Vol. XIV. No. 18.

INSECT-EATING BIRDS. A PRIZE ESSAY BY FRANK H. PALMER. (CONCLUDED.)



Ptarmigans.

Pitarmigans.

How To PROTECT BIRDS.

Of the measures for the protection of birds, perhaps the most important is the bird-law of Massachusetts, (Acts of 1870, Chap. 304.) which punishes by fine whoever takes or kills, sells, buys, or has in his possession, the birds named below.

Woodcock are protected between the let



Bobolink. Dolichronya orystorus.

setts. We believe it is still a common practice with many boys to make collections of birds' eggs, and to take not one egg only, but the whole nest, eggs and all, and shoot the parent birds, too, if possible. It is difficult to say how such things may best be prevaned; but much goed would be done, we are confident, if the selectmen would take the trouble to hunt up and punish a few cases which should serve as an example to others. Parents and teachers also may do much by way of precept and example, and right-minded boys may do their part by influencing their companions to abandon so cruel a practice.

BIRD-HOUSE. Bobolink. Dolichronya oryzivorus.

Next to the law, the most important measure for the protection of birds is the putting up of accommodations for them, and thus inducing them to settle on our estates. There is no reason why every one who has a half-acre of land should not have two or three pairs of birds nesting thereon. Parkans many do not compound that is the most invested to our three pairs of birds neeting thereon. Perhaps many do not have two or three pairs of birds neeting thereon. Perhaps many do not have two or three pairs of birds neeting thereon. Perhaps many do not have two or three pairs of birds neeting thereon. Perhaps many do not have two or three pairs of birds neeting thereon. Perhaps many do not the part of many seallows, which any good our apple trees lost their foliage any knowledge. Truly, the solid facts of science, are stranger than the creations of fancy.

Meadowlark. Stunedia magna.

Meadowlark stunedia magna.

Meadow

length and nailed on. Such a bird-house costs little or nothing save the time required to make it; and this slight expense will be amply repaid by the satisfaction of doing a good deed.

In this slight expense will be amply repaid by the satisfaction of doing a good deed.

In this slight expense will be amply repaid by the satisfaction of doing a good deed.

In this slight expense will be amply repaid by the satisfaction of doing a good dozen rods of land make a bird-house of some limit and thus help restricted by the satisfaction of doing a good land make a bird-house of some limit and thus help restricted by the satisfaction of doing a good land make a bird-house of some limit and thus help restricted by the satisfaction of doing a good land make a bird-house of some limit and thus help restricted by the satisfaction of doing a good land make a bird-house of some limit and thus help restricted by the satisfaction of doing a good land make a bird-house of some land make a bird

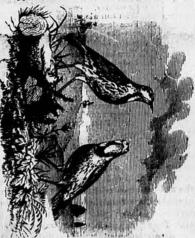




House-wren. T. adon.

ing them together into a bed of down for the protection of their early-laid eggs; to watch their love-making, and all their gentle, affected that the secret was in his possession. to shout 15 miles distant their love-making, and all their gentle, affectionate ways towards each other; their jealousy of intruders, and their solicitous care of
their eggs during the period of incubation;
their final joy when the young break the
shells, and are born to the light; and their
untiring devotion in obtaining choice bits of
insect food for the nourishment of their offspring. Truly here is beauty at our dooryard, and poetry has taken up her abode in
our apple tree.

de that the secret was in his possession, to
prove the truth of his statement he drank of
the drank of
the magic compound, and died. He had disthe had disthe cost of one was considerably more than
the other, and took nearly one-third more time
to build it. Yet from the size and constructo build it. Yet from the size



kind, and thus help restore the proper propor-there are many simple contrivances which tions of the feathered and insect races?

THE RELATION OF PLANT AND ANIMAL LIFE TO THE EARTH AND ATMOSPHERE.

BY NELSON CHURCH.

NUMBER II. There are many living witnesses who were taught by the old school-masters, that the simple elements of matter were earth, air, fire and water, although that old theory had long before been exploded for the benefit of the scientists. The common people were not allowed then, as now, by the light of science, to behold the invisible. An element is a substance that has never been decomposed. To illustrate. A molicule of water contains an atom of oxygen, and an atom of hydrogen

search to the search of the se Enough to furnish gas for Philadelphia Ex- ground by plowing deeper, thus guarding of New York, are suffering with the rest of 1 800 recurring centennials.

Plant life obtains oxygen chiefly in its combination with hydrogen, which in water.

Hydrogen was known though not by its for the labor they perform. present name—to Paracelsus a distinguished alchemist who lived in the sixteenth century. last fall, which is worthy of notice. Two Nebraska alone. His death was remarkable. Having sought farmers built, each, a stone house, two stories many years for the Elixir of life, hoping to high, with a basement cellar. The materials emperance reform.

less gas. It is the lightest of known substan- lars every week in favor of the heavy team. ces being 11,000 times lighter than water. It is combustible. Combining with the oxygen

of the air it evolves the most intense heat. The sold product of the combustions of when Timothy was intended. hydrogen is water. Thus we have a brief Herdsgrass is called Red top in Pennsylvanand in the process of uniting capable of pro- Timothy in Kansas.

the same. Thus water, so necessary to plant most rest on the ground, are not a pleasing and animal life, is produced. Kansas soil is sight to the eye and although the body of the rich in all the elements necessary for success- tree may be protected from sun-scald, yet it is ful agriculture, when accompanied with suf- much more difficult to destroy insects, to gathficient moisture. Our great want, is water, er the fruit, and to cultivate the ground, But the annual rainfall on our prairies is which is strongly recommended by orchardists. gradually increasing in volumn, and as the Circulation of the air is certainly necessary to buffalo grass disappears, and the soil is culti- mature the fruit and give it color. vated, and groves of timber are planted, the Low headed orchards have fewer advocates water sent down from Heaven is made more than they had several years since; the tendenavailable in supporting plant life. Instead of cy will be to return to low heads, since so finding its way as quickly as formerly to the many of the high heads have been injured water-courses, the loosened soil drinks it in, within the last year by sun scald. and that which escapes the thirsty rootlets of Let us guard against these extremes. There the plant, slowly settles into the ground, mak- is a happy medium on this question, as there ing better wells, more running streams, and is on many other questions which concern us. sometimes bursting forth in bubbling springs. But thousands of farmers located on the creeks other hand adopt the low heads, we shall in

against drouth and an equal quantity of surof the light team, but we keep work horses ax is leveling its treasures in enormons quan-

As a question of economy, we saw a case

the majesty of your strength, and strike the ference in the outlay. One farmer owned a the United States, would require on an averblasting, withering curse of the whisky traffic heavy span of horses, the other, those of a age, 184,600,000 ties alone, besides fencing and from the pathway of your boys and girls? medium size. In hauling stone, lumber, sand a renewal of ties every seven years. The rail-Pardon this digression in the interest of the and other materials, the heavy team hauled in Hydrogen is a tasteless, odorless, and color- to haul; hence, there was a saving of six dol-

TIMOTHY AND HERDSGRASS.
There has been several amusing mistakes in Kansas, by using the name of Herdsgrass,

description of these two important elements. is, and in some portions of Ohio, and likely in One, the supporter of combustion, the other, other sections of country; but a New Yorker, who intend to set out evergreen trees this intensely combustible, yes, uniting to form a or one from the New England States, calls the spring, and some of them may have had litcompound that is the most inveterate foe of fire, grass Herdsgrass, that is generally known as the experience in regard to selecting and plant.

If we head our trees 7 or 8 feet, or on the

the pineries. In the extensive forests of face ground. The cost of food may be in favor Michigan, Wisconsin and Minnesota, the busy tities. Some 50,000 acres of Wisconsin timber are cut annually, to supply Kansas and

> On the Pacific coast, a broad expanse of forest yet remains; however these are also lessening from the demands of mining districts.

The settlers of the plains seeing the necessity, are reproducing young forests to supply ways of Kansas and Nebraska would require four days, what it took the light team six days 1.760.400 ties. And it is known that these ties are made from small trees, that furnish from two to three pieces; thus striking at the very source of our timber supply. C. S. JOHNSON.

SELECTING EVERGREEN TREES.

There are, doubtless, numbers of our readers ing them. The suggestions contained in the

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grown specimen of our common white pine or Weymouth pine. One of the chief obstacles to its general introduction seems to be its na-tivity. If it were brought from a distance and sold at a high price, this much neglected white pine would be more generally sought after. Then there is the common hemlock,

after. Then there is the common neuros.

(Abies Canadensis), than which few evergreens are more beautiful.

The pine and hemlock, unless small and hemlock impatient of removal; but thrifty, are rather impatient of removal; but it is worth while to take special pains to se-cure so fine a tree. The Austrian, Scotch and Cembrain pines make noble trees. At any time and especially in late planting the great est care should be taken to prevent the roots of evergreens from dying, they should be kept well covered from the moment they are out of the ground till they are replant—

where it is practicable the holes should be prepared beforehand, adding fine and rich soil where the land is poor. It is always better to wait for a cloudy day upon which to take up the trees from the nursery. Large stones laid over the roots are better than stakes. Besides holding the tree in place, stones laid around holding the tree in place, stones laid around them will act as mulch to prevent the soil from drying out. But it will be better to spread a small quantity of old hay, straw or coarse manure about trees, just transplanted, before the stones are put in place. It, is always safer, when purchasing ever-

green trees of any sort at nurseries, to selec small and thrifty ones, and especially such as have a mat of roots. When the roots of a pine tree are regular stubs, more like the prongs of a person's tooth than the fibrous roots of a tree, it will be difficult to make the trees live more than a year or two. But if they have a mat of fine roots, and if they are planted in a deep, rich and mellow bed, the roots will take a vital hold on the soil at once, and the trees in the same than the soil at once, and the trees in the same the trees in the same than the soil at once, and the trees in the same than the soil at once, and the trees in the same that the same than the same than the same trees that the same trees in the same tre and the trees will grow luxuriantly.

