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BREEDERS' DIRECTORY.

Cards of four lines or less, will be inserted in the Breeders' Directory for \$10.00 per year, or \$3.00 for six months; each additional line, \$2.50 per year. A copy of the paper will be sent to the advertiser during the continuance of the card.

HORSES.

M. D. COVELL Wellington, Kas., breeder of Registered Percherons. At head, Bucentaure 2878 (1097), imported by Dunham, and half-brother of his Brilliant 1271 (755). Finely-bred colts a specialty. The best my motto.

PROSPECT STOCK FARM.—Registered, imported and high-grade Clydesdale stallions and mares for sale cheap. Terms to suit purchaser. Two miles west of Topeka, Sixth street road. H. W. McAfee, Topeka, Kas.

CATTLE.

VALLEY GROVE HERD OF SHORT-HORNS.—For sale choice young bulls and heifers at reasonable prices. Call on or address Thos. P. Babst, Dover, Kas.

L. A. KNAPP, BREEDER, MAPLE HILL, KAS. SHORT-HORN CATTLE AND BUFF COCHIN POULTRY FOR SALE.

400 COWS, PURE-BRED HEREFORDS—Headed by Fortune 2080, Sir Evelyn 9650, Cheerful Boy 20629, Dewsbury 21 18977, and others. Car lots and young herd a specialty. Jno. A. Moore, 561 and 563 Grand Ave., Kansas City, Mo.

T. M. MARCY & SON, Wakarusa, Kas., breeders of registered Short-horn cattle, have now for sale at a bargain twenty bulls, 18 to 22 months old. Carload lots of heifers or cows a specialty.

JERSEY CATTLE—A. J. C. C. Jersey Cattle, of noted butter families. Family cows and young stock of either sex for sale. Send for catalogue. C. W. Talmadge, Council Grove, Kas.

HOLSTEIN-FRIESIAN CATTLE—Are undoubtedly the most profitable for the general farmer and the dairyman. I have them for sale as good as the best at very low prices. Farm four miles north of town. Buyers will be met at train. H. W. Cheney, North Topeka, Kas.

ENGLISH RED POLLED CATTLE.—Young stock for sale, pure-bloods and grades. Your orders solicited. Address L. K. Haseltine, Dorchester, Greene Co., Mo. [Mention Kansas Farmer.]

MAPLEDALE HERD—Of Short-horns. Good cattle with reliable breeding. Acklam White-bury 95387 heads the herd. Some choice stock of both sexes for sale. Write for what you want. C. B. CRUMPACKER, Washington, 1905.

GEO. M. KELLAM & SON, breeders of GALLOWAY CATTLE. Have for sale now eight thoroughbred bulls, from 6 to 16 months. Also bred Hambletonian and Morgan horses. Highland, Shawnee Co., Kas.

CATTLE AND SWINE.

E. L. LEMENT, Albion, Marshall Co., Iowa, breeder of Poland-China swine and Short-horn cattle. Only good pigs shipped. Prices reasonable.

J. H. TAYLOR, Pearl, Dickinson Co., Kas., SHORT-HORNS, Poland-Chinas and Bronze turkeys.

CATTLE AND SWINE.

W. W. WALTIRE, Carbonate, Kas., breeder of Short-horn cattle and Chester White hogs. Have bred them for eleven years in Kansas. Young stock for sale. Pedigrees furnished. Light Brahms chickens.

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HOLSTEIN-FRIESIAN M. H. ALBERTY, Cherokee, Kansas, CATTLE & POLAND-CHINA SWINE. Stock for sale. Prices reasonable. Stock as represented.

SWINE.

T. C. TAYLOR, Green City, Mo., has fifty head of registered Poland-China pigs for this season's trade at farmers' prices. Inspection of stock and correspondence desired.

F. G. HOPKINS & SON, St. Joseph, Mo., breeders of choice Poland-China and Small Yorkshire swine. Inspection solicited. Satisfaction guaranteed. Breeders all recorded. Stock for sale.

ASHLAND STOCK FARM HERD OF THOROUGHBRED POLAND-CHINA hogs, contains animals of the most noted blood that Ohio, Indiana and Illinois contains. Stock of both sexes for sale sired by Bayard No. 4698 B, assisted by two other boars. Inspection of herd and correspondence solicited. M. C. Vansell, Muscotah, Atchison Co., Kas.

BLUE VALLEY STOCK FARM.—H. C. Stoll, Beatrice, Neb., breeder of Poland-China, Chester White, Small Yorkshires, Essex and Jersey Red swine. A choice lot of pigs for sale. State what you want. All inquiries answered.

MAINS' HERD OF POLAND-CHINAS.—James M. Mains, Oskaloosa, Jefferson Co., Kas. Selected from the most noted prize-winning strains in the country. Fancy stock of all ages for sale.

REG'D ENGLISH BERKSHIRE HOGS Farmers' prices. Inspection solicited. Address E. I. Crowell, Topeka, Kas., breeder and shipper.

V. B. HOWEY, Box 103, Topeka, Kas., breeder of Thoroughbred Poland-China and English Berkshire swine. Stock for sale. Also fancy poultry eggs: \$1.25 for 18; \$2 for 24.

TOPEKA HERD OF LARGE BERKSHIRES.—Fine weanling pigs, boars ready for service, and young sows at reasonable prices. Write. H. B. COWLES, Topeka, Kas.

A. K. SERCOMB, Paton, Iowa, breeder of DUMOC-JERSEY SWINE. West Star at head of herd. Let me hear from you.

HOGS Duroc-Jerseys. Best prize stock for sale. C. J. STUCKRY, ATLANTA, ILL. PIGS

H. E. GOODELL, Tecumseh, Shawnee Co., Kas., breeder of thoroughbred Berkshire swine. Stock for sale, both sexes, at reasonable prices. Write for what you want.

G. A. B. HERD.—Jas. Purcell, Piqua, Woodson Co., Kas., breeder and shipper of registered Poland-China swine of the most fashionable strains. Herd consists of 150 head. Can supply show pigs or sows bred, as desired. Correspondence invited.

SWINE.

CREAM RIDGE HERD OF POLAND-CHINA and Chester White swine and Merino sheep. Also Bronze turkeys and Light Brahms chickens. Choice stock at reasonable prices. Address J. G. Cassirer, 4500 S. China, Livingston Co., Mo.

JOHN KEMP, NORTH TOPEKA, KANSAS, Breeder of Improved CHESTER WHITE SWINE. Stock for sale.

80 CHESTER WHITE, 50 Berkshire hogs, 10 Beagle pups, 20 Shropshire sheep, 100 M. B. turkeys bred from prize-winning males. Write what you want. Stock for sale. M. E. Charles, Kelton, Ia.

PLEASANT VALLEY HERD OF POLAND-CHINA swine, George Lewis, proprietor, Neodesha, Kas. second to none in the West. Write for what you want.

REGISTERED IN SHIPPER'S LIST. Pigs, either sex, in best show sows. Particulars in China, Portoria, Ohio.

IVERG STERILIZED CHINA SWINE. China swine, all bred. Write for particulars. Steele

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ROME PARK HERD OF POLAND-CHINA and Large English Berkshire hogs are composed of the best blood in the U. S., with style and tuff. Show pigs a specialty. Twelve high-grade hogs, one and two years old, red and roan.

M. B. KEAG, Topeka, Kas., English Berkshire the best family. Fifty hogs season's trade. Plymouth Rock and S. C. B. Lehighers geese, Pekin ducks. Birds and eggs in season and correspondence invited. Mention Kansas Farmer.

KAW VALLEY HERD OF FANCY POLAND-CHINA.—Kaw Chief at head, assisted by Glory and Dock's. Choice with modest but great of pleasure. It is three finer boars, Kas owned by one man in the West. Come and see and you will know whether are just. One hundred pigs for season's trade on or address M. F. TATMAN, Ross

STICKNEY No. 759.

One of the stock rams in use at Meadow Brook farm, Burlington, Coffey county, Kansas. Bred by J. T. Stickney. Owned by E. D. King and L. E. Shattuck.

Second fleece, 24 pounds; third fleece, 32 pounds; weight, 172 pounds. All shorn in public. Sire J. T. S. 686, by Wall Street. Dam by Stickney 146.

Winner at Illinois State Fair of 1890 of first prize in class, also sweepstakes for best ram of any age, and first prize for ram and flock of ewes at same fair. Also winner at Kansas State Fair of 1891 of first premium on two-year-old ram and sweepstakes.

E. D. KING, Prop'r Meadow Brook Farm, Burlington, Kas.

SWINE.

T. T. TROTT, Abilene, Kas.—Pedigreed Poland-China and Duroc-Jerseys. Of the best. Cheap.

POULTRY.

C. BROWN LEGHORNS EXCLUSIVELY.—The leading place for Leghorns in the West. 14 eggs for \$1. A \$4 order gets a Poultry Monthly. Circular free. Stamp for reply. Belle L. Sproul, Frankfort, Kas.

SHAWNEE POULTRY YARDS—No. G. Hewitt, Prop'r, Topeka, Kas., breeder of leading varieties of Poultry, Pigeons and Rabbits. Write for sale. P. Cochins a specialty. Eggs and fowls.

BERT E. MEYERS, Wellington, Kas., breeder of B. Langshans, B. Minoras, Bronze Turkey, Pekin Ducks, V. White Guineas. Young stock for sale. Birds score from 93 to 99 by Emery. Mention Kansas Farmer.

LANGSHANS FOR SALE.—I have several hundred first-class Langshan chicks, and will be able to furnish birds for the fall and winter fairs. In the meantime, I offer to sell the greater part of the present breeding stock at one-half of former prices, as I am overstocked and must make room. I have taken all of the best prizes at Lincoln, Omaha, Kansas City, Topeka and Emporia, and have exhibited more birds than any competitor and have over fifty score-cards ranging from 90 points to 96, and only six lower than 92, and have the judgment of five experts, viz.: Roberts, Pierce, Hitchcock, Hewes and Emery. If you want a single bird, a pair, trio or breeding pen of the finest Langshans on earth, state what is wanted and write at once for prices. Everything guaranteed as represented. Address T. C. Deamer (successor to D. Q. Diven), Topeka, Kas.

EMPIRE POULTRY YARDS.—L. E. Fixley, Emporia, Kas., breeder of Wyandottes, B. B. Games, P. Rocks, B. and W. Leghorns, Buff Cochins and Pekin Ducks. Eggs and birds in season. Write for what you want.

MISCELLANEOUS.

AUTOMATIC STOCK-WATERER.—Send for full descriptive circular to the manufacturers. Perry & Hart, Abilene, Kas. Mention Kansas Farmer.

SHROPSHIRE SHEEP.—You can buy high quality Shropshires of the highest breeding and Hereford cattle of Will T. Clark, Monroe City, Mo., located on H. & St. Joe and M., K. & T. R. R.

E. L. TREADWAY & SON, Farmersville, Mo., breeders of registered Percheron horses, Poland-China hogs and Merino sheep. Fifty hogs, 50 ewes and 75 head breeding pigs for sale at lowest prices for first-class stock.

LIVE STOCK AND CITY AUCTIONEER.—Capt. A. J. Hungate, corner Sixth and Jackson streets, Topeka. Has forty years experience, and will make public sales anywhere in Kansas. Call at office or write.

ROBE-LAWN KENNELS AND POULTRY YARDS.—F. H. Vesper & Sons, Topeka, Kas., breeders of thoroughbred St. Bernard dogs. Puppies for sale. S. C. Brown Leghorn, B. F. Rock, Light Brahma and Game chickens. Stock and eggs for sale in season. Send stamp for circular.

DR. S. C. ORR, VETERINARY SURGEON AND DENTIST.—Graduate Ontario Veterinary College, Canada. Veterinary Editor KANSAS FARMER. All diseases of domestic animals treated. Ridging castration and cattle spaying done by best approved methods. Will attend calls to any distance. Office: Manhattan, Kas.

Agricultural Matters.

DIRECTIONS FOR MAKING SORGHUM MOLASSES.

The United States Department of Agriculture, in a recent bulletin, gives the following directions for manufacturing sorghum molasses:

"The sorghum canes, properly stripped of leaves and with the seed tops removed, are passed through a mill adjusted to extract as large a percent. as possible of the juice. A first-class, three-roller horse mill, properly adjusted, will extract from sixty to sixty-five pounds of juice from each one hundred pounds of clean cane. In case the molasses shows a tendency to granulate, the cane should be cut and allowed to lie in the field three or four days before being worked. If the molasses does not show any tendency to granulate, it is best to have the cane worked as soon as possible after harvesting.

"As soon as the juice is expressed, it should be treated with cream of lime, which has been thoroughly strained so as to contain no large lumps of undissolved lime. In a tank of convenient size, two-thirds filled with juice, the cream of lime should be added, little by little with stirring so as to incorporate it thoroughly with the juice. As the point of neutrality is reached, the juice will show a large amount of flocculent matter and will slightly change in color, passing from green to amber color. Care must be taken not to add an excess of the cream of lime, the result of which would be a darkening of the molasses. The proper point may be soon learned by experience, it can also be determined directly by litmus test paper. The blue litmus paper should be used. When this blue paper is placed in the natural juice, it will turn to light red. As the point of neutrality is reached the change of color in the litmus paper becomes less and less pronounced and when it is distinctly purple it shows that the proper amount of lime has been added. If too much lime be added the paper will not change in color at all or be made more distinctly blue. Litmus paper can be obtained from any well equipped drug store.

"A very excellent article of molasses is made by adding to the juice, treated as above, some bisulphite of lime. This bisulphite of lime is made by passing the fumes of burning sulphur into cream of lime until it is saturated. The addition of the bisulphite of lime makes the juice again acid, but tends to produce a molasses of a much lighter color than can be made without it. Excellent molasses, however, of a somewhat darker color can be made without the use of the bisulphite of lime. A good article of molasses of light color can also be made without adding lime, and molasses made in this way is exceptionally good for baking purposes.

"The juice, after treatment with the lime or with the lime and bisulphite of lime, or with the bisulphite of lime alone should be placed at once in a tank and rapidly brought to the boiling point. It should, however, not be allowed to boil, but when the scum, which is formed over the top, begins to show signs of breaking the heat should be withdrawn and the blanket of scum carefully removed. The heat may then be again applied until all the green scums have been entirely separated. The purified juice should now be reduced, as rapidly as possible, to the consistency of molasses. This is best done in some form of continuous evaporator based on the old-fashioned Cook evaporator, in which the purified juice constantly runs in at one end of the evaporator, passes back and forth across it, and the finished molasses runs out at the other end. The more quickly this evaporation can be accomplished the better for the molasses.

"When the molasses runs from the

evaporator it should be cooled as quickly as possible and should never be placed in barrels until it has almost reached the ordinary temperature of the air.

"These directions are only of a general nature and it requires a large experience to be able to produce always a first-class article of molasses."

Cutting Up Corn.

As the time is now at hand for the cutting up of corn fodder, we publish the following suggestions from "Uncle Andrew," clipped from the columns of the *Journal of Agriculture*:

"One trouble with a majority of the farmers is, they do not cut up corn until it is too dry to make good fodder. My experience is, that the best time is as soon as the husk is one-third dry. My way is to have the shocks fourteen hills square, unless the corn was very light or very dry. As it is liable to mold, tie the gallus in the center of the proposed shock if the hills are good stout ones; I always insist on having good stout hills for gallus hills; would rather have the gallus at one side than make it of weak stalks. Commence at, we will say, the southwest corner of the proposed shock; facing north, cut two rows north till even with the gallus, then turn east with one row, and set up the load thus gathered on the west side of the gallus; then go to the northeast corner facing south, cut two rows south till even with the gallus, then one row west to the gallus, setting it up on the east side; then go to the northwest corner, facing east cut two rows east till even with the gallus, then one row south to the gallus, setting it up on the north side; then go to the southeast corner, facing west cut two rows west till even with the gallus, then north with one row, setting it up on the south side; then back to the southwest corner, cutting same as before but setting up the load on the southwest corner of the shock, then to the northeast corner setting up on the northeast corner of the shock. Do likewise with the other two corners, then there will be just one load for each side. Set up the one on the southwest on the west side; the one on the northwest on the east side; the one on the southeast on the south side; then the shock is well balanced. In setting up be careful to not set it up too straight, but set it up slanting enough to pint up well at the top; then it will turn rain. I never tie the shock; if they are put in this way they do not need tying and it saves time, which is of some value at this time of the year. In my experience of three years with fodder taken care of in this way, I have not lost any more than those that tie the shocks.

"The first damp spell that comes after the fodder has sufficiently cured, I haul out my fodder and corn all together; I never haul it out when it is very wet as it will cause it to rot. I set it up in winrows, running east and west, that are about four feet broad at the top; I then place the butts of the fodder on top of the winrow near the center, letting the tops hang down on the south side; then place the fodder the same way on the north side, only let the butts extend about six inches above the outs on the other side. This will make a good roof for sheltering the fodder. Then husk out all the ears you can see on the outside to keep the chickens from scratching the fodder and wasting the corn. Never husk out the fodder in the field, as it necessitates traveling over the ground twice while it is wet. Another great drawback is, when hiked in the field, the fodder is generally laid flat down in the field and the corn in a scattered heap, and both left to await the good pleasure of the very busy farmer. The result is, one or both generally take two or three soaking rains. The corn is then nearly rotten and the fodder is about as palat-

able to stock as rotten wood, and contains very little more nutriment. When it is all hauled in together, it can be husked out at 'odd spells,' the corn hauled to the crib and fodder winrowed in the same way as before. Some of my neighbors have considerable trouble to get their stock to eat fodder that is husked in the field. With me, the trouble is to get enough of it for my stock to eat, as my mules and cattle prefer it to good timothy hay."

A Good Use of Flax Straw.

After experimenting over two years, the inventors of fiber-ware reached satisfactory results, and there are now being manufactured by the Standard Fiber-Ware Co., of Mankato, Minn., flax fiber pails, wash basins, and numerous other articles of household convenience. They are light, strong, handsome and clean. The wash basins do not rust out nor slip from the fingers and break. The water pails, in the language of those who use them, are the "only pails fit to hold drinking water." The dairy pail will not taint milk, get sour, or need scouring. The slop jars never lose their paint or decorations like tin, or break like crockery. The spittoons are serviceable and easy to clean. The inside finish is paint (without white lead) or Japan finish, according to the use it is to be put to. The outside finish is such as to suit all tastes, in colors and decorations. All paints, japans, copals and decorations baked on to stay. The process of manufacture starts with raw tow from the Dakota prairies, passes through the beaters, bleach tubs, pail machine, presses, calenders, trimmer, corrugator, bottomer, hooper, the intensely hot water-proofing bath, the bakings and rebakings, of water-proofing, paints, japans decorations, and copals, all of which unite to make ware with a body and a finish that is practically perfect.

Ask your dealer to show you a Standard Fiber-Ware dairy pail.

\$100 Reward. \$100.

The readers of the KANSAS FARMER will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh. Hall's Catarrh Cure is the only positive cure now known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its active powers that they offer One Hundred Dollars for any case that it fails to cure. Send for list of testimonials.

Address F. J. CHENEY & Co., Toledo, O.
Sold by druggists, 75 cents.

Farmers, Read This!

LOST HALF PACKAGE—And the other half cured two hogs.

MR. G. G. STEKETEE, Proprietor Steketee's Hog Cholera Cure:—I received one package of your Hog Cholera Cure for worms. One-half of it was gone when I received it. I had two hogs that could not stand on their hind feet; after feeding what remained in the package they were all right.

