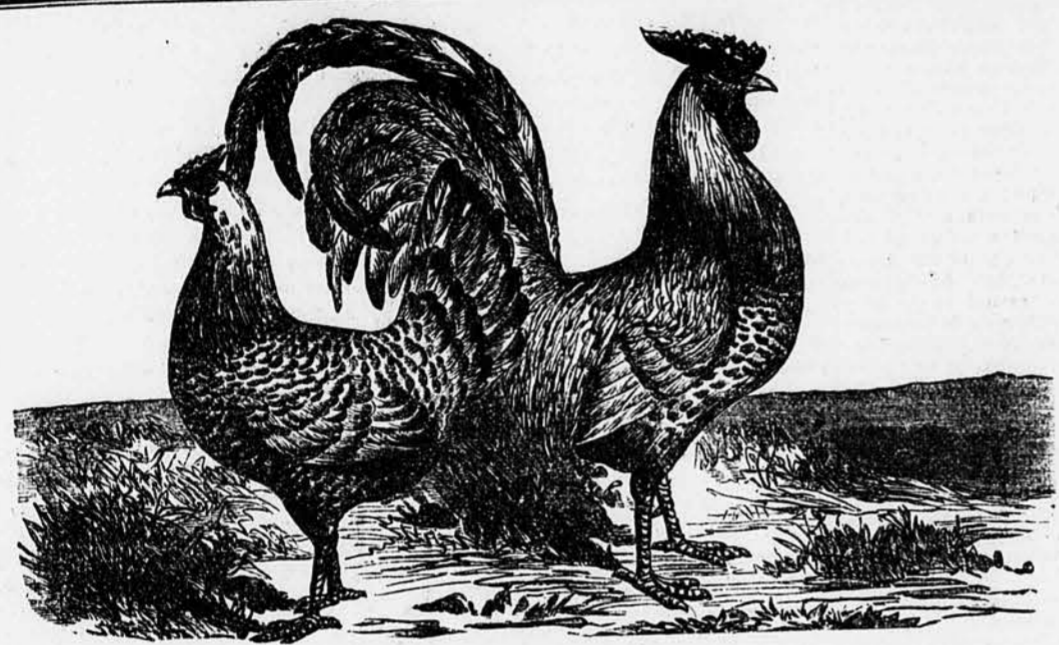
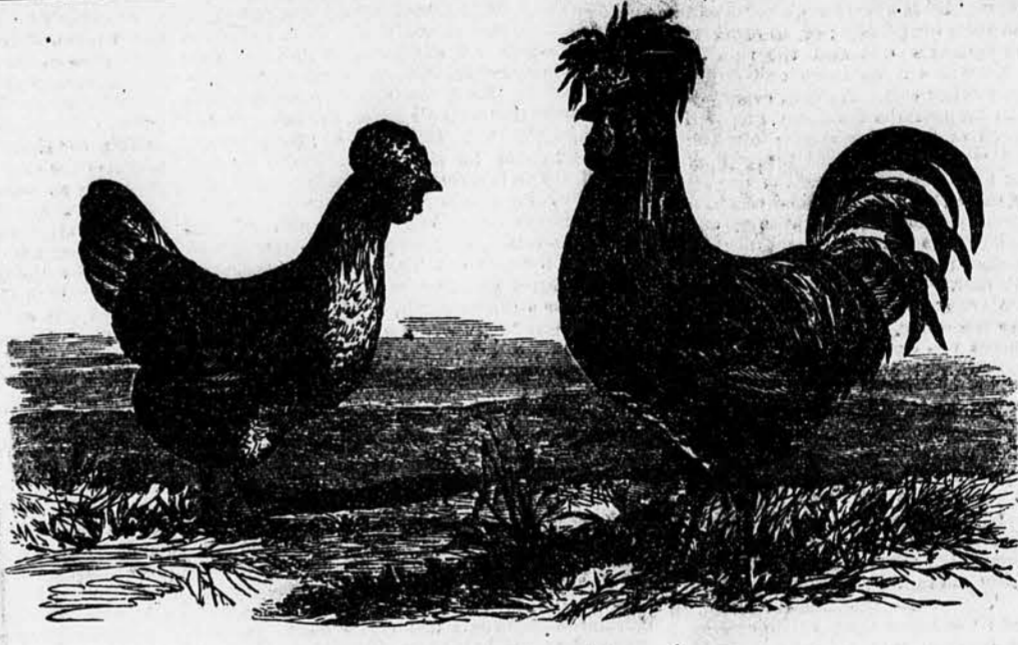


THE KANSAS FARMER

ESTABLISHED 1863. TOPEKA, KANSAS, MAY 9, 1877. VOL. XV. NO. 19.



Silver Spangled Hamburgs.



Houdan Chickens.

The Kansas Farmer.

J. K. HUDSON, Editor & Proprietor, Topeka, Kan.

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 One month, " " " " 15 " per insertion
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The greatest care is used to prevent swindling humbugs securing space in these advertising columns. Advertisements of lotteries, wild-goose chases, and quack doctors are not received. We accept advertisements only for cash, cannot give space and take pay in trade of any kind. This is business, and it is a just and equitable rule adhered to in the publication of THE FARMER.

TO SUBSCRIBERS.
 A notification will be sent you one week in advance of the time your subscription expires, stating the fact, and requesting you to continue the same by forwarding your renewal subscription. No subscription is continued longer than it is paid for. This rule is general and applied to all our subscribers. The cash in advance principle is the only business basis upon which a paper can sustain itself. Our readers will please to understand when their paper is discontinued that it is in obedience to a general business rule, which is strictly adhered to and in no wise personal. A journal, to be outspoken and useful to its readers, must be pecuniarily independent, and the above rules are such as experience among the best publishers have found essential to permanent success.

THE RELATION OF BIRDS TO HORTICULTURE.

An Address delivered at the Tenth Annual Meeting of the Kansas State Horticultural Society, at Emporia, December 6, 1876, by Prof. F. H. Snow, of the State University.

It seems to be almost universally admitted that birds render valuable services to the farmer and fruit grower, by keeping in check the hordes of insect enemies which otherwise would entirely destroy our grains, vegetables and fruits. It is proposed in this address to examine the grounds upon which this widespread belief is founded, and more particularly to consider the habits of our commonest Kansas birds, so far as they are connected with the destruction of insects.

There can be no doubt that man, by bringing together in masses the fruit trees, vines and grains for convenience in cultivation, has so changed the natural relations of plant and animal life that destructive vermin find the most highly favored conditions for excessive multiplication. Instead of being compelled to search through forest or plain for their scattered food plants, the noxious insects now revel in unlimited abundance of food, concentrated within the orchards and fields of civilized man. Not suspecting that by thus consulting his own convenience he has signally favored his most potent enemies, man next proceeds to wage a war of extermination upon the natural protectors of his crops, the insect-destroying birds. What wonder that such ignorance and short-sightedness has helped to produce an annual loss to the United States alone of at least three hundred millions of dollars! The law enacted by our last Legislature, in obedience to a universal demand for the protection of our birds, is an evidence that the people of Kansas, at least, are beginning to comprehend the true causes of this immense destruction of wealth.

If it be true, as is often asserted, that insects are more abundant in Kansas than in the Eastern States, it is also true that there is a corresponding luxuriance of growth in other branches of animal life. The number of species of birds already discovered in Kansas is no less than two hundred and ninety-six, and future

observations will undoubtedly add quite largely to the list. Situated at the geographical center of the United States, Kansas gathers within her borders the birds of all sections of the country. British American species range south into Kansas, especially in the winter. One of these northern species, the Lapland Longspur, often appears in large flocks, containing thousands of individuals, which sweep over our prairies, destroying untold millions of grasshopper eggs. Birds of the Eastern States range westward into Kansas; birds of the South range northward, some species, whose native home is upon the coast of the Gulf of Mexico, penetrating the great interior by following the streams until Kansas is reached; and birds of the Rocky Mountains not infrequently make incursions into our western borders—sometimes even reaching our eastern counties. Thus Kansas constitutes a sort of naturalist's paradise, within which may be found the birds of widely-separated regions meeting at a common center. We also have birds peculiar to the prairie, never found in the timber, and birds peculiar to the timber, never found on the prairie. Thus it happens that the number of species of birds already catalogued in Kansas is as large as that found in eastern Massachusetts—a region which has been explored by naturalists for two hundred years, and which has the great advantage of combining the species peculiar to the seacoast with those peculiar to the interior of the continent.

Let us now consider in detail, the most important families of birds represented in our territory, with especial reference to their usefulness as destroyers of insects. It will be readily seen that some of these birds destroy grain as well as insects, and that some of them consume a considerable amount of small fruit unless prevented from so doing. I think however, that it will be granted without much debate, that it is better to dispose of a small portion of our grain and fruit, as a reward rightly earned by our feathered protectors, rather than to lose the greater part or even the whole of our crops from the depredations of insects. The first family on our list contains the

THRUSHERS AND MOCKING BIRDS (Turdidae).
 In this family we find the Robin, Wood Thrush, Mocking Bird, Cat-Bird and Brown Thrush. The robin as yet is not a thoroughly naturalized citizen of Kansas, though it is to be hoped that he may conclude to abide with us as a permanent settler. Large numbers pass northward during the spring migrations, but only a few remain to build their nests and rear their young. The robin in the Eastern States is the cause of considerable annoyance by his depredations upon small fruits, especially upon strawberries and cherries. But there is unmistakable evidence that he more than atones for this fault by destroying multitudes of the most injurious insects. It has been proved by Prof. Treadwell that the nestlings of the robin require a vast amount of animal food, forty per cent. more than their own weight being consumed by the young birds during twenty-four hours. This animal food consists of caterpillars of various kinds, grubs of the May beetle, &c., &c.

The food of the Mocking Bird is chiefly insects—both larvae and full grown insects—worms, spiders, &c., &c. It is true that in Florida this bird devours many grapes from the vines, but the mischief thus perpetrated is more than compensated by the destruction of noxious insects. It is better economy to pro-

tect the grapes from the birds, if necessary, than to destroy the birds and thus suffer both grapes and vines to be overwhelmingly attacked by insects.

The Brown Thrasher, sometimes called the Brown Thrasher, builds its nest along the Osage Orange hedges as well as in the timber, and may often be seen along the hedge-rows scratching among the leaves and stubble for worms, coleopterous larvae, and other kinds of insect food.

The Cat Bird occurs abundantly with us, and feeds almost exclusively upon the larvae of the larger insects, upon grasshoppers, and other insect-food. It is one of the most valuable birds, both in the cultivated field and in the orchard.

FAMILY II—BLUEBIRDS (Saxicolidae).
 These birds live largely upon insects. I have watched them devouring the maple caterpillar with great satisfaction. They also feed voraciously upon the smaller coleopterous insects or beetles. Dr. Brewer writes: "In the early spring they are very busy turning over the dry leaves, examining the trunks and branches of trees, or ransacking posts and fences for the hiding places of their prey. In the fall their food partakes more of a vegetable character."

FAMILY III—SYLVIAS (Sylviidae).
 This family includes the Ruby-crowned Wren and the Blue gray Gnat-catcher. Both these birds, though small, are very active in the pursuit and capture of the smaller insects.

The authority just quoted speaks of them as sometimes so absorbed in their avocation as to be unmindful of the near presence of the sportsman or collector, and unwarned by the sound of the deadly gun. They are expert catchers of insects, taking them readily on the wing. They are chiefly to be met with in the spring of the year among the tree tops, where the insects they prefer abound among the expanding buds; in the fall of the year they prefer the lower branches and bushes.

FAMILY IV—TITMICE (Paridae).
 The Tufted Titmouse is one of our commonest birds, remaining throughout the year. It is generally seen in small flocks, moving about from tree to tree in search of insects. I have observed these birds flying to the maple trees in front of my house while the maple worms were devouring the foliage, each bird capturing a caterpillar and retiring to the fence near by to devour its prey, and then returning again and again until its meal was completed.

The Black-cap Titmouse has a wide range of viands from which to obtain its living, but prefers insects to everything else. Dr. Brewer says of this bird: "The amount of good thus conferred on the farmers and the owners of woodland in the destruction of insects in all their forms—egg, caterpillar, larva or imago—must be very great. No chrysalis is too large to resist their penetrating bill, and no eggs are so well hidden that they cannot find them out. I have known one of them to attack and fly off with the chrysalis of a woolly-bear or salt-marsh caterpillar. When thus foraging they seem totally unconscious of the near presence of man, utterly unmindful of what is passing around them, so intent are they upon the object of their pursuit."

FAMILY V—NUTHATCHES (Sittidae).
 This family includes the White-bellied Nuthatches, the former of which is abundant among the wild trees of the forest, and the shade trees of the town. Its food is chiefly insects, and it may be seen clinging to the

trunks of trees, often head downwards, peering closely under every fragment of bark in search of its prey. Its movements are much like those of the woodpeckers, with which this bird is often confounded.

TO BE CONTINUED.

A SHORT TALK ABOUT KANSAS FARMING.

EDITOR FARMER: I am one of those who is disposed to keep quiet in meeting and let the brethren and sisters do the speaking. Occasionally, however, the spirit moves me with considerable power and at such times I take the floor. I have been a member of the farming fraternity of Kansas for almost five years, and on many occasions have been interested and profited by what the brethren and sisters throughout the State had to say. For a considerable time there has come up within me something akin to a desire to say a word, and the time has come now when further delay might be attended with disastrous consequences, I mean to myself. Accordingly with your permission, I arise.