#### BORROWING FARM TOOLS.

There are many cases in which it is pleasant to be accomodating and lend farm tools, and equally justifiable and honorable to borrow them. As a general thing, however, every farmer ought to own and have every tool needed to do the work on the farm; that is, all the usual tools required in ordinary farming, and every fair and judicious farmer will have such and take care of them, too—keeping them in proper place and condition, so that they will always be handy and ready for use when wanted—readily found, in proper place, without loss of time in hunting them up. To such a farmer, it is justly vexatious and annoying to find that his tools are away, among his neighbors, he knows not where, just when he most wants them, having been obligingly lent to a neighbor, at a time when not needed by himself, under the promise that they would surely be returned very soon; but the promise was neglected, with no regard, apparently, very often, for honor in promise, or the wants and convenience of the owners. In such cases, it would almost seem that a

man is not entitled to the ordinary privileges of a neighbor to be accommodated with the loan of needed tools. Where people are prompt and conscientious to return borrowed tools there is a leave to the state of th ools, there is a pleasure in accommodating them with the loan of tools.

But when they recklessly borrow and heed-lessly keep them so long that the owner and his ismily almost forget where they are, it really becomes a criminal act.

There are some tools of a character that one farmer scarcely ever needs—perhaps hardly once a year—that another has need of often, so as to make it pay to buy and own them; in such instances, a farmer is justified in borrow ing, but he should be scrupulously careful to return them at once, and not subject the owners to the trouble and loss of running over the neighborhood to find them.—Maryland Farm-

#### CASTOR BEANS.

Among the farm products assuming prominence in the West is the castor bean. It has been discovered that the grasshoppers and chinch bugs will not touch the plants (the bugs, in this case, have the sympathy of all boys,) and within the last two years the in-crease in the crop has been 200 per cent. This has cut off importation of the beans, and an unimportant farm product becomes an impor-tant and, under favorable circumstances, a pro-

Within the past few years we have personally urged the consideration of this product on farmers who receive all statements with an never was and never could be of any value on the farm. But if they sell for \$1 per bushel and an acre produces a goodly number, and if the demand for them continues why not ex-periment in this direction? We are not among those who favor headlong experiments but favor a course in which the farmer makes is business one of greater possibilities without much risk.

Any good corn land will produce the castor beans and a half bushel will plant eight acres. The hills should be 4 or five feet apart, four or five seeds in a hill. If the cut-worms do not do the work feet. for you, thin to one or two stalks in a hill. The yield is about twenty bushels to the scre.

#### ASPARAGUS.

The most profitable vegetable that is raised in this country is asparagus. Once planted, it is good for a generation if properly cared for. It comes in early in the spring, and there is no danger of over production. Asparagus is a maritime plant, it is a rank feeder and the most stimulating manures produce the quick-est and strongest growth. In preparing for the market, the sprouts should be cut just at the surface of the earth, before the heads burst, and if grown in abundance of manure, will average ten inches long. These should be tied in bunches of a pound each, with some coarse material, so as not to cut the stalks. The bunching is usually best and most quickly done by the use of four light stakes, three ches from a "bunting" board, against which the heads are placed as the stalks are laid bethe heads are placed as the stakes are laid petween the stakes. Between the stakes two strings should be placed before the asparagus is placed between the uprights. These should be tied tightly after several tightenings, the bottoms cut off evenly and the bunch remov ed. Never have asparagus for any length of time in any other than an upright position, as the heads will bend upward, and give the bunch a distorted appearance. Do not let them get dry, nor on the other hand, keep them in water. For shipping, pack in well ventilated boxes, in an upright position. Un-til the last few years, there was but one varie-ty, but now Conover's Colessal has been in-troduced and seems to maintain its claims as

Written expressly for the Kansas Farmer. SCAB ON SHEEP

I have somewhere written that the scab "is not mean by this that it is a matter of little consequence, and requiring but little attention, and that from it, but little loss is incurred; for on the contrary, great losses result from the prevalence of this disease, but if fully understood and intelligently treated, it is not disastrous, and the wool-grower who wishes to sell out and quit the business, merely because his sheep have got the scab, betrays a want of that courage and resolution which is necessary to success in any legitimate business. A great deal can be written about the nature of this disease and the habit of the insect, but here I only intend to treat the subject in a practical way designed to be useful to persons whose sheep "have the scab," and are anxious to know how they can, with economy, effect s permanent cure. In the FARMER of April 12, is a description of an extensive preparation for large flocks, which is not necessary for those having small ones, or whose sheep have accidentally become infected, and who do not expect a recurrence.

If the disease is manifested in the fall. I would say dip, in order to preserve the fleece until shearing; but a permanent cure is most easily and certainly effected soon after shearuid from reaching every diseased spot, or to be laid to this fact, to wit, that every diseased speck infected with this scab; insect (Accari) must come in contact with the medicine. If only one little spot escapes on one sheep in a flock of a thousand, it is almost certain to propagate and in less than six months, spread the disease throughout the whole flock. Another ready means of reinfection is from the little tufts of wool dropped by the diseased sheep in the sheep folds, or hous es, or in the pastures. I believe the best authority asserts that the insect will die within thirty days after being removed from nour ishment on the body of the sheep. It would be well to prevent dipped sheep from returning to the same grounds, and especially sheds, for at least that length of time.

In our region of country, where tobacco is so abundant, I certainly would recommend it. Tobacco scraps can be had from wholesale man. ufactories at from three to five censt per 1b., while the lugs-tobacco in leaf on the stemcan be had at eight to twelve cents. Where it must be freighted far, and considering the relative strength of the two, I would prefer the lugs at 10 cts. to the scraps at 5 cts.

Preparations for dipping 100 to 500 head, or even 1000, may be arranged cheaply as follows: The tobacco may be steeped or boiled in ordinary kettles or boilers. To construct a cheap pan, take, say six feet of sheet iron, nail it onto a frame made of inch or inch and a half plank, in length and width just sufficient to allow the ends and sides of the sheet iron to bend up, say an inch on the end sides of the frame, drive a row of large tacks, or very small nails along the edge of the sheet iron, and a row of six pennies from bottom into the edge of the plank. Strips of muslin dipped in tar or pitch should be put in the joints of the frame, and along the edge of the frame before the bottom is nailed on, which will aid in making it water tight.

that the bottom must be supported by, say. longer than the clavate antennæ. They are four iron bars, 1/2 inch by 1 inch, and long enough to cross the bottom and lap up on the outside.

These iron supports are essential, as with out them, the weight of water inside will most surely spring the bottom and put out the fire, the dipping is in full blast. Dig a trench about 18 inches deep, wall up with stone so that the edges of the pan will rest on each side, and build one end up so as to form a chimney. This is the furnace, and be careful to expose as much as possible, of the bottom to the heat Inch plank will make a dipping box 4 feet long, 3 feet deep and 18 inches wide, placing tarred strips in the joints as it is put together. For convenience, set this box in the ground one or two feet. At one end of this place a dripping board, 2x3 feet, with the end resting on the box, and inclined so that the liquid on it will flow back in the box. At the other end the catching pen should come up within two feet of the box, so that a plank as wide as the box and two feet long, with one end on the box, while the other will reach out on a level into the opening, or narrow door of the catching pen, forming a little platform on which the catcher should set each sheep up on its rump, feet from him, toward the box. It is then in convenient position for the dippers. one standing at each side of the box to take hold of the sheep, each man taking one fore and hind leg, and letting it back downward, clear under the liquid in the box, then lift out and hold it on the dripping board for a minute, when it may be let go, if a shorn sheep. If not shorn, a little dripping floor about six by eight feet, arranged so that the drippings will flow back into the box. They should stand a few minutes on this floor before being let out, for no other purpose than to save the liquid. Fifteen to twenty lbs. of good scraps or lugs tobacco well steeped and boiled out to to the hundred gallons of water will make the liquid strong enough. If the tobacco is put to soak a day or two it will be much easier to

boil all the strength out. A day or two before used, the tobacco may be boiled out and kept in barrels ready for heating. In this way, a less steeping kettle or pan (as described above), will furnish heat-

ed liquor for more sheep and speedy work. The liquor in the heating vat should never fall to 100 degrees, and better 110 degrees, and a binderance, but is easily overcome." I do rising even to 120 degrees. When the wood is previously prepared, it is all one man can do to attend the fire and keep the liquid in the dipping box at proper temperature. Two men to dip, and two to catch the sheep, making five in all, with these convenient arrangements, and who understand their work properly, can dip 1000 head in a day. It should be men; boys, no matter how willing, are seldom able to catch and handle the sheep carefully and with firmness. Mr. Gudgell, Cashier of D. O. Swart & Co's. Bank, here, superintended the dipping of 2000 head this spring. His arrangements were scarcely so complete as above described; he had a sheet iron bottom in dipping box, and kept a little fire under it, but thinks that not necessary. He states that with eight men and his arrangements, 1000 to 1500 can be dipped in a day. His dipping costs between four and five cents per head. The scab needs prompt attention, and thorough work, then it is only a small disparagement in the wool growing business; but if improperly treated, it is a great detriment, and if let run on, it will work disaster, and eventually ruin the infected flock.

> SAMUEL ARCHER. Kansas City Mo.

LESSONS FOR THE PEOPLE IN ENTOMO LOGY.

BY E. A. POPENOE.

No. 3.

COLEOPTERA CONTINUED. The number of tarsal joints furnish es a convenient basis for the division of the sub-order Coleoptera into four sections. These may be defined as follows:

1st Section. - Pentamera (pente five and meron, part),. Five joints in all tarsi.

2d Section .- Heteromera (eteros, different) Five joints in the anterior and middle tarsi and four in the posterior.

3d Section .- Tetramera, (tetra, four). Fou joints in all the tarsi. 4th Section .- Trimera, (tria, three). Three

joints in all the tarsi. The Pentamerous section comprises six sub sections distinguished chiefly by the form of

the antennæ. Thus we have the-Filicornes, having the antenne filiform: Clavicornes, with clavate antennæ :

Monilicornes, in which the antennæ are usu

ally moniliform : Pectinicornes, with the antennæ pectinate: Lamellicornes, with the antennæ lamellate,

Serricornes, with more or less serrate anten-

The filicorn subsection includes the two families of Cicindelida or Tiger Beetles and Carablida or Ground Beetles. These insects are eminently predaceous and consequently beneficial. Another family of importance in this subsection is the Dytiscide or Predaceous Water beetles. These are oval in form, and have the hinder two pairs of legs flattened, and supplied with a closely set fringe of bristles, thus adapting them for swimming.