MARTIN CONNERY,
P. O. Box 132, Farley, Iowa.

And who will say that this remedy is expensive?

For sale by all druggists and dealers.

Hints to Farmers and Stockmen.

This valuable treatise will be sent free to all who send for it. Read it, and save your hogs and poultry from disease. Address NATIONAL STOCK REMEDY Co., Columbus, Ohio.

Farm Loans.

Lowest rates and every accommodation to borrowers on good farm loans in eastern Kansas. Special rates on large loans. Write or see us before making your renewal.

T. E. BOWMAN & Co.,
Jones Building, 116 W. Sixth St., Topeka.

A LIFE NOT WORTH LIVING.

The Dreadful Condition Which the Poison Malaria Can Produce.

A Short History of a Victim of Chronic Chills and Fever.

Extract of a Lecture by Dr. Hartman, of Columbus, Ohio.

The terrible consequences of chronic malaria in some cases is hard to describe and impossible to exaggerate. There is a class of invalids which have become actually bed-ridden from chronic malaria. These poor creatures continue year after year to linger on the verge of death, hardly living, yet not dying.

One of this very unfortunate class was brought on a stretcher to my rooms not long ago. The patient was a lady scarce middle aged, but her long-continued sickness had so shriveled and emaciated her that she had the appearance of a woman eighty years old. She gave me her history in as few words as possible, as she was too weak to talk much.

Fifteen years previously she had been taken with fever and ague. At once physicians were employed, who gave her the usual remedies, quinine being the principal one. Physician after physician were employed, who sometimes were able to break her chills for a time, but they would invariably return, reducing her a little more each time. In desperation she had resorted to every school of medicine, until, in complete discouragement, she had given up employing physicians and had taken quinine regularly ever since. At the time she was brought to me she was obliged to take very large doses of quinine several times each day, as it had become an inveterate habit with her, and yet she continued at irregular intervals to have chills and fever.

I examined her carefully, and in addition to the extreme weakness and emaciation to which she was reduced, the function of every organ in her body was more or less perverted. Her stomach was weak, scarcely able to take any nutrition, liver enlarged, spleen enlarged and tender, bowels constipated, kidneys inflamed, uterus congested, bladder and urethra irritable, and painful external piles. These derangements were partly due, no doubt, to her protracted confinement to the bed, but in a greater measure due to the use of quinine and the inevitable derangements of chronic malarial diseases.

But the derangements of her nervous system was still worse to bear than all her other troubles. The slightest noise or jar in the room produced an uncontrollable spasmodic paroxysm of the muscles and pain in her head. Every nerve in her body seemed to be on the highest possible tension, quivering and sensitive to the last degree. The tenderest touch would cause her to cry out with pain in spite of all the self-control she was capable of. Her mind was perfectly clear and her intellect much above the average person.

I select this particular case for description because it is so characteristic of the condition that a chronic case of ague will produce—cases to be found by the hundreds in any malarious section of the country. For this lady I prescribed Peruna and Man-a-lin in doses according to the directions on the bottles, assuring her that if she would faithfully continue their use they would entirely cure her.

A few weeks afterward I received a report from her that she was rapidly improving, and to-day she is fully recovered, and, according to her own statement, is as well as ever in her life. She quit the use of quinine when she began my treatment, and took no medicine but Peruna and Man-a-lin until her recovery was complete.

For a complete treatise on Malaria, Chills and Fever and Ague, send for The Family Physician No. 1. Sent free by The Peruna Medicine Co., Columbus, Ohio.

Special Offer.

We have special arrangements with the publishers of the Weekly *Capital*, the official State paper, a large 12-page weekly newspaper with full dispatches and State news, price \$1. We can supply both the *Capital* and the KANSAS FARMER one year for only \$1.50. Send in your orders at once.

Send for catalogue and specimens of penmanship. Topeka Business College, 521 and 523 Quincy St., Topeka, Kas.

Attend the Topeka Business College, 521 and 523 Quincy St., Topeka, Kas.

The Stock Interest.

THOROUGHbred STOCK SALES.

Dates claimed only for sales which are advertised or are to be advertised in this paper.

SEPTEMBER 29-30—Robert Rounds, second annual sale of Poland-Chinas, Morganville, Kas.

ANNUAL MEETING OF SHEEP MEN.

The Kansas Sheep Breeders and Wool Growers' Association held a rousing meeting last Wednesday evening, September 16, at the club rooms of the Copeland hotel. There was much more interest and enthusiasm manifested than for several years, clearly showing that the sheep industry in Kansas is now a permanent branch of the animal industry.

The meeting was called to order by President King, who called for the reading of the minutes of the last meeting, after which he delivered the annual address which, substantially, is as follows:

The year that has passed since last we met has been a reasonably prosperous one to the farmer. The country has harvested the largest crops in our history, and they have come at a time when the old world needs it all, and at good prices. The sheep man who has staid by his flocks has been rewarded with good prices for his surplus breeding stock, has harvested a good lamb crop and a good wool crop, and though the low prices ruling for wool abroad and the general financial stringency have contributed to keep the price below what we had expected to receive, the outlook now is decidedly for the better. The manufacturer has had good sales for his product and at fair prices, and with the return from Europe for our breadstuffs of the gold which left us last spring, we can reasonably look for better prices for wool. I believe it is excellent property at present prices. The return of prosperity to the farmer will lead to the establishment of many new flocks, for the farmers of Kansas are beginning to realize that they can put nothing upon their farms which will convert the surplus of coarse products they are now wasting into money as profitably as a flock of sheep, and they are going at it in a different way from what they did when they went into the business ten or twelve years ago. Then it was anything to get numbers and get a start cheaply. Unlimited range was about them and it must be utilized at once and before the neighbor got too much of it. Inexperienced and careless management—scrub management, went hand in hand with scrub stock, with the natural result that when depression came an almost total abandonment of the business occurred.

The few who staid by their sheep have found them all along the most profitable stock upon their farms, and are now reaping a rich reward. Those who are now starting are securing better stock, giving them better care, are making them pay from the start and will to the finish. They are learning that the road to success, in the eastern third of the State at least, lies in smaller flocks well kept, in fenced pastures, and tame grass. I believe the subject of the cultivation of the tame grasses which will be brought before you to-night, one of the most important subjects which can engage the attention of the farmers of Kansas, next to sheep culture, and that the farmer who puts his farm mostly to clover, keeps all the stock it will carry, and lets his neighbor raise the grain and buys it, will be getting the cream while his neighbor gets the skim-milk. The real foundation of all successful farming is to know how to utilize grasses, both green and cured. Sheep furnish returns oftener than other stock, hence are the poor man's stock. They are, too, more easily controlled, require less fencing, keep down weeds as no other stock will, and distribute their droppings evenly, so that they go at once to the roots of the grass, instead of covering, smothering and destroying it as do cattle and horses.

But, having stocked our farms with sheep, we must not rest content. The battle is only begun. In these days of close competition, if we would keep to the front we must give the closest attention to all the minute details of care and management. We must produce wool cheaper by growing more of it per head and per acre. We must grow the maximum of mutton per acre by increasing, not so much the size as the form, the constitution and feeding qualities of our stock. We must develop good wool and good mutton together, without too much regard to fancy and fashion. We don't want to throw away a pound of good wool on a good body for an ounce of wool on the leg, where it is of as much hindrance as value. We must progress or fall. We can't stand still. Unless our flocks are better this year than last, we are falling somewhere in our management or breeding.

We ought, at these annual gatherings, to contribute to the general fund our mistakes and failures, as well as our successes. In the year that has passed. We are all too prone to talk of our good hits and keep quiet about the failures, while in reality a careful study of the cause of the failure may help us or our neighbor to a higher success in the future. These gatherings should be a mutual experience meeting. Each should bring up any point in his year's experience that he thinks may interest or help another, and may in turn

get light upon some point that has bothered himself. No one can know it all; the humblest can contribute something, if he has kept eye and brain at work, as we all ought and must, if we desire to succeed.

I believe one of the greatest mistakes we all of us make, and especially beginners, is selection of the male to head our herd. The breeder of grades is too apt to think he can't afford to pay a large price for a male because his ewes are not good enough. And here he makes the mistake of his life. Nowhere will the use of a first-class male bring its reward so quickly. Let the grower of wool consider for a moment. He is paying \$15 for a ram and thinks he can't afford more. The payment of \$50 to \$100, if he got his money's worth, and continues the same course with his young stock, will soon double the value of his flock, will bring his average of five pounds of wool up to ten pounds of a better quality. If it takes five pounds to pay expenses, six will pay some profit, seven will pay double, eight better yet, and when he has doubled his fleece he has not only increased the profit from a fleece several hundred per cent., but has increased the value of his young stock still more. This is not theory, but is practically illustrated in my own neighborhood. It costs no more to feed and care for the best-selling stock than for the cheapest. Another thing we should observe in the selection of the male: Not only should he be the best we can get of the kind, but having decided what breed and what style of that breed we will handle, then stick to one type till we fix a uniformity of size, and of fleece, and covering, and of flesh.

All that I have said about improvement in fleece, applies with equal force to improvement in mutton. While we must endeavor to hold the fleece and constitution in our Merinos while improving in size, form and the propensity to take on flesh, our mutton friends must improve the fleece, constitution and herding quality, and there is room for all in generous rivalry. Each breed has its place, which no other can fill as well, and the breeder of either who aims at the top, where there is and always will be plenty of room, will find constant employment for the best that is in him of hand or brain.

One thing we in Kansas should look after more closely is the quality of our fleece and the care in handling it. Our rich grasses and heavy feeding tend to coarseness of fibre, and should be guarded against in the selection of the male. The dust to which the western half, at least, of the State is subject, we must guard against by selecting a male with a very dense, well-closed fleece, carrying its crimp and quality to the very tip. It is our bounden duty to raise the estimation in which Kansas wool is held in the market, by greater care in putting it up and preparing it for market. Have it perfectly clean and free from all foreign matter. Dust can't always be excluded, but dung and filth can be, and it is a disgrace to any man to allow it to go in as it often does. More care in putting up the fleece to have only the unbroken skin side out, adds to the appearance very much. Australian wool, which competes most largely with our own, is carefully trimmed off belly, legs and skirts, and put up in the best of order. We can raise as good wool as they can and we should be ashamed to admit that they put it on the market in better shape.

Most of our sheep have to be corralled at night to guard against the dogs and wolves our legislators don't see fit to protect us against, and in the case of large flocks and a wet time, these corrals get nasty and the fleeces coated with mud and dung on the belly, legs and hips. This alone loses thousands of dollars to the wool clip of this State every year in reputation and in money. A few weeks ago I was in W. A. Allen's wool house in Chicago, and he showed me a large clip of Western wool. It was white and handsome, long, strong, fine, even and true in fibre. Said Mr. Allen: "That wool should bring 26 cents, and we can't get 21. Why? Because the fleece was covered with mud dried on, a loss of \$1,000 on that clip." This loss to so many we must avoid by giving our Legislature no rest until they help us take care of the dogs and wolves. And in the meantime we must select the highest knoll in the pasture and enclose several acres dog-tight with barbed wire for the flock at night.

We are following the most civilized and dignified branch of agriculture—the only branch which both clothes and feeds the people. The sheep is an absolute necessity to the race. They (can) furnish the most healthful meat, and can feed the race, and must always furnish its best clothing. Of old, was a royal robe needed, the golden fleece furnished it; was a sacrifice needed to the Most High, the priest sought out the breed of the golden hoof.

To use the words of another, we have been looking forward to this meeting in great expectation, hoping we might have a large attendance, a good time and a profitable meeting, and trust we may say, at the close, that it has proved to be one of the best meetings of the kind we have ever held. These annual gatherings, these renewals of acquaintance, carry us upward and out of ourselves, spreading and elevating our manhood, wearing off the rough edges of exclusiveness, with a tendency to make us what nature intended us to be, genial, affable, helpful to one another. It is to your interests as wool-growers that you let your lights shine. If you know anything that by possibility may benefit your fellow flock-owner, tell it to him at this meeting. If you are doubting, seek his counsel, and you will get sympathy and assistance, and maybe

good advice. If you are the victim of any prejudice, if you are running in a groove, get out of it. Find some higher standpoint, and you will discover, if you have not hitherto realized it, that there is more in your chosen industry than your philosophy has yet dreamed of. You will find that there is room enough for the full swing of all your energies and fancies, without danger of annoying, or being annoyed by any man laboring in the field with you. Yes, gentlemen wool and mutton-growers, there is a higher ground, where all of us who mean well and hope well for the present and future of sheep husbandry, may contemplate the great industry in which we are engaged, unhampered by prejudice, and let us hope the day is not far distant when thousands of flocks, well-bred and well-tended, may dot the fair hills of this, the to be (when her capabilities are known and developed) banner sheep State of the Union, and that a much larger hall than this will be filled at our annual love feasts with an earnest band of men laboring together for the common good and the advancement of one of the most important industries of one of the greatest States in our commonwealth. Gentlemen, the meeting is yours; make it a success.

G. F. Bayless then read an interesting paper on fine-wool sheep, their management and adaptation to Kansas. This paper was well received and is so interesting that it will be reproduced entire in subsequent issue. After the reading, Mr. Bayless spoke of the interest and the relation of the McKinley bill to this year's depreciation in prices of wool, and submitted a letter received by Messrs. Stephenson and Hogueland, of Yates Center, who wrote to Secretary Rusk of the Department of Agriculture for an explanation of this condition, and the following was the reply received from J. R. Dodge, the statistician, which is as follows:

WASHINGTON, D. C., September 2, 1891.
SIR:—The letter of Stephenson and Hogueland, referred to this division, asking for information showing "what facts and circumstances have brought about a reduction in the price of wools," such as are grown in Kansas, of class one, or clothing wools, admits of an easy answer. They state that those wools in this country brought last year about 18 cents per pound, and that now the price is 16 to 16½, and ask "what influences have contributed to bring this about in the face of the increased tariff on foreign wools coming into competition with ours."

The cause is a decline in the prices of wools of other countries of the world, the result of increased world's production of recent years, which was stimulated by an excessive demand from this country, an active manufacture in European countries, for several years past. This decrease is shown by the records of prices in other countries, by the decline in average value of wool imported into Great Britain, and of wool imported into this country. For example, the decline in value of all Australian wools imported into Great Britain for the first seven months of this year, in comparison with the first seven months of last year, is about 11 per cent. Likewise, the decline in value of clothing wools imported into this country during the last nine months from October last to July, in comparison with the value of similar imports of nine months of the previous year, is also about 11 per cent. If the average decline of Kansas wools is from 18 cents to 16½, as stated, it is only a trifle over 9 per cent., or less than the average decline in British and American imports of the same kind of wool. The decline in values of foreign wool naturally tends to increase importations and therefore compete with our wool and reduce its price. There has been some increase in imports of clothing wools as a result of cheapness, yet similar Kansas wools, on the basis of the statement of Messrs. Stephenson and Hogueland, have declined just a little less than foreign wools of the same class. Yours respectfully,
J. R. DODGE, Statistician.

A lively discussion followed the reading of this letter, clearly showing that the wool-growers present thoroughly understood the situation and were not in the least uneasy over the outlook.

A paper was then read on the management of lambs the first eight months, by G. R. Manns, Olivet, Kas, which was followed by another paper by John Whitworth, Emporia, on tame grasses for sheep in Kansas. This was followed by a general discussion on the subject of pasturage and the great value of tame grasses, and the constant improvement of the pastures as a result of sheep running on them. Another fact brought out in the general discussion which followed the reading of the papers was, that wolves were much more numerous and the losses much greater than a dozen years ago, and that the only obstacle in the way of the success of sheep-raising was the wolves and dogs, which made it necessary to constantly herd the flocks, especially if they were allowed outside the corrals at night.

The President then announced that the meeting was ready to receive members, and that the fee could be paid on or before the time of the next annual meeting. Twenty-two names were promptly added to the list, after which the following officers were elected: President, E. D. King, Burlington, Kas.; Vice President, H. M. Kirkpatrick, Hoge, Leavenworth Co., Kas.; Secretary and Treasurer, H. A. Heath, Topeka, Kas.; Executive Committee—W. T. Clark, Monroe, Mo.; A. L. Evers, Dillon, Kas.; W. G. McCandless,

Cottonwood Falls, Kas., and the officers to constitute the board.

The following resolutions were passed:
Resolved, That it is the sense of the Kansas Sheep Breeders and Wool Growers' Association that one of the most serious obstacles encountered by sheepmen, as well as the stock and poultry-raisers of Kansas, is the depredations of wolves and dogs, which constantly menace our flocks and herds with declination to an alarming extent, serving to deter our farmers from taking advantage of sheep-raising, which is unquestionably the most profitable branch of the animal industry, but owing to the failure of our Legislature to pass its necessary protective enactments for the proper protection of our live stock and poultry, it is impossible to progress with the development of these industries for which our State is so well adapted, and which could be conducted with so much profit and success were it not for the certain ravages of wolves and dogs.
Resolved, That we are more than ever determined that we must have a suitable dog and wolf law, and to that end give fair warning to the members of the next Legislature that this association will not drop this matter until we receive this long-delayed act of justice.
Resolved, That we tender the proprietor of the Copeland hotel our sincere thanks for the use of his club rooms for our meetings.
The convention then adjourned to meet Wednesday evening of the State Fair, 1892.

Improved Stock Breeders.

More than seventy-five of the most prominent breeders and stock-growers of the State met at the Copeland hotel, in Topeka, on Thursday evening of last week. Prof. Georgeson, of the State Agricultural college, read a paper on the "Head of the Herd," that called forth discussion by the cattle breeders present, and was followed by John McDiarmid, of Kansas City, with an address on cattle-breeding. Col. M. Stewart, of Wichita, read an excellent paper entitled "The Hog of the Great Central Basin," otherwise the Poland-China. N. H. Gentry, of Missouri, advocated the claims of the Berkshire for precedence. "The Value of Pedigree" was the title of a paper by G. W. Berry, of Berryton, and H. M. Kirkpatrick, of Connor, selected for his topic "Thoroughbreds."

Rheumatism is caused by a poisonous acid in the blood and yields to Ayer's Pills. Many cases which seem chronic and hopeless, have been completely cured by this medicine. It will cost but little to try what effect the Pills may have in your case. We predict success.

How to Oil a Harness.

Take the harness to a room where you can unbuckle it and separate the parts completely. Wash each part well in lukewarm water, to which has been added a little potash. Scrub well with a brush until all the grease and dust have been removed. Work the pieces well under the hand until they become supple. It won't do to oil until it becomes so.

Let the parts dry in a place where they will do so slowly. When just moist, oil.

For this purpose use cod-liver oil. It is the best for the purpose.

Besides, if you were to use neat's foot, the rats and mice are your enemies at once, while they will not touch a harness oiled with cod-liver.

Give a good dose of oil to all parts, then hang up to dry. When dry rub well with a soft rag.

You will have a splendidly oiled harness.

Pleasant Employment at Good Pay.

The publishers of *Seed-Time and Harvest*, an old established monthly, determined to greatly increase their subscription lists, will employ a number of active agents for the ensuing six months at \$50 PER MONTH or more if their services warrant it. To insure active work an additional prize of \$100 will be awarded the agent who obtains the largest number of subscribers. "The early bird gets the worm." Send four silver dimes, or twenty 2-cent stamps with your application, stating your age and territory desired, naming some prominent business man as reference as to your capabilities, and we will give you a trial. The 40 cents pays your own subscription and you will receive full particulars. Address,
SEED-TIME AND HARVEST,
La Plume, Pa.

