; an excellent late variety, 18 to 24 in. high. Peas, 1 1/2 inches in circumference. Very productive. 25c per pkt.; 5 pkts, \$1.00. Pea, Bliss' American Wonder-The best and earliest variety grown. Very dwarf, excellent flavor. 20 cents per packet; 40 cents per pkt.; 75 cents per quart, post-paid. N. B.-These three varieties will give Peas the entire season until frost. Require no brushing. American Champion Water-melon-The best eating and best shipping melon grown. More productive than any other sort. 25 cts. per pkt.; 5 pkts, \$1.00. Cauliflower, Sea Foam-The best early variety; sure to head. 50 cents per packet. Rhubarb, Early Paragon-A new English variety. The earliest and most productive. Never runs to seed. Roots only for sale, 75 cts. each, post-paid. Pansy, Bliss' Perfection-The choicest strain yet produced. Our Gardeners' Hand-Book, for 1884, contains a beautifully colored plate of this magnificent variety. 50 cents per packet of 50 seeds. Carnation, Shakerpear-The finest ever introduced. Continue in flower the whole season. 50 cents per packet. Plants, 50 cents each. \$4.00 for the set of 9 varieties. Wild Garden Seeds-A mixture of 100 varieties of Flower Seeds. A packet will plant a square rod of ground. 25 cts. per packet; 5 packets, \$1.00. For other Novelties, see Bliss' Illustrated Novelty List, which describes the newest and choicest Flowers, Vegetables, Fruits, Cereals, Plants, etc. Mailed free. Bliss' Hand-Book for Farm and Garden. 350 Pages, 300 Illustrations. Beautiful colored plates. It tells WHAT, WHEN, and HOW to plant, and is invaluable to all interested in gardening or farming. Mailed for 6 Cents. Established 1843. B. K. BLISS & SONS, 34 Barclay Street, New-York.

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Relief for the People. NO BIG BROWN-STONE FRONT BETWEEN PRODUCER AND CONSUMER. NO FICTITIOUS VALUE. NO LIGHT WEIGHT. NONE BUT THE BEST. In order to introduce our new and improved seeds, we make the following unprecedented offer: 17 packets, over 8 ounces, including WELCOME OATS, by mail, post-paid, for 55 cents, far retail price, being \$1.50. On receipt of 55 cts. in postage stamps or money, we will send one pkt each of the following new and improved seeds:-Lazy Wives Beans, acknowledged by all to be the best bean that grows. Wilson's Improved Early Blood Turnip Beet. Early Oxheart Cabbage, earliest and best for family use. Early Green Cluster Cucumbers, good for pickles or cucumbers. Early Montana Sugar Corn, decidedly the earliest and sweetest sugar corn in the world. New Perpetual Lettuce, tender and crisp from spring until fall. Sealy Bark Watermelon, entirely new; large as the Cuban Queen; better quality; keeps good until Christmas. Honey Dew Green Citron, a native of the Sandwich Islands; the sweetest and finest-flavored musk melon in the world. New Italian Onion, mild flavor, grows from seed to weight 3 pounds. Improved Sugar Parsnips. Golden Dawn Mango, large, entirely sweet; most beautiful paper ever seen. Improved Early Long Scarlet Radish. Perfect Gem Squash, excellent flavor, good for summer or winter use. Livingston's New Favorite Tomato, the largest, earliest, smoothest, most solid, and finest-flavored tomato ever introduced. Early Strap-Leaf Turnip. Sample pack of the True Lentling Corn, and a two-ounce packet of GENUINE WELCOME OATS, which sold last season for 25 cents a packet; and from one 2-ounce packet were grown 4 1/2 pounds of fine oats, and from one single grain 70 large, full-headed stalks. IN ALL 17 PACKETS FOR 55 CENTS, OR TWO COLLECTIONS FOR \$1.00. A PROPOSITION To gladden the heart and brighten the way of 12 packets of choice flower seeds for 30 cents. every filler of the soil and lover of the beautiful. 12 packets of choice flower seeds for 30 cents. consisting of Astors, fine, mixed. Balsams, large double, mixed. Mignonette, new fine, mixed. Portulacaen. Phlox Drummondii, all bright colors. Sweet Williams, mixed, double. Verbena, 12 choice colors. New Ivy Leaf Cypress Vine, Zinnias, extra large, double, finest bright colors, in all 12 pkts for 30 cts., or two collections for 50 cts. Our Illustrated and Descriptive Catalogue accompanies each order. Address SAMUEL WILSON, Seed Grower, Mechanicville, Bucks Co., Pa. 67 Money Orders and Postal Notes payable at Doylestown, Pa.