The Clavicornes, or 2d subsection comprise eighteen families, mostly living in decaying animal or vegetable matter. Of these it will be sufficient to notice the most important. The Hydrophilida comprises beetles which The pan or boiler is now complete, except have the maxillary palpi lengthened, usually as the family name signifies, "lovers of water," and are aquatic in habits, though less than the Dytiscide. The Silphide, or sexton beetles derive their popular name from the habit of some species of burying the bodies of small dead animals, upon which their eggs are waste the liquid and stop business just when laid, and their young or larva subsist. The family of Nitidulida comprises numerous small flattened insects, among them some injurious species, of which the two spotted Nitidula injures smoked meats. The Dermestida or skin beetles feed in both larval and perfect stages upon dried animal substances and some species are very injurious to furs or collections in natural history. These are oblong, oval, convex insects, dark brown and mottled with gray above.

The Monilicornes, or 3d subsection comprise two families of scavenger-beetles, in which the elytra are very short. In the most im portant family. Staphylinid a. they leave ex posed the terminal seven or eight segments or joints of the abdomen. The insects of these two families live chiefly in decomposing vegetable substances.

The 4th subsection or Pectinicornes com prises the single family, Luca nide or stagbeetles. The males of some species are remarkable for the enormous development of their mandibles, which are long and branching like the antlers of a deer. They live in the larval state in rotton wood, and consequently are innoxious.

The 5th subsection or Lamellicornes likewise includes but a single family, the Scarabaida The beetles of this family have, without exception, lamellate antennæ.

The sub-family, Melolonthide, includes the very injurious Leaf chafers : among others the Pleurostict Scarabaida, includes some injurous species, but none so decidely as the Melolonthide. With these exceptions the family is harmless.

The 6th subsection or Serricornes comprises the three tribes, saw horned Wood beetles, Aberrant or exceptional beetles, and soft winged Predaceous beetles. The first tribe or saw

dens, by cutting off the young growing plants.

colored, oval flattened insects, and the parents of all the so called "flat headed borers."

The Aberrant wood beetles are almost all very small, and with few exeptions are scarcely known to the common observer. The apple twig borer is a member of the family, Ptinida of this tribe.

eetles and fireflies.

The Heteromerous section includes some all the blister-beetles, some of which are very The old-fashioned potato beetles, the long black beetles and the gray beetles, found on the Irish potato are members of this family.

The family Tenebrionida, or darkling beetles live under bark or in similar situations, and some are fungus-eaters.

The Tetramerous section includes, among others, the family of Snout-beetles or Curcul ionide, the larvae of which are almost exclusively vegetable feeders, and consequently injurious. To this family belong the injurious weevils, or curculios, and also the pea and bean weevils.

The family Cerambycidæ is very extensive and includes the beetles known as long horns. The very injurious round headed apple tree borer is the larva of a member of this family, and the species throughout have similar habplants.

The family Chrysomelida includes the as larvae.

The section Trimera includes the lady-bird family, all oval, convex insects, usually spotted, and without exception, beneficial. The

#### ORTHOPTERA.

as a covering for the lower, broad net-veined places frequented by the insects. pair, which are folded in longitudinal plaits when the insect is at rest. The metamorpho. sis is incomplete, and consequently larva and distinguished by the abdominal forceps and pupa are both active and six-legged, resembthe absence of perfect wings.

The antennæ are as a rule filiform in shape but they vary much in length in different families, In some they are longer than the body, while in others they are scarcely longer than the head and prothorax. The ocelli are often wanting; but two, or three are some times present. The mandibles are very complete, presenting both cutting and grinding surfaces. The prothorax is developed above the other segments, as it is in the Coleopters, and forms the second principal section of the body. The remaining thoracic segments are concealed above by the bases of the elytra, as the thickened fore-wings are here called

The elytra are generally narrow, propor tionally, and long; the under wings being wider, more membraneous and folded many times, lengthwise.

In certain of the perfect insects, wings are entirely wanting, and in others are only present in a very rudimentary state.

Hind femora thickened and fitted for leaping; herbivorous, Elytra horizontal when at rest, with a narrow, deflexed outer border; abdomen tipped with a pair of bristle-like dages; females with a conspicu-

GRYLLIDÆ, (Crickets.) Elytra roof-shaped, or sloping down-ward and outward, not bordered; ab-

C.C. Antennæ shorter, and usually not tapering; tarsi three-jointed; females not furnished with an ovipositor.

ACRIDIDÆ. (Grasshoppers.)

For walking.
With four wings.
Fore legs thickened and beset with spinelike teeth, for seizing their prey.
MANTIDÆ. (Rear Horses.)

C.C. Fore legs ordinary.
D. Body broad, oval; head usually shielded above by the anterior margin of the prothorax. BLATTIDÆ. (Cockroaches.)

D.D. Body narrow; elytra very short; ab-domen terminated in a pair of forceps like appendages,
FORFICULIDÆ. (Earwigs.)

B.B. Wingless insects. Long, slender cylindrical species, of slow motion.
PHASMIDÆ. (Walking sticks.)

The family of Gryllida comprises the com mon black field and house crickets and also dreaded "rose bug." Another sub-family, the the mole and tree crickets. The males alone of crickets, are furnished with the apparatus part of the wing is transparent and elastic. with numerous fine teeth, and when the elytra are rubbed together a rasping sound is prohorned wood beetles, includes the two consided duced by the passage of these teeth over the he has placed his savings is ruined by the erable families, Elateride and Buprestide. The veins in the other wing, which is intensified collapses and tumbles. larvæ of some species of the Elaterida, or by the drum-like membrane. The mole cricket

spring beetles, are called wire worms, and are is at once recognized by the peculiar appearfrequently the cause of great damage in gar. ance of the fore tibiæ which are flattened and widened and provided on the anterior with The Buprestide are generally very richly several coarse teeth. This makes the leg a very effective burrowing tool, and the resemblance of the head and legs to those of a mole is striking, and at once suggests the name "mole-cricket."

The family Locustide comprises the green grasshoppers or katydids with very long antennæ. These have stridulating organs in The soft winged Predaceous beetles are the basal portion of the elytra similar to those represented by the various kinds of lightning of crickets. Some genera in this family are entirely wingless in the imago. The eggs of some of the species are laid in the pith of important families, of which we may first plant stems through slits in the stem, made notice the Meloido. This family comprises by the sword-like ovipositor of the female, while the eggs of others are deposited in destructive to cultivated plants and vegetables. double rows on the outside of the stem or upon other objects.

The Acridida are the terrestrial grasshoppers and are sufficiently distinguished by the characters given in the table above. The striduhas a few injurious species, of which the meal lation of these insects is produced by the rubworm is the most common, but the majority bing of the thighs upon the edges of the elytra, which are long and narrow, hiding the broad triangular lower wings, when at rest. The eggs are laid in the ground in oblong masses covered with a glutinous secretion which becomes tougher when dry.

The family Phasmids is represented in our state by the single species of walking sticks, which is a long-bodied, cylindrical, wingless insect of slow movements, varying from green to brown but usually of the former color.

The family Mantide has also but a single epresentative with us, this is the rear-horse or devil's horse as it is sometimes called. The prothoracic segment is very long and narrowits in the larval state, living in the stems of ly cylindrical, and the wings of the males are ample and useful in flight while in the other sex they are shortened and useless. The fe-Colorado potato beetle, the striped cucumber males are either brown or green, while the beetle and a host of other injurious species, all males are uniformly brown. This insect is leaf eaters in in the perfect state and usually eminently predaceous and consequently beneficial.

The Blattide or cockroaches are ovate, flattened, brown insects, nocturnal in habit. A few species are entirely wingless in all stages, remaining two families of this section live in and upon fungi, and are consequently harmcolor somewhat resembling a honey locust bean. This capsule is divided into two sepa-The insects of this sub-order are mandibu. rate apartments, each containing about thirty late, and the upper pair of wings is soreewhat smaller chambers, which each contain a single thickened or coriaceous in texture and serve egg. These capsules may often be found in

The family Forficulide or earwigs is not represented here, so far as known. They are also by the short elytra which conceal the ling the perfect insect, and distinguished by ample folded lower pair when not in use Earwigs are numerous in some parts of Europe and are considered injurious.

#### WEEDS, WORMS AND BUGS ON OUR NATIONAL FARM.

Where Did They Come From and How Shall We Get Rid of Them?

### AN INQUIRY.

BY JOHN G. DEW, Author of "Our Currency as it Is and as it Should be;" "Our Money Muss;" "A Financial Catechism;" Repudiate the Repudiators;" "Exhaustive Power of Usury," Etc.

#### CHAPTER XVII.

CASH CURRENCY AND CREDIT CURRENCY CONTRASTED.

I suggest: That Congress assume, at once the inherent, sovereign prerogative of a Government "of the people, by the people, and for the people," and exercise it, by furnishing all the inhabitants of the United States with a profession. The sub-order Orthoptera is divided into uniform National currency! Surely the peoseven families which may be separated by the ple, and the people only, have a natural right to all the advantages, employment or income.

sple, and the people only, have a natural right to all the advantages, emolument or income, that may inure from the issue of either one thousand dollar bonds, with interest, or ten dollar notes without, based on the faith and credit of the Nation!

This principle, simple, clear and undeniable ought to be recognized as fundamental, and the only safe and proper basis, on which may securely rest all the circulating medium of the country; for the sole benefit of all the people, and not, as now, for the profit of a class of stockholders, however deserving they may be, in all other respects.

Elytra root-shale..., ward and outward, not bordered; abdomen not tipped with bristles.
Antennæ tapering, longer than the body; trasi four-jointed; females with a sword-shaped ovipositor.

LOCUSTIDÆ, (Katydids.)