Money Savers for the People.

MICHIGAN CITY, IND., September 22, 1890.
MESSRS. H. R. EAGLE & Co., 68 Wabash Ave., Chicago, Ill.:—I want to say that I have bought groceries from you for seven years, and always got good goods and saved money. Should be glad to have other members patronize you, and know you will please them.
W. H. FREEMAN,
Ex-Chairman Grievance Committee, Division No. 300 Brotherhood of Locomotive Engineers.

KANSAS STATE FAIR.

List of Live Stock Exhibits and Premiums Awarded.

Horse Department.

The burning of the draft horse barn the evening of the opening day of the fair, was a very serious drawback, yet but few, if any, exhibitors were known to be absent on that account. However, there was a falling off in the number in nearly every class of horses. There has been considerable complaint against the fair management by horse exhibitors for several years, and it will be necessary for the association to make some radical changes if this department is to be kept up to a representative standard.

The horse show in the Draft, Roadster and Standard-bred class was very creditable under the circumstances, and the following comprise a list of the exhibitors in the several classes: Percheron or French Draft were shown by F. B. Rix, Topeka, Kas.; W. A. Pierce, Maple Hill, Kas.; G. C. Hogaboom, Vidette, Kas.; O. L. Thistler, Abilene, Kas.; Leonard Heisel, Carbondale, Kas.; Joseph Watson, Beatrice, Neb.; Frank Iams, St. Paul, Neb., and W. J. Griest, Rock Creek, Kas. Clydesdale horses were shown by E. Bennett & Son and H. W. McAfee, Topeka; Leonard Heisel, Carbondale, N. S. Bryant, Lincoln; G. A. Fowler, Maple Hill, and Frank Iams, St. Paul, Neb. English Shire horses by F. B. Rix, Topeka; Joseph Watson, Beatrice, Neb.; and Austin & Gray Bros., Emporia. The exhibit of Coach horses was made by Austin & Gray Bros., Nathan Brobst, Leonard Heisel, E. Bennett & Son, M. L. Monsus and O. L. Thistler, Abilene, Kas. The exhibit of General-Purpose horses was made by E. Bennett & Son, H. W. McAfee, Leonard Heisel, O. W. Blood, M. L. Monsus, C. C. Monsus, C. R. Waltmire, J. A. Maton and J. McDowell. Standard-Bred horses were shown by J. Foley, O. P. Updegraff, L. R. Taylor, Wilson Payne and Dr. Pritchard, of Topeka; Ayer & Waldron, Leavenworth; Dr. E. L. Wilson, Marysville; Linscott Bros., Holton; L. Hart, Peabody; Jennie K. and Annie Wilson, Valerita; H. G. Toler, Wichita; Smith, Milly and Wm. Minor, Osawatie; Jennie Mowers, Silver Lake; A. I. Chipman, Peabody; Ed. Pyle, Humboldt, Neb.; and J. F. McGuire, Denver. The Roadster horses were exhibited by Frank Marsh, Robt. Steele, Jacob Upp, Gilford Dudley, T. Farre, Henry Davis and W. W. Clark, Topeka; J. M. Hughes, Blanchard; J. McDowell, Wakarusa; Geo. C. Hogaboom, Vidette; F. H. Chase, Hoyt; Mulvane & McPherson, St. Marys; Jas. Caldwell, North Topeka; W. M. Hawkins, Pauline; A. Bundy, Auburn; W. E. Clark, North Topeka; R. F. Burke, Plainville; H. G. Toler, Wichita; O. Robertson, Rock Creek; Mulvane & McPherson and L. Mowers; Emil Laver, Vidette; Austin & Gray Bros. and W. D. Taylor, Maple Hill, Kas. Thoroughbred horses were shown by Mrs. Wm. George and Monroe Forbes, Topeka; Dr. E. L. Wilson, Marysville; Lew A. Huber, Lyndon; Wm. Jones, Maple Hill; Buford Clark, Pauline, and Lynn Hart, Peabody.

The expert judge on Draft classes was J. W. Booker, of Champaign, Ill., and on other classes, M. A. Pounds, of Ohio. The complete awards in the horse department is as follows:

Percheron and French Draft.—Stallion 4 years old and over, nine entries. First, O. L. Thistler; second, F. B. Rix. Stallion, over 3 and under 4, seven entries. First, F. B. Rix; second, Leonard Heisel.

Stallion, 2 years and under 3, eight entries. First, Frank Iams; second, Leonard Heisel.

Stallion suckling colt. First, Leonard Heisel.

Stallion showing best four of his get. First, W. A. Pierce.

Mare, 4 years and over, seven entries. First, O. L. Thistler; second, Frank Iams.

Clydesdales.—Stallion, 4 years old and over, twelve entries. First and second, E. Bennett & Son; also first and second on stallion, 3 and under 4, two and under 3, and stallion colt.

Stallion suckling colt. First, E. Bennett & Son; second, H. W. McAfee.

Stallion showing best four of his get. First, E. Bennett & Son; second, H. W. McAfee.

Brood mare, 4 years old and over, five entries. First, G. A. Fowler; second, E. Bennett & Son.

Filly, 3 years old and under 4. First and second, E. Bennett & Son.

Filly, 2 years and under 3. First, H. W. McAfee; second, E. Bennett & Son.

For yearling filly, and mare suckling colt, first and second, E. Bennett & Son.

English Shires.—Stallion, 4 years and over, six entries. First and second, Jos. Watson.

Stallion, 3 years and under 4, eight entries. First, Jos. Watson; second, F. B. Rix.

Stallion, 2 and under 3, five entries. First, Jos. Watson; second, Austin & Gray Bros.

For stallion colt 1 year and under 2, stallion suckling colt, stallion showing best four of his get, brood mare 4 years and over, filly 2 years and under 3, and suckling mare colt, first premium in each class to F. B. Rix.

Coachers.—Stallion, 4 years and over, five entries. First to Nathan Brobst; second, Leonard Heisel.

Stallion, 3 years and under 4. First, Leonard Heisel.

Stallion, 2 years and under 3. First, O. L. Thistler; second, E. Bennett & Son.

Stallion showing best four of his get. First, Nathan Brobst.

General-Purpose.—Gelding, 4 years and over, eight entries. First, J. McDowell; second, H. W. McAfee.

Mare, 4 years and over, six entries. First, E. Bennett & Son; second, H. W. McAfee.

Mare, 3 years and under 4, ten entries. First, C. R. Waltmire; second, M. L. Monsus.

Mare, 2 years and under 3. First, M. L. Monsus; second, J. A. Mabon.

Grand Sweepstakes.—Best draft stallion, any age or breed, forty-two entries. First premium of \$50—and diploma, to Shire stallion, Jos. Watson; second of \$25, to Percheron stallion, F. B. Rix.

Best draft mare, any age or breed, twenty-four entries. First premium of \$40 to Shire mare owned by F. B. Rix; second to Percheron mare owned by Frank Iams.

Special premium on Royal Belgian, diploma, to Bryant & Heisel.

Standard-Bred.—Stallion, 4 years and over, seventeen entries. First, H. G. Toler; second, O. P. Updegraff.

Stallion, 3 years and under 4, five entries. First, H. G. Toler; second, Ed. Pyle.

Stallion, 2 years and under 3. First, Ed. Pyle; second, F. H. McGuire.

Stallion colt, 1 year and under 2, six entries. First, O. P. Updegraff; second, Ed. Pyle.

Stallion suckling colt. First, Anna Wilson; second, Jennie Wilson.

Stallion showing best four of his get. First, O. P. Updegraff; second, H. G. Toler.

Brood mare, 4 years and over, twelve entries. First, O. P. Updegraff; second, Jennie Wilson.

Filly, 3 years and under 4. First and second, O. P. Updegraff.

Filly, 2 years and under 3. First, H. G. Toler.

Filly, 1 year and under 2, seven entries. First, O. P. Updegraff; second, Dr. Pritchard.

Mare suckling colt, six entries. First, S. N. Davis; second, O. P. Updegraff.

Roadsters.—Stallion, 4 years and over, fourteen entries. First, J. F. McGuire; second, F. H. Chase.

Stallion, 2 years and under 3. First, Ayer & Waldron; second, Dr. E. L. Wilson.

Stallion, 1 year and under 2, six entries. First, Monroe Forbes; second, C. E. McDonald.

Stallion suckling colt, seven entries. First and second, O. P. Updegraff.

Stallion showing best four of his get. First, Mulvane & McPherson.

Brood mare, 4 years and over, fourteen entries. First and second, O. P. Updegraff.

Filly, 3 years and under 4. First, Jerome Mowers; second, O. P. Updegraff.

Filly, 2 years and under 3. First, Mulvane & McPherson; second, Jos. Caldwell.

Filly, 1 year and under 2, six entries. First, Linscott Bros.; second, O. P. Updegraff.

Mare suckling colt, nine entries. First, W. D. Taylor; second, Mulvane & McPherson.

Grand Sweepstakes.—Best stallion (Standard or Roadster), any age, eighteen entries. First to Ashland Wilkes, owned by H. G. Toler, \$50 and diploma; second, \$25, to Honor, owned by O. P. Updegraff.

Best mare, any age, seven entries. First, Ed. Pyle; second, O. P. Updegraff.

Thoroughbreds.—Stallion, any age, six entries. First premium of \$20 and diploma, was awarded to Lew A. Huber, Lyndon; second to Wm. Jones, Maple Hill.

Best brood mare, \$20 and diploma, three entries. First to Mrs. Wm. George, Topeka; second, \$15, to Buford Clark, Pauline.

Cattle Department.

The exhibits of cattle were not quite so large as usual this year, but the lack of numbers was more than made up by the superior quality of the animals shown; and in this respect both the beef and dairy breeds surpassed any former display in a marked degree.

Short-horn cattle were shown by Col. W. A. Harris, Linwood, Kas., seven head. Fourteen head were shown by T. R. Westrope, Harlan, Iowa, and thirteen head by W. P. Harned, Bunceton, Mo.

The Herefords had a splendid representation of their breed, and T. J. Higgins, Council Grove, had ten head; E. E. Day, Weeping Water, Neb., thirteen head, and Elmendorf & Co., Kearney, Neb., thirteen head.

There was a marked absence of Red Polled cattle this year, which have formerly been so well represented on these grounds, and only one herd (seventeen head) of Devon cattle, shown by Rumsey Bros., of Emporia, Kas. The McHenry Park herd of Aberdeen-Angus cattle, owned by W. A. McHenry, Dennison, Iowa, made a magnificent single exhibit for that breed, and S. P. Clarke, of Dover, Ill., ably represented the Galloway breed with twelve head.

The show of dairy cattle was the largest and finest ever exhibited in the State. The Holstein-Friesians were shown by M. E. Moore, of Cameron, Mo., thirteen head; H. W. Cheney, North Topeka, Kas., seventeen head; C. F. Stone, Peabody, Kas., thirteen head; Kirkpatrick & Son, of Hoge, Leavenworth county, and Connors, Wyandotte, Kas., fourteen head; E. Maple, North Topeka, Kas., two head; Peck & Gilchrist, North Topeka, Kas., one head. The Jerseys were shown by A. E. Jones, proprietor of the Oakland Jersey stock farm, Topeka, Kas., nineteen head; G. F. and T. C. Miller, proprietor of the La Veta Jersey Cattle Company, Topeka, Kas., twenty head; C. W. Talmage, of Council Grove, Kas., fourteen head.

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The following are the premiums awarded

Cattle Department.

in the cattle department:

Short-horns.—Bull, 2 years and under 3, one entry, first, Westrope. Bull, 1 year and under 2, three entries, first, Harris; second, Harned. Bull calf, under 1 year, three entries, first and second, Westrope. Cow, three years old or over, three entries, first, Harris; second, Westrope. Heifer, 2 years and under 3, four entries, first, Westrope; second, Harris. Heifer, 1 year and under 2, three entries, first and second, Harris. Heifer, under 1 year, three entries, first, Westrope; second, Harris. Herd, bull and four cows, two entries, first, Westrope; second, Harned.

Herefords.—Bull, 3 years or over, three entries, first, Elmendorf; second, Day. Bull, 1 year and under 2, three entries, first, Higgins; second, Elmendorf. Bull, under 1 year, four entries, first, Elmendorf; second, Higgins. Cow, 3 years or over, seven entries, first, Elmendorf; second, Day. Heifer, 2 years and under 3, five entries, first, Day; second, Elmendorf. Heifer, 1 year and under 2, four entries, first, Elmendorf; second, Higgins. Heifer, under 1 year, four entries, first, Elmendorf; second, Day. Herd, bull and four cows, three entries, first, Higgins; second, Elmendorf.

Galloways.—All premiums to S. P. Clarke, Dover, Ill. No competition.

Aberdeen-Angus.—All premiums to W. A. McHenry, Dennison, Ia. No competition.

Devons.—All premiums to Rumsey Bros., Emporia, Kas.

Holsteins.—Bull, 3 years old or over, four entries, first, Moore; second, Kirkpatrick. Bull, 2 years and under 3, two entries, first, Moore; second, Cheney. Bull, 1 year and under 2, three entries, first, Moore; second, Gilchrist. Bull, under 1 year, four entries, first, Cheney; second, Stone. Cow, 3 years old and over, eight entries, first, Moore; second, Stone. Cow, 2 years and under 3, five entries, first, Moore; second, Cheney. Cow, 1 year and under 2, twelve entries, first, Cheney; second, Moore. Calf, under 1 year, eight entries, first, Cheney; second, Stone. Herd, bull and four cows, first, Moore; second, Stone.

Jerseys.—Bull, 3 years or over, four entries, first, La Veta Co.; second, Jones. Bull, 2 years and under 3, one entry, first, La Veta Co. Bull, 1 year and under 2, four entries, first, Talmadge; second, La Veta Co. Bull calf, three entries, first, Jones; second, La Veta Co. Cow, 3 years or over, eight entries, first, La Veta Co.; second, Jones. Cow, 2 years and under 3, four entries, first, La Veta Co.; second, Talmadge. Cow, 1 year and under 2, ten entries, first, Talmadge; second, La Veta Co. Calf, three entries, first and second, La Veta Co. Herd, bull and four cows, first, La Veta Co.; second, Jones.

Sweepstakes, Beef Breeds.—Bull, any age or breed, seven entries, first, Elmendorf; second, Higgins. Cow, any age or breed, fourteen entries, first, Westrope; second, Harris. Aged herd, five entries, first, Westrope; second, Day. Young herd, four entries, first, Harris; second, McHenry.

Sweepstakes, Dairy Breeds.—Bull, any age or breed, nine entries, first, Moore; second, La Veta Co. Aged herd, six entries, first, Moore; second, La Veta Co. Best young herd, nine entries, first, \$50, to M. E. Moore, Holstein-Friesians; second, \$25, to A. E. Jones, Jerseys.

Swine Department.

The exhibit in this department was the most reputable ever shown at the Kansas State Fair. Composed, as it was, from the "plums" of the "cream" of our States, viz: Nebraska, Iowa, Missouri and Kansas, it is no wonder that the thousands of visitors expressed such surprise and admiration.

Mr. M. B. Keagy, the noted swine-breeder from Sumner county, Kansas, was superintendent, and J. J. Malls, of Manhattan, Kas., passed on all classes, and of course gave general satisfaction.

Poland-China swine were exhibited by Vivion & Alexander, of McCredle and Fulton, Mo., nine head; B. F. Dorsey & Sons, of Perry, Ill., seventeen head; Geo. E. Faulk, of Richmond, Mo., fifteen head; E. Baldrige & Sons, Parsons, Kas., forty-three head; V. B. Howey, Topeka, Kas., seven head; Monsees & Wiley, of Smithson, Mo., eleven head; W. E. Gresham, Burrton, Kas., seventeen head; K. N. Friesen, Halstead, Kas., seventeen head. Berkshire swine were shown by B. F. Dorsey & Sons, Perry, Ill., seventeen head; V. B. Howey, Topeka, Kas., four head; N. G. Gentry, Sedalia, Mo., eleven head; G. W. Berry, Berryton, Kas., twenty-nine head; B. F. Drake, Santa Fe, Mo., six head.

Chester White swine were displayed by John Kemp, North Topeka, Kas., twenty-eight head; W. W. Waltmire, Carbondale, Kas., thirty-one head; A. A. Dorsey & Sons, Perry, Ill., twenty-two head.

Victoria swine were exhibited by Geo. F. Davis & Co., Dyre Station, Ind., thirty-three head; B. F. Drake, Santa Fe, Mo., twelve head.

Premiums were awarded as follows:

Poland-Chinas.—Boar, 2 years and over, twelve entries, first, Dr. Pearson; second, Monsees & Wiley. Boar, 1 year and under 2, eleven entries, first, Dorsey; second, Vivion & Alexander. Boar, 6 months and under 1 year, eleven entries, first, G. W. Falk; second, Monsees & Wiley. Boar, under 6 months, twelve entries, first, G. W. Falk; second, R. Baldrige. Sow, 2 years and over, twelve entries, first and second, Dorsey. Sow, 1 year and under 2, nineteen entries, first, Dorsey; second, G. W. Falk. Sow, 6 months and under 12, seventeen entries, first, Monsees & Wiley; second, Falk. Sow, under 6 months, sixteen entries, first and second, Dorsey. Herd, boar and four sows, over 1 year,

eight entries, first, Dorsey; second, Vivion & Alexander. Herd, boar and four sows, under 1 year, seven entries, first, G. W. Falk; second, Dorsey. Sow and litter of five pigs, nine entries, first, Dorsey; second, Baldrige. Five head of swine of any age, the get of one boar, ten entries, first, Falk; second, Dorsey. Sweepstakes boar, any age, eighteen entries, first, Dorsey. Sweepstakes sow, any age, eighteen entries, first, Dorsey.

Berkshires.—Boar, two years and over, four entries, first, Gentry; second, Dorsey. Boar, 1 year and under 2, seven entries, first and second, Dorsey. Boar, 6 months and under one year, six entries, first, Dorsey; second, Berry. Boar, under 6 months, nine entries, first, Dorsey; second, Berry. Sow, 2 years and over, six entries, first and second, Gentry. Sow, 1 year and under 2, eleven entries, first and second, Gentry. Sow, 6 months and under 1 year, four entries, first and second, Dorsey. Sow, under 6 months, five entries, first, Berry; second, B. L. Drake. Herd, boar and four sows over 1 year, three entries, first, Gentry; second, Dorsey. Herd, boar and four sows under 1 year, one entry, first, Dorsey. Sow and litter of five pigs, three entries, first, Berry. Five head of swine, any age, the get of one boar, three entries, first, Dorsey; second, Gentry. Sweepstakes boar, any age, eleven entries, first, Gentry. Sweepstakes sow, any age, twelve entries, first, Dorsey.

Chester Whites.—Boar, 2 years and over, three entries, first, A. Dorsey; second, Waltmire. Boar, 1 year and under 2, four entries, first, Dorsey; second, Waltmire. Boar, 6 months and under 1 year, five entries, first, Dorsey; second, Kemp. Boar, under 6 months, nine entries, first, Kemp; second, Dorsey. Sow, 2 years and over, seven entries, first, Dorsey; second, Waltmire. Sow, 1 year and under 2, seven entries, first, Kemp; second, Dorsey. Sow, 6 months and under 1 year, seven entries, first, Dorsey; second, Kemp. Herd, boar and four sows, over 1 year, three entries, first, Dorsey; second, Waltmire. Herd, boar and four sows, under 1 year, five entries, first, Dorsey; second, Kemp. Sow and litter of five pigs, under 6 months, four entries, first, Kemp; second, Waltmire. Five head of swine, any age, the get of one boar, four entries, first, Dorsey; second, Waltmire. Sweepstakes boar, any age, eleven entries, first, Dorsey. Sweepstakes sow, any age, twelve entries, first, Dorsey.