Advertisement for Gregory's Seed Catalogue, featuring a large illustration of a seed packet and the text: 'NEW Vegetables A Specialty. GREGORY'S SEED CATALOGUE 1854-1884. My Vegetable and Flower Seed Catalogue for 1884, the result of thirty years' experience as a Seed Grower, will be sent free to all who apply. All my Seed is warranted to be fresh and true to name, so far that should it prove otherwise, I agree to refill orders gratis. My collection of vegetable Seed, one of the most extensive to be found in any American Catalogue, is a large part of it of my own growing. As the original introducer of Elliptic Beet, Burbank Potatoes, Marblehead Early Corn, the Hubbard Squash, and scores of other new Vegetables, I invite the patronage of the public. In the gardens and on the farms of those who plant my seed will be found my best advertisement. JAMES J. H. GREGORY, Seed Grower, Marblehead, Mass.'

Advertisement for Sibley's Seeds, featuring an illustration of a corn plant and the text: 'SIBLEY'S SEEDS. FOR ALL CLIMATES, ALL SOILS, ALL CROPS. 1884 CATALOGUE FREE. HIRAM SIBLEY & CO. Rochester, N.Y. Chicago, Ill.'

Advertisement for Andreth's Centennial Catalogue, featuring the text: 'ANDRETHS' CENTENNIAL CATALOGUE 1784 SEED 1884 CATALOGUE "GARDENERS' COMPANION." PRICE 10 CENTS. The most complete and brilliantly embellished Seed Catalogue ever published, costing fifteen cents. The article on Market Gardening under Glass is worth twenty times the price. This being OUR ONE HUNDRETH YEAR, we publish this Ornate Guide for Garden and Farm. To all sending us TEN CENTS in stamps, we mail a copy, and on orders for Seed will give credit for that amount. Address LANDRETH & SONS, Seed Growers, Lock Box, Phila, Pa.'

Beards.

Among the Romans it was considered a mark of disgrace to have the beard cut from the face. Many of the old patricians took their names from the color of the beard. The most esteemed color in the time of Cicero was the red beard. The longest beards are usually black or brown; the former color indicating energy, the latter mildness of disposition. A short, stiff, reddish beard denotes quick temper and irascibility. A thin beard denotes lack of physical stamina. A thick, short, black beard indicates business ability and decision of character. A straggling, thin beard quite often accompanies genius. Many of our poets are nearly beardless. Webster's beard was like porcupine quills. Swinburne, the poet, has a weak, boyish beard, that is anything but an ornament. Tennyson wears none. Students seldom have full, heavy beards. Notable exceptions are James Russell Lowell, Longfellow and Bryant. During colonial days few wore beards except priests and backwoodsmen. There have been several women who have most luxuriant beards. Boadicea, the ancient queen of Britain, had a long beard.

The Indians pluck out their beard, considering it a disgrace to bear one. Among the Wyandotte Indians the custom was when they took a pale face captive and wished to adopt him, they would pluck all the hair except the scalp lock, dipping their fingers in ashes so their hold would not slip.

Skinny Men.

"Wells' Health Renewer" restores health and vigor, cures Dyspepsia, Impotence, Sexual Debility. \$1

The total value of brick and tile made in the United States last year is estimated at \$34,000,000.

Gorged Livers and Gall, Biliousness, headache, dyspepsia, constipation, cured by "Wells' May Apple Pills." 10c. and 25c.

The average yield of corn per acre in 1883 was 28 1/2 bushels. The average of former years is about 26 bushels.

Remember that all fowls relish both skimmed milk and buttermilk, also that it is good for them.

PEACH, and all other kinds of Trees, &c., by the single one or Carload. 200 Acres; 50th year. Prices on list of stock you need. Testimonials from Customers, some of whom are of nearly Fifty Years standing, &c., free. STARK NURSERIES, Louisiana, Mo.