LOCUSTIDÆ, and usually not circulation from Banks.—John Earl Will-yams. President Metropolitan Bank, New The figure of loans and discounts of the

Hind femora not thickened; legs fitted National banks, October 2, 1874, quoted in our last chapter was \$954.894.791.59. Part of the constructive deposits resultant

from the same had been withdrawn, so that the deposits only stood at \$669,068,995.88 Add bank notes outstanding 833,225,298 00

Immediate liabilities \$1,002,294,293.88 For immeliate redemption the 2,004 banks shows as available :

Cash Items (?) 12,296,416 77 National Bank Notes 18,450,013 00 2,324,948 12 Fractional Currency Specie 21,240,945 28 Greenbacks
U. S. Certificate of Deposit 80.021 946 00 42,825,000 00 20,349,950 15 Deposit with U. S. Treasury

Loans immediately available \$197,409,214 17 This is less than twenty cents on a dollar, for making the chirping noise so familiar to and it is entirely evident, that upon any conall. The elytra in this sex are traversed by a siderable amount, redemption is required in few strong intersecting veins and the middle the future as in the past, as the basis is so small, the whole thing collapses—a panic sets One of the intersecting veinlets is furnished in, and the innocent producer has to stop work and perhaps loses the wages he has already earned, and perhaps the savings bank where

Please to remember, that all that part of the

deposit figures above, or elsewhere noted as based on discounts is exactly as if you and your next door neighbor swap notes for \$1,000 each, and each go to have the neighbor's note he holds discounted, netting say \$975.

The instant the bank discounts them, each is credited \$975, making an increase of its deposit figure of \$1.050, and not a dollar has changed hands.

This is constantly done every-where in banking, and where it is the exception and not the general rule is not objectionable.

But it is most exasperating to see our city papers, week in and week out, declare that the banks are bursting with capital seeking investment, while, as exemplified above, an amount vastly exceeding their nominal deposits has been created by

KITE FLYING.

I hope that I have given the reader of ordinary intelligence sufficient data to study on, so that he can intelligently analyze any bank report, and demonstrate to the satisfaction of himself and friends, the fallacies, not to say untruthfulness of such statements.

It was the publications of such delusions as the Bullion papers that stirred Horace Greeley to roar through the columns of the Tribune to the gay deceivers, "YOU LIE YOU VILLAINS AND YOU KNOW YOU LIE."

Such is the systematic inflation of the superstructure of our National banking system and constructive money and deposits.

It would be somewhat consolatory to know that this gaseous exhalation—this most fragile of card-houses—this most inflated of all inflation, was relieved from entire, utter and unexceptional worthlessness by a solid foundation, that something tangible might be left when the coming breeze should blow away the foggy structure.

But investigation shows that the same system of infinitessmal dilution of values prevails.

Until a few months since, ambitious or avaricious bondholders on deposit of their bonds as security for their circulation, could borrow free of interest 90 per cent, of the face amount of the same, so that it was possible to start and run a National bank of \$100,000 nominal capital or \$10,000 paid in.

An approximate condition of things was demonstrated in England when Sir John Lubback, analyzed nearly \$100,000,000 of the receipts of his banking house (Robarts & Co.) and found in each \$100:

Specie
Bank Bills
Other things resultant from Credit or 97.00

Total It was this that compelled Walter Bayeot, (editor of the London economist) to say that when he considered the minuteness of the base of English banking and compared the same with the immensity of the superstructure, he, trembled. Knowing this caused Bonamy Price, Professor of practical economy in Oxford University, England, in his public

a bank and what does a bank deal in ?" As no one present was able or willing to respond, the Professor continued. Now, will any gentleman in this room favor me with a reply? [A pause.] Can't anybody tell me? Some of you are probably bankers. Do you think me a very troublesome fellow to ask you such questions? [Laughter.] You draw checks and you pay them, and that is enough for you. But it is essential, in order to understand crisis, to understand what banks are, as

addresses in New York, to ask. "What is

for you. But it is essential, in order to understand crisis, to understand what banks are, as they are phenomena of banking. They are the Chinese sea of banking.

Now, the gentlemen will probably say that a banker deals in money. I say, No, I deny that flat. A banker is not a dealer in money. It is not an affair of money.

He then alluded to the analysis of Sir John Lubback, already quoted by us, and quoting the other things beside money which formed 97 per cent. of the circulation, continued: If that is not their business, what are these nine-ty-seven things which are their staple? What is a bank? The answer will depend upon these ninety-seven things. They are, one and all, debts to collect; pleces of paper pushed in upon the counter, all implying that John and William, and Dick and Harry owe me a lot of things. You go and collect these debts for me. That is a banker's business; to collect pleces of paper embodying debts, and to collect them. The next thing is, what does a banker do? Does he go and get the money which he has a right to on all these pieces of paper? Not a bit. He is not going to be put to that botheration. What he does is this: A cotton man has just thrown down £5,000 worth of bills upon the counter of the bank. A man who is a dealer in stilk turns up five minutes efter and says this: "I want to buy silk, but I have not the 'withdrawal.' I will hold you harmless, I have got security, but security not available to dav." What does the banker do? He says: "Give me these securities; you don't want to sell them; a cotton man has just given me £5,000 worth of cotton bills; I know he will not draw any checks upon these for at least a month. Go and buy silk for a month, and I well meet 97 per cent, of the circulation, continued: If checks upon these for at least a month. Go and buy silk for a month, and I well meet your checks." The banker has debts to collect; and how does he collect them? By creating fresh debts, in which he is the lender. That is banking.

And will the reader please remember that the above utterances were not those of an exasperated granger on the remote prairies of Kansas, or of a Western stump speaker, trying to catch votes for his party, but the deliberate teachings of a most distinguished British Professor of political economy, delivered by request before the

CHAMBER OF COMMERCE OF NEW YORK CITY

OCT 1, 1874.

The directness and truthfulness of the arraignment forciby reminds us of that startling

one of your pretty stores and orders a beautiful hat and a pretty coat, and knows perfectly well that he has not the means of paying for them. That is a dealer in credit. I don't

them. That is a dealer in credit. I don't know the meaning of the word credit. It is unintelligible to me. It only means that a man has taken goods and has not paid for them. That is the only meaning.

Bankers may deal in debts—that is all. They make fresh debts in lending what they receive. But you will allow me, I hope, to say what I said to the Chamber of Commerce: The banker is a broker standing between two prinbanker is a broker standing between two prin-

ciples.

Now, you will see how that bankers do not have capital. I am ashamed to say that English bankers, and that those in London especially, say they have got capital. Where is their capital? They have got ink-stands, they have got pens, they have got buildings and some furniture. But where is the capital? I don't see it.

They have got no capital. What they have got is to find a buger for the man who sold wheat, and that is all.

And if this is true in sound specie paying England to which our conservative (?!) bullion friends, point us as the great exemplar of attained perfection, what must be our condition, when those same eulogists pronounce us in-

### Batrons of Husbandru.

The Patrons' Hand Book, which is mailed to any post office in the United States and Canada for 26 cts., is acknowledged to contain more practical grange information than any book yet published. Examine the testimony of the officers of State Granges all over the United States.

United States.

The use in subordinate granges of the sett of receipt and order books issued at this office will prevent confusion and mixing of accounts; they are invaluable in keeping the money matters of a grange straight. The three books are sent, postage paid, to any grange, for \$1.50.

THE LATE STATE AGENT.

At the last meeting of the State Grange Bro. Geo. Y. Johnson, of Douglas county, was appointed a special committee to examine the books of Bro. Jno. G. Otis, late State Agent and make report upon the same. From that report I give the following facts summary: Bro. Otis received cash from all

sources. \$38,804,80. Disbursed, 37,841.54. 

From Bro. Johnson's report I make the fol-

lowing extract : "After the most rigid examination that I am capable of making, I have to say that in my opinion the acts of Bro. Jno. G. Otis, as State Agent for the Patrons of Kansas, have been scrupulously and conscientiously honest, and although not being a practical book keeper, his books having been kept in an unsystematic membership has fallen off one-half, which is and scattered condition, yet they have the evidence all through of strict integrity and genuine honesty."

At the late meeting of the Executive Committee at Topeka, I was instructed to publish a summary of the report, but on account of Grange, making Topeka the Headquarters the great length of the final report I deem it and in disobedience of the express terms of inexpedient at this time to incur the expense of publication in full, but think it no more than justice to Bro. Otis to say, that after a laborious and careful scrutiny of his accounts which is beyond the control of rings or cliques while he was State Agent, we find his books and accounts all correct and everything caretully accounted for. The report in full is in independently expresses it. We shall earnestmy hands and will be presented to the next ly endeavor to make the old FARMER worthy State Grange. M. E. HUDSON.

Master State Grange.

WHAT THE PATRONS' HAVE DONE. The New York Times, in speaking of what the Patrons of the Western States have done

They have broken the power and combinations of the pork packers. They started out the past fall, as they did the fall before, to buy pork at about \$3, expecting again to get double the price when they add the fall before, to buy pork at about \$3, expecting again to get double the price when they add the fall before, to buy pork at about \$3, expecting again to get double the price when they add the fall before to the fall before the fall befor buy pork at about \$3, expecting again to get double the price when they sold, as they did last year—but the Patrons were too sharp for them this time. They said, rather than sell at these low prices, we will pack our own pork. So all over the West, the Patrons combined, determined to pack unless they could get what their pork was honestly worth. Pork came in slow, not fast enough to meet the demands of packers. The Patrons went to putting up their own pork. The packers became alarmed, and thought they had better make smaller profits, and so commenced offering

alarmed, and thought they had better make smaller profits, and so commenced offering higher prices. The Patrons were firm, resolute, and insisted on fair prices, and the packers were compelled to pay them.

The farmers have triumphed over the combinations to wrong them. Millions more of dollars have been saved to them than otherwise would have been. They needed the money, and have got it. They were entitled to it, and got only what was their due. The farmers can combine on a larger and grander scale than any other class, when it becomes necessary.

An Order with 24,000 Granges and 1,800,000 An Order with 24,000 Granges and 1,800,000 members, to whose ranks accessions are being steadily made at the rate of 400 Granges with at least 18,000 members, every calendar month of the year, which has saved to its members at least \$30,000.000 thus far which has \$17,500,000 invested in business operations, and which daily is increasing the sphere of these operations—can scarcely be said to be collapsing.—National Granger.

J. S. Parks writes from Minnesots to the

J. S. Parks writes from Minnesota to the Helper, as follows: We have organized a stock company, incorporated under the laws of the State, known as the Blue Earth Valley Stock Company. Expect to raise all kinds of full blood stock; will commence with an imported Percheron Norman—which our agents are on their way to Illinois to purchase.