Victorias.—Boar, 2 years or over, first and second, Geo. F. Davis & Co., Dyer, Ind. Boar, 1 year and under 2, first, Geo. F. Davis & Co.; second, B. F. Drake, Santa Fe, Mo. Boar, 6 months and under 1 year, first, Geo. F. Davis & Co.; second, B. F. Drake. Boar, under 6 months, first, Geo. F. Davis & Co.; second, B. F. Drake. Sow, two years or over, first, Geo. F. Davis & Co.; second, B. F. Drake. Sow, 1 year and under 2, first and second, Geo. F. Davis & Co. Sow, six months and under 1 year, first and second, Geo. F. Davis & Co. Sow, under 6 months, first, Geo. F. Davis & Co.; second, B. F. Drake. Herd, boar and four sows, over 1 year, first, Geo. F. Davis & Co. Herd, boar and four sows, under 1 year, first and second, Geo. F. Davis & Co. Sow and litter, first, Geo. F. Davis & Co.; second, B. F. Drake. Five head of swine, the get of one boar, first and second, Geo. F. Davis & Co. Sweepstakes boar, any age, first, Geo. F. Davis & Co. Sweepstakes sow, any age, first, Geo. F. Davis & Co.

Sheep Department.

In response to the urgent demand of the sheepmen last year, the fair association this year provided a new sheep barn and better premiums, which resulted in a better display of sheep than has been on the grounds for years, and the new barn was not able to hold all the sheep, and additional pens had to be erected in order to accommodate the sheep exhibits. The different classes were well represented in the following order: Merinos, Shropshires and Cotswolds.

The Merino exhibits consisted of thirty head owned by E. D. King, Burlington, Kas.; twenty-one head by Samuel Jewett & Sons, Lawrence, Kas., and six Delaines by A. A. Dorsey, Perry, Ill. The Shropshire display was made by W. B. Kirkpatrick, Hoge, Kas., with fourteen head; W. T. Clark, Monroe City, Mo., with thirty-one head; A. A. Dorsey, Perry, Ill., twelve head. And the Cotswold breed was represented by W. G. McCandless & Son, Cottonwood Falls, Kas., with eighteen head; Crancer & Bell, Neely, Kas., twenty-seven head; Geo. F. Davis & Co., Dyer, Ind., with thirteen head, and A. A. Dorsey with ten head.

The expert judge this year on the middle and long-wool classes was Lewis Bennett, Lee's Summit, Mo., but in the fine-wool class he was assisted by C. F. Stone and A. A. Dorsey. The complete awards are as follows:

Fine-Wools, Merinos.—Ram, 2 years old and over, first E. D. King; second, Jewett & Sons. Ram, 1 year old and under 2, first, Jewett & Sons; second, E. D. King. Ram lamb, first Jewett & Sons; second E. D. King. Pen of two ewes, 2 years old and over, first and second, E. D. King. Pen of two ewes, 1 year old and under 2, first, Jewett & Sons; second, E. D. King. Pen of two ewe lambs, first, Jewett & Sons; second, E. D. King. Ram and five of his get, first, Jewett & Sons; second, E. D. King. Flock, one ram, two ewes 2 years old, two ewes 1 year old, two ewe lambs, first, E. D. King; second, Jewett & Sons.

Middle-Wools, Shropshires.—Ram, 2 years old and over, first and second, W. T. Clark. Ram, 1 year old and under 2, first, A. A. Dorsey; second, W. T. Clark. Ram lamb, first and second, W. T. Clark. Pen of two ewes, 2 years old and over, first and second, W. T. Clark. Also first and second,

and on the balance of the class of middle-wools, except ram and get, which had no entries.

Long-Wools, Cotswolds.—Ram, 2 years old and over, first, A. A. Dorsey; second, Geo. F. Davis & Co. Ram, 1 year old and under 2, first, Geo. F. Davis & Co.; second, W. G. McCandless & Sons. Ram lamb, first, A. A. Dorsey; second, Geo. F. Davis & Co. Pen of two ewes, 2 years old and over, first, Geo. F. Davis & Co.; second, Crancer & Bell. Pen of two ewes, 1 year old and under 2, first, Geo. F. Davis & Co.; second, Crancer & Bell. Pen of two ewe lambs, first, Crancer & Bell; second, Geo. F. Davis & Co. Best ram and five of his get, first, Geo. F. Davis & Co.; second, Crancer & Bell. Best flock, first, Geo. F. Davis & Co.; second, A. A. Dorsey.

Notable Exhibits.

In M. E. Moore's notable exhibit of Holstein-Friesian cattle at the Kansas State Fair were Empress Josephine 3d's Consolation (first in class and at head of herd); Gerben 4th (sold to C. F. Stone); Gerben 2d, Empress Josephine 3d (sold to C. F. Stone); Empress Josephine 3d's Gerben; Rachel Aldine; Kroontje; Harmerke's Gerben; Maryke 3d's Gerben; Gerben De Vrles and Kroontje's Bell Boy.

Yost's Incubator.—The drawing card of the poultry department this year was the novel exhibition made by Jacob Yost, of Topeka, who had on exhibition one of his latest make of incubators and brooders, and from twenty-five to fifty chickens were hatched out daily during the fair—an ocular demonstration of the merits of his incubator. The great success achieved by Mr. Yost during fair week laid the foundation for numerous sales of incubators throughout the State.

TOPEKA SEED HOUSE.—One of the exhibits in the main exhibition hall which seemed to interest every visitor, whether from the country or city, was a tasty display of all kinds of garden, field and flower seeds, as well as bulbs, pots, vases, tools, etc. Mr. S. H. Downs informed the FARMER that the Topeka Seed House had received a large importation of bulbs direct from France, and that they were now prepared to supply their customers with all kinds of seeds and bulbs.

AUTOMATIC STOCK-WATERER.—One of the best devices in the way of an automatic stock-waterer is the one that has been shown at the leading fairs by Perry & Hart, of Abilene. Every stock-raiser can well afford to have one of these devices in his watering-trough, for by its use the troughs are kept full all the time. The writer has no knowledge of anything superior to this one in the market, and has no hesitation in commending it to stockmen generally. Such as are interested should write for illustrated and descriptive circular.

SULLIVAN'S SHETLANDS.—One of the interesting horse exhibits this year, was a display of Shetland ponies made by A. L. Sullivan, Lincoln, Neb. Everybody who visited the cattle barn, made it a special point to look over these little ponies and get prices; and from the interest manifested, if Mr. Sullivan does not do a land office business with Shetland ponies in this State, it will be because the prices are too long for the purses of the numerous admirers of these little pets. Although the association offered no premiums for Shetlands, they considerably gave Mr. Sullivan every opportunity for exhibiting these famous little horses.

C. F. Stone, of Peabody, Kas., is rapidly coming to the front as one of the leading Holstein-Friesian breeders of the country. Among his exhibit at the State Fair were the world-wide known Empress Josephine, formerly belonging to M. E. Moore's famous herd, and May Overton, the cow that won both the butter and milk prize at the National Dairy Show at Chicago in 1889. Not content with these prize-winners, and determined to reach the top, second to none, Mr. Stone purchased from Mr. Moore his famous Empress Josephine 3d, and Gerben 4th, for which he paid \$1,000 each. Empress Josephine 3d's butter record for seven consecutive days is 31 pounds 12 ounces; milk, 603 pounds 12 ounces. Gerben 4th has the largest butter record of any cow of the breed—seven consecutive days, 32 pounds; milk 527 pounds 9 ounces. The KANSAS FARMER takes great pride in announcing to the world that the Sunflower State can now boast of the champion Holstein-Friesian herd of America.

CRANE'S PUBLISHING HOUSE.—Every visitor who took in the division of printing in the main exposition hall, could not help but note the greatly improved exhibit made by Geo. W. Crane & Co., the old reliable firm of Topeka, whose name is known throughout the West wherever fine printing and blank books are used. The friends of the firm are very much delighted to note that near the close of the fair the entire exhibit was decorated with a blue ribbon as the first premium display. Geo. W. Crane & Co. are the publishers of Kansas statutes, law books, and an endless line of record and blank books, and supplies for public offices. Their magnificent display contained blank books from largest double medium down to quarto medium. There were books and blanks manufactured for county, railway and bank purposes. Books published by the company during the past year were a hardware catalogue as large as Webster's unabridged dictionary for Baldwin & Co., of New Orleans. An edition of 3,000 of these was printed this summer by this establishment. Goss' History of Birds of Kansas, a work which is recognized as the finest of its kind in existence from a mechanical, literary and scientific standpoint. Reprints of Kansas Reports, the Kansas

Blue Book, History of the Kansas State University, a book of poems for the Lance, together with half a dozen other publications on important subjects. The display of stationery was decidedly unique.

Rix's FINE DRAFT HORSES.—There never was a more creditable display of draft horses shown on the grounds than the exhibit made by F. B. Rix, of Topeka, consisting of twenty-three English Shire and Percheron horses. He won more first prizes than any other exhibitor at the fair. The Percheron stallion, Chaleneux, won first in 3-year-old class, and second in grand sweepstakes—all draft breeds. The English Shire stallion, Cartern Hero, a 3-year-old, and Nabby Emperor, won the prizes in their respective classes as shown by the awards in another place. His Percheron mare, Flora, has never been beaten in the show ring, and has always taken the premium in every class shown; she won the grand sweepstakes prize for best draft mare on exhibition, beating the famous mare Rosa Bonheur, imported by Elwood. Mr. Rix has for sale a number of strictly first-class acclimated stallions of both English Shires and Percherons. Any horseman desiring something especially good, should not fail to confer with Mr. Rix.

ROYAL ROCK SALT.—The exhibit of rock salt in the agricultural and main exhibit halls, was a display that interested every stockman who visited the fair. The exhibit attracted general attention as it represents a matter of vast importance to farmers and stock-raisers. The mines and works are at Kanopolis, Kas., in Ellsworth county, where they have a 250-foot vein at a depth of 825 feet. The daily capacity of this salt mine is two thousand tons. It seems to be an admitted fact by those who have used this natural rock lump or mineral salt that it is not only the most perfect found for all classes of live stock, but is a superior article for purity, economy, convenience and safety. The Royal Salt Co., of Kansas City, Mo., with a capital of a quarter of a million, have in charge this great Kansas enterprise, and we have no hesitancy in recommending a trial of their various grades of salt, and especially the lump rock and ground rock for live stock. Further particulars or samples may be secured by addressing the company.

TOPEKA BUSINESS COLLEGE.—Among the many notable displays in the exposition hall, and one which attracted universal attention and admiration throughout the entire week of the State Fair, was that of the Topeka Business College and Institute of Shorthand and Penmanship. The display of pen work by this institution was one of superior merit, and such as a person seldom has the privilege of viewing. The variety of work exhibited covers almost the entire field for pen production, while the artistic execution and finish of the display must be seen to be appreciated. The booth was fitted up in regular office style with typewriters, writing-tables, mimeograph, etc., and the work done by the students of the school shows a truly remarkable degree of proficiency in the various branches of a business training. Altogether, the display was indeed meritorious, and one which, while illustrating the superior methods and appliances of this progressive school, was also a credit to the city of Topeka. As might be expected this display carried off the first premium for the largest and best collection of penmanship, also first premium on pen drawing.

MEADOW BROOK MERINOS.—Our first page illustration this week shows one of the stock rams owned by E. D. King, President of the Kansas Sheep Breeders and Wool Growers' Association, Burlington, Kas. In his exhibit at the fair Mr. King also showed the stock ram, Logan, whose development we have watched with much interest. We saw him sheared in 1890, and weighed him and his fleece—gross weight 150 pounds, fleece 29 pounds. At the public shearing of 1891, he weighed 182 pounds, and cut 39 pounds, and is growing in carcass and fleece very finely. He has a massive build, very broad, straight back and extremely heavy quarters, and is growing for 200 pounds by next spring. Mr. K. exhibited six yearling ewes sired by Logan, which, though not very wrinkly, are covered from nose to hoof with a fine, even, heavy, nicely-coated fleece of good length and very thick, and they all have the long body, round rib, broad back, and heavy build of their sire. He also showed the yearling ram, Excel, which took second in class, not being quite so stylish as his competitor, but was pronounced by those who saw him, the kind of sheep our farmers need for wool and mutton. Excel is a plain sheep with a heavy neck and splendid covering, and at the public shearing, April 3, there was enough of him to weigh 149 pounds, and cut 25½ pounds. He is by Chance, and dam by Chance, and will be heard of in the future. Mr. K. captured first and second on 2-year-old ewes. The first-prize pen consisted of Meadow Lass and Meadow Lass 2d, those large, handsome, heavily-folded breeding ewes all visitors to Meadow Brook will remember so well. The second prize fell to Lady Clark Pugsley and mate. Lady Clark Pugsley weighed at public shearing at 1 year and 11 months old, 130 pounds, and cut 18 pounds, and is a grand representative of the heavy, smooth-bodied family of farmers' sheep which Mr. K. is founding at Meadow Brook. She is of heavy bone, great covering, long, thick handsome fleece, and as long as Mr. K. breeds such sheep as she, he will never lack for customers among the farmers of the State and the stockmen of the West, who have shown their appreciation by taking 150 of his rams this summer. Hon. S. M. Porter,

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of Caney, who was at the State Fair, reports that the two plain yearling rams he bought of Mr. King last fall, sired by L. Clark 160, sheared 26 and 27 pounds long, nice delaine wool. That the stock ram, Blaine, weighed 178 pounds, and sheared 36 pounds of one year and one week's growth, making two very bulky fleeces. Three yearling ewes Mr. Porter bought at same time, sired by L. Clark 160, sheared as follows: No. 48, 19 pounds; No. 105, 24 pounds; No. 106, 22 pounds, for second fleeces, demonstrating that Meadow Brook stock does well away from home.

HAMILTON PRINTING CO.—As Topeka is the recognized printing emporium of the West, it was quite natural that everybody should see a fit representative of this leading industry of Topeka. From the display made, no one was disappointed. The Hamilton Printing Co., successors to the Kansas Publishing House and Kansas State Printer, made an extensive and artistic display of their various lines of printing, and book-work and stationery. Great pains were taken in the arrangement of the printing display, and careful attention was given to the most minute details. It was for this reason that during the entire time of the exhibit the booth was surrounded with an admiring throng. The large book hanging in front and above the booth was a source of wonder to every one, and nearly every visitor took occasion to register in the volume, which is to remain with the Kansas Historical Society. No display in the exposition building was more worthy of a position clear in the front rank, than that of the Hamilton Printing Co. The company feels highly flattered by the decision of the judges, which was unanimous, in awarding to their display of law books the first premium, blue ribbon. The judges, in placing the ribbon on the display, stated to the management of the display that they had never had the pleasure of looking over a better appearing, finer display of law-books than this one. The leading members of this firm are C. B. Hamilton, President, O. E. Walker, Secretary, and Mr. E. H. Snow, the State Printer. This establishment does all the printing for the State, and claims to own and operate the largest publishing house west of St. Louis. The company is doing a flourishing business, and books, stationery and fine printing go daily from this establishment to all parts of the State.

A Challenge.

I challenge the world on my remedy for worms in animals. One more testimonial:
KUNGLA, OHIO, December 20, 1890.

MR. STEKETEE:—Your Hog Cholera Cure is giving the best of satisfaction. I sold six boxes to one man; he says "it fetches the worms out of the horses flying."

W. W. STAMBAUGH.
If your dealers will not keep Steketee's Hog Cholera Cure on sale then send me 60 cents and I will send by mail. Better way still: let a few farmers club together and send for three dozen packages and I will make a fair reduction. Address G. G. Steketee, Grand Rapids, Mich.

P. S.—I will not send for less than 60 cents per single package.

Are You Hard of Hearing or Deaf?

Call or send stamp for full particulars how to restore your hearing by one who was deaf for thirty years. John Garmore, Room 18, Hammond Bldg, 4th & Vine, Cincinnati, O.

Notice from Van B. Prather.

EDITOR KANSAS FARMER:—Will you please announce that owing to the failure of my voice I am compelled to withdraw from the lecture field, and cannot fill any more appointments this fall. I deeply regret the necessity of this step, and most earnestly urge our people to press on to the victory that is surely theirs if they are true to their families and themselves. I hope and believe that my voice will be restored, and I assure you that I will be with you in the campaign of 1892, which will be the greatest political revolution ever witnessed on earth. My address will be Topeka. Yours truly,
VAN B. PRATHER.

Topeka Shorthand Institute, 521 and 523 Quincy St., Topeka, Kas.

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The Home Circle.

To Correspondents.

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

Sunday By the Sea.

Beneath the pine trees, on the bluff,
The hammock awaiting to and fro,
The western wind comes whispering
A seaward message, soft and low.

Beyond—the sea a tender blue,
Where golden sunbeams kiss and reach,
While lazy wavelets softly lap
Against the thickly shell-strewn beach.

Afar against the shining sky,
With sails uplifted clear and white,
A vessel lingers like a bird,
Southward to take its onward flight.

God's Day; and His all constant sign
And seal, of sweet abiding love,
Set in unchanging tender care
On earth, sunshine and sky above.

Oh, Thou, whose waters infinite
Of loving truth forever flow,
Give us the strength, that all thy love
We come to recognize and know!

And when above our weary heads,
The many waters ceaseless roll,
Let us lie down in peace and sleep,
Nor fears possess the weary soul.

—Good Housekeeping.

The Hustler Unhustled.

How does the hustler work?
With a dash, a laugh and much talk,
He swings along in an awful rush,
And takes up most of the walk.
With a "Hi! Get out of my way!"
And "I've got so much to do
That I don't know where to begin," by George!
Then he starts at it with a "whew!"

But watch him awhile, my friend,
And I'll bet you ten to one
That if you catch him quite unawares
He's not such a big heap done.
When he can't show off, you see,
The hustling he finds no fun,
And the way the hustler loafs on the sly
Makes a snail's walk seem like a run.

—Pharmaceutical Era.

"IF I WERE A BOY."

The following article was sent us by Phoebe Parmelee with the request that it be reproduced in KANSAS FARMER. We are pleased to comply with the request as the article is most excellent, and one that should be read by every boy in Kansas. It no doubt will be the more interesting to our readers from the fact that it is recommended by Mrs. Parmelee, whose articles in "Home Circle" have so often been its attractive feature.—EDITOR.

The following article, written by Bishop John H. Vincent, was published in the June number of the *Home Magazine*, of which Mrs. John A. Logan has editorial charge:

"If I were." Ah, if I were! The very thought sets every thought afire. That "if" is a key to dreamland. One is not asked for biography or history. Either would need memory simply. But "if"—well let us give free reign to imagination. But can one who was once a boy write a fancy of this sort and not let some biography slip into it? We shall see.

"If I were a boy"—well if I were a boy such as I was, of the same sort, with the same beginnings, with the same blood, the same surroundings, the same teachings, the same home (blessed home! but I am not writing autobiography), the same classmates, the same accidents, atmospheres and aspirations; the same opinions, passions, and conflicts—should I have come into the same life, by the same path, with the same experiences and outcomes? Could I have made the product different? Let me say, "yes." But don't start a discussion. I am not requested to write about "what might have been."