Russian Mulberry. We have our new circular for spring trade ready to mail free to all applicants at any time. It gives a short and brief history of same. Correspondence solicited. E. STONE & SON, Branch Valley Nursery, Peabody, Kas.

New STRAWBERRIES! New RASPBERRIES! Old and new varieties. Illustrated Catalogue, with hints on culture, sent FREE. Also, separate wholesale trade-list for dealers, including Irish and Sweet Potatoes. B. F. SMITH, Small Fruit Nurseryman, Lawrence, Kansas

Black Walnuts and Peach Pits in good planting condition. Red Cedars and Forest Tree Seedlings. The famous "Old Iron-Clad" Strawberry—hardest and best berry out. Prices reasonable. Write for catalogue. BAI, EY & HANFORD, (On Ill. C. R. R.) Makanda, Jackson Co., Ill.

100,000 Genuine Gregg Raspberry Plants FOR SALE. The most profitable Black Raspberry grown. Plants taken from fine, healthy, bearing plantations. Send for price list, and place your orders early. FRED EASON, Fruit Grower, Leavenworth, Kansas.

IMPORTANT TO TREE PLANTERS! We have a surplus of root grafts, in which there is about 60,000 Apple; about 20,000 peach on peach; about 2,000 plum on peach; about 2,000 quince; about 2,000 crab. All prime stock and of the best leading varieties, which we will sell in small lots at reasonable prices. Farmers, don't let this opportunity slip. For prices and all particulars, address W. S. COOPER & CO., Nurserymen, Topeka, Kansas.

8,000,000 Osage Orange Plants for the Spring of 1884. Also Apple Trees, and other Nursery Stock. BABCOCK & STONE, North Topeka, Kas.

PURE CANE SEED. Warranted to Grow. We have for sale EARLY AMBER, EARLY ORANGE and LINK'S HYBRID Cane Seed. This seed is pure, hand-picked, and selected from cane that yielded the largest amount of sugar. Each variety has been tested and not a seed failed to sprout. Price, 7 cents per pound. M. SWENSON, Sup't Kansas Sugar Refining Co., Hutchinson, Kansas.

ASK FOR HOPS & MALT BITTERS THE GREAT BLOOD PURIFIER Liver and Kidney Remedy, Compounded from the well known Curatives Hops, Malt, Buchu, Mandrake, Dandelion, Sarsaparilla, Cascara Sagrada, etc., combined with an agreeable Aromatic Elixir. THEY CURE DYSPEPSIA & INDIGESTION, Act upon the Liver and Kidneys, AND REGULATE THE BOWELS, They cure Rheumatism, and all Urinary troubles. They invigorate, nourish, strengthen and quiet the Nervous System. As a Tonic they have no Equal. Take none but Hops and Malt Bitters. FOR SALE BY ALL DEALERS. Hops and Malt Bitters Co. DETROIT, MICH.

BUY Northern Grown SEEDS For Garden and Farm Fresh, pure cheap. F. K. PHENIX, 100,000 and ROSSES Cat. free. A. A. SALZER, LaCrosse, Wis.

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SEEDS SENT FREE. A beautiful Illustrated Seed Catalogue given away. Market gardeners send for wholesale price list for you. Our prices are LOWEST of ALL. Our TESTED seed are the best. Send for Catalogue and SAVE MONEY. Try us. ALNEER BROS., Rockford, Ill.

SEEDS For the GARDEN.—All new and choice varieties, fresh and tested. For the FARM.—Best list of Seed Corn, Oats, and Potatoes ever offered by any house; new and standard varieties. Our Plant, Small Fruit, and Implement Lists are complete. Send for new Catalogue, free to all; it will prove valuable to you. Address, plainly, EDWARD P. CLOUD, Kennell Square, Chester County, Pa.