First, a few words about the FARMER, and while I say these you will please consider yourself outside, and the brethren and sisters inside. Still when a man does an eminently praiseworthy work, and that work of a public character, it may not be wicked nor in bad taste to tell him so in the presence of the congregation. I like the FARMER. For four years I have read it; I like it because it has grit, and snap, and pluck, and a good stiff, moral backbone, so it can lift its head erect and pursue a straightforward course in the midst of a crooked and perverse world. I like it because it has the peculiar slight of tripping up the heels from under every four-legged humbug that seeks to lift its head in the land; because, however fine-haired the animal may be, it hesitates not to take him by the throat with a lion-like grip until his eyes roll like a dying calf's, and his tail squirms like a mad bull's. Down with all humbugs and humbuggery of every description, and the congregation of the people say amen. Let every one, in obedience to divine law, "earn his bread by the sweat of his brow," and not try to steal it from the plate of his neighbor while he has been induced to look some other way. But Mr. Editor, I did not mean to pronounce an eulogy on the FARMER, nor give a lecture on humbugs. I will only add that the FARMER ought to be in every family in the State, not only nor chiefly because it is one of the best agricultural papers published, but because it has about it an atmosphere of stern integrity, of manly independence and of high moral heroism which is refreshing and invigorating to breathe. I am somewhat of a Methodist and believe in relating experiences, not only in religion, but also in farming as well as in all other departments of industry in which human beings have sympathies in common. I was born in Pennsylvania, and for forty years I breathed the pure, gushing mountain air of that grand old State. At the age of twenty-one I graduated a farmer under the tuition of one who knew how to raise forty bushels of wheat to the acre, and other crops in the same proportion. Farm life has many attractions for me; but I had heard much and occasionally caught a glimpse of the gems that lay scattered along through the fields of science and literature, and I concluded to take a ramble through them in order that I might gather a few of the precious jewels that were found to sparkle in radiant beauty from every hillside. Having spent some years in this

way I returned to the farm, intending to spend the balance of life as a co-worker with the God above in growing corn and wheat for the millions.

But again I wandered off and was found leading others along the paths that lead to the deep and hidden things of nature. But I am in Kansas now. Why did I come to Kansas? Why have thousands of others thronged to Kansas in preference to other Western States? Are the natural resources of Kansas superior to those of the Western States? Probably not; and yet at this very time, notwithstanding her prostration and her begging attitude of a few years ago, she is the pride of the land, and is receiving within her borders a larger, much larger proportion of emigrants than any other State in the Union.

Kansas was initiated into the sisterhood of States by a baptism of fire. She exhibited in her early history the elements of a glorious manhood in driving from her soil at the cost of blood and treasure, every vestige of slavery, and planting thereon the banner of freedom, and she has maintained this banner through all the vicissitudes of a few years ago, she is the pride of the land, and is receiving within her borders a larger, much larger proportion of emigrants than any other State in the Union.

I may at some future time give my experience in Kansas life and Kansas farming.

Osborne City, Kansas, May 1, 1877.

From Harvey County.

May 4.—The prospects for wheat are splendid, acreage not half what it would have been had there been no hoppers; it is considered a paying crop. A large acreage of corn is being planted; no spring wheat is raised, it does not pay. The breeding of horses, cattle, etc., will be profitable when we get pastures, but the land is all occupied. Stock is healthy. Good prospect for fruit. The grasshoppers are hatching in certain localities, the farmers are burning them; the recent cold rains have killed some of them and no further trouble is apprehended. We have plenty of grist mills but are in need of manufacturing establishments; water privileges are excellent. Interest 12 per cent.

WM. HANDBAKER.

AMERICAN INSTITUTE FARMERS' CLUB.

There was a large attendance with an unusual number of strangers at the meeting of the Farmers' Club Tuesday afternoon.

The first question taken up for discussion was one propounded last week regarding the kind of horse farmers near New York City can raise with profit.

Mr. Wallace said, that the question having been asked whether it will pay to raise any kind of horses at this time, he would not hesitate to express it as an opinion that all classes of good horses will advance very materially in price in the near future.

With the increased activity in business an increased demand for fine horses is inevitable. A pair of really fine park horses will bring a good price to-day—perhaps 83 1/2 percent more than they would a year ago.

HOW TO BREED THE PARK HORSE.

Now, the speaker continued, without adding a single pound to his weight or an additional bushel to the oats that he may require in the course of a year, he must be given a fine arching neck of good length, a handsome head, a lofty stylish carriage, and a high stepping trot, equal to say a mile in four minutes, all of which will not tend to disqualify him for the duties of the farmer's horse.

Place a mate by the side of him and he will bring twice that sum. The question of profit in this line of breeding, Mr. Wallace thought, must be plain to the judgment of all.

Dr. Heath, of New York, continued the subject by reading a paper which differed in some points with Mr. Wallace's remarks. In this he furnished the following statistics: There are in the United States 3,690,212 horses.

an average of \$300 each, making \$6,000,000. The cost of first class carriage horses range from \$500 to \$2,000 each. The real horse varies from \$500 to \$5,000, while the trotter varies from \$500 to \$35,000.

The cheapest railroad horse costs in New York City from \$185 to \$150.

For omnibus use the cost is about \$100. The best brewers' horse costs from \$400 to \$800. The cost of purchasing Western horses, added to the transportation and incidental expenses, is about \$35 to \$38, so that the farmer cannot realize \$100 for a six-year-old common horse and he must be sound at that.

Dr. Heath thought that a horse that can be sold for \$100 is not worth raising in any State in the Union, as it costs no more to feed a \$200 one; nor indeed a blooded one of a prospective value of \$500 or more.

Dr. J. V. C. Smith, in behalf of the health of the city, further remarked upon the desirableness of doing away with so many horses for transit, their offal, which is evaporated and diffused through the air, being a fruitful source of sickness.

MANAGEMENT OF BREEDING SOWS. The losses of pigs, less than a week old that occur in every township in the country are simply enormous, and are due, in a majority of instances, to the neglect of a few simple precautions, attention to which need scarcely occupy the owner's time an hour.

The careful breeder will have noted down in his memorandum book the date on which each sow was served, and will expect his pigs to put in an appearance in about sixteen weeks or 112 days thereafter; although I have not unfrequently had quite young sows farrow in 100 days from service, and also have had two others that carried their first litters eighteen weeks, or 128 days.

When the weather is pleasant, very little bedding will suffice; and if it is not warm enough short straw for a moderate nest may be given. When the pigs appear, that which is walled up around the sides of the sow may be thrown out of the pen, for, left in her reach, she will carry it back and re-arrange the nest as before.

To feed brood sows wholly on corn at any time is bad, and especially for some weeks before pigging, and while suckling. It is not good for making milk nor developing the milking faculty; and causes a costive, feverish condition in the sow that will frequently show itself in attempts to eat her offspring, and afterwards in a limited supply of feverish milk, wholly unsuited to the health and growth of the pigs.

fect will be to cool the system, relax her bowels, make her quiet and restful, and develop an udder of nourishing milk on which the pigs will thrive from the first. She should also be given clean water to drink, and the water alone will be about all she will need for two days after farrowing, unless it is thought best, from her actions, to allow a small mess of thin slop the second day, which may do her good.

I have found slop made of two parts chopped (coarsely ground) rye, or in lieu of this, shorts, mixed with wheat bran, scalded or soaked for a time, to be excellent for producing an abundance of nourishing milk from the time the sow will bear full feeding; and it is a feed the little pigs soon take to it if it is placed accessible to them, apart from the sow. It is very important to accustom the pigs to eating something of the kind before they are a month old, instead of having them depend entirely on the mother's milk till weaning time; as then the sudden change of food and want of the milk goes so hard with them that their growth is almost sure to be retarded for a month, and sometimes more.

BROWN LEGHORN CHICKENS. Although only recently brought prominently before the public, have attained a popularity excelled by no other variety; well deserving all that can be said in their favor. In beauty of plumage and form, they have no equal. In economical merits they have no superior. They are not so generally known as their white relatives, but are much more difficult to breed true to feather.

ADVERTISING SWINDLERS. The Kansas Farmer recently published Jos. Haydock, of New York, who is sending out advertisements of "Holloway's Pills," as a fraud. We notice in the Lawrence Standard at least five columns of advertisements for which that journal will never get a cent, as the advertisers are either frauds or dead-beats who never pay their bills, and never intended to.

1st. Brahmas are large, frequently weighing (18 to 15 lbs one point for the Brahma) White Leghorns only weigh from 4 to 7 lbs. 2nd. One will say the flesh of the Brahma is excellent; who ever ate a Leghorn will quickly see the difference; Leghorns being very fine flavored nearly equal to the Game in this respect; while on the other hand, (I will quote what Wright of England says in regard to the quality of the flesh of the Brahma. "The flesh of the Brahmas, however, being better than the Cochins, is much inferior to the Dorking." So much for the Leghorn.

3d. In regard to the economical qualities, this being one of the most important, and is decidedly in favor of the Leghorn. The Brahma will eat 3 times as much as the Leghorn; the Brahma being of a lazy disposition, they will lie around on the ground, like a chicken with the cholera, while the Leghorn will find one-half of their food by hunting in the garden. The Brahma may do in a city or town where the runs are limited to a few square feet, but as a farmer's fowl the Leghorn is decidedly the most profitable.

4th. The laying qualities—this decides the profit of each, being decidedly in favor of the Leghorns; the average amount of eggs laid per annum, by a Brahma being 180 to 180 with good food and comfortable houses, while Leghorns will lay as heretofore stated, 200 to 250 on an average.

5th. The health or hardiness of each—the Brahma being a large fowl is liable to get too fat and in this state is subject to disease, while Leghorns are very hardy and never get over-fat. But I have already said enough in their favor. Waiting to see a reply from some Brahma man—until then I will say no more. E. J. IVES.

Mound City, Kansas.

For the Kansas Farmer.

FARMER SLACK'S RULES.

Plow as shallow as possible, plant and sow the poorest seed you have, a week or two after all other go ahead farmers are done.

Keep more stock than you can winter well, or have pasture for in summer, and when you buy stock select the cheapest you can find, regardless of breed or other qualities.

Your hired man should be required to rise from bed an hour at least, before you do, and have all the "chores" done when you turn out; send them to their work at about 8 o'clock

and tell them you will be along in an hour or two. No fences should be repaired till after damages have been done to your crops, as by so doing you know exactly what fences require repairing, a fence three and one-half feet high, is high enough for stock that is not high fed, and no farmer can afford to make them higher.

Never change the males of any stock, as in and in breeding will, if long continued insure you against having stock for sale which is troublesome. Farming implements should not be cleaned when used in wet weather, or when the soil adheres to them, and then leave the plow in the field, so it will be ready to hitch on to in the spring. Cut your summer's fuel, any time, when there comes a dull day in haying time; when you want to go to the village store so much and lounge around, no wonder the wife frets and scolds.

This painting buildings is all foolishness and waste of money. Nature requires no paint; why should our tenements? The owner of a farm should be careful not to work with their hired help, any more than is absolutely necessary, as it may cause the hands to think that they require watching. No farmer of refinement will have a girl to help his poor broken down wife, because she is already ruined in health and spirits; all the girls in the land could not restore her to perfect health again, and then these girls are expensive things, and they will bother the men with their talk. Every progressive farmer will get posted on the price of hides, as he is liable at any time, but particularly to have cattle die a natural death, to feed in a way to prevent. This is costly business, no ground feed should be given to your animals, especially swine, corn should be fed to them in the ear, upon the ground, where they will have to root for it. There are many farmers Slack on the land. J. L. HERSEY, Tuftonboro, New Hampshire.

EDITOR FARMER: I see in a late issue of the FARMER you nominate Hon. Alfred Gray for Commissioner of Agriculture: now as the lawyers say; I object to that and have two or three reasons in support of the objection. 1st. The appointment of so capable a man as Mr. Gray to that position would be a rude innovation on time honored customs that the politicians would not tolerate or our law makers confirm. The people have not been accustomed to such things. 2d. Kansas can't spare him from the position he now occupies. 3d. If he went to Washington as Commissioner he would soon work himself to death trying to transform the Government seedshop into such a bureau of Agriculture as the country needs and would not be ashamed of. Let Kansas pay him the same salary—\$3,000 and keep him where he is, the can't afford to do otherwise. F. D. COBURN Pomona April 28th.

A SUGGESTION.

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26 1-4 POUNDS.

That was the Weight of the Fleece of One of Mr. A. B. Matthews' Ewes.

A Challenge to the East, West, North, and South to come to the Front.

Our attention was called last week, to the shearing of the heaviest American Merino Ewe's fleece we have ever known shorn from one sheep. Our fellow townsman, Mr. A. B. Matthews, is the fortunate possessor of this remarkable ewe. The fleece in question was weighed by Mr. James M. Ward, and touched the astonishing weight of 26 1/4 pounds. This animal was shorn publicly last year and in view of what we deem an unparalleled ewe's fleece, we would be glad to hear from Vermont, New York and Ohio; and notwithstanding California claims to have shorn the largest Ram's fleece ever shorn, we should like to hear from her if she has any 20 1/2 pound ewes. If she has, we understand that Mr. Matthews will go half way next year to shear against any ewe that was shorn publicly this year. We think the rivalry in good stock should be encouraged since just west of us lies the finest grazing fields in the world, and it is better to fill them with good, than poor stock. Mr. Matthews has done very much for the improvement of our western sheep. A short time since, he passed through the Kansas City Stock Yards, with a large lot of choice Cotswold and Merino Rams, which were acknowledged by judges to be the best lot of Cotswold sheep that have ever been in the Yards, since their establishment. His Cotswold sheep, shorn last year at our Exposition Grounds, averaged thirteen pounds. The record of the Merinos there shorn, we have not before us, but like all other blooded sheep handled by Mr. Matthews, we are sure it will have a favorable comparison. We trust Mr. Matthews may meet with the success he deserves for introducing such choice animals as he shipped West.