If I were a boy, with my present knowledge of the end, or the state of present progress toward the end, with my memory of the past and my man's view of a boy's life—what would I do?

First of all, I should have an early conversation with my parents. I should bring my later wisdom to bear on them. Not that I would, if I could, subject my father to the transformation which Mr. Anstey so ingeniously and ludicrously records in "Vice Versa," but I do think, since I am older now than my father was when I was a boy, I might give a word of advice even to him and to others, concerning a possible environment and administration by which certain modifications might be made in the average theory and method of paternal government. There are some elements in a boy's training I would make more of than some parents do, and more than my father did. And I don't like to say one word in depreciation of one of the most firm, faithful and affectionate of fathers.

If I were a boy, I should want a steady

and thorough discipline, early begun, and never relaxed, on the great doctrine of *will force as the secret of character*. Faith in God is, I know, the foundation. "The fear of the Lord is the beginning of wisdom." It must, however, be true fear and not a wretched terror; it must be the fear of the true God and not of a weak or wicked tyrant God; the fear which is a reverent and holy love for a loving king, who is a father and who is as gentle as a mother, and who loathes selfishness, falsehood and meanness as a patriot loathes disloyalty, and a virgin impurity. Faith in God is first, as the opened ground is first when we would build a house. But the gaping cellar, the open arms of mother earth, is only the beginning. Faith in God is in order to the building, though human choice and persistency of purpose, of a character in which God's opportunity given, is by man's will promptly and perpetually received and employed. God makes the hill, with sloping sides and loose soil among the rocks. Man builds the terrace, that the soil may stay; while God with moisture and sunlight, makes it fertile. Then man again, with patient and skillful labor, plucks out the weeds, and plants good seed, that God's dew, rain, and sun-ray may have a perfect chance to do a perfect work. If I were a boy, I should want my teacher to make me know and feel this divine and human relation; to put weight of responsibility upon me; to fill me with, and to confirm me in, the thought that I am not a "thing," a stick, a stone, a lump of clay or putty, but a "person," a "power," a "cause," a "creator," and what I am in the long run, in the final outcome, I am to make myself. I must not forget that God rolls up the hill, ribbing it with rock, filling it with stones, sprinkling it with soil, but *I must build and keep up the terrace.*

I should want father and mother, older brother and sister, pastor and teacher, neighbor and best friend, books and periodicals, to say and to re-say, and to say it over and over again, as birds sing their songs, and as waves roll up on the worn beach: "You are not a 'thing' but a 'person,' not so much an 'effect' as a 'cause,' not to be led by a whim, but to be ruled by a will; not to let the winds and the rains and the down-pull of gravitation denude the hillside; but to keep up the terrace."

Classes for letter-picking and word-learning, for spelling and reading, are good. Classes in numbers, for handling figures and drawing geometrical lines, are good. But the best class, to be earliest organized and longest sustained, the class in which a two-year-old should be an advanced pupil, the class that never graduates, is the class in which a boy is trained to say "I ought; I can; I will," the class on terrace-building.

If I were a boy with my man's wisdom, I should eat wholesome food and no other. And I should chew it well and never "bolt it down." I should eat at regular hours, even if I had to have four regular meals a day. I should never touch tobacco, chewing gum or patent medicines; never once go to bed without cleansing my teeth; never let a year go by without a dentist's inspection and treatment; never sit up late at night, unless a great emergency demanded it; never linger one moment in bed when the time came for getting up; never fail to rub every part of my body every morning with a wet towel, and then with a dry one; never drink more than three or four tablespoonfuls of ice-water at one time, and so forth, and so on. But all this takes will-power. And that is all it does take. Terraces are great things.

If I were a boy I should keep my own secrets, except as I revealed them to my father and mother, for the sake of securing their advice; I should never speak a word to any one who might be worried by it; and speak kind words of others, even of enemies, in their absence. I should put no unclean thoughts, pictures, sights or stories in my memory and imagination, and no foul words on my tongue; give no smiles, but give rather the black frowns and prompt and fierce reproof to any comrade who dared, in my presence, to utter a filthy speech. I should want to say, as the pure-minded and noble Dr. George H. Whitney, president of Hackettstown, (N. J.) College, can say: "I have never pronounced a word which I ought not speak in the presence of the purest woman in the world." I should treat little folks kindly, and not tease them; show respect to servants; be tender toward the unfor-

tunate—and all this I should strive to do for the sake of being a comfort to people, a joy to my parents, a help to the next century, and in the seventh decade of it should hope to be a wise and cheerful old man, who learned when he was a boy to govern himself, to be firm in right willing, and to keep up the terraces in God's garden on the hillside.

If I were a boy I should play and romp, sing and shout, climb trees, explore caves, swim rivers, and be able to do all the manly things that belong to the manly sports; love and study nature; travel as widely and observe as wisely as I could; study hard (with a will) when the time came for study; read the best literature—works of the imagination, history, science, and art, according to my taste and need; get a good knowledge of English; try to speak accurately, and to pronounce distinctly; go to college, and go through college, even if I expected to be a clerk, a farmer, or a mechanic; spend my Sundays reverently; try to be a practical every-day Christian; help on every good cause; never make sport of sacred things; be "about my Father's business," like the Boy of Nazareth; "use the world and not abuse it;" treat old men as fathers, "the younger men as brethren, the elder women as mothers, the younger as sisters, in all purity;" and thus I should try to be a Christian gentleman, wholesome, cheerful, independent, courteous; a boy with a will; a boy without cant or cowardice; a builder of terraced gardens on the hillside—man's will and wisdom in them, and God's grace, beauty and blessing abiding upon them.

Oh, if I were a boy!

Fun for the Boys.

EDITOR KANSAS FARMER:—I was born and brought up on a farm in central New York, and one of our chief boyish sports was robbing the nests of bumblebees and getting their honey. The meadows were dotted over with great stone piles; the stones thrown together in heaps to get them out of the way of the scythe until they could be hauled off the ground with the oxen and cart. At each successive plowing there would be another crop of cobble-stones for the boys to pick up and throw into heaps, and among these stone piles the bumblebees made their nests. We boys would go from heap to heap and pound upon the heaps with a big stone. If the bees were present they would "sing," and if the disturbance were kept up, they would come out in numbers and drive us away, or a big fight would follow. We uncovered the nest and fought the bees with switches, sometimes using our hats, and were generally rewarded by a few stings, and two or three spoonfuls of honey of excellent quality. I am an old man now, and my boys have a better way of taming bumblebees. When the nest is found they fill a common water jug half full of water and set it close beside the nest. They then disturb the nest violently and retreat to a safe distance. The bees come out very mad, and fly around the jug, which is the only enemy they can see, and by some strange and unaccountable freak, they go into the jug and are drowned in the water. This makes it very easy to rob them, and it is great fun for the boys to see them go into the jug.

A KANSAS FARMER.

Apples as a Medicine.

Upon the much overlooked subject of "apples as a medicine" the London *Hospital* says:

"Chemically the apple is composed of vegetable fibre, albumen, sugar, gum, chlorophyll, malic acid, gallic acid, lime and much water. Furthermore, the German analysts say that the apple contains a larger percentage of phosphorus than any other fruit or vegetable. This phosphorus is admirably adapted for renewing the essential nervous matter, lethicin, of the brain and spinal cord. It is, perhaps, for the same reason, rudely understood, that old Scandinavian traditions represented the apple as the food of the gods, who, when they felt themselves to be growing feeble and infirm, resorted to this fruit for renewing their powers of mind and body.

"Also, the acids of the apple are of signal use for men of sedentary habits whose livers are sluggish in action, these acids serving to eliminate from the body noxious matters, which, if retained, would make the brain heavy and dull, or bring about jaundice or skin eruptions and other al-

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lied troubles. Some such an experience must have led to our custom of eating apple-sauce with roast pork, rich goose, and like dishes. The malic acid of ripe apples, either raw or cooked, will neutralize any excess of chalky matter generated by eating too much meat. It is also the fact that such fresh fruits as the apple, the pear and the plum, when taken ripe and without sugar, diminish the acidity in the stomach rather than provoke it. Their vegetable salts and juices are converted into alkaline carbonates, which tend to counteract acidity. A good ripe raw apple is one of the easiest of vegetable substances for the stomach to deal with, the whole process of its digestion being completed in eighty-five minutes.

"Gerard found that the 'pulp of roasted apples mixed in a wine-quart of fair water, and laboured together until it comes to be as apples and ale—which we call lamb-wool—never falleth in certain diseases of the rains, which myself hath often proved, and gained thereby both crowns and credit. The paring of an apple, cut somewhat thick, and the inside whereof is laid to hot, burning or running eyes at night, when the party goes to bed, and is tied or bound to the same, doth help the trouble very speedily, and contrary to expectation—an excellent secret."

"A poultice made of rotten apples is of common use in Lincolnshire for the cure of weak or rheumatic eyes. Likewise, in the Hotel des Invalides, at Paris, an apple poultice is used commonly for inflamed eyes, the apple being roasted and its pulp applied over the eyes without an intervening substance. A modern maxim teaches that—To eat an apple going to bed, the doctor then will beg his bread."

"Oh, That Day Would Come!"

Is the prayer of many a sleepless invalid who tosses the night out upon a couch whose comfort might well induce slumber. The finest inductive of health-yielding, refreshing sleep is Hostetter's Stomach Bitters, since it invigorates the nerves, allays their super-sensitiveness, and renovates falling digestion. It is incomparable also in malaria, constipation, rheumatism, neuralgia, liver and kidney complaint.

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The Young Folks.

Nearer Home.

One sweetly solemn thought
Comes to me o'er and o'er;
I'm nearer my home to-day
Than I have been before!

Nearer my Father's house,
Where many mansions be;
Nearer the great white throne,
Nearer the crystal sea;

Nearer that bound of life
Where we lay our burdens down,
Nearer leaving the cross,
Nearer gaining the crown!

But dimly lying between,
Winding down through the night,
Lies the dark, uncertain stream
That leads us at length to the light.

Closer and closer my steps
Come to the dread abyss;
Closer death to my lips
Presses the awful chrisms.

Father, perfect my trust!
Strengthen my feeble faith!
Let me feel as I shall when I stand
On the shores of the river of death—

Feel as I would were my feet
Even now slipping over the brink,
For it may be I'm nearer home,
Nearer now than I think!

—Phæbe Cary.

Phæbe Carey.

This American poetess was born at Cincinnati, Ohio, September 24, 1824. Her sister Alice, who was a cripple, was also a poetess. She spent more of her time writing than did her sister Phæbe. They were orphans, and the care of the household devolved on Phæbe. She was a cheerful, sweet-tempered little lady, very fond of society, and a brilliant conversationalist. She was witty, yet not causing others to bear the expense of her wit by giving them pain. She began writing verses at the age of 17. They were, at first, crude and imperfect, as she afterwards expressed it, yet they showed that the young writer's capabilities would expand with experience and practice. And so they did. Though not in rank with our most highly-gifted poets, they exhibit purity and simplicity.

One of her earlier poems, "Nearer Home," which has been set to music and sang at sacred gatherings, is one which is noticeable for its sweet simplicity and heart-felt purity.

Of the poems written by the Carey sisters, only one-third were written by Phæbe.

After her sister's death, Phæbe wrote a beautiful poem in memory of her sister. It was published but a short time before her own death at Newport, R. I., July 31, 1871. "Poems and Parodies," and "Poems of Faith and Love," are her principal works, and contain her best poems.

The Sandwich Islands.

These islands are called by the natives the Hawaii Islands. They belong to Polynesia, and were discovered in 1778 by Captain Cook. He was received by the natives with astonishment as well as delight. Their priests offered prayers in their temple to him. He was killed by a native, but his bones were preserved by the priests, and were worshipped until idolatry was abolished.

The natives belong to the Malayo-Polynesian race. They bear a strong resemblance to New Zealanders, and, considered physically, are among the finest races of the Pacific. Their skin is a reddish-brown; hair straight and black, and with the exception of the chiefs, are of moderate stature. They, like the New Zealanders, tattoo their bodies. They are a good-tempered, and peace-loving race. The women are fond of making flower garlands. All are fond of riding and swimming, and are experts in both.

Before the abolition of idolatry, they practiced cannibalism. The heart and liver of their human victims were eaten as a religious rite. The same parts of any prominent warrior, slain in battle, were eaten by the chiefs who were victorious, believing that they would inherit the bravery of the dead warrior.

At the time of their discovery, the natives were estimated at 400,000, but the race is dying out and will soon become extinct. The Chinese are immigrating there in large numbers. About 40,000 native Hawaiians remain.

The natives now live in wood houses, or in houses thatched with straw, and the better classes dress in European costumes.

Of these islands, twelve in number, eight are inhabited. The whole group of in-

habited islands has an area of 6,250 square miles.

Honolulu is the capital. It is the seat of the government and the residence of the king. Sugar, coffee, arrow root, rice, hides, skins and wool are the principal articles of export from this group.

Experiments.

To find magnetic iron in any common basaltic rock: Wash the rock thoroughly with a small brush and soapsuds, and rinse with clear water. Dry the rock until it contains no perceptible trace of moisture. Reduce the rock to a fine powder, and hold over it a magnet (an ordinary horseshoe magnet). Small grains of magnetic iron will cling to the magnet. Basalt is of a dark color, and of volcanic origin.

An explosive compound may be made by mixing aqueous ammonia and iodine. By digesting iodine in an excess of aqueous ammonia, the mixture may be exploded by friction even under water, and in a dry state can hardly be touched.

If a strip of zinc be placed above the tongue and a silver plate under the tongue, a peculiar taste will be experienced when these two metals are brought in contact. Now put the silver between the gums and the cheeks, and a flash of light will appear to pass before your eyes as often as these two metals touch.

Quotations.

Of all sad words of tongue or pen,
The saddest of these: "It might have been."
—John Greenleaf Whittier.

"No one is so accused by fate,
No one so utterly desolate,
But some heart, though unknown,
Responds unto his own."
—Henry W. Longfellow.

Topics for Composition.

[Contributors please send manuscript two weeks in advance.]

- September 30—The old Independence bell.
- October 7—Ships.
- October 14—Benefits of civilization.
- October 21—Famous Painters.
- October 28—Superstitions of the Savages.

Questions—No. 3.

[The boys and girls who read this paper are invited to contribute to this department.]

1. What was Nathaniel Hawthorne's best work?
2. Of what was the Roman legion composed?
3. Name some of the largest geysers in the world.
4. What is the full name of Queen Victoria?
5. Describe the longest tunnel in the world.

ANSWERS TO QUESTIONS GIVEN SEPTEMBER 6.

1. Torricelli invented the telescope.
2. Carthage.
3. Goodyear discovered the process of vulcanizing caoutchouc, or India rubber.
4. The birds, though of most brilliant colors, are said to be songless. The flowers, though of rare beauty are odorless. The fish come out of the water and scale the highest trees.
5. The change of dress and improvement in the social affairs of the Sandwich Islanders were caused by the efforts of missionaries.

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The twenty-fifth annual meeting of the Kansas State Horticultural Society will be held at Beloit, December 8, 9 and 10, 1891. Further particulars will appear in this paper previous to the meeting.

W. P. Brush, so well known in Alliance circles and who did such effective pioneer work in the organization of the Alliance in Kansas, has bought into the *Live Stock Indicator*, at Kansas City, and assumes the business management. That paper is fortunate in the acquisition of Mr. Brush.

Harper county proposes to wind up the fair season by an old-fashioned fair at Harper, on October 14, 15 and 16. Besides the usual attractions, they will have a balloon ascension and parachute descension two days, and each political party will have a demonstration one day of the fair.

The proclamation of the President opening to settlement and homestead entry the newly ceded lands of the Sac and Fox, Iowa and Pottawatomie Indians went into effect at noon of the 22d inst., and the rush of settlers was tremendous and the excitement intense. Much trouble and confusion is anticipated at the time of our going to press.

The detailed report of the State Fair has crowded out several communications as well as some of the regular departments this week, but we will not let special reports or advertising intrude on regular space very long, for, if necessary, we will add four extra pages. We are determined that no other dollar weekly shall give as much interesting and valuable matter for the farmers as the **KANSAS FARMER**.

The Kansas State Veterinary Medical Association held its annual meeting in one of the rooms of the Copeland hotel, at Topeka, on Thursday evening of the State Fair week. Although the attendance was not large, the association being as yet only in its infancy, the interest taken by the members showed the organization to be founded upon a solid basis, and composed of men who have placed their shoulders to the wheel with a full determination to win or die.

Prof. W. T. Foster, of St. Joseph, Mo., in his latest weather forecasts, predicts a "remarkable period of great storms will occur during the first half of October, that will be surpassed only by those that will occur in March, 1892. There will be three storm waves during this storm period which will cross the continent from west to east along the usual storm center routes. The first of these storm waves will be most severe in the Mississippi valley, and the last one on the Atlantic coast. The first of these storm waves will be due to leave the Pacific coast about September 30, cross the Rocky-Alleghany valley from October 1 to 3, and reach the Atlantic coast about the 4th. On the 2d

this storm wave will be crossing the Mississippi river not far from St. Louis, and will then be of very considerable force in Illinois and Missouri. Accompanying this storm wave may be expected tornadoes, cloud-bursts, hail and severe gales, and within one or two days following it, killing frosts will visit most localities north of latitude 36°, with a strong probability of frosts much further south. Hurricanes will develop great force on the North Atlantic at this time, but I cannot give their exact location, but they will probably be not far east of the West Indies. These hurricanes will become very fierce along the Atlantic coast from 1st to 18th of October. These October storms will indicate what the coming winter will be. I expect very great storms from the first of October to the last of March, and if this period of storms covering the first half of October proves to be of more than usual force, it will prove that I have not miscalculated the weather, and we may then confidently expect a very cold, severe and stormy winter, setting in quite early. Saturn will pass its equinox the last of October, and to that influence I attribute the great increase of storms since the middle of last May."

KANSAS STATE FAIR.

The Kansas State Fair, held at Topeka last week, was favored with good weather from beginning to finish, with the exception of being much warmer than usual. Generally speaking, the fair was a success; it was certainly a financial success, although the attendance was not up to the expectations, except on Thursday, when the number of visitors was estimated at over 45,000. Detailed reports of the different departments are given in another place, especially in the live stock exhibit, which was the leading feature of the fair.

The poultry exhibit was the best ever shown on these grounds, and a detailed report of the same has been carried over to our Poultry department next week.

The exhibits in Agricultural hall, which contained the county exhibits, individual agricultural displays, dairy, apiary, household and pantry stores, was, as a whole, the best ever seen in the hall, particularly, the county displays and pantry stores excelled.

The county exhibits were made by Wyandotte, Shawnee, Finney, Lyon and Linn. The judges who passed on them were Messrs. N. H. Gentry, Sedalia, Mo.; Lewis Bennett, Lee's Summit, Mo., and Col. J. F. True, Newman, Kas., who awarded first premium (\$300) to Wyandotte county, which scored 92 points—made up by 15 points on corn, 20 on threshed grain, 20 on grain in sheaf, 9 on grasses, 13 on vegetables, and 15 on artistic display; the second premium of \$150 was awarded Shawnee county—89 points; the third premium of \$100 to Linn county, with 71 points; and the fourth premium of \$50 to Finney county, with 61 points. The committee recommended a \$25 prize to Lyon county for 51 points. There was general complaint from the exhibitors on account of the awards as being unfair, especially with reference to Shawnee, Lyon and Finney.