W. H. Fletcher, of Republican City Grange, No. 746, Clay county, Kansas, says: That in two months we have done five hundred and fifty dollars worth of business, and are only just getting interested, having saved, on an average, from fifteen to twenty-five per cent.—

Hoosier Patron.

"Nathan said unto David, thou art the man."

Professor Price, in his lecture, November 3d, 1874 again adverted to the subject, and said:

Gentleman, he is a dealer in credit who goes down yourbeautiful Broadway and goes into \$3,000.

#### THE STATE AGENT.

At a meeting of our Executive Committee, held April 8, 1876, all the members being present, a full investigation and free discussion being had from each. It appears that there was an understanding among a majority of the members of the Committee, at Emporia, December, 1875, to appoint Bro. W. P. Popence as State Agent. Yet there was never a vote as State Agent. Yet there was never a vote taken confirming his appointment. It being afterwards thought best to appoint A. T. Stewart, as he was then acting as our special Agent at Kansas City, and to put the whole business under his charge; the Committee appointed him thereto, and statements having been made and gone to the public threath the verse that and gone to the public through the press, that the appointment of Bro. A. T. Stewart as State Agent of Kansas State Grange, was obtained through "trickery and fraud," therefore, in justice to ourselves, we would respectfully represent that such statements have no foundation in fact.

tt.
F. H. DUMBAULD, Chairman,
A. T. STEWART, Memb. 3d Dist.
A. P. COLLINS, 4th
W. H. FLETCHER, 5th
W. H. FLETCHER, 6th M. E. HUDSON, Master K. S. G.

The statements appearing heretofore in this paper concerning A. T. Stewart's appointment as State agent we adhere to. The above statement of facts does not do justice to Mr. Popenoe, and in proof of this he refused to sign the above paper. It was believed that harmony and the good of the order, required the Executive Committee to sustain Mr. Stewart even at the expense of justice to Mr. Popence. This journal has always maintained that the leaders in the Grange organization could best sustain the Order by fearlessly doing right under all circumstances. The fact that Mr. Stewart was appointed after the Committee adjourned, and when there was not a quorum present, seems to be overlooked in the above statement. We do not care to open up, at this time, a discussion of this subject. The FARMER's independent course in the discussion of Grange subjects has been tortured into opposition to the Order which position it has never occupied.

Some officers of the Grange, for the first time placed in positions of trust and honor, have looked upon the organization as ready made for their personal advancement. All criticisms upon delinquences of officers or usurpations of power have been tortured into opposition to the Order. The FARMER refusing to become a mere tool in the hands of the Executive Committee has received from a por tion of them the most determined and bitter opposition, and although they have for a short time longer a lease of power in the organization in Kansas, we most sincerely hope at the next coming election that they may be allowed to retire for the good of the Order. Under the present personal rule or ruin policy, the a striking illustration of the force of the FARMER'S criticisms heretofore. The removal of the State Agent's Headquarters to Kansas City, after building a warehouse at Topeka, in the face of the resolution of the State the charter, we think a serious blunder.

The editor of this journal believes the farmers of Kansas and the West want a paper in the Grange or out of it-one that dares to have an opinion of its own, and fearlessly and the generous support heretofere given it by the intelligent Patrons of Kansas and the West. That it may hew square to the line, without fear or favor, is our own most fervent

#### CO.OPERATIVE NOTES.

at Alliance, Ohio, with a capital of \$20,000.

The granges of Boone county, Ind., have sfully operated co-operative store. Co-operative stores are under way in Union and Monroe counties, Ky., and Floyd county,

Indiana. The Grange Store at Muncie, Ind., under the management of M. M. Moody, is a stock company, and in a short time has a fine run of

A co-operative store at Gosport, Ind., organ-ized a year ago upon a capital of \$1,000, has doubled their capital besides paying expenses and saving a large per cent.

The Patrons of Husbandry in Olmstead county, Minn., are making arrangements for the erection of an elevator at Rochester, with a capacity of thirty thousand bushels.

A co-operative store has been established at Fairfield, Ky. Capital stock, \$4,000, to be increased to \$6,000. A general stock is to be kept. Plan, that of the National Grange.

The grange at Crothersville, Ind., have a large business room under their hall. They have adopted the National Grange plan of cooperation. D. M. Latt is manager of the store

W. B. Davis, is the manager of the co-operative store located at Berry's Old Lick, Butler county, Ky. It is doing a good business, and causing other stores to sell for smaller profits.

A farmer writes that he and his neighbors having some grain to carry to market, took the precaution to accurately weigh it before leaving home. The buyer made the loads four to six bushels less than they should be. Que of the farmers had no evidence of his home weight, and could do nothing, as the grain was already mixed with that in store. The other had a witness of the weight of his grain was already mixed with that in store. The other had a witness of the weight of his grain on the home scales, and compelled the buyer to pay for the full amount. There is little doubt that such frauds are often attempted these hard times, when buyers' profits are light. Every neighborhood at least ought to have alletters and many farmers to have platform scales, and many farmers could much better afford to buy them than to sell their produce exclusively at buyers' weight.

—Syracuse Courter.

A Denver paper says that an Indian chief left his squaw in a saloon there, the other day, as security for the payment of a whisky bill. Probably one of the Pawn-ee tribe.

13838

#### ADVERTISEMENTS.

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

If you feel dull, drowsy, debilitated, have frequent headache, mouth tastes badly, poor appetite, and tongue coated, you are suffering from torpid liver or biliousness, and nothing will cure you so speedily and permanently as to



Ask the recovered dyspeptics, bilious sufferers, vic-tims of fever and ague, the mercurial diseased patient, how they recovered health, cheerful spirits and good appetite—they will tell you by taking

Dr.Simmons'Liver Regulator or Medicine Extract of a letter from Hon. Alexander H. Stephens, dated March 8, 1872: "I occasionally use, when my condition requires it, Dr. Simmons' Liver Regulator, with good effect. It is mild, and suits me better than more active remedies."

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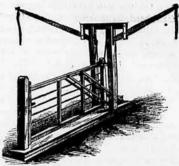


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Send for our 64 page pamphlet, which we furnish free, containing valuable Tables, Recipes, Postal Rates, Calendars, &., &c. Also a full description of our "Garden City" Clipper Plows, Cultivators, Rakes,

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We will guarantee Grange prices on all the above for cash. Call and see the goods and verify the facts.
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Brown & Van Arsdale Mfg. Co., Every Farmer should have one.
The attention of Agricultural Implement Dealers respectfully solidied. Send for Circular.

# The Kansas Farmer

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

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DEPARTMENT OF AGRICULTURE, CROP REPORTS OF CONDITION OF WINTER WHEAT.

The following crop notes are taken from the April report of the Department of Agriculture. In the more Northern States, the autumn prospects of the crop have been, to some extent, blighted by freezing out, and otherwise winter-killed, owing to extraordinary absence of snow, accompanied by frequent alternations of freezing and thawing, in the earlier part of the winter; but in the latter days of March it was too early to ascertain the extent of the injury.

From Pennsylvania about two-thirds of the returns report more or less injury from winterkilling. The injury, of course, is greatest on clayey soils and others not well drained. The that sown broadcast.

Half the returns from Indiana specify inindefinite degree to 50 per cent. destroyed.

In Illinois the reported injury is considerably less, something over two-thirds of the returns reporting a condition average or above. But from some of the heaviest counties the re turns are quite unfavorable.

Wisconsin and Iowa sow but little winter wheat, and that has been very generally injured by winter-killing.

Michigan, having had more snow, reports more favorable condition. Less than one-third of the returns are below average; over half, average or above; the others being uncertain, owing to the covering of snow.

In the remaining portion of the country the condition is favorably almost beyond precedent. The effects of extraordinary snow and cold, in the last half of March, in the South, where grain was unusually forward and tender, and of a severe drouth in the Southwest, during the autumn, are almost the only drawbacks. One of sixteen counties reporting on winterwheat in Maryland, Howard alone returns a condition below average. Among tifty-six returns of winter-wheat from Virginia, Craig and Caroline report that the condition is bad or below average.

A majority of the returns from Alabama report the condition as of extraordinary promise, while only one (Franklin) reports below aver-

In Mississippi, the crop is unpromising in De Sota, and in Chickasaw, was made yellow and sickly by the snow and cold in March.

In Texas the only exceptions to returns altogether favorable are Gillespie, injured by grasshoppers and late frosts. Anderson, late planted, first rate, but early-planted injured by the mild, wet winter.

From Arkansas, Lawrence and Stone are the only returns below average.

In Tennessee, while many counties report the best condition for years, or never better, none are reported below average. The same is true in West Virginia, except that in three or four counties the previous good prospect was considerably injured by the severe freeze d from the cause to a somewhat greater extent in Ken tucky, but yet the general condition for the State was left much above average. Across the Mississippi, in Missouri and Kansas, s sewere drouth in autumn conspired with the freeze in March to materially reduce the condition in several counties; yet, out of fifty-five returns from Missouri, only seven fall below average; and only four out of thirty-five from Kansas. Not less than ten or twelve counties in the latter State report a condition never exceeded.

The returns from California are uniformly, good and a majority report that the condition is first rate. The same is true of Oregon.

Many Thanks .- We should like to return to each individual our thanks and appreciation of the kind words that reach us, through our correspondents, concerning the FARMER Nothing is dearer to us than the hope we have that each month and year we may make it in every way, stronger and better, and more nearly our ideal of a farm and family journal. Kansas the last three years, as well as other portions of the great West, has had her full share of reverses, but to-day, there seems to every one a most cheering and hopeful future. We have never seen the people of Kansas more sanguine of future prosperity than they are to-day. The season opens finely for every growing crop, emigration is rapidly coming in and there is, without a doubt, a general revival of business in all lines of trade. It ing season. The Manager states, that the may be a source of interest and gratification breeding of trotting horses at Prairie Dell to the friends of the FARMER to know, that Farm, is conducted upon business principles, while it has always felt the influence of the depressions around it, it is to-day more prosperous than at any time in its history. All that we can do to give the old FARMER a wel- fluence in creating a taste for well bred horses come in every farmer's home will be done.