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BURPEE'S WELCOME OATS



As claimed by us last year, the WELCOME OATS have proved, beyond all doubt, to be the heaviest, handsomest and most productive variety ever introduced. To award the prizes for the largest yields and the best heads was such a difficult task, that it was necessary to call upon some disinterested and well-known judges. Dr. GEORGE THURBER, Editor of The American Agriculturist, was selected to act as Chairman of the Committee, and by his report it will be seen that Ten and three-fourths measured bushels, weighing Four hundred and seventy-three and one-half pounds (473 1/2 lbs.), were raised from one two-ounce package of the Oats. That 7676 ounces of clean Oats could be raised from two ounces of seed would certainly be beyond question. IMMENSE PRODUCTIVENESS OF THE WELCOME OATS is exhibited by their wonderful stooking (often 40 to 55 stalks from a single grain), the great size of the heads, and the heavy weight of the grain. The accompanying illustration represents a single stool of 76 stalks grown from one seed. THE WELCOME OATS grow 5 to 6 feet high, with strong, straight straw, well-supporting the enormous heads, and not prostrated by wind or rain. The heads are very large, branching freely on all sides, and from sixteen to twenty-three inches in length. The grain is remarkably large and handsome, very plump and full, with thin, white, close-fitting husks, and weighs 47 to 51 1/2 pounds per measured bushel. No improved variety of grain ever introduced has had such strong testimony as to its superlative merit. Everyone sowing the WELCOME OATS this season can certainly feel assured that they are by all odds the best and Most Productive Variety in the World. Their uniform success in every part of the country proves their general adaptability to our varied climate, while their early maturity renders them especially valuable. They ripen a week to two weeks ahead of other Oats, and on this account yield splendid crops, even in the extreme South. Every Farmer and Planter will want the WELCOME OATS, and those who purchase this season will be able to dispose of their entire crop for seed, at high prices.

PRICES: Peck, \$3.00; Bushel (32 lbs.) \$10.00. Each peck and bushel bag is secured by our Lead Seal and warranted to contain genuine WELCOME OATS, if the seal is unbroken. Every purchaser is entitled to compete for \$600 IN CASH PRIZES FOR 1884

We desire to ascertain the heaviest yield that can be produced from one bushel of WELCOME OATS. Even those who do not win a prize will be more than repaid for any extra cultivation, by the increased yield and the high prices sure to be obtained for these oats, for seed. \$400 FOR LARGEST YIELDS FROM ONE BUSHEL. 1st Prize, for the largest quantity raised from one bushel of seed, \$100. 2d, \$50. 3d, \$25. 4th, 5th and 6th Prizes, each \$50 cash; 7th and 8th Prizes, each \$25. \$120 FOR LARGEST YIELDS FROM ONE PECK. 1st Prize, \$50; 2d, \$25; 3d, \$20; 4th, \$15; 5th, \$10. \$80 IN PREMIUMS FOR THE BEST HEADS OF OATS. 1st Prize, for the heaviest and best six heads, \$25; 2d, \$20; 3d, \$15; 4th and 5th Prizes, \$10 each.

The WELCOME OATS (except small lots by mail), are sold only in sealed bags, containing one peck (price, \$3.00), and one bushel (price, \$10.00). In each bag is an envelope, containing a competition card, bearing our fac-simile signature, which entitles the purchaser to compete for the bushel or peck prizes, as the case may be, and for the prizes on heads. CAUTION.—The wonderful yields, fine quality and universal success attending the introduction of BURPEE'S WELCOME OATS, may induce unprincipled parties to palm off other oats for WELCOME. We send out no travelers to sell these Oats at retail; but we allow agents and clubs a discount in lots of five bushels or five pecks—each bushel and each peck, however, in put up in sealed bags, with our name on the leaden seal. Please examine this before purchasing from any unknown parties. LARGE ILLUSTRATED POSTER and circular combined, telling all about THE WELCOME OATS, with all the Prize reports and many testimonials, together with Burpee's Abridged Catalogue of New and Standard SEEDS will be sent FREE to any address. BURPEE'S Complete Farm Annual, with superb colored plates, hundreds of illustrations, &c., the best book of the kind published, free to customers; to others, price 10c. Address plainly