Much credit is due Mrs. J. G. Otis, superintendent of pantry stores, for the elaborate and tasty exhibit made—the best ever made at the State Fair. There were fifty-six cakes, seven large collections of jellies and canned fruits, fifty-eight different exhibits of preserves and jellies (individual entries), and thirty-two exhibits of sweet and sour pickles, besides a large number of displays of dried fruits. Among the countless exhibits of canned fruits was one can of gooseberries from Rossville, which had been canned twenty years, and was still in good condition.

The attractions of the speed ring and the performances of the yearlings at this fair were never equaled in the West, and other States will have to look well to their laurels since the record made by the yearlings that trotted in the Updegraff stakes. Next week we shall have something to say in detail regarding Kansas colts, which will be of interest to our horsemen.

In one respect the State Fair eclipsed anything ever shown at any Western fair, and that was the exhibit made by the State Agricultural College. The display occupied the old poultry building, and consisted of all kinds of grain, grasses, fruits and vegetables experimented with and grown on the college farm. It was well worth a trip from any part of the

State to behold and study, and those who saw it are proud of the work of that institution.

If we are to judge from the expressions of the visitors, as well as the exhibitors at the State Fair this year, it is manifestly evident that there will have to be some radical changes made by the association, or possibly a reorganization of the board, if we are to have hereafter a State Fair in fact as well as in name. No one has any criticism or complaint to make of the officers or the superintendents of the various departments, but the criticism is confined chiefly to the association, which does not seem disposed to bring the State Fair up to the standard of Nebraska or Iowa State fairs, when in fact Kansas should lead in this as well as other Western enterprises. The association is entirely too conservative, and handicaps the work of its officers by a too close-fisted policy, and the State is humiliated by having a State Fair inferior to those of our sister States. Let us have a more public-spirited board and liberal management, and the Kansas State Fair will equal if not surpass all other Western fairs.

STATE TEMPERANCE UNION.

The annual convention of the State Temperance Union was held in Topeka last week and was well attended by earnest workers who seem determined that Kansas shall take a front rank in the temperance work.

The officers elected for the ensuing year are as follows: President, James A. Troutman, Topeka; Vice President, D. C. Milner, Manhattan; Secretary, F. O. Popenoe, Topeka; Treasurer, Samuel T. Howe. Executive committee—Samuel T. Howe, A. H. Vance, B. Kelly and Mrs. D. A. Thurston, of Topeka; W. H. Stout, Fort Scott; Samuel Detwiler, Hiawatha; A. S. Embree, Leavenworth; S. B. Fleming and H. W. Lewis, Wichita; Charles W. Devolf, Garnett; L. A. Davis, Newton, and Miss Aruada, Pleasanton.

The convention adopted the following resolutions, which were preceded by a preamble reciting the benefits of prohibition:

Resolved, That we earnestly call upon all Judges, County Attorneys, Sheriffs, Police Commissioners, and other officers of whatever grade, faithfully to discharge their sworn duties in the enforcement of all laws.

We deplore the non-enforcement of the law, in certain localities of this State, and believing that the sentiment of the people is undiminished, we lay the fault at the door of the State and county officials charged with the enforcement of the law; and we pledge our aid and encouragement to proceedings for the removal and punishment of such officers who refuse to do their duty, and call upon all prohibitionists, and other law-abiding citizens, to assist us to this end.

We respectfully urge upon all churches and temperance organizations, upon all W. C. T. U. associations, to whose fidelity our cause owes much, and I. O. G. T., all editors, ministers and teachers, all citizens of every avocation; the necessity of renewed exertions on all lines of work, both moral and legal. While we avail ourselves of the strong arm of the law, we insist, as we have always done, upon the prime importance of moral influences, and of education given in the home, in the school, and from the platform and pulpit.

We recognize the valuable service rendered to our cause by the W. C. T. U., and the Independent Order of Good Templars, and all other temperance organizations; and we assure the members of those organizations of our cheerful co-operation with them in their work.

We heartily approve of the Metropolitan police system, and we believe that the honest and fearless discharge of their duty by the Police Commissioners will secure for our larger cities the efficient and economical enforcement of the law; and in the interest of the public we respectfully demand of the Governor of the State that the Police Commissioners shall render such discharge of their duty, or that, in failure to do so, they shall be summarily removed.

We express to the prohibitionists of Iowa, the Dakotas and other prohibitory States, our most earnest wishes for their success in the important contest in which they are now engaged.

The address concludes as follows: "We have lived to see the general closing of saloons in this State. The corrupt educating power of the saloon in Kansas is gone, and gone to stay. But our work is not completed. We ask all, of whatever platform or creed, all men and women who love their families and their homes, to join with us in the struggle to reach the day when, by the grace of God, we shall have locked the door of the last joint in the State of Kansas. We shall hold our ground. We shall move forward to assured and glorious victory. Appealing to the intelligence and conscience of our fellow citizens, we again throw aloft the old banner, storm-worn, but with blazonry undimmed, for truth and right, for our families and homes."

Examine our list of books on page 11. It may be possible you can find just what you want.

SOME PRACTICAL RESULTS OF EXCELLENCE IN FARMING.

The important question in considering methods of farming is, as in other avocations, which method yields the best results for the labor and capital employed? It is frequently held that high-grade farming does not pay on cheap lands. It is not the purpose of this article to discuss this proposition, neither to enter into a consideration of the merits or demerits of the plan often pursued of slight farming in order to bring a larger area of new land under cultivation, but to point out some results of systematic high-grade farming of a particular crop in Kansas.

It has been one of the hopes of the **KANSAS FARMER** as well as of many Kansas farmers that sugar-making from sorghum would eventually become a somewhat general industry in this State. The earlier experiences were discouraging. When the United States Department of Agriculture began to investigate the subject in Kansas the reports of the chief chemist were to the effect that the sorghum cane juice contained too small a percentage of crystallizable sugar, and too large a percentage of other substances to become a profitable material to be used in sugar-making.

It is a maxim received among sugar-makers as approximately correct, that if a juice contains crystallizable sugar and the usual other substances in solution in equal parts, no sugar can be crystallized from that juice until a portion of these other substances shall have been removed. In any case, only the excess of the crystallizable sugar over the other substances in solution can be crystallized or obtained in the form of sugar. Thus: if cane juice, after clarification, contains say 8 per cent. sugar and 8 per cent. of other substances in solution, none of the sugar can be crystallized. If cane juice contains 11 per cent. of sugar and 5 per cent. of other substances in solution, then the per cent. of sugar that can be crystallized is 6 per cent. of the weight of the juice.

The discouraging reports of the chief chemist were based on the fact that in the juices obtained during the earlier experiments the percentage of cane sugar but little exceeded that of the other substances in solution.

Allusion was made last week to certain experiments which have been for some time in the past and are at present in progress for the betterment of the quality of sorghum cane. In addition to these experiments, which are being conducted by experts, another series of practical experiments on a large scale are in progress by farmers near Medicine Lodge. The sugar factory at that place pays for cane prices varying according to the amount of sugar it contains. This is a vast improvement over the method of paying a uniform price for good and poor alike, but it is not quite fair to the producer of the best cane, for the following reason: It has been found that the percentage of substances not cane sugar in solution in the juice is measurably constant and is reduced but little below 5 per cent. in the best canes. Now the farmer who sells cane containing say 9 per cent. of sugar, sells only 4 per cent. of the weight of his cane juice of available sugar; while the farmer who sells cane containing 18 per cent. of sugar, sells 13 per cent. of available sugar and should receive three and one-fourth times as much for his cane as his neighbor who produces the 9 per cent. cane.

But while the scale of prices does not show so wide a range as this, its variation constitutes a powerful incentive to good farming. This in these experiments has consisted (1) in using seed selected from the canes which yielded the largest percentage of sugar; (2) in thorough preparation of the land to be planted; (3) in great care in planting to secure the right stand; (4) in thorough cultivation.

It would make this article too long were an attempt made to consider minutely these several points. It remains to be said here only that the results have surpassed the most sanguine expectations. While ten tons per acre was formerly considered a good yield, the farmers who have given most attention to high-grade farming this season are reporting averages of twenty tons per acre; and while juice containing 10 per cent. of sugar was formerly considered good, the highest-grade farming is producing cane averaging 17 to 18 per cent. of sugar.

Look up our list of books on page 11.

Kansas Weather-Crop Bulletin.

The weather-crop bulletin of the Kansas Weather Service, in co-operation with the National Weather Bureau, (central office, Washburn college), in its resume of the weather-crop season ending September 10, 1891, says that the cold weather and large amount of snowfall in March, although generally beneficial to wheat and rye, prevented preparation of the ground for spring crops. The month of April opened cool, with much cloudiness, the first week giving much rain in the central and western counties, while the northern and southern remained deficient.

By the 10th of April much plowing had been done, oat sowing was in progress, and the prairie grass had made a good start. By the 18th the oats were generally sown, and in the south the corn was planted, while the wheat and rye had made excellent progress. This week gave us some warm weather, which continued through the following week, by which time the oats were making a fine start all over the State, cherry and peach trees were in full bloom, and all vegetation had made a phenomenal growth; in the extreme southern counties corn was six inches high, wheat ten to fifteen, while rye was heading out.

By May 1 the prairie grass was furnishing good pasture for all stock. The large rainfall during the first half of April, followed by the warm weather in the last half, made a rapid growth in all crops, which, however, received quite a check during the dry weather of the first half of May. In the southern counties the wheat began heading the first week in May, while strawberries ripened the second week; this week the drought was broken by abundant rains in the west and northwest counties, which became general over the State during the succeeding week. On account of the dry weather during the first of the month the cool weather proved beneficial to all crops, but during the last half it was a detriment. The abundant rains and cool weather continued through the rest of the month, giving great impetus to wheat, rye, oats, grass and fruits, but retarding corn and the vegetable garden. Home-grown strawberries began supplying the tables of the central counties during the fourth week of May and the tame grasses were ready for the first cutting.

The first week in June gave us a continuation of the wet weather, but with the temperature much more seasonal, and corn commenced making a rapid growth; wheat harvest began in the southern tier of counties this week. The second week in June the farmers were enabled to get into their corn fields in a large part of the State. Rains stopped the wheat harvest in the central counties the third week, while the crop conditions in the western counties were most excellent; during this week a "dry spell" extended through the southern tier of counties west of Chautauqua, and during the week ending July 4 moved in the counties east of Harper, yet through the greater part of the State the first week in July was the great corn week of the season, the weather having become more nearly normal in all its departments. Rye harvest ended in the eastern counties. During the second week in July peaches and apples were marketed in abundance in central and southern counties, small fruits abundant in all parts except the newest, and corn grew rapidly. The third week the dry weather narrowed down to Elk, Wilson, Montgomery, Labette and Cherokee; the State generally was well watered, especially in the central counties; corn in tassel, much of it in silk. The next week was a good one for general purposes; wheat harvest over, oats harvest nearly so, flax harvest begun, haying in progress. The drought continued in the southeast the rest of the month, with cool, cloudy and wet weather in the rest of the State, and corn growing rapidly.

The first week in August gave an entire change over the State, a greatly diminished rainfall and much more sunshine, yet a lower temperature; the drought in the southeastern counties extended over the larger part of the southern half of the State, but during the second week was reduced to the counties south of Miami, Coffey and McPherson, and east of Stafford, Kingman and Comanche; high temperature and much sunshine this week; in the western counties rains put the ground in good condition for fall plowing; in the southeastern counties the long continued

drought (this being the seventh week), coupled with the high temperature, began to affect not only the corn, but also the shade trees; hay crop is proving the best for some years. Hot dry weather prevailed during the third week of August, until the last two days when the temperature rapidly fell, snow falling for some minutes during the middle of the afternoon of the 21st near the central part of Ottawa county. The dry, hot weather this week was favorable for the early corn, but unfavorable to the late corn, the former being nearly matured. The drought was broken this week in Labette and Cherokee, but too late to benefit except fall plowing and renew stock water.

Cold dry weather characterized the fourth week in August, except in the western and extreme eastern counties, where good rains fell; frosts occurred on Sunday and Monday, but too late to damage. The continued dry weather began to shorten the late corn crop by too early maturing; at the close of the week the hay crop had been very generally secured.

The first of September was a continuation of the dry cool weather of the preceding week; corn-cutting was vigorously pushed to save the fodder. Good rains in the western and northwestern counties during the second week in September gave new life to the late corn there, and enabled fall plowing to be successfully pushed.

The hot, dry, windy weather of the third week has so rapidly dried out the corn plant as to render it difficult to save for fodder.

Kansas Swine-Breeders' Meeting.

The annual meeting of the Kansas Swine-Breeders' Association was held in the parlors of the Copeland hotel, Topeka, September 18. The following well-known breeders were present: Col. M. Stewart, Wichita; Hon. T. A. Hubbard, Wellington; Mr. Cook, Wichita; M. B. Keagy, Wellington; Dr. Watkins, Harper; H. A. Heath, KANSAS FARMER; W. E. Gresham, Burrton; J. B. Tillinghast, Chas. Munson; Dr. P. A. Pearson; P. W. Gunckel; G. W. Berry, Berryton.

Officers were elected by acclamation, as follows: Col. M. Stewart, President; W. S. Hanna, Vice President; G. W. Berry, Secretary; M. B. Keagy, Treasurer. Executive committee—W. E. Gresham, Dr. P. A. Pearson, and V. B. Howey.

A resolution was passed by a unanimous vote endorsing W. A. Phillips, of Topeka, for Superintendent of Swine at the World's Columbian Exposition.

The Secretary was instructed to draw up a resolution of respect in memory of the late P. J. Trostle, who was a member of the association.

After a discussion as to the best place of holding the next meeting, it was decided to call a meeting in connection with the State Board of Agriculture and Improved Stock Breeders in January next.

G. W. BERRY, Secretary.

Census Statistics of Hops.

The Census office has in press a bulletin showing the production of hops in the United States. This bulletin was prepared by Mr. Daniel A. Ray, under the supervision of Mr. John Hyde, Special Agent in charge of the Division of Agriculture. The statistics show that hops are grown for commercial purposes in seventeen States. In the year 1889, 50,303 acres of land were cultivated in hops, producing 39,163,270 pounds. New York heads the list with 36,670 acres, yielding 20,063,029 pounds. Washington has 5,113 acres, with a crop of 8,313,280 pounds; California 3,074 acres, producing 6,547,338 pounds; Oregon 3,130 acres and 3,613,726 pounds, and Wisconsin 967 acres with 428,547 pounds.

These five States, known as the hop-producing States, produced 99½ per cent. of the entire crop of the United States.

New York, with 73 per cent. of the hop acreage, produced 51¼ per cent. of the hops grown in the United States. The highest average yield per acre was in California, 1,648 pounds. Washington averaged 1,625 pounds per acre, Oregon 1,155 pounds, New York 547 pounds, and Wisconsin 443 pounds.

The increase since 1880 in the crop of California was 5,103,261 pounds, Oregon 3,369,355 pounds, and Washington 7,610,003 pounds. In the same time the decrease in the crop of New York was 1,565,902 pounds, and of Wisconsin 1,538,280 pounds.

This bulletin also contains statistics of

the hop crop of the year 1890, presented for the purpose of comparison of yield and value with those of 1889. The total yield in 1890 was 36,857,854 pounds, being 2,305,416 pounds less than in 1889. The cash realized, however, for the crop of 1890, was \$11,102,124, while the crop of 1889 was sold for only \$4,056,497. This great difference resulted from the low price in 1889 and the high price in 1890. The average price per pound was about 10 cents in 1889, and 30 cents in 1890.

Wisconsin has retrograded in rank as a hop-growing State, from a production of 4,630,155 pounds in 1869, 1,066,827 pounds in 1879, to 428,547 pounds in 1889. The three Pacific Coast States have rapidly increased in importance in hop production, as follows: 1869, 640,971 pounds; 1879, 2,391,725 pounds; 1889, 18,474,344 pounds.

The increase in the consumption of malt liquors, which require hops in their manufacture, in the United States, from 344,605,485 gallons in 1879, to 779,897,426 gallons in 1889, being an increase of per capita consumption from 7.05 gallons to 12.08 gallons, in a period of ten years, furnishing a striking illustration of the principal cause which has made hop-growing one of the important agricultural industries of the United States.

Gossip About Stock.

J. K. King, of Marshall, Mo., in remitting for an advertisement, says that his hogs are now doing well.

Our representative in attendance at the Cameron, Mo., fair, reports that M. E. Moore "swept the platter clean" in their class with his fine herd of Holstein-Friesian cattle.

Quincy McBride, of Burton, Mich., was at the Detroit exposition with a full show of Duroc-Jersey swine, and captured five firsts, five seconds, and sweepstakes on sow and litter. There were some beauties in this show, says our Chicago manager.

Don't forget the great public sale of thoroughbred Poland-China swine, advertised on the last page, by Robert Rounds, of Morganville, Kas., to be held September 29 and 30. The offering consists of 250 head of his own breeding. Stock are recorded or eligible.

The attention of our readers is called to the advertisement of E. L. Treadway & Son. Owing to a change in business, these gentlemen have to close out their sheep interests. As these sheep are all from prize-winners in rings where there was strong competition, some one will get good bargains in purchasing of these gentlemen.

Our representative in attendance at the Trenton (Mo.) fair reports it a miserable failure, both in exhibits and attendance, caused by the bad business judgment of the management in showing partial treatment for the last two seasons. Like all fairs under such management, this one is reaping the reward deserved by all such ill-managed concerns.

Our Chicago manager writes us concerning the exhibit of Berkshire swine of Mr. M. Hebblethwaite, of Berlinville, Erie county, Ohio, at Detroit exposition. Mr. Hebblethwaite took six firsts, three seconds and three sweepstakes prizes, and his show was a very worthy one. He has a large herd, and is well prepared to supply Berkshires of the very best class.

Mr. Holder, of the firm of Holder & Raymond, located at Bloomington, Ill., and Wiley, Kas., has returned from France with a new invoice of black Percherons and fine coach horses, and they are now at the front with first-class horses, mares and colts, all in good shape and at prices within the reach of farmers who need them.

L. P. Stock, of North Topeka, is the lucky man that secured C. F. Stone's prize-winning dairy cow, Swiestra 635 H. H. B. This cow won first on both milk and butter in grand sweepstakes open to all breeds at the State Fair last week. Her record will appear in our next issue under the head of "Dairy Test at State Fair." M. E. Moore, of Cameron, Mo., captured Swiestra 2d.

Mr. Levi Arnold, of Plainwell, Mich., who is the standard Poland-China swine breeder of Michigan, was seen, and stated to our representative that while the hog market has been rather quiet, owing to the scarcity of feed, the prospect for the coming season is exceptionally good. He has upwards of 600 head of fine hogs, and expects to have two or three public sales

during the coming season, at which those whose choice are Poland-Chinas may have a chance to secure some choice hogs. He expects to have one sale in Nebraska or Kansas, one in Canada and one at his home in Michigan.

Captain J. J. Bell, a well-known and esteemed farmer living near Lawrence, Kas., was fatally gored by a ferocious bull September 15. He was passing through the pasture alone when the bull attacked him. His son entered the pasture and found the enraged animal goring and stamping on the prostrate body of his father. Captain Bell has been unconscious ever since and the doctors say he cannot possibly recover.