We understand he is keeping a breeding flock of both Merino and Cotswold Ewes in our county.

We are always glad to chronicle the introduction of good stock into the country tributary to Kansas City.—Kansas City Price Current.

A Farm Roller.—Agricultural writers for nearly a century back have extolled the field roller as one of the most essential implements of the farm, and farm experience has substantiated the many claims made for it. For crushing clods and lumps, thus performing one of the most important functions in preparing a good bed for the reception of seeds, the roller has no efficient substitute, the harrow and brush are well in their way, but in some conditions of soil are of comparatively little use. Rolling after seeding effects a purpose equally important, as the roller brings finely pulverized soil in direct contact with the seed, rendering germination certain and rapid. By the use of the roller land seeded down to meadow is made level and in admirable shape for the mower and horse rake. Pasture land is left smooth, slightly and better fitted for an even and luxuriant growth of grass. In a season of drought, land that has been thoroughly rolled will suffer far less than that of the same quality unrolled, for it better resists evaporation. The enlightened farmer of to-day would as soon think of dispensing with his drills and cultivators as his field roller. There is, however, a difference in rollers, some are clumsy, cumbersome, unwieldy affairs, and any improvement upon the old style is an important item. The section iron roller was a great step in advance, but far the greatest improvement we have seen, has been accomplished in the Woolridge Adjustable Roller, as manufactured by the Brown & Van Arsdale Mfg. Co. of Chicago, Ill. Indeed it seems that little or nothing remains to be done to render the implement perfect. We advise every reader to examine into the merits of the Woolridge, and more than this, to purchase at his earliest opportunity. The increase of crops in a single year to say nothing of the improved condition of the farm, will amply repay the cost of the Roller.—Prairie Farmer.

A writer in The Husbandman, hits the center when he says: The advantage of the Grange is a subject so broad I hardly know where to begin. As to the benefits that may be derived, both socially and financially, they are almost unlimited.

ONE OF THE MORTGAGES.

EDITOR FARMER.—I wish to drop a few thoughts on the unnecessary expenses amongst farmers, especially on tobacco and dram drinking. How often I see farmers with clothes

May 9, 1877.

Patrons of Husbandry.

STATE GRANGE DIRECTORY. Master, Wm. Sims, Topeka, Shawnee Co. Overseer, J. P. Williams, Lawrence, Douglas Co.

DEPUTIES. The following named persons have been appointed Deputies for their respective counties, and are hereby authorized and empowered to perform all the duties of their said office in any other county of this state.

WHAT IS THE GRANGE?

The following extract from the National Granger is an excellent illustration of what the Grange is and what it accomplishes: It is a moral organization—the virtues of honesty, integrity and frugality are taught and kept constantly before the minds of the members.

EXPERIENCE MEETINGS.

Some one has suggested that Grange meetings may be made interesting by devoting a portion of the time to the relation of experiences that every one can tell, readily, what he has tried, or done to secure a good crop of any kind, etc.

THE STORE ROOM AND HALL BELONGING TO THE GRANGE AT SPRING STATION, IND., WAS BURNED ON THE MORNING OF THE 10TH INST., WITH ALL ITS CONTENTS.

The store room and hall belonging to the Grange at Spring Station, Ind., was burned on the morning of the 10th inst., with all its contents. Damages estimated at \$3,000.

THE PATRONS OF WASHINGTON, FAYETTE COUNTY, OHIO, HAVE A GRANGE STORE, WHICH WAS ORGANIZED IN THE FALL OF 1875 AS A JOINT STOCK COMPANY.

The Patrons of Washington, Fayette county, Ohio, have a Grange store, which was organized in the fall of 1875 as a joint stock company. The capital stock was placed at \$20,000, divided into shares of \$10 each.

Northumberland Grange, No. 850, Canada, although only a little over a year old, has over one hundred and fifty members. A correspondent writing the Canadian Granger says "that the Grange in this part of the Province is a decided success, and we fully appreciate the social and pecuniary advantages which this organization affords, feeling that it supplies a want, long felt by us."

The total cash assets of the National Grange September 30, 1876, amounted to \$71,707.40, of which \$68,000 were invested in United States bonds, and \$4,707.40 were in currency.

The Mutual Aid Society, P. of H. of Kentucky, now in operation about two years, is a success. They have issued over 1,800 policies.

The Patrons of Gratiot county, Michigan, organized last October, a co-operative association, with a nominal capital of \$15,000, only \$350 of which was paid in.

The Southern Plantation says: Just now we propose to mention one of the surest means of creating interest. We make the suggestion to every Master who wishes to revive the interest of his members, and if he will adopt it, we will guarantee his success.

The Southern Agriculturist says, with some bitterness, that the Kentucky State Grange by refusing to reduce its executive committee from six members to three in effect said: "We must run the Grange on the most expensive plan through a cheaper one is offered."

The custom of not reporting promptly to the Order at large all official acts is sure to lead, sooner or later to the perversion of official influence and the abuse of official trusts.

The Christian at Work notices a decision recently rendered by Judge Gilber, of Brooklyn which it commends as to the point and in the interests of justice, as follows: "As our readers are doubtless aware, it has been the practice of sewing machine companies to sell, or as they say 'lease,' sewing machines on time to persons of limited means taking pay in installments, but holding the title to the machine till the last payment was made."

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GRASSHOPPER CIRCULAR ISSUED BY THE UNITED STATES ENTOMOLOGICAL COMMISSION.

The locust area assigned to each commissioner to facilitate labor, is as follows: 1 Mr. Riley takes for his field the region east of the Rocky Mountains and south of the 40th parallel, including Texas, Arkansas, Missouri, Kansas, Colorado south of Denver, and New Mexico; also, the west half of Iowa, and, conjointly with Mr. Packard, British America west of the 94th meridian, where the principal source of the devastating swarms will probably be found.

2 Mr. Packard will take for his field West Wyoming, Montana, Utah, Idaho, and the Pacific Coast. 3 Mr. Thomas takes all the region east of the mountains enumerated, i. e. Nebraska, Minnesota, Colorado north of Denver, East Wyoming and South Dakota; also, in conjunction with Mr. Riley, North-west Iowa.

To Mr. Packard: Anatomy and Embryology. To Mr. Packard and Mr. Thomas, conjointly: Meteorological Bearings and Migrations. To Mr. Thomas: Geographical distribution: Enemies not Entomological; Agricultural Bearing of the subject.

With a view of securing co-operation, and of obtaining data in the particular divisions of the subject assigned to me, I beg leave to call your attention more particularly to the following topics, and ask your careful consideration of the same: I. NATURAL HISTORY.—The natural history of the species has been already pretty thoroughly studied so far as the development from the egg to the mature insect is concerned.

While there may be little to add to what is now known of the natural history and habits of the Rocky Mountain Locust (Caloptenus spretus Thomas), with which the Commission is more particularly concerned, there is much of interest yet to learn of the other species of locusts that are indigenous in your locality, and are often confounded with the spretus. Any facts as to the habits, time and mode of depositing eggs; state in which the winter is passed; time of acquiring wings; or, in short, any observations upon the native species, and more particularly those that are injurious, are earnestly desired by me.

II. INSECT ENEMIES AND PARASITES.—These will differ, according to locality, and I shall be glad to receive specimens of all interesting insects upon the locust. Such specimens, when soft or small, are best preserved in alcohol, and mailed between layers of cotton thoroughly saturated with alcohol, in a small and tight tin box. When larger, they may be mailed as already indicated above. I respectfully solicit answers to the following questions: 1 What invertebrate animals are known to attack the locust eggs in your locality, and to what extent have they destroyed the same? 2 What insect enemies attack, first, the young; second, the winged locusts; and what percentage of these have been destroyed by them? 3 State any facts that you know about the habits and transformations of the different parasites or other enemies observed.

III. Under this head I desire general reports on Topics 16 and 17 of Circular No. 1; first, as to the means employed in your section for the destruction of the unfledged insects, or to protect crops from their ravages, and how far such means have proved satisfactory; second, the means employed against the winged insects, and how far they have proved satisfactory; I would more particularly call your attention to the following points: 4 Has any application, either in powder or liquid, been used that protected special plants from locust ravages without injuring the plant? 5 Has harrowing of the eggs in the Fall been resorted to, and with what effect; or have any other means been employed to expose or break open the egg masses? 6 Where satisfactory results have followed the plowing under of the eggs, state the time of year of such plowing, the depth, the nature of the soil.

7 Where ditching has been resorted to, to protect fields from the inroads of the unfledged locust, state the measure of success, the nature of the soil, and the character particularly as to the depth and width, of the ditch. If any measures not recommended by the Commission in its Bulletins are, or have been adopted, please specify them.

If you desire to test any special measure involving expenses, where such test seem warranted by possible practical results correspond with me for further advice and instruction. IV. DEVICES FOR DESTRUCTION.—Under this head I desire reports as to the efficiency and usefulness of such machines or other mechanical contrivances as have been tried and used in your section. Where any machine has proved useful, I desire to obtain full plans and description of the same, and were possible illustrated. Where such have not already been drawn up or made, I will co-operate with inventors in getting the work done, where it is thought desirable. So far as time will permit I shall endeavor to personally examine and test such contrivances, and will assist to a full trial of them, any inventors who communicate his plan.

I will refund, when desired, whatever expense may be incurred for postage in replying to this circular or in forwarding specimens. Copies of documents published by the Commission will be sent to correspondents who data in accordance with these requests. C. V. RILEY, Chief, St. Louis Mo. A. S. PACKARD, Sr., Sec'y, Salem, Mass. CYRUS THOMAS, Dist'g Ag't, Carbondale, Ill. Headquarters, N. W. cor. 6th & Locust St., St. Louis, Mo. Eastern Office, Hayden's Survey, Washington, D. C.

ADVERTISEMENTS.

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

Who Wants a Farm Cheap? 500,000 Acres RICH Farming Lands for Sale!

The Lands of the Jackson, Lansing and Saginaw Railroad Company are now offered for sale at LOW PRICES AND ON LONG TIME. They are situated along its railroad through the central part of the State of Michigan from the Saginaw river north to the Straits of Mackinac, and contain large tracts of farming lands as good as can be found in any part of the United States.

The Patrons' Commercial Agency OF COLORADO. In view of the fact that all kinds of Farm Produce on commission only, Patrons will find it to their interest to transact their business through this Association.

CAUTION! To Farmers and all others who put barbs upon wire fences, making a barbed wire fence, and to all manufacturers and dealers in fence barbs and barbed wire fence.

YOU are hereby notified, that in putting barbs upon wire, making a barbed wire fence, or in not made under license from us, you are infringing upon our patents, and we shall hold you strictly accountable for damages for all infringements of Letters Patent Nos. 68,182, 67,117, 74,973, 84,968, 153,966, 157,194, 157,561, 164,181, 165,661, 173,750, 174,491, 173,967, 180,351, 181,338, 188,389, 187,136, 187,172, 187,776; re-issue, Nos. 7,136, 6,978, 6,902, 7,035, 6,916, 6,914, 7,569. Copies of our claims can be obtained of our attorneys, COBURN & THACHER, Chicago, Ill., or of our counsel, THOS. H. DODGE, Worcester, Mass.

THOMAS Smoothing Harrow! It carried off highest premium over all competitors at the great Centennial Exhibition. It saves the cost in corn culture on every twenty acres planted. It is unequalled in smoothing and preparing ground for grass seed and clover, and for covering all light seeds.

THE FURST & BRADLEY SULKY PLOW. Long Trial. Thoroughly Perfected. Simplicity itself. Lightest Draft. Easiest Handled. BEST MADE.

WOOD AND IRON BEAM. Our experience in the manufacture of this Sulky Plow, having been seven years before the public, has enabled us to discover and apply to the original machine many additional good points, and to remedy whatever objectionable features may have presented themselves. This places us far in advance of the experimenters, who, from the high reputation of which they are enjoying, and comparatively untried, don't be readily convinced, but before you buy, see the pretentious claims, but before you buy, see the "Furst & Bradley," which has been so long and thoroughly tried and "not found wanting." They are so simply and so easily handled, that a boy 18 to 14 years old can easily do as much plowing with them as any man, besides, they are not team killers. They will completely cover Weeds and Cornstalks (Higher than Your Head) Without Choking.

PURE BRED BERKSHIRE PIGS. Have made the breeding of Pure Blood Berkshires a specialty for ten years. My herd now numbers 300 head, including 150 spring and summer pigs, by my famous Sweepstakes Boar, Pritchard, and my young boar, Lord Liverpool 3d, and out of selected sows bred on "Crest Valley Farm," from stock purchased from some of the most reliable breeders in America.

General Business Directory. SHERMAN HOUSE. The old reliable Granger's Hotel, opposite the court-house, Emporia, Kan. J. GARDNER, Prop. Terms \$1 per day. "Live and let live."

Osage Seed and Plants. Have spent several weeks in Texas in selecting our seed, based on thirty years' experience, and know it to be all new and of the best, such as we will warrant. We have several millions of Plants and other Nursery Stock, all to be sold by Gilman. W. H. MANN & Co., Gilman, Ill.