Prairie Dell Stock Farm is situated four miles West of Topeka, Kansas. It consists of 340 acres of up-land, through which runs two creeks. When the present Manager, Mr. R. I. Lee, took the place three years ago, there were no improvements on it, except the old Baptist Mission building, which is now converted into a very convenient stable for as fine a stud of well bred horses as can be found in the West.

The farm is now well enclosed with a substantial stone fence sub-divided with board and rail fences, into convenient pastures and fields for cultivation. A well finished and commodious dwelling house has just been added to the improvements. Our visit, however, was not to note the improvements which have so quickly transformed the wild prairie into a farm, but to examine the stock which in any State in the Union, would be worthy of more than ordinary notice.

In the first place, the Manager, Mr Lee, most thoroughly believes in the Hambletonian stock for speed. First among the horses We saw :

EVAN DHU: Bay stallion, 6 years old, by Rysdyk's Hambletonian, dam by Young American Eagle, 2d dam by young King

MONROE: Chestnut stallion, 9 years old, sired by Iron Duke, son of Rysdyk's Hambletonian, 1st dam by Guy Miller, also a son of Rysdyk's Hambletonian, 2d dam (James H. Coleman's dam, record 2:311/4) by Pamunkey, son of American Eclipse. Monroe's best record is 2:2814, obtained in the 4th heat at drilled grain stood the exposure better than Saginaw, Michigan, last June, he is a very steady and reliable trotter, and won all but two of the important races in which he trotted juries from winter-killing, varying from an in 1875. He would no doubt have bettered his record in the fall as he was trotting a 2:20 gait in places, but got lame in the hind quarter from which lameness he is now entirely recovered. \$10,000 has been refused for him on two occasions.

ALADDIN: A brown colt. 2 years old, sired by Rysdyk's Hambletonian, dam full sister to Monroe, see above. This colt was bred on this farm on purpose to place him at the head of the Prairie Dell Farm Stud. Mr. Lee believes this colt concentrates on himself more Hambletonian blood probably, than any other living horse.

ROBERT MACGREGOR: A beautiful, golden chestnut stallion, 5 years old by Major Edsall, son of (Goldsmith's Maid's Sire) Alexander's Abdallah, son of Rysdyk's Hambletonian. MacGregor's dam, full sister to Lady Whitman (record of 2:321/4 in 5th heat) by Seeley's American Star 2d dam by Durland's Young Messenger, Duroc.

McLEOD: Brown 3 year old colt, by Iron Duke, dam same as MacGregor. He is large for his age, plenty of bone and muscle—he is gaited very similar to MacGregor and promises to be fast,

CORIANDER: A brown colt 3 years old, by Iron Duke, dam Clara Wood (the mare Backman wanted to buy by Henry Clay, who sired the dams of Bodine; St. Julien who sold the past winter for \$20,000). Gazelle, Jas. Howell, Jr. \$20,000. Prospero (who sold as a 3 year old for \$20,000) and many other fast horses; all the above horses was sired by Hambletonian or his sons.

The horses in active training are bay gelding, Chester Thomas, Jr., 8 years old by Flying Yankee, son of Draco, last year was his first year out, and the second race he ever was in, he made a record of 2:3314, over a half mile track.

CHARLIE: Gray gelding, 7 years old pedigree unknown, has a record of 2:34, belongs in partnership with Mr. Fayette Smith, of Maryville, Mo. Chestnut stallion Monroe. Chestnut stallion Robert MacGregor. Bay 2 year old filly by Evan Dhu, out of "Agnes by Seeley's Black Hawk, 3d dam by Bertrand (there is a 3 year old by Rysdyk's Hambletonian out of this same mare entered in the 3 year old stake at Philadelphia, that was foaled on this farm and sold as a yearling for \$1,400.

Among the brood mares we saw :

AGNES ETHEL: By Magnolia, son of Seeley's American Star, 1st dam by Seeley's Black Hawk, 2d dam by Bertrand.

CLARA WOOD: (the dam of Coriander) by Henry Clay, 1st dam by Roe's Abdallah Chief, by Abdallah, 2d dam by Boanevges, 3d dam by Decay's Eclipse, 4th dam by Shakespeare, on of Duroc.

HILDEGARDE: Bay mare by Rysdyk's Ham bletonian,2d dam by Plato, son of Long Island Black Hawk, 3d dam by Whistle Jacket, son of Mambrino. There were also two full sisters to the chestnut stallion Monroe.

BRIDGET: A bay mare by Wild Irishman on of Henry Clay,dam by Spaulding's Abdallah, son of old Abdallah.

CONSTANCE: Bay mare by Billy Denton, son of Rysdyk's Hambletonian, dam by imported Consternation.

CRISCY: By Rysdyk's Hambletonian, 1st dam by Ottawa, 2d dam by Nigger Lance, son of Imp. Lance. Besides these, there were other mares and colts of promise that we have not space to mention; altogether there were about forty head of fine bred animals. The horses in training are worked systematically every day on the half mile track, preparing for the racfor profit. The investments here cannot be less than \$40,000, and among the fine stock farms of Kansas, none will have more inthan Prairie Dell Farm.

A VISIT TO PRAIRIE DELL STOCK FARM. THE EMPRROR DOM PEDRO OF BRAZIL. one of the great men of the world. He re-fuses to be lionized and feted, preferring to

> father, Dom Pedro I., was the first Emperor of Brazil, and was the son of King John VI. and Queen Dona Maria I. of Portugal. The royal family fled to Rio when the French entered Portugal in 1807, and when they re-turned the Prince Regent remained and became Emperor after the revolution of 1822 He abdicated in 1081 in favor of his son the present Emperor, who was then only five years old, and returning to Portugal, drove out his usurping brother, Don Miguel, and enjoyed a short-lived reign. Dom Pedro II. was declared of age at four-teen, by act of the Brazilian Legislature, and was crowned July 18, 1841. His reign has been an era of continued progress and prosperity for a country that had previously een constantly distracted by the quarrels of factions, and frequently torn by civil war The Nation has made great advance in the path of civilization and of material development. Population has increased, schools have been established, railways built, vast tracts of country explored and settled, and lines of steam communication established upon the great interior rivers, as well as between the seaports and the United States and Europe. In a word, a raw colony, sparsely peopled by mixed and lawless races has been converted into a compact and powerful Nation. This result is great part, to the firm and wise rule of the Emperor. Among all the reigning sovereigns of the world he is beyond doubt the

Dom Pedro was married when seventeen Barley fifty pounds; Flax seed fifty-four pounds;

Barley fifty pounds and sweet potatoes fifty most learned, cultured and liberal-minded. years of age, to Theresa Christina Maria, daughter of Francis I., King of the Two Sicilies. They have two children, the Princesses Isabella and Leopoldina. The

THE COURSE OF THE "FARMER" ON THE LOTTERY QUESTION VINDICATED. BY THE U. S. GRAND JURY.

The U.S. Grand Jury, at the session just closed in Topeka, indicted the managers of the Topeka Library Aid Association, for using the U. S. Mails in distributing their lottery advertisements.

The trial of this and other similar cases was postponed until the next term of the U.S. Distrct Court, which sits in October at Leaven worth. This is one step in the right direction but they will probably escape by paying a small fine. Even if they are convicted, they will continue their swindling business as here tofore. What we hope to see, is an investigation by the Post-office Department, where a thorough examination may be had without fear or favor. The result of such an investigation would be to stop the mails being used by this Topeka concern. The public sentimen and the Constitution of the State are plainly and distinctly against this style of stealing, even if the thieves escape just punishment through legal technicalities.

#### Minor Mention.

Mulberry Seed. -We are informed by Mr Crozier, of Williamsburg, Franklin county, Kansas, of the arrival from France of mulberry seed which is for sale as follows: Rosy mulberry per oz. \$2. White grafted at \$1.50 per oz. Mr. Crozier also calls our attention to he fact that many are sending him 10 cents for a copy of his work on Silk Culture, when the price is 50 cents per copy.

for the aggregate sum of \$35,500. They stat

Faculty consists of seven well known profess. ors and the new institution starts off with abounding in such elements of prosperity.every prospect of a successful future. That there is a demand in the West for a good Veterinary College, there can be no question and we fully believe the people will sustain it.

Ormiston & Co., whose advertisement appears in our paper. This firm is reliable. They are endorsed by over 30,000 actual patrons, as well as by the press of Boston. It is a fact that logues, papers, etc., etc., free to all.

We clip the following from the Chicago
Journal of Commerce: "Messrs. Barse & Snider, Live Stock Commission Merchants Kansas City, Mo. sold to Clough & Schener, of
Denver, Colorado, 90 head of Butcher's steers
for that market. A new feature in the cattle
trade of Kansas City, it being the first shipment of Butcher's cattle from Kansas City to
Denver." We believe that Kansas City is de-We clip the following from the Chicago Denver." We believe that Kansas City is destined to be the leading cattle market of the world and parties having stock for sale would do well to advise with Messrs. Barse & Snider before selling.

Herman Proposition of the proposition of the

Wanted .- To trade, a number one woolen The Emperor of Brazil, who is visiting mill, complete in every respect for laud or town this country at this time, is in many respects lots. Address, Alfred Bury, Kansas City, Mo.

In response to a request that he become a study our people and Institutes in a quiet way as a private citizen.

Dom Pedro was born December 2, 1825, and is, therefore in his for the control of Agriculture, says he would not account the and is, therefore, in his fifty-first year. His nomination if it were tendered unanimously. In reference to the State Board of Agriculture he says :

"My ambition has been, is, and ever will be so far as it is in my power, to make this office indispensable, so that when there shall be a constitutional convention, there may be a united voice from all industries demanding a constitutional recognition of a Bureau of Agricul-ture and Statistics."

Insect Eating Birds .- Our illustrated article, "Insect Eating Birds" will be continued through two or three more numbers of the FARMER. We are indebted to the kindness of Mr. Frank B. Fay, of Boston, Secretary of Massachusetts Society for the prevention of Cruelty to Animals, for the use of the excellent cuts in the article.

The annual oration before the Kansas State Agricultural College, will be delivered by Major J. K. Hudson, editor of the Kansas Farmer, Wednesday, May 17th, 1876.