One of our representatives reports the Cameron (Mo.) fair, held September 7 to 12, inclusive, a splendid success in exhibits and attendance. The management should be complimented for the impartiality and good business by which they made the fair a paying one, as well as an advertising medium for northwest Missouri. Among the exhibits noticed were Cornish & Patten's fine show of Herefords, consisting of fourteen head, headed by the grand bull, Western Eagle 28109. This magnificent animal weighs 2,330 pounds.

Our representative visited Inglewild stock farm, owned by John I. Breck, of Paw Paw, Mich., populated with choice Jerseys, which he viewed with much admiration. Blond Bessie 72870, and Brunette Beauty 72871, are Mr. Breck's choicest cows. Mr. Breck also has a very choice bull with blood of special worth—Michigan Stoke Pogis 26637, that was dropped in 1890, with black tongue and switch. Mr. B has not a large herd, but has choice stock, and has designed a farm which will doubtless be as fine as there is in that State.

Farmers contemplating purchasing a Shropshire stock ram or some good ewes can find 100 imported yearlings at "The Willows," Paw Paw, Mich., that are now selling at private sale. Tuesday, September 29, Mr. Eugene Fifield, of Bay City, Mich., will join "The Willows" and they will sell 200 at auction, without reserve. Their sale was a satisfactory one last year, and this year's importation is from nothing but first-class English flocks, such as Minton's, Berry's and Bowen-Jones'. Breeders wanting first-class sheep can always rely upon the sheep from "The Willows."

Our Chicago manager has recently visited a few of the prominent stock men of Michigan. After attending the fair at Detroit he made his way to "The Willows" Paw Paw, Mich. "The Willows" is a farm whose owner is Mr. Geo. E. Breck, a prominent lawyer, who has not only made himself popular in handling legal questions, but is regarded one of the most successful of the Shropshire sheep breeders. He has recently imported 200 head, consisting of fifty rams and 210 ewes. A number of these have won honors at "The Royal," in England, notably that famous ram Barr Chief No. 151, which is doubtless the best in America to-day. "The Willows" is especially well designed for sheep purposes. A new barn has recently been erected with silo and all other modern conveniences for sheep breeding.

Mr. Cornelius Easthope, of Niles, Ohio, proprietor of the Howland Jersey farm, exhibited at the Detroit exposition about twenty-five head of Jersey cattle. The famous cow Nancy Lee, valued at \$5,000, was the center of attraction of the Jersey exhibit. This cow has never failed to win first prize. He also had two of the best bulls of the Jersey family there. The famous Azelda's Wanderer and his son, King of Ashantee, were present. Azelda's Wanderer has been the capturer of first prize in nearly every exhibit before, but his son, King of Ashantee, was the lucky individual this time. Mr. Easthope's Jerseys were in excellent condition for show purpose—not overly fed, but well kept and presentable. His herd of milkers were viewed with much interest by our Chicago manager, when in attendance at the exposition at Detroit.

Premature gray whiskers should be colored to prevent the appearance of age, and Buckingham's Dye is by far the best preparation to do it.

First premium on Business Penmanship. Call and see it at Pond's Private School of Business, 628 Kansas avenue. Then join the school, day or evening, and learn how to write it.

Horticulture.

HORTICULTURE AT THE STATE FAIR.

Undoubtedly the finest display of fruit ever exhibited at the Kansas State Fair was seen and admired by the many thousands at the fair grounds last week. For a general display, outside of tropical fruits, no State in America can excel the one just closed at the Kansas State Fair.

The Shawnee county exhibit was awarded the first premium. This magnificent exhibit contained one hundred and twenty-nine varieties of apples, forty of grapes, twenty-five of peaches, about thirty of pears and eighteen or twenty of plums. The whole display was most tastefully interspersed with a beautiful collection of flowers.

The Douglas county display won second premium. This exhibit was collected by those two veteran horticulturists, B. F. Smith and Samuel Reynolds, who have so well worked together in representing "old Douglas" for the past eight years. The display was a very fine one, and the specimens were both large and beautiful. In viewing this show a person from Illinois was heard to say: "Well, that beats our State." Another person asked: "Did all this fine fruit grow in Kansas? Didn't you get some of it from Texas?"—and there was no joke intended, either. In this display were one hundred and ten varieties of apples, twenty-two of pears, and a good showing of grapes, peaches, quinces, and other minor fruits. Its nomenclature was the most correct of all the numerous displays in the Exposition building; so said the committee. Douglas county is always welcome at the Kansas State Fair, especially so when represented by two such competent and genial gentlemen.

Osage county was awarded third premium. This fine collection of fruit was under the careful management of W. Jackson, and consisted of forty-seven varieties of apples, eight of grapes, six of peaches, six of pears, three of crab apples, and two of plums. Although third in the race it was a display of fruit that any county might well feel proud of.

The largest display of fruit from any one farm was exhibited by A. L. Ensminger, of the Silver Lake fruit farm, Shawnee county. It consisted of one hundred and twenty-one plates of apples, comprising over fifty varieties; twenty-one plates and varieties of pears, twenty-one of grapes, six of plums, fourteen of seedling peaches, two of crab apples. Among this creditable display were several varieties of fruit out of season, kept by cold storage, for instance, Red June apples, which were as perfect as any on exhibition.

B. F. Smith, of Lawrence, exhibited one of the finest displays of pears ever shown in the State.

The floral exhibit was large and very fine, plainly showing increasing taste and interest for this fascinating product, and that refinement and sentiment and love for the beautiful have an important place in the hearts of the people of Kansas.

Pruning Neglected Apple Trees.

The *Practical Farmer* gives the following directions for managing a tree that has grown for some years without the pruning shears:

When a young farmer, about going into business on his own account, buys a farm containing an orchard which has never been pruned, or one which has been neglected for years, we know from experience that embarrassing difficulties confront him. When each tree is a complicated mass of exhausted branches, the refuge of numerous parasites, he is sorely tempted to try to bring it into regular production by heroic pruning, leaving only the stem and the principal branches, but he will seldom succeed by such treatment. A season or two of drouth, or of severe cold, will generally destroy the life of such a tree, and the owner will then find that it would have been better to pull it up by the roots than subject it to such an amputation. He ought to proceed gradually, say, cut off the top at the distance from the ground about equal to the greatest diameter the tree will have when pruned; suppress the vertical branches which follow the direction of the stem; cut out the dead wood and all that hinders the climbing of the picker into the tree; let every

leafy part receive air and light; remove the unhealthy branches and those which have not room to grow; clear the shoots from about the trunk. This may not bring fruit the first year thereafter, but it will prepare the tree for the regular annual pruning, one object of which is to give it an agreeable shape in accordance with its habit; another to draw the sap to the extremity of each twig and leaf, and thus to improve the size and flavor of the fruit, as well as the general productiveness.

Rational pruning is based upon a knowledge of the physiology of our fruit-bearing trees. Some of them, like the vine, bear their fruit on the wood of the year; others, like the apple and pear, on the old wood, a branchlet appearing this year and bearing the next. Examination of the peach goes to show that the part which has once borne will not again do so, but it may grow for several years until exhausted and then put forth a bearing branchlet at its base. To nip it off before it becomes exhausted, hastens the production of this branchlet, and the nipping off may be so timed as to secure the production by the following year. Based on the principle of the annual substitution of a new branchlet for the old one, the pruning of the peach has been brought to great perfection, the new branchlets being full of flowers and fruit. These branchlets being prevented by nipping from becoming wood boughs, new branchlets are brought for the following year. Such careful pruning both increases the quantity of fruit and prolongs the life of the tree. The pinching back of the branchlets while the fruit is on them, and the consequent growth of the new twigs for next year's crop, do not interfere with the maturing of the fruit. Trees thus treated require good cultivation and heavy manuring. Should they show signs of weakening, biennial pruning on the same principle may generally be resorted to with advantage.

Just how an alterative medicine cleanses the system is an open question; but that Ayer's Sarsaparilla, does produce a radical change in the blood is well attested on all sides. It is everywhere considered the best remedy for blood disorders.

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Ask your druggist for Steketee's Hog Cholera Cure and Worm Medicine for horses combined. Every farmer should have a package on hand in case of necessity. Read Steketee's ad. in this paper.

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Look out for counterfeits. There is only one genuine. Better cut the advertisement out and have it to refer to.

The Poultry Yard.

Marketing Poultry.

EDITOR KANSAS FARMER:—When the weather will permit, it is nearly always best to market poultry dressed, as the less cost of shipping, with the better price that can be realized, will pay well for the extra work. Whether shipped alive or dressed, it is always necessary to have in good condition, and hence it is usually best to feed with good fattening foods all that they will eat up clean for ten days or two weeks before marketing. If shipped alive care must be taken not to crowd too many in the coops, especially if the weather is hot. The coops should have a solid bottom, but slatted on the top and sides, and be sufficiently high for the fowls to stand up. If to go any distance, the fowls should have all of the water they can drink and a good feed before being put in the coops.

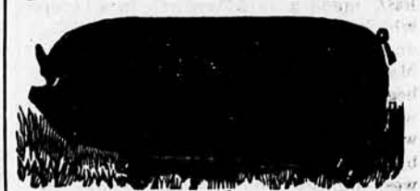
If to be dressed, dry-picking is nearly always preferable; and if the picking is done as soon as the fowl is killed and while the body is warm, it can be done rapidly and easily without tearing the skin. The feathers should all be saved, as they can all be marketed. It is best, however, to keep the different kinds separate, as a better average price can be realized this way than by mixing all together. Care should be taken to get all of the blood out as completely as possible, and to do this easiest a good plan, after drawing, is to hang up by the legs until all of the animal heat is out; this gives a good opportunity for the blood to drain out. Care in these two particulars will help materially in having the poultry arrive in market in good condition.

Clean boxes or barrels should be used to pack the poultry in. Cracker or shoe boxes or cracker barrels are clean. Line with manilla paper; newspapers should never be used. Clean rye straw will answer if the paper cannot be secured conveniently. An item is to have the packages clean and neat. In packing put the fowls in close, but do not crowd in so that they will be pressed out of shape. If not packed close they will bruise in handling the packages, while they can be jammed in so close as to press them more or less out of shape. Put a small quantity of straw or a layer of paper between each layer of fowls, and cover carefully. Mark the number and kind of poultry on the outside of the package, with the gross and net weights. If proper care has been taken they will arrive in market in good condition. N. J. SHEPHERD.
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In the Dairy.

It Is Not Always So.

A noted dairyman recently said: "I'd sell the best cow I ever had at eight years old. They are on the down hill after that!" The investigation that followed showed that he labored with a cow good for beef, and milk. Sometimes one and sometimes the other, and when his cow beef was ready he was wise enough to sell it. He had it right! A good dairy cow that puts her food into the pail, and not on her ribs, grows better for years, and the oldish cows are, and have been, quite as profitable as the younger ones. If cows are fed and well cared for, and not compelled to be foragers in summer, and manure pile scavengers in winter, there is no reason why a good cow at eight years may not be a good cow at fifteen. Now that succulent foods are largely the winter ration, the cow that is kept warm and comfortable in the stable, is valuable for milk, and good milk, for years, and can be depended upon with far more certainty, now that she has proved herself a good cow, than can the helper or boughten cow that is to supply her place. Keep the good, generous milking cow as long as she is profitable and then, Christian-like, consign her to a bologna sausage factory, and use the feed that would be required to fatten her into 1-cent beef to feed other cows in milk, or take her to the woods and give her a respectable burial.

Hints for the Factorymen.

J. H. Monrad, in his "Dairy Messenger," gives the following pointers:

"Cheese-makers who as yet agree to give one pound for ten should not run a single day without a test. No cheese-maker should be without a "Fermentation Test" to trace tainted milk. Cheese-makers should pay attention to the moisture in their curing rooms. The paying of milk for cheese-making by the oil test is practically just. If not quite just, yet is ten times as just as the present pooling plan. Factorymen who buy milk right out should do so according to the test—let them fix a certain price for 100 pounds of 4 per cent. milk. No factoryman should be without a test (even if he will not pay by it until compelled to do so) so as to control his own work as well as to find out the unrighteous patron who waters his milk or skims for coffee cream, and the righteous (?) one who steals cream for church festivals. Some factorymen are inclined to make the following mistake in speaking about the average per cent. of fat in their milk: Say A has 200 pounds of milk testing 3 per cent., or 600 oil units; B has 400 pounds of milk testing 2 per cent., or 800 oil units; C has 100 pounds of milk testing 4 per cent., or 400 oil units. They simply add 3, 2 and 4—9, and divide by 3, giving an average of 3 per cent., whereas they should multiply the pounds of milk with the per cent. of fat and then add the oil units 600, 800 and 400, making 1,800, and divide this by the total milk delivered, 700 pounds, which gives the real average richness as 2.57 per cent. and not 3 per cent."

Brains vs. Muscle.

The *Practical Farmer* says that seven out of ten dairymen are making no progress in bettering the industry in which they are engaged, is a matter that should interest the other three of the ten, and engage them in a little missionary work. The first thing to teach in this matter is that competition to-day is met with brains educated along special lines of industry; rather than met Trojan-like by matching muscle against muscle. The man who milks anything for a cow, feeds her on all meadow hay in the winter, and lets her go dry from December until April, is no match for the dairyman who reads and studies and is working on an intelligent plan, that breed is the foundation on which to make feed pay, and that foods need combining, and fed by systematic rules instead of no rule, and so on to the end of the list, the final one being that the consumer who buys the butter and the cheese, and the men who want better stock, are doing their own choosing, and asking that the demands be met, and the farmer who by main strength is opposing them, is finding that dairying does not pay, for they will not pay for what they do not want. To succeed nowadays every dairyman wants a skylight in the top of

his head, so to speak, into which may pour all the light possible on all these points, and these rays of light must come from observation, experience, comparison of methods, and dairy literature, and much of this last. Dairymen must broaden their minds, cut loose from tradition, and find out that their industry is of vast comprehension, and while the hand and muscle have much to do, they must be governed by a mind that sees, comprehends and directs along a line of studied action. These are the dairymen who succeed, and on these methods there is no patent.

Keep Economical Cows.

The cow for economy is the one that from a quantity of feed will produce the most and best milk or butter. This cow will not be any larger than is necessary to do her work and she will not store up a lot of fat that will be of no particular use to her owner. She will eat much more feed than a wasteful cow, but here one point showing her true economy comes in; while she eats more feed she gives a larger per cent. in return than the wasteful cow, and if we take a herd of economical cows and compare it with a larger herd of wasteful ones we will only have to furnish the food of support for the smaller herd while we get as much milk or butter as the larger herd gives. The difference between keeping a herd of economical cows and a wasteful herd may be the difference between profit and loss; it certainly will be a difference of a wide margin in the profits. The best is the cheapest, whether it be cows, feed or care, and the economical cow is the best cow no matter what her breed may be or whether she is of any breed; for dairy work alone we must look to the individuality of each cow.—*Stockman and Farmer.*

Influence of Food on the Quality of Butter.

Bulletin 13 of the New Hampshire Experiment Station reports as the result of experiments testing the effects of food on butter:

1. That gluten meal tends to produce a softer quality of butter than corn meal or cottonseed meal; and, other things being equal, tends to lessen the churnability of the butter fat.
2. That with the same cows the hardness of butter depends much more upon the character of the food than upon the nutritive ratio.
3. That ensilage produces a somewhat softer quality of butter than does good hay, but it is also favorable to the flavor and texture of the butter product.
4. That skim-milk has a very favorable effect upon the churnability and quality of the butter fat, and a single trial apparently reversed the general rule that the volatile fatty acids decrease as the period of lactation advances.
5. That cottonseed meal tends to produce an unusually hard quality of butter, and that cottonseed meal and gluten meal might be used together with excellent results.
6. That contrary to general belief the melting point of butter fat is not a good index of the commercial hardness of butter. That while in general a soft butter melts at a lower temperature than a hard butter, there is no definite relation between melting point and actual hardness.
7. That no relation can be traced between food and volatile fatty acids except in the case of skim-milk. That usually hardness and volatile acids vary inversely, hardness generally increasing and volatile acids decreasing, as the period of lactation advances.

Standard Investment.

S. S. Brandt, Montgomery, Mo., writes: "Send me a bottle of Quinn's Ointment. Have used it for Capped Hock, Windpuffs, Thoroughpin and Curbs with great success." Trial box 25 cents, silver or stamps. Regular size \$1.50 delivered. Address, W. B. Eddy & Co., Whitehall, N. Y.

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We cordially invite our readers to consult us whenever they desire any information in regard to sick or lame animals, and thus assist us in making this department one of the interesting features of the KANSAS FARMER.

INJURED JAW.—My mare got her jaw hurt about six weeks ago. It was swollen and I put turpentine on it once a day for three days, when it broke just back of and opposite the bridle bit.

ANSWER.—Your mare has either received an injury to the jaw-bone or there is ulceration of the roots of a tooth. If it is the former, it will require cutting down and removing all diseased bone.

DEFECTIVE GAIT.—A ten-year-old horse has been badly constipated for about thirty days. He passes grain whole and when travelling has an unusual number of operations.

ANSWER.—Your description of the case does not give us much of a clue to the trouble, but we think it likely that your horse is affected with chronic laminitis in his front feet, and he travels with his hind feet as far forward as possible to throw the weight of his body from the front ones.

Hood's Sarsaparilla is in favor with all classes because it combines economy and strength. 100 Doses One Dollar.

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EDITOR KANSAS FARMER:—My health has been very poor for the last twelve months, therefore I will reduce my breeding stock one-half, in order to get a little more rest.

TERMS OF SALE: Six months time on good security at 8 per cent. interest, with 6 per cent. off for cash.

THE BEST HE EVER USED. G. G. STEKETEE:—Please send me one more package Steketee's Hog Cholera Cure. I used one package on a horse.

MARKET REPORTS.

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Chicago. September 21, 1891. CATTLE—Receipts 16,000. Market active. Prime to extra native steers, \$5 25a6 00; others, \$3 25 a4 00; Texas, \$2 25a2 85; stockers, \$2 00a2 95; range, \$1 75a1 85; native cows, \$2 00a2 75.

St. Louis. September 21, 1891. CATTLE—Receipts 4,800. Market steady. Good to choice native steers, \$4 50a5 00; fair to good native steers, \$2 90a3 60; Texans and Indian steers, \$2 35a2 40; canners, \$1 30a2 20.

GRAIN AND PRODUCE MARKETS.

Kansas City. September 21, 1891. WHEAT—Receipts for past 48 hours 81,500 bushels. By sample on track: No. 2 hard, \$4; No. 3 hard, 70c; No. 2 red, 90c; No. 3 red, 86c.

Chicago. September 21, 1891. WHEAT—Receipts 237,000 bushels. No. 2 spring, 97 1/2c; No. 3 spring, 88a90c; No. 2 red, 88 1/2c.

St. Louis. September 21, 1891. WHEAT—Receipts 275,000 bushels. No. 2 red, cash, 96 1/2c.

HAGEY BROS., BROOMCORN Commission Merchants, ST. LOUIS, MO. The largest Broomcorn Commission firm in the world.

HORSE OWNERS! TRY GOMBAULT'S CAUSTIC BALSAM. A SAFE, SPEEDY AND POSITIVE CURE for Curb, Splint, Sweeney, Capped Hock, Strained Tendons, Founder, Wind Puffs, Skin Diseases, Thrush, Diphtheria, Lameness from Spavin, Ringbone or other Bony Tumors.



SUPERSEDES ALL CAUTERY OR FIRING. IMPOSSIBLE TO PRODUCE SCAR OR BLEMISH. Every bottle sold is warranted to give satisfaction.

JOB PRINTING of every description in first-class style. J. N. O. HARRIS, 429 Kansas Ave., Topeka.