Breeders' Directory.

HALL BROS., Ann Arbor, Mich., make a specialty of breeding the choicest strains of Poland-China, Suffolk, Essex and Berkshire pigs. Present prices 1/4 less than last card rates. Satisfaction guaranteed. A few splendid pigs, sows and boars now ready.

W.M. HASTIE, Somerset, Warren Co., Iowa, breed sheep. Stock for sale. Correspondence solicited. O. BADDERS, Dummer, Ohio, Ohio, breeders of Fowls, Leavenworth, Kansas, Brahmas, Cochins, and Leghorns. Eggs in season at \$5.00 per setting. A choice lot of Fat-tailed Cochins for sale cheap. Correspondence solicited.

J. K. WALKUP, Emporia, Kans., breeder of pure Jersey Short-Horn cattle. General Butler at head of herd. Correspondence solicited. WARREN BARRIS, Trenton, Missouri, breeder of Short-Horn cattle with Herd-Book pedigree, also, Pure-Bred Berkshires. Correspondence solicited and promptly answered.

FRANK LEECH, Waterville, Marshall Co., Kansas, breeder of thoroughbred Short-Horn cattle and Berkshires pigs. Stock for sale at fair prices. BYRON BREWER, Glenn, Johnson county, Kan., breeder of Poland-China Swine. Pigs, not kin, shipped by rail, and warranted first-class. Correspondence solicited.

T. L. MILLER, Beecher, Ill., breeder of Hereford Cattle, Cotswold Sheep and Berkshires Pigs. A. J. VANDOREN, Fish's Corners, Wisconsin, breeder and shipper of the celebrated Essex Swine, direct from imported stock and in pairs not kin. C. M. CLARK, Whitesboro, Wisconsin, breeder of Pure Spanish Merino Sheep, from Atwood stock. Purchasers desiring information or assistance are invited to correspond.

Z. C. LUSE & SON, Iowa City, Iowa, breeders of Herd Registered Jersey Cattle; also Light Brahmas, Black and Fat-tailed Cochins and B. Red Game Fowls. Catalogues furnished on application. JOHN W. JONES, Stewartville, Mo., breeder of thoroughbred Short-Horn cattle of approved blood and pedigree. Also, breeder of Berkshires of the best strains in the United States and Canada.

G. B. BOWEN, Breckinridge, Mo., breeder of Pure American Merino Sheep, noted for hardiness and heavy fleeces. 300 Rams for sale this year. ALBERT CHASE, Durham Park, Marion Co., Kansas, breeder of Pure Short-Horn Cattle of approved blood and pedigree. Young stock for sale cheap. Send for catalogue.

W. H. COCHRAN, Emporia, Kan., breeder of Short-Horn Cattle. Stock for sale. Correspondence solicited. Plans, 1794 at head of herd. SAMUEL ABERNETHY, Kansas City, Mo., breeds Spanish Merino Sheep as improved by Atwood and from the Hampshire's importation in 1822. Also Chester Whites Hogs, premium stock, and Light Brahma Chickens, both bred pure by me for eight years past. Send for circular. R. L. BARNES FOR SALE THIS YEAR.

BERKSHIRES a specialty. If you want choice stock, from fine imported stock, at low prices, address W. L. KELLON, New Holland, Ohio. New Catalogue now ready. J. F. FINLEY, Breckinridge, Caldwell County, Mo., breeder of Short-Horn Cattle and Berkshires Hogs. Choice Young Stock for sale on reasonable terms.

E. BRAYTON, Savannah, Mo., breeds Berkshires, and is breeder of Choice Berkshire Sheep, and Maltese Turkeys. Send for Prices. R. F. AYRES & CO., Louisiana, Mo., breeders of Short-Horn Cattle, Berkshires Swine, and Fat-tailed Sheep. Stock for sale, and satisfaction guaranteed. MILLER & HUNT, Wright's Grove, Chicago, Ill.

W. BLACKWILL, Breeder of Poland-China Swine, and Dark Brahma Fowls; Cades Rapids, Iowa. Pigs for sale at \$15 to \$50 per head. Eggs \$2.00 per set, containing three doses. NURSEMEN'S DIRECTORY. STEAM GARDENS. Two acres of Glass. Out Flowers and Bedding Plants by the million. Bottom prices. Try us. Price list free. MILLER & HUNT, Wright's Grove, Chicago, Ill.

FLOWERS.—All lovers of Plants should send for Catalogue of Geraniums, Fuchsias, Verbenas, Roses &c., to ROBERT S. BROWN, Kansas City, Mo. Box 1158. VILLA NURSERY AND GREENHOUSES.—Grape Vines from 15 to \$100 and upwards, excellent plants. Greenhouse plants at low prices. Address: A. SAUER, Kansas City, Mo.

KAW NURSERY, WYANDOTTE CO., KANS., General Assortment of Nursery Stock, especially Apples and Cherry Trees, Grape Roots and other small fruit plants. Address: G. F. EBERHART, Box 974, Kansas City, Mo. HAWKINS & CORNHIS, Goshen, N. Y., Growers and Importers of Select Garden and Field Seeds and Choice Seed Potatoes. Illustrated Catalogues free.

P. G. HALLBERG'S Nursery Gardens and Greenhouses, adjoining city on the South. Choice trees, plants, bulbs, &c., very cheap. Send for price list to P. G. HALLBERG, Emporia, Kan. MIAMI COUNTY NURSERY, Louisburg, Kansas. E. F. Cadwallader, Prop. Osage Plains, Apple Seedlings and general assortment of Nursery Stock, wholesale and retail. Price list free on application.

GRAPE VINES our specialty. Largest assortment and best plants in the country, at low prices. Address: BUSH & SON & HORTICULTURISTS, Bushberg, Jeff. Co., Mo. APPLE SEEDLINGS, Osage Hedge Plants, and a general assortment of Fruit and Ornamental Trees, Vines, Shrubs, etc. Wholesale or retail price list sent free. The Tabor Nurseries Co., Clinton, Henry County, Mo.

CALIFORNIA broom-corn seed; never turns red, Broom machines. Broom-Corn Cultivator. Send stamp for circular. Charleston, Colos County, Ill. R. A. TRAVER. General Business Directory. SHERMAN HOUSE. The old reliable Granger's Hotel, opposite the court-house, Emporia, Kan. J. GARDNER, Prop. Terms \$1 per day. "Live and let live."

FLORENCE EATING HOUSE. Passengers can get a good square meal for 35 cents at O. T. LIXON'S Bakery and Eating House, North-side of Railway, Florence, Kansas. D. H. WHITTEMORE, Worcester, Mass., makes a machine that at once pares an Apple-slices off and separates. Warranted satisfactory. Price, \$1 and \$1.50 each. Sold by Dealers.

Attorneys at Law. J. SAFFORD, Attorney at Law, 303 Kansas Ave., Topeka, Kansas. Dentists. A. H. THOMPSON, D. D. S., Operative and Sur. Gen. Dentist, No. 139 Kansas Avenue, Topeka, Kansas.

Osage Seed and Plants. Have spent several weeks in Texas in selecting our seed, based on thirty years' experience, and know it to be all new and of the best, such as we will warrant. We have several millions of Plants and other Nursery Stock, all to be sold by Gilman. W. H. MANN & Co., Gilman, Ill.

\$10 Reward will be paid for information leading to the recovery of a three-year-old Black Filly, strong-bone, well-made, no marks or brands. Left home on the 9th day of October 1876. Address: J. C. DAVIES, Emporia, Lyon Co., Kan.

The Kansas Farmer.

J. K. HUDSON, Editor & Proprietor, Topeka, Kan.

\$20 Worth of Papers Given to Assist in Making the County Fairs of '77 a Success.

The Farmer's Great Offer to Agricultural Fair Associations.

Under conditions which imply neither additional expense or trouble to Agricultural Fair Associations, the following Special Kansas Farmer Premiums have been offered to every Association in Kansas, Colorado, Missouri and Nebraska:

KANSAS FARMER SPECIAL PREMIUMS.

- For the best 1/2 bu. of Winter Wheat... 1/2 bu. of White or Yellow Corn... 1/2 bu. of Oats... 1/2 bu. of Apples... [All to be exhibited by the grower.]

FOR THE YOUNG FOLKS.

- For the best Colt owned and exhibited by boy under 15 years of age... Lot of Chickens of any one breed... Made Calico Dress, by any girl under 15 years of age... [and others]

We hope our readers who are members of the various County Societies will use their influence in having the very liberal offer of the FARMER accepted.

If by any accident the Secretary of any Fair Association has failed to receive our special offer, made through Secretaries to the officers of the Association, a postal card, addressed to us will secure the offer, by return mail.

A WORD ABOUT THE BOYS LEAVING THE FARM.

There has been much written against the boys leaving the farm. A large portion of these articles dwell particularly upon the poetical side of farm life, and the moral advantages of the country, over the city.

FARMER BALANCE OF THE YEAR FOR '81.

Sent postage paid to any address in the country.

SOMETHING FOR NOTHING.

We have repeatedly remarked in these columns that the weakest spot in human nature was the desire to get something for nothing.

From Barton County.

May 6.—Winter wheat looks very promising in almost every instance, the late frost may have injured it but it is not yet apparent.

METEOROLOGICAL.

The following concerning the weather is taken from the Almanac of Prof. Tice, of St. Louis:

MAY 1877.

The astronomical disturbing causes during this month are: 2d, Vulcan's passage through 260°; 4th, Mercury's passage through 170°; 8th, Vulcan's passage through 80°; 14th, Vulcan's passage through 80°; 19th, Vulcan's passage through 170°; 25th, Vulcan's passage through 260°; 28th, Venus passage through 80°; 31st, Vulcan's passage through 350°.

PROBABLE WEATHER.—1st, fair; 3d to 5th, f. b. r. t., clouding, threatening weather, with heavy storms in places; 5th to 7th, r. b. f. t., clear or fair; 7th to 10th, f. b. r. t., clouding, threatening weather, with severe storms in places; 10th to 12th, r. b. f. t., fair or clear, with liability to frost, especially in northern sections; 12th to 15th, f. b. r. t., clouding and threatening weather, with local rains; 15th to 17th, r. b. f. t., clear or fair; 18th to 20th, f. b. r. t., clouding and threatening weather, with severe storms in places; 21st to 24th, r. b. f. t., clear or fair; 25th to 31st, variable, generally f. b. r. t., showery and threatening weather, with severe storms about 30th and 31st. The warmest days will be about 5th, 9th, 14th, 20th, 26th and 31st.

EXPLANATIONS.—In the forecasts we have used the following abbreviations: namely, h. for high; l. for low; r. for rising; f. for falling; b. for barometer; t. for temperature. Examples: f. b., falling barometer; r. t., rising temperature. It is not intended that these shall indicate absolute, but only relative, phenomena; r. b., or h. b., is intended to indicate that the barometer relatively has risen and stands higher than it did at the preceding period; and so also of low barometer and temperature.

WEATHER REPORT OF KANSAS, FOR APRIL, 1877.

Prepared by Prof. F. H. Snow, of the State University.

STATION—Lawrence, Kansas, corner of Tennessee and Pinckney streets; elevation of barometer and thermometer 875 feet above sea level, and 14 feet above the ground; anemometer on the University building, 105 feet above ground.

Mean temperature 58°9, which is one degree above the April average for the nine preceding years: Highest temperature, 81° on the 5th; lowest, 25° on the 2d; range of temperature, 56°. Mean at 7 A. M., 48° 2; at 2 P. M., 61° 58; at 9 P. M., 53° 92. There was a heavy white frost on the morning of the 30th, cutting tender vegetables in the gardens. It did no damage to the fruit, as the lowest temperature of the air above the surface of the ground was one degree above the freezing point.

Rain, 3.18 inches, which is 0.16 in. above the April average. Rain fell on 13 days; there was a sprinkling of snow with the rain on the 3d. There were four thunder showers.

Mean cloudiness 53 per cent. of the sky, the month being 2.50 per cent. cloudier than usual. Number of clear days, 11 (entirely clear, 4); half clear, 8; cloudy, 11 (entirely cloudy, 5). Mean cloudiness at 7 A. M., 58 per cent.; at 2 P. M., 55.33 per cent.; at 9 P. M., 45.66 per cent.

Wind—N. E. 25 times; S. E. 21 times; N. W., 21 times; N., 8 times; S. W., 7 times; E., 5 times; S., once; calm, twice. The entire distance traveled by the wind was 11,976 miles, which gives a mean hourly velocity of 16.63 miles. The highest velocity was 50 miles an hour on the 19th.

Mean height of the barometer 28.995 inches; at 7 A. M., 29.018 in.; at 2 P. M., 28.976 in.; at 9 P. M., 28.996 in.; maximum, 29.537 in., on the 2d; minimum, 28.864 in., on the 18th; monthly range, 1.173 inches.

Relative humidity.—Mean for the month, 64.9; at 7 A. M., 76.5; at 2 P. M., 47.4; at 9 P. M., 70.8; maximum 93; minimum, 22.5. There was one fog.

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them. The same is true of a large class of advertisers who offer agents \$10 per day, or \$1,000 per year, or head their advertisement with some other such unreasonable proposition.

THE PROFESSIONAL JUROR.

At the sitting of our District and Circuit Courts and in fact wherever a jury is to be empanelled there is to be found the professional juror. These fellows follow the business of sitting on juries for a living.

See the card of C. H. Dana of West Lebanon, New Hampshire, who advertises his sheep labels.