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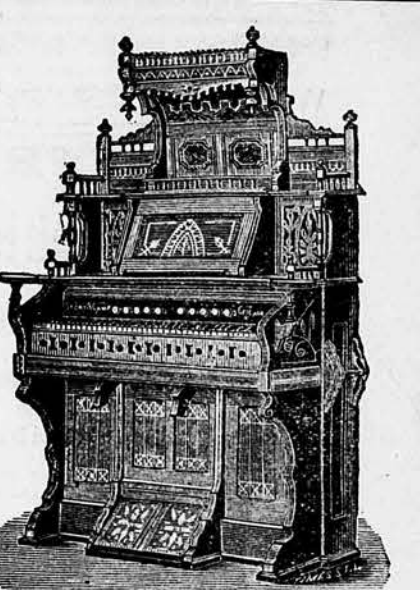
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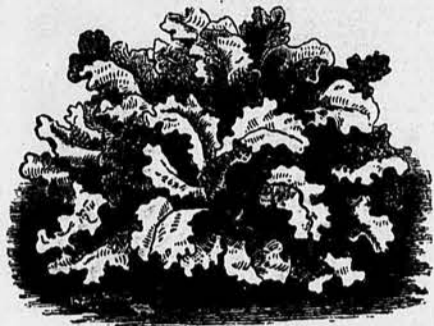
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Of course you do, as you cannot afford to waste your labor on poor seeds, or those you are not SURE of.



We have always told the people of the New West through our publications that our Seeds would give them the best satisfaction, and we publish below a few of the many hundreds of letters we have received from our customers who have used them for years, to show what OTHERS say about them. If YOU have not used them, send us a trial order and you will never have any other. Annual Priced Catalogue sent FREE.

These customers represent hundreds who have used our Seeds:

LOUISBURG, KAS., Aug. 7, 1883.—T. R. & A.: In regard to the garden seeds bought of you, will say I have been using them for five years and find them good and give good satisfaction. Respectfully, W. A. WILLIAMS.

MANKATO, KAS., Aug. 6, '83.—T. R. & A.: We have handled your seeds for two seasons; find them fresh new seed and true to name, giving good satisfaction. Respectfully yours, C. MCCARTY & BRO.

WESTON MO., Aug. 6, '83. T. R. & A.: Your seeds gave my customers universal satisfaction I never heard one single complaint, and this is more than I can say for any other seeds I ever handled. After a year's handling of seeds for the past nineteen or twenty years, I am only sorry that I have not a more extensive seed trade than I have, as I would certainly push your seeds, for the reason I like to handle goods that give satisfaction. Yours respectfully, W. R. KELLER.

SEDGWICK CITY, KAS., Aug. 8, '83.—T. R. & A.: I have sold your seeds for the past two years. They give entire satisfaction to myself and customers; to myself because they sell well on your representation, to my customers because they are reliable and good. I hope to be able to get them next year. Yours, S. W. SHATTUCK.

LAS VEGAS, N. M., Aug. 9, '83.—T. R. & A.: Have found them good and satisfactory. Yours respectfully, BROWN & MANZANARES.

WILLIAMSBURG, KAS., July 28, '83.—T. R. & A.: The garden seed we purchased of you this past season has given entire satisfaction. We have not heard of any of the seed that did not come up, and all have yielded well. We expect to handle them again next season. We consider them to be as represented, equal to any in the market, and much superior to seeds put up and sold in packages. Yours truly, CRAIK & WILSON.

FALLS CITY, NEB., Aug. 6, '83.—T. R. & A.: Have found your seed first-class in every respect. Our customers have been well satisfied and we like to handle them better than the unreliable seeds in papers. Yours, W. W. WARDELL.

HARPER, KAS., Aug. 18, '83.—T. R. & A.: Have sold your seeds for three years. Have always found them to be just what you represented them to be, fine and true to name; and in fact, most of the farmers will buy nothing else. Very truly yours, WILSON & BAUMSTARK.

LATHROP, MO., July 30, '83.—T. R. & A.: In the three years we have handled your garden seeds, there has not been a complaint, except when it was destroyed by drouths or dashing rains. We have the very best report from those who have used the seed. If you continue to sell good, prime, fresh seed, you will capture the trade. Yours truly, D. S. BRITHART & CO.

P. S.—We have numerous instances where parties bought seed else where and did not grow, and then bought seed of us and invariably they grew; so they report it. Yours truly, D. S. B. & CO.

OSAGE MISSION, KAS., July 27, '83.—T. R. & A.: Duty to you requires us to say that the seeds we bought of you gave perfect satisfaction in every particular: were considered the only strictly reliable seeds sold in this town the last season. It gives us pleasure to make this statement. Truly yours, CHAS. C. COFFINBERRY & SON.