Broom Corn

Kansas City Your Best and Nearest Market.

Mail me sample of your Broomcorn, stating how much you have and when you will be ready to ship, and by return mail I will write you what I will give for it on board cars at your station.

HUGH E. THOMPSON, 1412 & 1414 LIBERTY ST., KANSAS CITY, MO.

REFERENCES:—National Bank of Commerce, R. G. Dun & Co. or Bradstreet's Commercial Agencies.

The Kansas City Stock Yards.

Are by far the most commodious and best appointed in the Missouri Valley, with ample capacity for feeding, weighing and shipping Cattle, Hogs, Sheep, Horses and Mules. They are planked throughout, no yards are better watered, and in none is there a better system of drainage.

Kansas City Stock Yards Co. Horse and Mule Market.

CAPT. W. S. TOUGH, Manager. This company has established in connection with the yards an extensive Horse and Mule Market known as the KANSAS CITY STOCK YARDS HORSE AND MULE MARKET.

Wool SHERMAN HALL & CO. ESTABLISHED 1856. COMMISSION MERCHANTS, 122 MICHIGAN ST., CHICAGO, ILL. Warehouse, Nos. 122 to 128 Michigan St., Nos. 45 to 53 La Salle Avenue.

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Ship to PATCH FRUIT & PRODUCE CO., Denver, Colo., COMMISSION MERCHANTS. Wholesalers and jobbers of Poultry, Butter, Eggs, Apples, Peaches, Plums, Sweet Potatoes, Nuts, Popcorn, and all kinds of produce and fruit.

CONSIGN YOUR CATTLE, HOGS & SHEEP TO Larimer, Smith & Bridgeford, LIVE STOCK COMMISSION MERCHANTS, Kansas City Stock Yards, Kansas City, Kansas.

Highest market prices realized and satisfaction guaranteed. Market reports furnished free to shippers and feeders. Correspondence solicited. Reference:—The National Bank of Commerce, Kansas City.

Western Draft and Coach Horse Register Association.

Incorporated and established for the purpose of encouraging and remunerating farmers who breed their mares to pure-bred and registered stallions of any of the following breeds: Percheron, French Draft, Clydesdale, English Shire, Belgian, French and German Coach, Suffolk Punch, Cleveland Bay and Hackney.

Your Neighbor Read the matter contained in this space last month and took its advice. He insured his property in the Kansas Farmers' Fire Insurance Company, and now sleeps well and soundly, knowing that he is protected against loss by fire, lightning, tornadoes, cyclones and wind storms.

KANSAS FARMERS' FIRE, OF ABILENE, KANSAS. Losses paid in Kansas over \$75,000. "Protection for the Farmers" is our motto.

CHICAGO VETERINARY COLLEGE. FOUNDED 1883. The most successful college on this continent. For further particulars address the Secretary, JOS. HUGHES, M. B. C. V. S., 2537-2539 State St., Chicago, Ill.

THE STRAY LIST.

FOR WEEK ENDING SEPT. 9, 1891.

Montgomery county—G. W. Fulmer, clerk. 2 MULES—Taken up by S. F. Smith, in Caney tp., P. O. Caney, August 15, 1891, two brown mare mules, 18 years old, no marks or brands; valued at \$30.

Shawnee county—John M. Brown, clerk. HORSE—Taken up by William Hammond, in Mifflin tp., July 4, 1891, one bay horse, one white foot, star in forehead, scar on left shoulder; valued at \$50.

FOR WEEK ENDING SEPT. 16, 1891.

Hamilton county—Ben A. Wood, clerk. MARE—Taken up by Geo. W. McMullen, in Coolidge tp., July 31, 1891, one black mare, 14 hands high, left feet white, white streak in forehead, indescrutable brand; valued at \$40.

FOR WEEK ENDING SEPT. 23, 1891.

Dickinson county—M. H. Bert, clerk. HORSE—Taken up by W. A. Weaver, in Lyon tp., one iron-gray horse colt, 8 years old, about 15 hands high, no marks or brands; valued at \$30.

Cherokee county—J. C. Atkinson, clerk. HORSE—Taken up by A. B. Saunders, August 25, 1891, one bay gelding, about 8 years old, about 15 1/2 hands high, star in forehead; valued at \$30.

HORSE—Taken up by Burrell Owing one bay horse, about 15 hands high, small white spot in face, two small white spots on left side caused by saddle, long mane; valued at \$25.

PUBLIC SALE!

SHORT-HORN CATTLE

Tuesday, October 27, 1891.



I will sell at my farm, three miles from Leavenworth, Kansas,

SIXTY-THREE HEAD Thoroughbred Short-horns, many directly descended from the famous herd of Amos Gralochbank, of Scotland, the remainder Young Marys, Phyllises and other valuable strains, and individually a very superior lot. All red but four (crosses).

TERMS:—Six months credit without interest; 5 per cent. deducted for cash payment. A longer credit on land or other security at 8 per cent. interest, as follows: Five years on all sums of \$1,000 or over; three years on all sums of \$500; eighteen months on all sums of \$250

Catalogue on application. Lunch at 11:30; sale at 1. JAMES C. STONE, JR. COL. L. P. MUIR, Auctioneer.



HOLSTEIN-FRIESIAN CATTLE.—Gerben's Royal and Empress Josephine 3d's Consolation at head. Butter record in seven days: Gerben 82, Empress Josephine 3d, 31 1/2 lbs at 4 years. Everything guaranteed. Write for catalogue. M. E. Moore, Cameron, Mo

HOLSTEIN CATTLE.—Our cows milk from 60 to 100 pounds per day. All ages for sale. Special sale of choice young bulls.

SHROPSHIRE SHEEP.—The largest and best flock in the West. New importation due in August. Special sale of ram lambs.

BERKSHIRES.—Royal Champion and best son of Longfellow at head. A few fall pigs and a grand lot of spring pigs for sale.

POLAND-CHINAS.—Fancy-bred spring pigs at low prices. None better. Send for catalogue and prices, or visit Connors, Wyandotte Co., Kas., for Holsteins and Poland-Chinas, or Hoge, Leavenworth Co., Kas., for Shropshires and Berkshires. KIRKPATRICK & SON.

HIGGS COMMISSION CO.,

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Only authorized Grain Agents of Kansas Alliance Association. Liberal advancements made on all consignments. Market reports furnished on appl., Free.

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JOHNSON-BRINKMAN

COMMISSION COMPANY. Grain, Mill Products, Etc. ROOM 323 EXCHANGE BUILDING, Telephone 2623. KANSAS CITY, MO. Proprietors Rosedale Elevator.

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OMAHA, NEBRASKA. Will sell their own improved farms or ranch properties on most favorable terms, very cheap. Write for description, etc.

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The Deaf Hear The Blind See. Catarrh Impossible

The above figure represents the manner in which our Magneto-Conservative Garments are worn. It can be readily understood that they are not worn next to the skin, nor have they to be dipped in acids. The dangerous character of Electric Belts charged with acid and worn next the skin is too well known to be repeated here. PROF. WILSON'S system is as distinct from these dangerous Copper and Zinc Belts as is a pine knot in an Indian's wigwam to the electric lights of our stores and city streets. There need not be a sick person in America (save from accidents) if our Magneto-Conservative Underwear would become a part of the wardrobe of every lady and gentleman, as also of infants and children.

One million people in Europe and America are wearing our Magneto-Conservative garments—they cure all forms of disease after the doctors have utterly failed. There is no form of disease our garments will not cure. Gout, Rheumatism, Paralysis, Consumption, Constipation, Stiff Joints. Our garments cure when all drug treatments fail. Twenty-five thousand people in Kansas City testify to our marvelous cures. If you suffer it serves you right. Listen to your doctors and die. Wear our Magneto-Conservative Garments and live.

READ GENERAL REPORT FROM NATIONAL MILITARY HOME—Catarrh, Color-Blindness, Near-Sightedness, Quinsy and other forms of Disease Cured by one Instrument.

NATIONAL MILITARY HOME, LEAVENWORTH, KAS., March 12, 1891. Your letter received. I answer with much pleasure. I am well pleased. The Actina has been doing good work. My left ear was nearly deaf—now completely restored. My throat has been affected for nearly ten years—have had quinsy several times—now completely cured; my eyes are greatly improved. Mr. White uses it for throat and eyes; has congested, weak eyes; has been greatly benefited. Mr. Mason, an old case of catarrh, has been greatly benefited; he is an old case; has spent several hundred dollars with specialists, and says he has received more benefit from the use of Actina than all the rest put together; he has thrown his glasses away. One case of a comrade I mention; has been near-sighted since 14 years old, and nearly blind for five years; one eye greatly improved; the other was treated with caustic; he says if both eyes were equally good he could read; he can distinguish colors, which he could not do for five years. I am coming to Kansas City as soon as I can. I want a \$16 Belt and \$2 50 Insoles. There are several other comrades in the Home who have bought your Belts, and I have heard favorable reports of their effects. A great many intend getting your Actina and Garments as soon as they get their pensions.

Yours respectfully, MORGAN WALBIFF, Co. B, 65th Ill.

IMPORTANT NOTICE—We have a Patent on Actina, No. 341,712, also Copyright and Trade-Mark on the word Actina. We will prosecute all infringers. Private Parlors for Ladies. Office Hours—8 a. m. to 10 p. m. Sundays—9 a. m. to 4 p. m. Address all private matter to PROF. WILSON.

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THE EQUITABLE LIFE ASSURANCE SOCIETY OF NEW YORK.

Commenced Business 1859.

FINANCIAL STRENGTH, JANUARY 1, 1890:

Table with 2 columns: Item and Amount. Assets: \$107,150,309. Liabilities (4 per cent. basis): 84,329,235. Surplus: \$ 22,821,074. Ratio of Assets to Liabilities: 127 per cent. Ratio of Surplus to Liabilities: 27 per cent.

LIBERALITY.

The policy issued by the Equitable Society contains the following incontestable clause: "After two years from the date of issue, the only conditions which shall be binding upon the holder of this policy are that he shall pay the premiums and observe the regulations of the Society as to age and service in war. In all other respects, if the policy matures after the expiration of two years, the policy shall be indisputable."

The latest form of contract issued by the Equitable is unrestricted as to residence, travel and occupation after the first year. It is non-forfeitable after the third year, and is simple, clear and liberal in all its provisions; nor can any other company point to a record, for the prompt payment of claims, to compare with that of the Equitable.

The Rev. R. S. Storrs, of Brooklyn, said: "Life assurance contributes effectually to make life itself longer, society happier, the aggregate prosperity of the community greater, while encouraging economy, invigorating enterprise, justifying hope in each individual, and shedding the light of a more serene happiness in many households."

The Rev. T. DeWitt Talmage, of Brooklyn said: "How a man with no surplus estate, but still money enough to pay the premium on a life assurance policy, can refuse to do it, and then look his children in the face, is a mystery to me."

For further information as to cost and plans, send your age and address to JNO. S. HYMAN, General Agent, Topeka, Kas.

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GREATLY IMPROVED. Sold on Trial. Grinds 12 to 25 Bushels per hour. of Ear Corn, dry or damp, Chop Feed, and all small grain, fine or coarse. STAR MFG. CO., New Lexington, Ohio.

WANTED!

The Manhattan 2 Per Cent. Loan Co. wants, in every county in Kansas, agents to make loans upon real estate, improved or unimproved, town or farm. Loans \$500 up. Forty per cent of value, 5 per cent. interest, ten years time, payable at borrower's option—annually, semi-annually or quarterly. Send 4 cents stamp for answer and particulars. OWEN & NEWMAN, Gen. Agents, 704 Kansas Ave., Topeka, Kas.

MEN AND WOMEN make \$1.00 a day selling our Standard Medicines. To responsible parties we will ship \$12 worth a commission to start with. Lauderbach Co., Newark, N. J.

\$65 A Month and board, or highest commission and 30 days credit to Agents, Teachers, students, Young Men or Ladies to canvass for New Book. P. W. ZIEGLER & CO., Philadelphia or St. Louis.

Publication Notice.

In the Circuit Court of Shawnee county, Kansas. N. B. Gale, plaintiff, vs. Mary E. Johnson et al, defendants. No. 610.

TO D. L. Newberg and Joseph L. Newberg, partners as D. L. Newberg & Son; Joseph Klein; David Present and Hannah Present, partners as Present & Co.; Lewis Hornthal, Leopold N. Wechsler, Leopold Weisman, William E. Lauter, Simon Heim, Edwin Whitehead and Joseph Benjamin, partners as Hornthal, Whitehead, Weisman & Co.; Lewis Levi, N. J. Patterson, Albert N. Wechsler, Abraham F. Sterne, H. Mangold, Ellenbogen Patterson, Benjamin Wechsler, partners as Levi, Wechsler & Co.; Herman Mendel, Andrew Mendel, Leopold Mendel and Leon F. Mendel, partners as Mendel Bros.; Ansel Mendelbaum and Abraham B. Frank, partners as Mendelbaum & Frank; William T. Brigham, Robert B. Hopkins and Isaac H. Francis, partners as Brigham, Hopkins & Co.; Isaac Strouse, Ben J. Strouse, Eli Strouse, Samuel Strouse, Leopold Strouse and Samuel Rosenthal, partners as Strouse Bros.; Levi Adler, Abraham Adler and Simon Adler, partners as Adler Bros. & Co.; Isadore Eisenstadt, Rudolph Eisenstadt and Solomon H. Eisenstadt, partners as Eisenstadt Bros.; Samuel Rosenwald, Julius Rosenwald, Morris S. Rosenwald and Julius E. Weil, partners as Rosenwald & Weil; Morris Wise, Jacob H. Bauland, Joseph A. Austry, Julius E. Austry and Jacob Harry Seitz, as executors of the last will of Solomon Austry, deceased; Edward Knox; Dunlap, Lawton & Hall, partners:

You and each of you are hereby notified that you have been sued in the Circuit court of Shawnee county, in the State of Kansas, together with Mary E. Johnson, J. C. Johnson, Jacob Levi, Hannah Levi, the Bank of Topeka (J. H. Mulvane, president), Joseph Reed, A. Bergen and John R. Mulvane, as trustees, by N. B. Gale, who filed his petition in said court, August 13, 1891, in the office of the Clerk of said court; that you must answer said petition so filed on or before November 9, 1891, or said petition will be taken as true, and judgment rendered therein against Mary E. Johnson and J. C. Johnson in favor of the plaintiff for the sum of \$2,144 20, with interest thereon from August 2, 1891, at 12 per cent. per annum, and also a judgment foreclosing a mortgage for said amount against all of the above named defendants upon the following described real estate, in the city of Topeka, county of Shawnee and State of Kansas, to-wit: Lots numbered 337 and 339, on Jackson street, in said city, also barring you and each of you from any interest you may have in or to said premises or any liens thereon, together with your equity of redemption in and to said premises.

N. B. GALE. [SEAL] By Hazen & Isenhart, Attorneys. Attest: S. M. Gardenhire, Clerk. By E. M. Cockrell, Deputy Clerk.

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Lord Corwin 4th 2575 C., 901 S. R., the sweetest boar at St. Louis and Chicago in 1885, at head of herd, assisted by U. S. A. 6984 S. R. and Gov. Bush 2d 6385 S. R. We have seventy-five pigs from these boars and from as fine a lot of brood sows as can be found. Quality not quantity, our motto. Orders booked for future delivery. Dietrich & Gentry, Ottawa, Kas.

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Breeder fancy POLAND-CHINA Swine. Tony lot of March, April and May pigs, sired by first-class boars. Can furnish pigs in pairs not akin. Write for particulars. Call and see my stock.



Address ROBERT ROUNDS, Morganville, Kas., FOR POLAND-CHINAS of the best. Can furnish pigs of any weight as high as 500 pounds. Sale date—September 29 and 30. 250 head for the sale. Write. Mention KANSAS FARMER.

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\$500 Prize Yellow and White Dent Seed Corn. This was raised from seed purchased at the Exposition at St. Joe, where it took the above prize, and has been kept strictly pure; \$1 per bushel—sacks extra. Twenty-five extra fine Partridge Cochon cockerels, \$1 each. Ten extra choice registered Poland-China males, 6 and 7 months old, \$10 apiece. Eleven high-scoring gilts. These will be bred in February and March to All Right's Chip, his sire All Right, Vol. 12 Ohio, and out of the famous Graceland F. 44912 Ohio, for which her owner refused \$500. Address as above.

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Breeders of the best Shew Yard

POLAND - CHINA HOGS.

A few pairs fancy pigs, six and a half months old, for \$25 per pair. Three hundred pigs for trade of 1891 from the best breeding and shew animals in the West.

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Breeds and has for sale Bates and Bates-topped SHORT - HORNS.

Waterloo, Kirklevington, Filbert, Otago, Princess, Gwynne, Lady Jane, and other fashionable families. The grand Bates bulls Imp. 8th Duke of Kirklevington No. 41798 and Waterloo Duke of Shannon Hill No. 89879 at head of herd. Choice young bulls for sale now. Correspondence and inspection of herd solicited, as we have just what you want and at fair prices.

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Choicest imported cows, prize-winners in Holland and America, at the pail and churn in this herd. Also, grand sweepstakes butter cow, Ohio State fair; grand sweepstakes bull Ohio State and West Virginia State fairs; grand sweepstakes bull at the great St. Louis fair. Also the finest selection of the celebrated Mercedes family. If you want the best, visit the Fostoria herd and make selections. Prices low, terms easy.

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Fine lot of young Bulls and Heifers sired by Paas Pogis, son of Lucy's Stoke Pogis. All solid colors, out of tested cows, from 16 to 21 pounds in seven days.

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It tells you the CAUSE, why and when. It tells you how to PREVENT and CURE the disease, both in Hogs and Poultry. It tells how to set eggs to raise Pullets or Cockerels. If any purchaser of this book does not feel they have had value received, we will refund their money. We refer you to the editor of this paper and four Banks in Emporia. Stamps not taken. Address DR. D. L. SNEDIKER, Emporia, Kansas. Price \$1.

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TO FLORIDA.

This company will also sell on September 9 and 23, October 14 and 28, and November 11 and 25, round trip excursion tickets to all points in Florida at rate of one fare, tickets limited to thirty days for return. For tickets call at Grand Junction Ticket Office, at 523 Main street, 1042 Union avenue or Union Depot Ticket Office, Kansas City. For maps, time table folders and full information, address J. E. LOCKWOOD, G. P. & T. A., Kansas City, Mo.

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Notice of Administrator's Sale of Real Estate.

NOTICE is hereby given that by virtue of an order of the Probate Court of Shawnee county and State of Kansas, made at its August term, on the 27th day of August, 1891, I, H. W. Curtis, administrator of the estate of Eli Merritt, deceased, will, on the 26th day of September, 1891, in the county of Shawnee and State of Kansas, sell at public auction, for cash, half cash and the balance on one year's credit secured by mortgage on the real estate sold, the following real estate, as the property of said Eli Merritt, deceased, to-wit: Beginning at the northwest corner of section 22, in township 12 south, in range 16 east, thence running east 30 1/2 rods, thence south 20 rods, thence west 12 1/2 rods, thence south 20 rods, thence west 17 1/2 rods to the west line of said section, thence north 40 rods to the place of beginning, containing six acres. Said sale will take place on said premises, south-east of the city of Topeka five miles. H. W. CURTIS, Administrator.

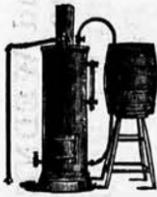
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