Our correspondents are asked to give the facts concerning the grasshoppers or any other pests troubling the crops; let us know how you are succeeding in overcoming them, and what methods are practiced.

The publication of county maps of Kansas in the FARMER which have been promised our readers, has been unavoidably delayed, but will be commenced next week.

EARLY CORN.

EDITOR FARMER:—I see inquiries in your paper about early corn, such as will do to plant after the young 'hoppers leave, or will ripen before the old ones come in the fall.

THE GRASSHOPPER.

The FARMER has endeavored to treat the grasshopper problem fairly, neither exaggerating the dangers, nor, on the other hand, ignoring its importance.

Crops, Markets & Finance.

Opinions, Facts, and Figures from Various Sources

From Republic County.

April 27.—The 'hoppers have hatched out in immense numbers in this county during the last two weeks and destroyed some fields of wheat.

From Labette County.

May 1.—Winter wheat is looking well and oats a fair average. Cattle and horses are selling well.

From Osborne County.

Mar 2.—Osborne county is happy to-day, at least ought to be. Her winter wheat and rye never promised so well; spring wheat, barley and oats are doing finely.

From Harvey County.

April 30.—Farmers are in fine spirits, as but few hoppers can be seen; three weeks ago there were millions in patches, now but few can be seen.

From Smith County.

May 2.—Winter wheat and rye look well; spring grain is all sown, and most of the corn planted.

From Clay County.

May 1.—We are still alive and fighting manfully to sustain the repute as the "Banner county" of Kansas.

From Cowley County.

April 23.—Winter wheat looks well, and one-third more sown than last year, it pays best here now; spring wheat does not pay.

From Wabaunsee County.

May 3.—What winter wheat there is here does not look very promising, it was sown too late in the season to get a fair start;

From Cedar County, Iowa.

April 30.—I notice in the FARMER reports from various sections of the country in relation to the present condition of the crops, weather and general outlook of the prospects of the farming community, and perhaps a few lines from this section of country may be of some interest to the many readers of your valuable journal.

From Greenwood County.

April 28.—There was less winter wheat sown than usual, and the prospect is poor on account of the grasshoppers having eaten a great deal.

From Rose County.

April 28.—The prospect for both fall and winter wheat is good. There will be a much larger acreage of corn planted than last year, also a larger acreage of oats sown.

Pottawatomie County.

May 5.—I see that many of your correspondents express a very commendable determination to make it hot for the locust when he shall fairly make his appearance, and our state Legislature tinkered up a law for the same affect, but how this is to be done is the question which I have not as yet seen rationally answered, for every man in the 'hopper region is interested in finding a practical solution to the question and the press will herald any discovery to the people.

Kansas City Produce Market.

KANSAS CITY, May 8, 1877.

WHEAT—Lower 3@5c; No 3 \$1.90 bid spot; \$1.80 May; No. 4, \$1.76 bid spot; \$1.75 bid May.

Kansas City Live-Stock Market.

KANSAS CITY, May 3, 1877.

CATTLE—Stockers and feeders in good request; sales, shippers, \$4.60@5; butchers' steers \$4.30@4.50; cows, \$3.60.

New York Produce Market.

NEW YORK, May 3, 1877.

FLOUR—Dull and slightly in buyers' favor, superfine western, \$7.75@8; common to good, \$8.25@8.50; good to choice, \$8.20@8.40; white wheat extra, \$8.45@8.55; St. Louis, \$8.10@11.

St. Louis Produce Market. St. Louis, May 8, 1877. FLOUR—Held above buyers' views and little doing.

St. Louis Live-Stock Market. St. Louis, May 8, 1877. HOGS—Dull and less firm, but unchanged; \$5 to \$5.00 Receipts 2,100.

Chicago Produce Market. CHICAGO, May 8, 1877. FLOUR—Dull and tending downwards. WHEAT—Dull, weak and lower.

Chicago Live-Stock Market. CHICAGO, May 8, 1877. CATTLE—Thin stockers to good feeders, \$3 65 to 4 55; cows and butchers' \$3 75 to 4 55.

Baltimore Grain Market. BALTIMORE, May 8, 1877. CORN—Western, dull, weak and lower, and closed steady at a decline.

THE MARSH WIND MILL. Attention is directed to the advertisement of this popular mill. It is said to be the only mill with a graduating crank.

Long indulgence in overeating or drinking produces a disorganized liver, and all the evils attendant upon such derangement: derision of spirits, habitual costiveness, nervous exhaustion, indigestion, pain in the head, with nausea, fullness of stomach after meals, chilliness, general debility and languor.

COME NOW AND LET US REASON TOGETHER. Why do people so frequently say to Dr. Pierce, "I suppose your Golden Medical Discovery cures every thing?"

Why do people so frequently say to Dr. Pierce, "I suppose your Golden Medical Discovery cures every thing?" Because it has been the practice of knavish charlatans to manufacture worthless nostrums and attempt to dupe the ignorant and credulous by recommending them to cure every form of disease.

E. E. Ewing sells the best class of groceries in Topeka. He will not handle shoddy goods. The average range of prices are lower than any store in the city.

Farm Seeds. The following are current jobbing quotations for farm seeds in the Kansas City market:

Table with 2 columns: Item and Price. Includes items like Red Clover, Timothy, Blue Grass, Orchard Grass, Top onion sets, etc.

Chicago Lumber Market. Table with 2 columns: Item and Price. Includes items like First and second clear, Third clear, etc.

Kansas City Market. Table with 2 columns: Item and Price. Includes items like BUTTER—Per lb—Choice, EGGS—Per doz—Fresh, POTATOES—per bush, etc.

Kansas City Horse and Mule Market. Table with 2 columns: Item and Price. Includes items like Auction horses and ponies, Plug horses, etc.

Topeka Retail Grain Market. Table with 2 columns: Item and Price. Includes items like Wheat—Per bu. spring, Fall No. 3, etc.

Topeka Produce Market. Table with 2 columns: Item and Price. Includes items like Grocers retail price list, corrected weekly by J. A. Lee, Apples, Beans, etc.

Topeka Lumber Market. Table with 2 columns: Item and Price. Includes items like Corrected weekly by Jno. H. Leidigh, Joist and Scantling, etc.

Topeka Butcher's Retail Market. Table with 2 columns: Item and Price. Includes items like BEEF—Sirloin Steak per lb, Round, etc.

Plant the sweet Amden peach in Kansas and the south-west, See advertisement of Carthage Peach Nursery in this paper.

Ashton Dairy Salt is the only salt fit to dress butter with, because it is free from lime or other impurities.

THE SEASHORE AND WATERING PLACES. Of the East become uninviting after frequent visits, but the wonderful scenery of the Rocky Mountains and the magic waters of the mineral springs have continued interest for the tourist and unfailing benefits to the invalid.

That splendid Liverpool Dairy Salt so valuable and necessary in making good butter, I for sale at A. A. Ripley and Sons, Topeka, Ks

TO CONSUMPTIVES. The advertiser, a retired physician, having providentially discovered, while a medical missionary in Southern Asia, a very simple vegetable remedy for the speedy and permanent cure of CONSUMPTION, Asthma, Bronchitis, Catarrh, and all throat and lung affections.

IMPORTANT TO ALL. The most general complaint that seems to spare neither class nor condition of person, is seated in the liver. Many with woe begone countenances, despondent spirits and depressed feelings, exaggerate every event until even suicide has been known to result from this morbid condition of body and mind.

EDITOR FARMER:—Please inform Farmers through your columns, that they can always obtain the top of the market in cash, for their Hides, Wool, Pelts and Tallow.

IN THE SWEET BY-AND-BY. Cannot be but the happy thought as the fortunate recipient of the "ROCKY MOUNTAIN TOURIST" scans its wonderfully attractive pages and peruses its fascinating descriptions.

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

Victor Cane Mill and COOK EVAPORATOR. THE BEST, and only standard machine. FIRST PREMIUM AT 1876 STATE FAIRS.

EVERY BOTTLE SLOAN'S HORSE OINTMENT FOR Collar and Saddle Galls, SCRATCHES, SORE TEATS AND Wounds of Every Description.

GREAT Joint Public Sale OF SHORT-HORNS, AT WEST LIBERTY, IA. WEDNESDAY, MAY 16th, 1877.

THE Subscribers announce that they will hold a joint public sale of Short horn cattle at West Liberty, Iowa, on Wednesday, May 16th, 1877, at the residence of Mr. George Chase, about one mile from town.

SWEET POTATO PLANTS. Night best varieties of Strong Stocky well rooted plants, sent prepaid to your nearest express office at \$3 00 per thousand.

WANTED energetic men in every county to sell our indispensable E. C. Chase's Articles to families. Salary liberal. Add. BROWN & CO., 216 Elm Street, Cincinnati, O.

DO NOT purchase any article until you have our new Catalogue. Great reduction in prices. Free to any address.

Cooley's Early Corn! The safest Corn to plant early or late. Two Bushels shipped in a good sack for \$1 50 per bushel.

\$95 CIGARS. A Month and Express. SALERIES WANTED TO SELL CIGARS. Address: YALE CIGAR CO., Cincinnati, Ohio.

THE FEARLESS RAILWAY THRESHING MACHINES. Being the ONLY entire Machine awarded a GRAND PRIZE MEDAL AND DIPLOMA OF HONOR.

MARSH WIND MILL. The only Mill with Graduating Crank that gives a longer and shorter stroke to pump, in proportion to the force of the wind.

THE RIDING CULTIVATOR. The acknowledged champion of the corn field. For illustrated Pamphlets, send to the MARSH HARVESTER Mfg. Co., 14 and 15 So. Canal St., Chicago.

G. E. M., One-Hole Hand, and "SWEETSTAKERS" Two-Hole Hand, or Power, CORN SHELLERS.

EMMENT'S PATENT ADJUSTABLE Animal Power. It can be adjusted to perform more or less labor. While in Motion. Send for Catalogue.

CHICAGO Enamel Paint Works! White, and All Colors and Shades. Mixed Ready for the Brush.

A. H. Holden & Co., 242 Madison Street, CHICAGO.

SHANNON HILL STOCK FARM. Breeder of Thoroughbred English Berkshire Pig.

GEO. M. CHASE, KANSAS CITY MISSOURI. Breeder of Thoroughbred English Berkshire Pig.

6000 AGENTS WANTED. Six new Patents, selling everywhere. Sole agencies given.

STRAYED. From my residence, three miles south of Topeka, and half a mile east of the railroad, on the 5th of April, five head of horses.

WILL PAY for 6 nice plants, prepaid by mail, of the Capt. Jack, Triumph of Cumberland, Col. Chesey, Star of the West, March of the West, Boyde's No. 30, and six each of Lowen's Frolie and Chas. Downing, the best early straw berries.

BERKSHIRES! Brood backs, heavy hams and shoulders, short legs and heads, abundant hair, good constitutions, with purity of blood, and good size combined with early maturity, make my BERKSHIRES unsurpassed. I breed but a few and those of the best. Prices right. F. D. COBURN, Pomona, Franklin Co., Kansas.

HOW TO POST A STRAY.

BY AN ACT of the Legislature, approved Feb. 27, 1866, section 1, when the appraised value of a stray or strays exceeds ten dollars, the County Clerk is required to post a notice...

SYNOPSIS OF THE STRAY LAW.

Broken animals can be taken up at any time in the year. Unbroken animals can only be taken up between the 1st day of November and the 1st day of April, except when found in the lawful inclosure of the taker...

THE OUTLOOK FOR BREEDERS OF SHORT-HORN.

Notwithstanding the prevalent mistrust as to financial future, and the general stagnation of business, which is being felt all over our country, there has been no time within the past ten years when there was so general a demand for good, well bred, Short-horn bulls as at present.

DOWN WITH HIGH PRICES.

CHICAGO SCALE CO., 68 & 70 W. Monroe St., Chicago Ill.



4 ton Hay Scales, \$60; old price, \$100. All other sizes at a great discount. All Scales warranted. Send for Circular and Price-List.

THE TIFFIN Well Boring and Rock Drilling MACHINE!



\$40 PER DAY! made easily with this Machine!

The most perfect in the world. Horses from 12 to 44 inches in diameter. It does the work of a dozen men. The horse does not travel around the well. Absorbs all raised and lowered instantly. Successful where all others fail. No labor for man. Send for our 60 PAGE BOOK, FREE.

MULBERRY TREES

Morus Alba, Morus Rosca, Moretti, Mulberry, Lhou or Japanese Mulberry Trees.

The above varieties are the best for silk worm food, for forest, ornamental and fruit trees. They are raised and lowered instantly. Successful where all others fail. No labor for man. Send for our 60 PAGE BOOK, FREE.

AMSDEN JUNE PEACH, Earliest, Hardest and Best.

Ripe here June 27th, 1876, large as Hale's, highly colored and delicious. Buds by mail \$1 per hundred, by Express \$5 per 1000.

DEATH TO HIGH PRICED TREES

TALLULA NURSERY.

Your attention is respectfully invited to the following list and prices of Nursery Stock for sale at the Tallula Nursery:

Table with columns for tree type, size, and price. Includes items like Apple Trees, Pear Trees, Plum Trees, etc.

50 BEAUTIFUL ADDRESS CARDS, put up in Card Case and sent, postage paid, to any address for \$1.00.

Fowls and Eggs for Sale.

Imperial Pekin and Cayuga Ducks; Bronze and White Holland Turkeys; Light and Dark Bantams; Buff, Black, White and Partridge Cochins; Golden Sebright Bantams and Plymouth Rocks.