Spring Wagon at a Bargain,-Parties who spring wagon at a Bargain.—Farties who may want a strong No. 1, 2 seated spring wagon, furnished with pole, platform springs, and well finished in every respect, can get one at a GREAT BARGAIN for cash. Address, J. G. OTIS,

Agent Patron's Com'l Agency, Topeka, Kan. Legal Weights.—By an act of the last Legis-lature of Kansas the following were the estab-lished weights for: One bushel of Castor Beans

pounds. The Great International Circus. -Sicilies. They have two children, the Princesses Isabella and Leopoldina. The Shows in One, which is now making a grand former acts as regent during the absence of her father. From this country the Emperor will go to Europe, where he will remain for over a year.

Thursday, May 11. It is one of the largest and most organized shows in the world, and has been most favorably spoken of by both nerses and people. It travels by rall using press and people. It travels by rail, using forty-three cars to transport its vans, cages, tableau cars, huge tents, &c., &c., from place

to place."

James Robinson, the great champion bare: back rider is with it. Its Menagerie, Museum, Aquarium and Aviary are very extensive. There are five performing elephants that rep-resent all species. The only living Giraffes now travaling in this country.

now traveling in this country.

Its street parade is described as of unusual splendor and beauty. None should fail to see this grand exhibition.

How To Shine. Perhaps no question of do mestic economy is so often asked, and so seldom answered satisfactorily, as how to give linen that beautiful finish peculiar to fine laundry work, the secret of which, laundrymen are so careful in keeping. Mr. J. B. Dobins, of Philadelphia, who long ago achieved a reputation for manufacturing good goods, seeing this great want, has, for a long time been engaged in a series of experiments, with a view of perfecting an article for family use best adapted to this purpose, resulting in what best adapted to this purpose, resulting in what is known as DOBBINS' ELECTRIC STARCH POL-ISH. We have tried this Polish, and find it most extraordinary, and we think are doing our friends a substantial service in making known this valuable article, so much needed in every well regulated family. We understand that a number of inferior articles are offered for sale. We would therefore caution our friends to ask for Dobbins. It not only gives to liven a heaviting finish by gives to linen a beautiful finish, but saves much time and labor in ironing, and thus it saves women,—*Toledo Blade March* 9.

THE "MASSILLON."

THE "MASSILLON."

The above will be recognized as the name of the old and well-tried Thresher, manufactured by Russell & Co., Massillon, O. They have issued for this season an elegant catalogue which is finely embellished with colored illustrations of threshing in 1776 and 1876. Send for it. Their advertisement appears in snother column.

Wilson county will raise 200,000 more bush Messrs. Virgen & Brown, of Fairbury, Illinois, in a letter inform us that they have
sold seventeen head of inported French horses
for the aggregate sum of \$35,500. They state it is true, are adapted to a great variety of that they have another shipment now en route from France. The interest in good draft stock seems to be on the increase throughout the country.

Veterinary College.—Attention is called to the advertisement of the St. Louis Veterinary could anticipate or the most enthusiastic decould anticipate or the most enthusiastic decould anticipate or the most enthusiastic described and Hospital, recently established at sire. It is cheering to those who "had faith st. Louis, Mo. The Board of Trustees are remidst from other sections, hundreds who would midst from other sections, hundreds who would be a section of the se turn to a land possessing such rare and impor-tant advantages as an agricultural region, and Wilson Co. Citizen.

Corn planting and preparations for it, is being prosecuted with much vigor in this sec-tion. Last year the area devoted to this crop "DOLLAR SALES" have been under a cloud in years past, and we now know of only one reliable house in the business. We refer to Ormiston & Co., whose advertisement appears that can be got ready will be cultivated.—

Have the area devoted to this crop was unusually large, but this year it will be larger. In some fields not a furrow was turn to the control of the cont

they do sell for a single dollar what others washed out, and communication by rail has charge \$1.50 to \$3 for and their list embraces ceased. It is expected repairs will be comthey do sell for a single dollar what others washed out, and communication by rail has charge \$1.50 to \$3 for, and their list embraces ceased. It is expected repairs will be comeverything desirable. Many ladies make large pleted to-day, so that a transfer can be made, and mail and express business resumed. The pay getting up clubs, and we believe it will storm also extended on the Atchison & Nebraspay to give the house a trial. They send cata- ka road, and that line is also reported closed for repairs .- Seneca Courier.

The rain on Saturday night is said to have

CHEROKEE COUNTY ITEMS.—Cherokee county was organized in 1866 and has a population to 12,228. Produced wheat in 1875 472,185 bushels.

bushels. Corn,1,777,524 bushels. Oats, 303,408 bushels. Irish potatoes, 60,388 bushels. Sorghum, 104,558 gallons. Tobacco,14,777 lbs. Broom corn, 200,400 lbs. Timothy, clover, millet, and hungarian is produced in Cherokee county. Water power manufacturers. Schools, churches, timber, coal, face of the country, depth of soil, and general advantages about equal to the acreage of Labette county. Population and agricultural products, something less. Lands worth from \$2,00 to \$8,00 per acre.—Ohetopa Herald. -Chetopa Herald.

The raising of flax and hemp is earnestly urged on American agriculturist by some of the foreign manufacturers. In some parts of the West, flax pays double to the acre what wheat does. The statement made by these parties that the United States annually imports \$50,000,000 of flax and hemp from Russia, or from anywhere, is false. We do import about \$14,000,000 of linens annually, but the import of raw hemp and flax does not port about \$14,000,000 of linens annually, but the import of raw hemp and flax does not amount to \$5,000,000. In time, perhaps, we shall naturalize the linen manufacturer, as we have cotton and wooler or go back to it, in the way of our grandmothers.

It is a little surprising how fast the business of wool-growing is gaining in favor with the people of Montana. Only a few years ago it was comparatively unknown, but a few experiments have proved so successful, that now periments have proved so successful, that now it is the most popular branch of business in Montana. The wool product will soon be an important item in the summing up of our resources. The wool growers of the Pacific slope are just beginning to learn of the free and unequaled pasturage to be found in that Territory, and another season will find immense flocks of sheep being driven in flocks of sheep being driven in.

COLORADO.

Our farmers and gardeners have made most heroic efforts not only in the past two years, but in the fifteen years, since this region was settled to make the "desert blossom as the rose." That they have in a manner succeeded, we have only to traverse the Agricultural sections, ride along the principal water courses, take note of the luxuriant crops, the well fenced fields, comfortable houses, and estimate the large number of nermans, said the large number of permanent residents and transient visitors, that enjoy the products of the soil of Colorado

the soil of Colorado.

There are but two principal obstacles for Colorado farmers to contend with, which are hail-storms and grasshoppers. The lack of rain, is supplied by the melting snows at just the season when most water is needed for

the season when most water is needed for growing crops,
Despite the depressing effects of the locusts of the past two years, new land has been put in cultivation, new ditches built, better methods of farming adopted, a greater variety of crops introduced, new and important machinery placed in operation, and the crude, haphazard methods of farming, assiminated more closely to the careful, scientific practice of Eastern agriculturists.—Colorado Farmer.

TO TELL THE AGE OF A SHEEP .the regions disputing about the age of a sheep to my surpris be it said. For than to tell the age of a sheep, nothing is easier. A sheep's front teeth the first year are eight in number, appearing all of a size. Second was that it front teeth the first year are eight in number, appearing all of a size. Second year the two middle ones are shed out and are replaced by two much large than the others. Third year two very small ones appear—one on either side of the eight. At the end of the four there are six large teeth. Fifth year all the front teeth are large. Sixth year all begin to show wear—not till then.

THE GRAIN TRADE IN EUROPE.

The Mark Lane Express, in its review of the grain trade for March 27, says the tenden-cy to improvement hitherto noticed has ascy to improvement hitherto noticed has assumed the shape of a definite advance in prices, and the caution with which buyers operated lately has not only been succeeded by a feeling of greater confidence in London, but is shared by all the large provincial, and a majority of the continental markets. Telegrams from Odessa report a good inquiry with considerable shipments for continental account. Finer weather has had the effect of quieting the neaver foreign markets as well actions the nearer foreign markets as well as those of London and Liverpool. They are, however, inclined to think the luli is only temporary, in view of the probable shortness of stocks in France and Germany. Their own country markets continue scantily supplied by farmers at from two to four shillings per quarter higher. A greatly reduced quantity of English wheat, apparently, will be marketcorn shared the revival of activity, and both barley and maize have risen. Flour has par-taken of improvement, and both there, and abroad, realizes higher prices.

WESTERN HOG PRODUCT OF 1875-6,

WESTERN HOG PRODUCT OF 1876-6,
The Cincinnati Price Current's twenty-seventh annual exhibit of pork-packing in the West, shows the number of hogs packed the past winter to have been 4.880,185, a falling off of 686,090 compared with last year; average net weight per hog 217 71-100 pounds, an increase of 7.24.100 pounds, or 2.78-100 per cent. The total pounds of hogs show a falling off of 105,183,486 net weight, or a decrease of 9 per cent. The average yield of all kinds of lard per hog is 35 45 100 pounds, an increase of 1½ pounds; total pounds of lard 173,016,580 pounds; decrease of 7,364,027 pounds, equivalent to 74,260 tierces, equal to. 9% per cent of product. The decrease of repounds, equivalent to 74,260 tierces, equal to 936 per cent of product. The decrease of receipts of hogs at eastern cities, including New York, Philadelphia, Baltimore, Albany, Troy and Buffalo, show a falling off of over 300,000 for the winter, which makes a deficiency of 1,000,000 hogs marketed in and from the West during the winter season, compared with last year.

#### Market Review.

Topeka Grain Market. Wholesale cash prices from commission ected weekly by Keever & Foucht WHEAT—Per bu. spring
Fall No. 1.

No. 2.

No. 3.

CORN—Per bu. Mixed.

White.

Yellow
OATS—Per bu.
FYE—Per bu.
FLOUR—Per 100 lbs.

No. 2. Selling Buying. CORN CHOP—
RYE CHOP—
WHEAT CHOP—
MILLET SEED—Per bu.
HUNGARIAN—Per bur.