ARROW ROCK, MO., July 20, '83.—T. R. & A.: The garden seeds I bought of you gave entire satisfaction. All came up and gave entire satisfaction to my customers; better than seeds they have been buying east and using of the paper commission seeds. Keep up your standard and your seeds will take the day here. Your field seeds also gave good satisfaction. ANDREW CLARK.

WINDSOR, MO., Aug. 6, '83.—T. R. & A.: I have handled your garden seeds for the last two seasons, and have found them entirely satisfactory in every instance, having heard no complaints but many commendations. Have always found them fresh and true to name. Very respectfully yours, P. STAIR.

SHERMAN, TEX., Aug. 12, '83.—T. R. & A.: I take pleasure in saying your seeds have given entire satisfaction. I guaranteed them to my customers, and upon inquiry find they were in every instance as represented. Yours respectfully, J. R. COLE.

BUTLER, MO., July 27, '83.—T. R. & A.: Your garden seeds give our customers entire satisfaction. We are well satisfied as to quality of seed. We have handled your seeds more or less for the last five or six years. Yours truly, BENNETT & WHEELER.

NEWTON, KAS., July 26, '83.—T. R. & A.: Your seeds have given great satisfaction. I tried them in my own garden, and they all did well. Yours truly, L. BECKER.

SENECA, KAS., Aug. 15, '83.—T. R. & A.: We are pleased to be able to say that the garden seeds we purchased of you last spring have given universal satisfaction. Yours truly, SCRAFFORD & FORD.

BURLINGAME, KAS., July 26, '83.—T. R. & A.: Our customers are well satisfied with your seeds; have praised them much. We will sell much more next season than the past. Respectfully yours, BEVERLY & ALDRICH.

MOUND CITY, KAS., Aug. 6, '83.—T. R. & A.: We have handled both your garden and field seeds for the past four years, and have always found them first class in every particular. Yours truly, VAN BUSKIRK & SMITH.

PEABODY, KAS., Aug. 16, '83.—T. R. & A.: I have handled your garden and field seeds for several years, and they have given the best of satisfaction. Yours respectfully, C. W. BRAGUNIER, Dealer in General Merchandise.

SALISBURY, MO., July 17, '83.—T. R. & A.: We liked the seeds bought of you this season, very well. No complaints from any of our customers. Several parties bought of us, after planting several times, seeds bought of other parties, without success, and found our seeds all right. We think another season we will do a good business selling bulk seeds; as this was a new method to our people, this year, they were slow to "catch on." Yours truly, HUTCHINSON & DAVIS.

Large Stocks of CLOVER, ALFALFA, TIMOTHY, BLUE GRASS, ORCHARD GRASS, ENGLISH BLUE GRASS, RED TOP, MILLET, HUNGARIAN, &c., all New Crop and Reliable. Address

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WANTED—A Practical Vegetable Gardener. Grounds, utensils and transportation furnished. Apply to J. V. Randolph, Emporia, Kas.

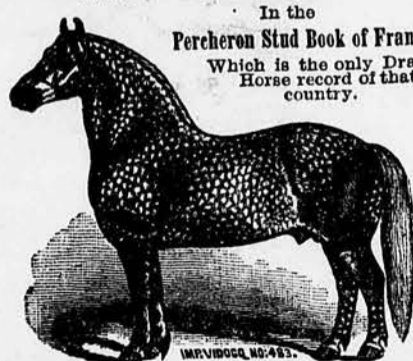
FOR SALE—Three pairs of pure Bronze Turkeys. W. Guy McCandless, Cottonwood Falls, Kas.

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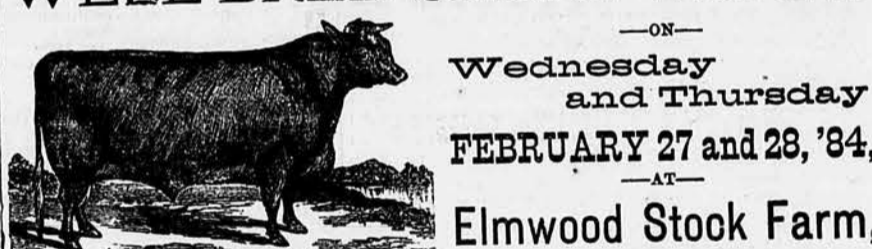
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