SHEEP

Wanted in exchange for 240 Acres of Land in Missouri. Address: Frankfort, Kansas.

FINE STOCK FOR SALE.

I have for sale Dark Brahmas, Pea Fowls, one Berkshire Boar, of Frank Leach stock, and one Thoroughbred Short-horn Bull, four years old, or exchange for another.

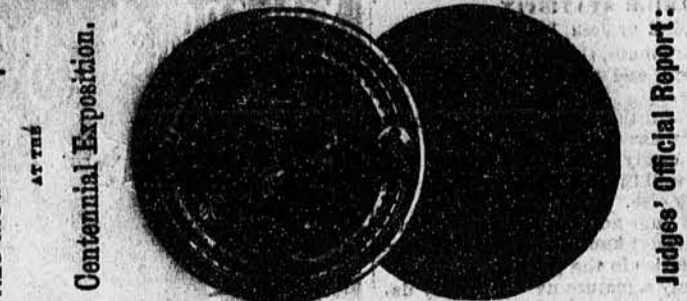
SWEET POTATO PLANTS.

\$1.50 per 1000, delivered at the Express office in Lawrence in good shipping order. Address: NOAH CAMERON, Lawrence, Kansas.

OPTUM

Morphine habit absolutely and speedily cured. Failures no publicity. Send stamp for particulars. Dr. C. W. Jones, 1023 Washington St., Chicago, Ill.

THE KANSAS WAGON!



And also all Kinds of Freight, Spring and Express Wagons.

We use the most improved machinery, and under the direction of the most skillful foremen in the United States, employ two hundred men in the manufacture of these wagons.

Kansas Manufacturing Compy, Leavenworth, Ks.

A. CALDWELL, President; N. J. WATERMAN, Vice President; C. B. BRADY, Treasurer; J. B. McAFEE, Secretary; A. WOODWORTH, Superintendent Shops.

The above Line of Goods are for sale by W. W. CAMPBELL & BRO., TOPEKA, Ks.

PAINTING.

THE PATRON PAINT COMPANY, manufactures and sells the INGERSOLL READY-MIXED PAINTS, and BRUSHES, and no money required until the goods are received.

WEANING BITS.



FOR CALVES AND COLTS, OR COWS THAT SUCK THEMSELVES.

The bit is hollow and put in the animal's mouth, so that in sucking it sucks air, the vacuum being broken. The bit does not prevent animals from eating or drinking.

For Cows, : : : 35 cents. each. For Calves and Colts, : : 25 cents. For Yearlings, : : 30 cents.

JAMES LILLIE, LOUISBURG, Miami County, Kansas.

Elmwood Stock Farm,

Springfield, Illinois.

Jersey Cattle, Berkshire Swine and Cotswold Sheep.

Elmwood herd of Berkshires contains the finest and most modern strain of blood in England or America, descended from the most successful prize-winning families.

Young stock of superior excellence and fashionable pedigrees for sale at low prices.

Our brood sows are not surpassed by any herd in America, and excel in all that goes to make up the model Berkshire—short legs, necks and heads, broad hams, loins, and shoulders, with fine thick coats of hair, large size, good feeders, reliable breeders, and in quality and price.

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THE STRAY LIST.

Brown Co.—Henry Isely, Clerk. MARE—Taken up by F. B. Curtis, of Walnut Tp. (Carson P. O.) May 1, 1877, one dark bay mare black legs, mane and tail, 3 years old this spring, right hind foot white and white spot inside of left hind foot, small star in forehead, no marks or brands. Valued at \$40.00.

DR. C. McLANE'S VERMIFUGE.

SYMPTOMS OF WORMS. The countenance is pale and leaden-colored, with occasional flushes, or a circumscribed spot on one or both cheeks; the eyes become dull; the pupils dilate; an azeuresmicircle runs along the lower eyelid; and the nose is irritated, swells, and sometimes bleeds; a swelling of the upper lip; occasional headache, with humming or throbbing of the ears; an unusual secretion of saliva; slimy or furred tongue; breath very foul, particularly in the morning; appetite variable, sometimes voracious, with a gnawing sensation of the stomach, at others, entirely gone; fleeting pains in the stomach; occasional nausea and vomiting; violent pains throughout the abdomen; bowels irregular, at times costive; stools slimy; not unfrequently tinged with blood; belly swollen and hard; urine turbid; respiration occasionally difficult, and accompanied by hicough; cough sometimes dry and convulsive; uneasy and disturbed sleep, with grinding of the teeth; temper variable, but generally irritable, &c.

DR. C. McLANE'S LIVER PILLS.

These Pills are not recommended as a remedy for "all the ills that flesh is heir to," but in affections of the Liver, and in all Bilious Complaints, Dyspepsia and Sick Headache, or diseases of that character, they stand without a rival.

AGUE AND FEVER.

No better cathartic can be used preparatory to, or after taking Quinine. As a simple purgative they are unequalled.

BEWARE OF IMITATIONS.

The genuine are never sugar coated. Each box has a red wax seal on the lid, with the impression DR. McLANE'S LIVER PILLS. Each wrapper bears the signatures of C. McLANE and FLEMING BROS. Sold by all respectable druggists and country storekeepers generally.

FREE!

\$70 A Week! At Home! Ladies & Gentlemen in search of honorable, permanent and profitable employment, can obtain the same by securing the agency of our U.S. SERIAL HOUSEHOLD NURSERY & LAUNDRY.

FREE!

Make Money, and will cheerfully send 100 samples for 25 cents to persons desiring to test the article, or particulars free!

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Make Money, and will cheerfully send 100 samples for 25 cents to persons desiring to test the article, or particulars free!

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FREE!

Make Money, and will cheerfully send 100 samples for 25 cents to persons desiring to test the article, or particulars free!

Advertisement for 'FREE!' featuring a large graphic and text about making money at home.

Advertisement for 'Revolvers' featuring an illustration of a revolver and text describing its features.

Let us Smile.

ANIMAL STATISTIX.

[Compiled by Josh Billings.]
 Cats are affectionate, they lay young chickens, sweet cream, and the best place in front of the fire place.
 Dogs are faithful they will stick to a bone after everybody has deserted it.
 Parrots are easily educated, but they will learn to swear well in half the time they will learn anything else.
 The birds eat bugs and worms for plain vittles, but their dessert consists of the best cherries and gooseberries in the garden.
 The owl is only a picture of wisdom by daylight, when he can't see enny, thing. When it comes nite his wisdom wholly konsists in ketching a field mouse, if he kan.
 The donkey is an emblem of pashance, but if you study them klosser yn will find that lazyness is what's the matter ov them.
 The eagle is the monarch of the skies, but the little king-bird will chase him to his hiding place.
 The ox knoweth his master's krib, and that iz all he dux kno or care about his master.
 Monkeys are imitativ, but if they kan't imitate some devilry they ain't happy.
 The goose is like all other phools—allwuss seems anxious to prove it.
 If mules are ever meek it is simply because they are ashamed of themselves, but mules are hybrid, ain't accountable for anything.
 The bees are a bizzy people; rather than be idle they will rob each other ov their hunny.
 The cockroach is a loafer, and don't seem to live so much on what they eat as what they kan get into.
 Ducks are only cunning about one thing; they lay their eggs in sitch sly places that sumtimes they kan't find them again themselves.
 The muskrat kan foresee a hard winter and provide for it, but he can't keep from gittin ketchid in the syllest kind ov a trap.
 Hens know when it is a-going to rain, and shelter themselves, but they will try to hatch out a glass egg just as honest as they will one ov their own.
 Mudurkles are the slowest ov enny four-legged kriter, and yet they are allwuss on the move trying to get somewhere else.
 Hornets hav more fight in them than enny thing ov their size, but there iz no method in their madness; they will pitch into a meeting house when they are furious, just as anxious as they will into a sleeping baby in its kradle.
 The kro iz the most natral of all thiefs; they will steal, and hide what iz of no use to them, nor loss to enny boddy else.
 Ants are the bizzyest ov all the little or big bugs, but a large share ov their time iz spent in repairing their houses, which are built where folks kant help but step on them.
 Flies toll not, neither do they spin, yet they have the first taste ov all the best gravys in the land.
 The cuckoo is the greatest ekonomist among the birds; she lays her eggs in other birds' nests, and lets them hatch them out at their leisure.
 Rats hav fewer friends and more enemies than anything of the four-legged purawashun on the face of the earth, and yet rats are as plenty now as in the palmest days ov the Roman Empire.
 Ov all things lazy the sloth wears the belt, and yet his lazyness is all thare is interesting about him.
 The frog dodgeth when it lightens, and the tud gasps when the thunder bellows.
 The kro builds her nest ov stix, the swallo ov mud, the squirrells ov leaves, the wren ov feathers and wool, and the wookpecker digs a hole for his eggs in the rotten trees.
 The sarpent and the krab change their clothing each year, and the raskoon lives all winter long on the memory ov what he et in the summer.
 The horse allwuss gits up from the ground on his fore legs first, the ko on her hind ones, and the dog turns round 8 times before he lies down.
 The kangaroo he jumps when he walk, the coon paces when he trots, and the lobster travels backwards as fast as he does forward.
 The elephant has the least, and the rabbit the most eye for their size, and a rat's tale iz just the length ov his boddy.
 The spider is the only kriter that ketches its food in a trap, and a sheep will liv without water longer than enny domestick animal.
 The fox is the hardest to ketch in a trap, and a muskrat the easyest, and the meddo lark iz the shyest ov all the birds ov the air.
 The kro flies 6 miles, and the wild pigeon 60 an hour, but the humming bird beats all things on the wing.
 The horse will eat 10 hours out ov every 12; the ox lays down and chews his kud half the time; and the hog never knows what it iz not to be hungry.
 The wild turkey kan run faster than he kan fly, and any man who is a good walker kan tire a deer out in 24 hours.
 I kant think, in konklusion, ov anything just now, in art, science, or morality, that mankind excel in, but what kan be found, more or less developed, in the bugs, beasts, birds and fishes.

ADVERTISEMENTS.

In answering an Advertisement found in these columns, you will confer a favor by stating you saw it in the KANSAS FARMER.

CLIMAX



Mowers and Reapers

These machines are used by the P. of H. throughout the United States, and are sent to them at wholesale prices. Send for descriptive Catalogue and Price List. GIBBS & STERRETT MFG CO., 5 South Main Street, St. Louis, Mo.



J.W. English & Bro.,

WHOLESALE DEALERS IN
Reaper and Mower Knives,
MOWER AND REAPER SECTIONS,
KNIFE and SICKLE HEADS,
Guard and Section Rivets, Brass Pitman Boxes, Thresher Spikes,
Patent Safety Couplings, Babbitt Metal, Rubber and Leather Belting.
1227 Union Avenue, Near Union Depot, Kansas City, Missouri.
WRITE FOR PRICE LIST AND DISCOUNTS.

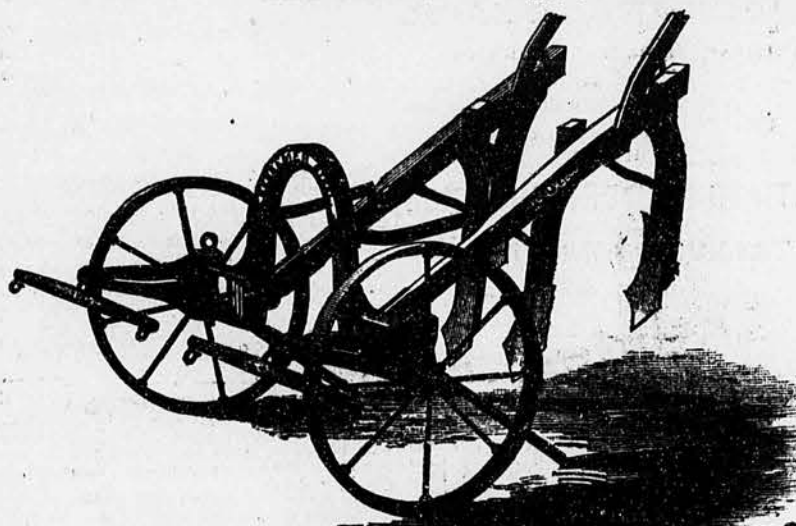
Champion Hog Ringer RINGS & HOLDER.
 Only double ring ever invented.
 The only ring that will effectually keep HOGS from rooting. No sharp points in the nose.
 Ringers, 75c. Rings, 50c. 100. Holders, 75c.

Brown's Hog and Pig RINGER & RINGS.
 Only single ring in the market that closes on the outside of the nose.
 No sharp points in the nose to keep it sore.

CHAMBERS, BERING & QUINLAN, Exclusive Manufacturers, Decatur, Ill.

THE KELLY BARR FENCE.
 THE BEST FENCE IN THE WORLD.
 ALL STEEL WIRE with BEST STEEL BARBS—weight only one pound to the rod. Point beveled from both sides. Best spool to handle. Fully licensed under ALL THE BOTTOM PATENTS, by Washburn & Moen Manufacturing Co. No danger of being troubled for infringements. Ask your Hardware Merchants for the KELLY BARR FENCE. Manufactured by THE TROEN WIRE WEDGE CO., 277 Madison St., Chicago.

Trumbull, Reynolds & Allen's AGRICULTURAL HOUSE, 419, 421 and 423 Walnut Street, Kansas City, Missouri!



The New Departure (Tongless) Cultivator. In our Agricultural Implement Department will be found none but the Latest Improved, Highest Grade, Best Made Farm Machinery in the Market.

We are the Western Depot for the Canton Clipper Plows, Parlin Cultivator, Canton Vibrating Harrow, Cole's Stalk Cutter, New Departure (Tongless) Cultivator, Canton Sulky Plow (warranted the best in market), Selby Corn Planter, Challenge Corn Drill, Champion Reaper and Mower, Van Osdel's Hedge Trimmer, the Aultman and Taylor Thresher, the Taylor and Dayton Sulky, Hay Rakes, Huber Revolving Rake, Superior Grain Drill, Big Giant Corn Mill, Sandwich Corn Shellers, etc., etc.

In our Wagon and Carriage Department,

Will be found the Studebaker Farm Wagon, and Good Strong Serviceable Spring Wagons, Buggies and Carriages, of every description; we keep no shoddy spring work. Have adopted as our platform, on all of our work the best Wheel, best Spring best Axle, that can be procured, (let prices be graded by the finish), so that whoever gets a job of spring work of us can have the assurance that it will be of lasting service to them.

In our Seed Department,

Will be found none but Pure, Fresh, Field, Garden, and Flower Seeds.

We use great care in purchasing our Field Seeds only of responsible parties, and having our Garden Seeds grown for us by some of the best growers in the country, seeds especially adapted to this climate. We study the wants of the farmers of the new West, and those who have been procuring their seeds of us, or our seeds through their merchants, testify to the fact of having the best success in raising crops they ever had. We take pains to furnish only the best of everything and more for the money than any other Agricultural House in the West, and our customers can have the assurance and the warranty that when they get anything from us, or from their merchants who keeps our goods, from either department, that none can be better.

Don't be satisfied with any other line of Goods, inquire for them in every instance, and if your merchant does not keep them send to us direct. Send for our handsome Illustrated Catalogue containing description and prices, of goods in each department, and replete with useful information. Address

TRUMBULL, REYNOLDS & ALLEN, Kansas City, Mo.



GOOLMAN'S Improved Standard Scales,

PATENTED MAY 23d, 1874.—MANUFACTURED BY

The Goolman Company,

Corner of Walnut and 20th Streets, KANSAS CITY, MO.

ALL KINDS OF CASTINGS MADE TO ORDER AND SCALES REPAIRED.

These Scales are superior in workmanship, accuracy, and durability, weighing from one pound to full capacity of the scale, with the utmost precision, and will be sold on as good terms as any good scale. We also manufacture Goolman's Folding and Stationary Top SCHOOL DESKS, and Warrant the same to be the strongest and most convenient yet offered to the Western people. Address for Circulars and lowest terms, The Goolman Co.

DEERE & Co., Moline, Illinois.

A. MANSUR, St. Louis, Mo.

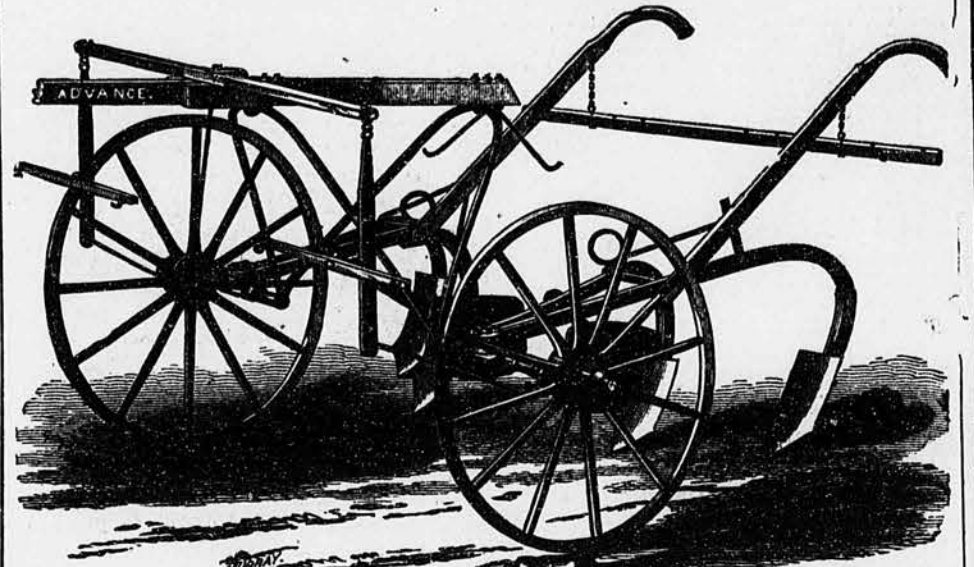
C. S. WHEELER, Kansas City, Mo.

DEERE, MANSUR & Co.,

GENERAL DEALERS IN ALL KINDS OF FARM MACHINERY, KANSAS CITY, MO.

We call the especial attention of Farmers to our line of strictly Standard and fully Warranted Goods adapted to their wants. With extensive establishments in Kansas City and St. Louis, and direct connection with the largest Plow Factory in the World, we are justified in asserting that our facilities for Manufacturing and Selling the best articles at low prices are unequalled in the West. We respectfully solicit your trade and will be pleased to send you our "Farmer's Pocket Companion" for 1877, free by mail on application. It is not a cheap Advertising dodge, but a handsome Diary and Pocket Book, replete with valuable information.

100,000 IN USE!



The Advance Walking Cultivator

—MANUFACTURED BY—

DEERE & COMPANY, Moline, Illinois.

Admitted, Everywhere Introduced, to be the Best Cultivator Made!

Awarded the FIRST PRIZES at every field trial by the Iowa State Fairs for six successive years. Winner of the GRAND GOLD MEDAL at the Indiana State trial at Purdue University, June, 1876. Over twenty Cultivators competed, including all the principal ones now made.

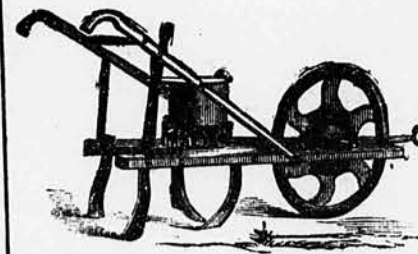
Points of Excellence which make it Superior to any Other:

ITS HEIGHT OF AXLE, clearing the tallest corn. SINGLE TONGUE, affording best facility in turning. STRENGTH OF FRAME, being Double-Arched and of Wrought Iron. WROUGHT IRON AND STEEL COUPLINGS never fail. IMPROVED SAFETY BREAK-PIN and Varied Adjustability of Shovels.

In all the above important features the ADVANCE is superior to any other cultivator. It is the MOST ECONOMICAL to the farmer because of its strength and durability; and the MOST SATISFACTORY because of the superior quality of its work, and ease of control. It has worked its way to its advanced position in the hands of 100,000 farmers; and the well-confirmed conclusion of all dealers in implements who have handled or come in competition with it in the market, is that

The Advance has No Equal.

We invite farmers to examine it carefully in the hands of responsible dealers, and to buy none till you have seen the Advance.



The HOOSIER CORN DRILL

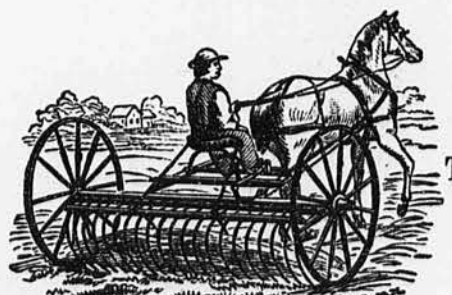
One Man and Horse plant ten acres per day with ease, and the yield is greater by ten to fifteen bushels per acre, than when planted with two-horse planters.

Very Popular Wherever Known.

These Celebrated Churns have the endorsement of the best dairymen of the country. They combine more good qualities than any other. Five sizes made. Every Churn warranted. Made only by PORTER, BLANCHARD'S SONS, CONCORD, N. H. We are their General Agents, send to us for Catalogue and Prices.



With TWENTY OIL TEMPERED Spring Steel Teeth.



A BOY OR GIRL TEN YEARS OLD Can Work It Easily.

The "Coates" Lock Lever Sulky Rake.

The favorite Rake in Kansas, and outsells all others, as we are prepared to prove by the figures. We have handled it for the past seven years with great success. We can hardly tell the story of its merits in more convincing terms, but we invite any farmer expecting to buy a rake, to send to us for Special Circular.

Office and Warehouses, Santa Fe and Twelfth Streets, West Kansas City.

DEERE, MANSUR & CO., KANSAS CITY, MO.

May 9, 1877.

The Kansas Farmer. SUPPLEMENT.

J. K. HUDSON, Editor & Proprietor, Topeka, Kan.

LEGAL RATES OF INTEREST.

Maine, Massachusetts, Rhode Island, Texas, California and South Carolina have abolished all usury laws, and given the people the right to contract for money as fully as for food. The legal rate of interest in Alabama is eight per cent. On usurious contracts the principal can only be recovered. Arkansas—Rates of interest six per cent, but parties can contract for any rate not exceeding ten. Usury forfeits both principal and interest. California—Ten per cent, after a debt becomes due, but parties may agree upon any rate of interest whatever, simple or compound. Connecticut—Seven per cent. Usury forfeits interest taken in excess of legal rate. Colorado—Ten per cent on money loaned. Dakota—Seven per cent. Parties may contract for a rate not exceeding twelve. Usury forfeits all the interest taken. Delaware—Six per cent. Penalty for usury—forfeits a sum to the amount lent. District of Columbia—Six per cent. Parties may stipulate in writing for ten. Usury forfeits all the interest. Florida—Eight per cent. Usury laws repealed. Money may be loaned at any rate. Georgia—Seven per cent. Parties may contract for twelve. A higher rate than twelve forfeits interest and excess. Illinois—Six per cent, but parties may agree in writing for ten. Penalty for usury forfeits the entire interest. Indiana—Six per cent. Parties may agree in writing for any rate not exceeding ten. Beyond that rate is illegal as to excess only. Iowa—Six per cent. Parties may agree in writing for ten. A higher rate works a forfeiture of ten per cent. Kansas—Seven per cent. Parties may agree for twelve. Usury forfeits the excess. Kentucky—Six per cent, but contracts may be made in writing for ten. Usury forfeits the whole interest charge. Maine—Six per cent. Parties may agree in writing for any rate. Maryland—Six per cent. Usurious contracts can not be enforced for the excess above the legal rate. Massachusetts—Six per cent, but parties may agree for any rate in writing. Michigan—Seven per cent. Parties may contract for any rate not exceeding ten. Minnesota—Seven per cent. Parties may contract to pay as high as twelve in writing; but contracts for a higher rate is void as to excess. Missouri—Six per cent. Contracts in writing may be made for ten. The penalty for usury is forfeiture of the interest at ten per cent. Nebraska—Ten per cent, or any rate on express contract not greater than twelve. Usury prohibits the recovery of any interest on principal. New Hampshire—Six per cent. A higher rate forfeits three times the excess to the person aggrieved suing. New Jersey—Seven per cent. Usury forfeits all interest and cost. New York—Seven per cent. Usury is a misdemeanor, punishable by a fine of \$1,000 or six months imprisonment, or both, and forfeits the principal, even in the hands of third parties. Ohio—Six per cent, in all cases where there is no contract. Eight per cent on written contract. Oregon—Ten per cent. Parties may agree in writing for twelve. Pennsylvania—Six per cent. Usurious interest cannot be collected. If paid may be recovered by suit therefor within six months. Rhode Island—Six per cent. Any rate may be agreed upon in writing. Parties may contract in writing for any rate not exceeding ten per cent. Texas—Eight per cent. All usury laws abolished by the new Constitution. Vermont—Six per cent. Usury forfeits only the excess. Utah Territory—Ten per cent. No usury laws. Any rate may be agreed upon. Virginia—Six per cent. Lenders forfeit all interest in case of usury. West Virginia—Six per cent. Excess cannot be recovered if usury is pleaded. Washington Territory—Ten per cent. Any rate agreed upon in writing is valid. Wisconsin—Seven per cent. No interest can be computed on interest. Usury forfeits all the interest paid. Wyoming Territory—Twelve per cent, but any rate may be agreed upon in writing. Dominion of Canada—Six per cent, but parties may agree upon any rate.

HORSE TALK TO BREEDERS OF HORSES.

The breeding of horses is annually becoming less a matter of chance and hap-hazard and more a question of science. Every intelligent breeder breeds for a purpose. If a fast trotter is wanted, the intelligent breeder selects for his purpose some one of the well-recognized strain of trotting stock from which to breed. So also if he wishes a horse for racing, or for draft or carriage purposes, he selects the proper dam and sire from which to breed them. The fact is well established that while chance breeding is unprofitable, breeding for a purpose, making a judicious selection of the stock from which to breed, almost invariably pays. The value of a stock horse depends, first, upon the adaptation of the horse himself for the uses to which you wish to put his produce, and also that he belongs to a family that has produced the kind of stock which you wish to raise. Just here is where we find the value of pedigree; it enables us with a great degree of certainty, if the horse himself suits us and the character of his ancestry for producing their like is satisfactory, to judge just the kind of stock we shall raise if we breed to him. The best horse for farm use is one that possesses sufficient size for all ordinary draft purposes, with sufficient activity for the limited amount of driving on the road, which every farmer's horse must be subject to. Now while it is not difficult to find plenty of large sized stock, horses unfit for any gait but a slow walk, from which to breed farm stock, it is very difficult to find a large, well-formed one, possessing in himself, and by his pedigree showing that his family also have possessed and transmitted to their produce, a sufficient amount of activity to render them useful not only for draft, but also for road work. In this connection let me call the attention of the breeders of farm stock to a horse which I think comes nearer to filling all the conditions of a perfect stock horse of this description than any horse I have ever seen. I refer to a horse owned by Mr. T. K. McGlathery, and kept in Topeka, called Royal George. I have known the horse and been personally acquainted with his owner for several years. The pedigree of the horse is unexceptionable, and all of his colts that I have seen inherit in a marked degree the size and activity of their sire. He is a horse which any gentleman might take pride in possessing, and should be examined by breeders of farm stock. I presume his owner would be pleased to show both horse and pedigree to any admirers or breeders of good stock. The same gentleman has also a very fine young stock horse of the Bashaw family, one of the best strain of trotting stock in the country. He is a grandson of Green's Bashaw and of thoroughbred blood on side of dam. Although untrained he shows fine trotting action. He is remarkably well trained, being nearly related through Green's Bashaw, with Kirkwood. Record, 2 24 1/2; Bashaw Jr., 2 24; Wild Cat, 2 29; Badger, 2 24; Gen. Grant, 2 21, and with over 40 horses of Bashaw blood that have a record better than 2 30. Parties desiring to breed trotters should certainly look at this horse. ORLOFF.

The business which actually passed through the books of the Missouri purchasing agency, from March 5th to April 5th, inclusive, was \$47,558. The purchases made by visiting brethren during the same time from the wholesale houses which are supplying the trade, upon introductory cards from the agency, would reach only \$10,000 more. The cash receipts of a single day during the month have reached as high as \$4,500.

ADVERTISEMENTS. In answering an Advertisement found in these columns, you will confer a favor by stating you saw it in the KANSAS FARMER. A. A. RIPLEY & SON, Topeka, Kansas, DEALERS IN GROCERIES AND Agricultural Implements. We are Agents for the sale of the Selby (or Union) Corn Planter, Described in this paper, Feb. 28th, 1877. Also the NEBRASKA CITY PLOWS, La Harpe Cultivator, AND THE PIERPONT SULKY PLOW. The lightest and strongest Sulky Plow made, all Wrought Iron and Steel. Commission Merchants. DOWNS & MERRILL. Dealers in Grain and Country Produce. Orders for produce promptly filled at lowest market rates. Consignments of any kind of goods or farm machinery solicited. Prompt and careful attention given to the disposal of all consignments. We have on sale, Cultivators, Reapers, Mowers, and Harvesters. We are State Agents for the Manufacture of Plows. We are ready to fill orders for a plow or car load. In lots of five Plows and upwards, we sell at greatly reduced prices. Sued for prices. We have Farm and Spring Wagons. A fine Platform Spring Wagon at \$135.00. Office and Warehouse on Seventh Street and Atchison, Topeka and Santa Fe Railroad Track. Sample Store where our Implements may be seen, is on Sixth Street, between Kansas Avenue and Quincy Street, Topeka, Kansas.

REAL ESTATE AND MONEY. TOPEKA BANK Savings Institution, Topeka, Kansas. State Incorporated—Cash Capital and Surplus \$210,000. Wanted Immediately—\$50,000 County, School and Township Bonds. Correspondence solicited. JACOB SMITH, Pres't. JNO. R. MULVANE, Cash'r. B. ROBERTS, Asst' Cashier.

JOHN D. KNOX & CO., BANKERS, Topeka, Kansas. A General Banking Business Transacted, Money to loan on Real Estate, in any Amount from \$100 upwards. Land must be free and clear from all incumbrance and title perfect. Parties wanting a loan will please send for a blank form of application. We pay the highest rates for SCHOOL BONDS. Districts and Townships about to issue Bonds will save time and obtain the best rates by writing direct to us. Interest paid on Time Deposits. Real Estate Loans are completed without unnecessary delay and waiting. JOHN D. KNOX & CO., Topeka, Kansas.

NATIONAL LOAN & TRUST CO., Topeka, Kansas. Loans negotiated on improved property, County, Township and School Bonds; also County and Town Warrants bought and sold. Correspondence solicited from parties desiring to invest large or small amounts of money safely, to net 10 to 12 per cent per annum. B. HAYWOOD, President. G. F. FARMER, Vice President.

"The Best Thing in the West." Atchison, Topeka & Santa Fe Railroad LANDS, In Kansas. 3,000,000 ACRES Of the best Farming and Agricultural Lands in America, situated in and near the beautiful Cottonwood and Great Arkansas Valleys, the Garden of the West, on 11 Years' Credit, with 7 per cent. Interest, and 20 per cent. Discount for Improvements. FARE REFUNDED to purchasers of land. Circulars, with map, giving full information, sent free. Address, A. S. JOHNSON, Acting Land Commissioner, Topeka, Kansas.

Land! Land! Land! HOMES FOR THE PEOPLE. 350,000 ACRES IN Bourbon, Crawford and Cherokee Co's, KANSAS. STILL OWNED AND OFFERED FOR SALE BY THE Missouri River, Fort Scott and Gulf Railroad Company On credit, running through ten years, at seven per cent. annual interest. DISCOUNT FOR CASH IN FULL AT 20 Per cent. DATE OF PURCHASE. For further information address, John A. Clark, LAND COMMISSIONER. Fort Scott, Kan.

SEWING MACHINES, AND ATTACHMENTS. Farmers should bear in mind that every thing in the line of Sewing Machine Attachments, Needles, Oil and the different parts of Machines, are kept constantly on hand at the Singer Office in Topeka. These goods are bought direct from the different Companies and are, therefore, perfect, every part warranted. Needles 50cts. per doz. by mail. Pure Sewing Machine Oil put up in any quantity. Old Machines repaired at reasonable prices or taken in exchange for new ones. Orders by mail filled promptly the day received. The following is a list of Machines for which Needles and parts are kept constantly on hand. Singer, Howe, Domestic, Grover & Baker, Wheeler & Wilson, Florence, Wilcox & Gibbs, Weed, Wilson Shuttle, Victor, Remington, Aetna Manhattan, American, Elliptic and Hand Machines. Office 235 Kansas Avenue, Address, Singer Agency Topeka, Kansas.

Sewing Machine Needles. Per dozen by mail, 50 cents. Tuckers, Goodrich or any other, \$1.00 each. Buffers, Johnston or any other, \$1.50. For club rates, supplies or repairs, send to E. DUTTON, P. O. Box 696, Or call at 200 Kansas Avenue, Topeka, Kans.

A NEW DISCOVERY! Gold and Silver Made By this new invention. It makes happiness and good health; it saves time and labor; it is an economizer of soap, tubs, wash-boards, boilers, stove and fuel. If you want to wash with little trouble send to J. B. WOOLSEY, BLOOMFIELD, IOWA, Box 208. For Circulars and full information. \$500.00 FORFEIT IF Woolsey's Universal Washer is not the best in the market. Every one gives it the credit of being the only washer in the world that heats its own water; it is the only one that heats its own water; it is the only one that heats its own water. Terms so liberal that the high or low, rich or poor, can make money by corresponding as above. State in what paper you saw it and send immediately to J. B. WOOLSEY, Write to Bloomfield, Iowa.

AGENTS WANTED EVERY WHERE FOR OUR NEW CENTENNIAL PICTORIAL FAMILY BIBLE and Biblical Encyclopedia. The best and cheapest in the market. Nearly 2000 Pictorial Illustrations. Liberal commission allowed. For terms and circulars write immediately to the ST. LOUIS BIBLE PUBLISHING CO., 305 Locust St., ST. LOUIS, MO.

The Grand Break in Prices, Only Realized at S. BARNUM & CO.'S, 197 Kansas Avenue.

The advantage we possess in paying Cash down for every dollar's worth that enters our house, and also the fact that we employ a constant buyer in the East, who attends all the great forced sales, has enabled us to lay in a stock for the Spring and Summer season at such EXTREMELY LOW prices as has never been realized in the history of this City. Besides the following special bargains, we shall from time to time announce the arrival of any fresh lots which our buyer may forward to us. 50 dozen Ladies' Cotton Hose, three pair for 25 cents. 12 yds Extra Fine Brown Muslin at \$1.00. 61 " " one and two Button Kid Gloves, 4 1/2 cts. 14 yds Brown and Bleached Muslin, \$1.00. 61 " " Elegant Silk Ties, \$3, 40, and 50 cents. 12 yds Extra Heavy Gingham, \$1.00. 81 O Splendid Corsets, 50, 60, and 70 cts, worth double. 12 yds Good Cheviot, \$1.00. 50 doz. Extra Quality Huck Towels, 12c. worth 30 cts. 10 yds Ticking for \$1.00. 500 Ladies' Ruches New Style 5 cts. or 2 for 10 cts. 20 pieces Heaviest Ticking for feathers 90c. worth 20c. 1000 yds Embroidery, latest patterns, 5 cts. and upward. 20 pieces Jeans, 15 and 25 cts. per yd. worth double. 1000 " Lace 3 cts. per yard and upward. Best quality heavy Cottonades, 25 cts. worth 40 cts. 1000 " Victoria Lawn, Nainsook and Swiss 20 cts. 25 pieces new style Plaid Suits, 12 1/2 cts. worth 20c. 50 doz. best quality Damask Towels, 25 cts. worth 50c. 20 pieces Alpaca Poplins, Plain Colours 90c. worth 50c. 20 pieces Double Width Alpaca, 35c. worth 57 1/2 c. 20 pieces first quality Turkey Red Table Linen, 70 cts. 25 pieces Union Table Linen, 25c. worth 40c. worth \$1.10. 10 pieces Red Plaid Table Linen, 40c. worth 65c. 12 Cases or 10,000 yds Good Standard Prints, 16 yds for \$1 50 pieces Extra Good Bleached Muslin at \$1.00.

LARGE LINE OF LADIES' LINEN SUITS, SHAWLS, SILK HANDKERCHIEFS, SKIRTS, etc., etc. At 50 cents on the dollar. We desire to call especial attention to our Stock of CLOTHING for Men and Boys. We have now in Stock a splendid Working Suit as low as \$5.00 for men, and \$3.50 for boys. 200 Cassimere Coats, all wool, as low as \$3.00 to \$4.00, a job lot.

Splendid Quality Working Pants, As Low as \$1.25 to \$1.50. 60 dozen Extra Quality Suspenders, 30 cts. worth 50c. 50 dozen Cotton Hose, 12 pair for 60 cents. 10 dozen Overall, good quality, 65 cents worth 90 cts. 100 dozen Silk Bows and Ties, 25 cents, worth 50 cts.

Carpets, Oil Cloths and Mattings. We are offering special inducements in the above lines. We carry the finest stock West of St. Louis, and sell at prices that cannot be duplicated.

Hats, Caps and Straw Goods, Trunks, Valises and Bags. A great and varied stock at twenty per cent. less than can be bought elsewhere. Cloths, Cassimeres, and Jeans. The best selected stock in the city, at prices fully 25 per cent below the lowest. We quote extra heavy Jeans at 25 cts., Cassimere Tweeds at 60 cts., worth 90 cts., Cottonades 20 cts., decided bargains at 25 cts. All we ask is an examination of our stock, we guarantee satisfaction in all transactions. S. BARNUM & CO. Agents for ALL kinds of Sewing Machine Needles, Oils and Attachments.

GREAT BARGAINS IN Fine and Common Furniture. AT BARTEL BROS., 119 Kansas Avenue, Topeka, Kans., MANUFACTURERS OF AND DEALERS IN Fine and Common Furniture. We buy for cash exclusively, and first class goods only. Use well seasoned lumber, employ skilled workmen and sell at GRANGE PRICES. Don't forget the place, first door South of Court House, sign of the Mammoth Rocking Chair. Orders by mail from a distance will receive prompt attention.

FARMERS, TRY OUR NEW CORN DUMP. Shellabarger, Griswold & Co., PROPRIETORS OF SHAWNEE MILLS, TOPEKA, KANSAS. Manufacturers of the BEST QUALITIES OF Family Flour, MEAL, And MILL FEED. Cash Paid for Wheat, Corn, Rye, &c.

E. E. EWING, 227 Kansas Avenue, Topeka, Kan. Every variety of choice and fancy goods have been added to our large stock of Standard Groceries. And we now offer our customers the finest assortment of Groceries to be found in the city. Molasses, Syrups, Honey, Sugars, Coffees, Teas. BEST M. SYRUP, BEST WHITE ROSE SYRUP, BEST N. O. MOLASSES Mocha and O. G. Java Coffees; Green Tea, Japan Tea, English Breakfast Tea, all selected with care from the best houses, and warranted genuine. CANNED GOODS, GREEN AND DRIED FRUITS, SALTED MEATS, AND FISH, EDAM-CHEESE, PINE APPLE CHEESE, ELGIN CHEESE. FLOUR and MEAL. At the head of the list of Flour in Kansas stands our CRYSTAL! Oat-Meal, Prepared Wheat, Breakfast Grits. CHINA and GLASSWARE. We have fitted up the second story of our store as a CHINA and GLASS HALL, and furnished it with a large stock, selected with special reference to the wants of this city and country. Our stock comprises a full line of White Granite Best, White Granite Victoria, English C. Ware, Glass, Yellow and Rockingham Ware. We also keep a large stock of STONE, CROCKERY, WOOD and Willow Ware, etc. HIGHEST PRICE PAID FOR COUNTRY PRODUCE. Our business is conducted on a cash basis, the only system by which a low range of prices can be maintained. We sell the best and Warrant our Goods. Call and examine our stock.