	Grocers retail p Country prod APPLES—Per b Medium . Common.	rice list,	correct	ed weekly nying price	by J. A. Lee
	APPLES-Per	bu			8.0
	Medium	-waite	MAVY	• • • • • • • • • • • • • • • • • • • •	2.0
	Common.				1.9
	Castor				.8
	BEESWAX-Pe	rlb			.2
	Mediam	ID-CHOIC	æ		1
	CHEESE-Per	ib			.1101
	EGG8-Per doz	-Fresh.			.1
	HOMINY-Per	bbl			5.2505.5
	POTATORS P	gal		•••••••	.\$0@.8 25@8
	Common. Castor BEESWAX.—Pe BUTTER.—Per Medium. CHEESE.—Per doz HOMINY.—Per VINEGAR.—Pet POTATOES.—P POULTRY.—Ch Chickens, Turkeys, Geese	ickens. L	ive. pe	r doz	200@8.0
	Chickens,	Dressed,	per lt		83
	Turkeys,		**		1
	BACON-Per 1b				
	Clear Side	-SHOULD	ers		.95
	Clear Side Hams, Sug	ar Cured			.95
	Hroalrfagt				. 1
	LARD—Per lb CABBAGE—Per ONIONS—Per b			*****	1
	ONIONS—Per h	doz	*****		.5007
	ONIONS—Per bu- SEEDS—Per bu- Millet Blue Grass Timothy,	Hemp .	•••••	••••••	9,0
	Millet				.8
	Blue Grass				1.25@1.5
	Timothy,	prime	• • • • • • •		2.5
	Turning Por h	ts, per bu			8.7
	Rutabagas-Per	bu			.1
	Timothy, onion Set Turnips—Per bu Rutabagas—Per Hubbard Squas	h			.0:
		Kansas			1712
	KANSAS CITY, May 3, 1876. GRAIN.				
	The fellowing are wholesale cash prices from commis-				
1	The fellowing er	a wholas	alo con	nelone A	
1	The fellowing ar sion men.	e wholes	ale cas	prices fr	om commis
	The fellowing ar sion men. WHEAT—Per bi	e wholes	ale cas	prices fr	om commis
	The fellowing ar sion men. WHEAT—Per bi Fall, No. 4	e wholes	ale cas	n prices fr	.85@90 1.02@1.00
	The fellowing ar sion men. WHEAT—Per by Fall, No. 4 Fall, No. 8	e wholes	ale cas	prices fr	.85@90 1.02@1.00 1.25@1.2
	The fellowing ar sion men. WHEAT—Per bu Fall, No. 4 Fall, No. 2 Fall, No. 2	e wholes	ale cas	prices fr	.85@9 1.02@1.0 1.25@1.2 1.35
	The fellowing ar sion men. WHEAT—Per bi Fall, No. 4 Fall, No. 8 Fall, No. 2 CORN—Per bu— Shelled	e wholes	ale cas	n prices fr	.85@9 1.02@1.0 1.25@1.2 1.3 .30@3
	The fellowing ar sion men.  WHEAT—Per by Fall, No. 4 Fall, No. 3 Fall, No. 2 CORN—Per bu— Shelled  OATS—New per	e wholes	ale cas	n prices fr	.85@99 1.02@1.01 1.25@1.2 1.33 .80@34 .367@.5
	The fellowing ar sion men. WHEAT—Per by Fall, No. 4 Fall, No. 8 Fall, No. 8 Fall, No. 8 Shelled DATS—New per by Fall Park Weel	e wholes	ale cas	n prices fr	.85@96 1.02@1.06 1.25@1.2 1.35 .80@36 .367@.5 .26@.26
	The fellowing ar sion men. WHEAT—Per by Fall, No. 4 Fall, No. 5 Fall, No. 5 Fall, No. 6 CORN—Per bu— Shelled DATS—New per by Fall Fall Fall Fall Fall Fall Fall Fal	e wholes	ale cas	n prices fr	.85@9 1,02@1,02 1,25@1,2 1,35 .90@3 .367@3 .266@.22 .53@56
	SION MEN. WHEAT—Per by Fall, No. 4 Fall, No. 2 Fall, No. 2 CORN—Per bu— Shelled OATS—New per BARLEY—Per b BUCKWHEAT—	-New Wibu -No. 2 -New Wibu -No. 2 -New Du -No. 3 -Per bu -Per	Red.		.85@99 1.02@1.01 1.25@1.2 1.35 .80@3 .367@.5 .26@.22 .53@56 .40.60 .40@45
	SION MEN. WHEAT—Per by Fall, No. 4 Fall, No. 2 Fall, No. 2 CORN—Per bu— Shelled OATS—New per BARLEY—Per b BUCKWHEAT—	-New Wibu -No. 2 -New Wibu -No. 2 -New Du -No. 3 -Per bu -Per	Red.		.85@99 1.02@1.01 1.25@1.2 1.35 .80@3 .367@.5 .26@.22 .53@56 .40.60 .40@45
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#### SYMPTOMS OF CATARRH.

Dull, heavy headsche, obstruction of the nasal passages, discharge falling into the throat, sometimes profuse, watery, acrid, thick and tenacious mucous, purulent, muco-purulent, bloody, putrid, offensive, etc. In others, a dryness, dry, watery, weak, or inflamed eyes, ringing in ears, deafness, hawking and coughing to clear the throat, ulcerations, scabs from ulcers, voice altered, nasal twang, offensive breath, impaired smell and taste, dizziness, mental depression, tickling cough, etc. Only a few of the above symptoms are likely to be present in any case at one time.

When applied with Dr. Pierce's Nasal Douche, and accompanied with, Dr Pierce's Golden Medical Discovery as constitutional treatment, Dr Sage's Cotarrh Remedy produces perfect cures of the worst cases of Catarrh and Ozens of many years' standing. This thorough course of medication constitutes the only scientific, rational, safe, and successful manner of treating this odious disease that has ever been offered to the afflicted.

The Charter Oak as near perfection as we ever expect to find a stove. Entirely satisfatory; in short, a perfect success as a first-class cook—

Cane-mills and Evaporators.—Parties in want of Canes-mills and Evaporators will do well to send for Price-list and Circular of the celebrated Cook Evaporator and Victor Cane-mill, manufactured by the Blymyer manufacturing Company, Cincinnati, O. See advertisement.

Try.it; keep trying it, and try it again. We say this because we believe that the health happiness and prosperity of the people depend upon the proper use of these medicines, which have proved so successful in eradicating disaease and defeating death. The medicine so effective in its cure of diseases is the great Southern remedy, Simmons's Liver Regulator. Try it; we believe that the first trial will be satisfactory.

Pavorable Notoriety.—The good reputation 8 Bronchial Troches" for the relief of Coughs, Colds, and Throat Diseases, has given them a favorable notoriety.

A COMMITTEE OF LADIES of the Chemung Valley Grange. Elmira, N. Y., pronounce the PATRON WASHER superior to those costing several times as much. It is made by THE STAR Co., ERIE, PA.

The great Rocky Mountain Resorts. Grand beyond comparison. Hot Sulphur, Soda, and other Springs, and Baths. Snow-capped mountains, cloudless skies. The climate a sure cure for Asthma. Those predisposed to pulmonary affections are restered to health. The route is but the Verser. ed to health. The route is by the Kansas Pacific Railway from Kansas City to Denver. Send to Beverley R. Keim, General Pas-senger Agent Kansas City, for descriptive

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If you wish to borrow money upon Real Estate, and get your money without sending paper East, and at reasonable rates, go to the KANSAS LOAN AND TRUST CO. Topeka

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Best Grades sell for \$160 to \$200—poorest at \$70 to \$80 per ton. It pays handsomely to plant choice seed. We have Ohio, Tennessee and Missouri Evergreen also Mohawk, early Ohio, &c. Send for Circular.

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113 Kinzle St., Chicago, Ills.

THE TURKISH BATH ADVOCATE. THIS PAPER was established in Sept., 1875—Circulation then, 760—Circulation NOW, 30,600. It is sent to any address, free of postage, on receipt of Subscription price, Flyty Cents per year. The Regular monthly edition is a handsome Eight-page Journal, entertaining, instructive and original. The OMLY publication of the kind. Has received many flattering notices from the Press. Address

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Threshing Machines. Portable Engines, Horse Powers, &c. MANUFACTURED BY
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MASSILLON, OHIO.
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Sweet Potato Plants.



Strong well rooted Plants sent to your nearest express office, charges pre-paid by me. Nansemond Bermuda, andS. Queen per thousand \$2.50, per 4 thousand \$8. Red and Black Spanish and Brazil, per thousand \$3.00, per 4 thousand \$10,00. White Nansemond, (new) per thousand, (new)

Furst&Bradley SULKY

The simplest, strongest, and most easily operated rake in the market. They have

Take in the market. They have

20 Cast-steel Oil-tempered Teeth
of the very best quality, and will last for years.
Send for our 64 page pamphlet, which we furnish
free, containing valuable Tables, Recipes. Postal
Rates, Calendar, &c., &c. Also a full description of
our "Garden City" Clipper Plows, Cultivators, Sulky
and Gang Plows, Harrows, &c.
FURST & BEADLEY M'P'G CO.,
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SAVE YOUR EYESIS Restore your Sight! THEOW AWAY your SPECTACLES, By reading our Illus-trated PHYSIOLOGY

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FOR SORGO&SUGAR-OANE The only recognized stand ards in Cane Machines are th

Cook Evaporator AND THE

Victor CaneMill. There are of these Machine Over 40,000 in use.

FIRST PREMIUM at 120 State Fairs. All attempts, thus far, to equal these unrivaled Machines by other contrivances have signally failed on trial. Planters can't afford to rick crops of Cane on light, weak, unfaished Mills that brade or choke, or on common pans or kettles that do second-class work, and only half enough at that. The Sorgo Hand-book and Price-list sent tree.

BLYMER MANUFACTURING CO.,

664 to 694 West Righth St., CINCINNATI, O. Manufacturers of Cane Machinery, Steam-engines, Corn Crushers, Farm, School and Church Bells.

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CORN CULTIVATION



### THOMAS SMOOTHING Harrow

The best harrow for pulverizing the ground. The best harrow for preparing the soil for grass or

The best harrow for preparing the sold for glass of other seeds.

The best harrow for covering seed.

The best harrow for cultivating winter wheat in the spring, adding largely to the yield.

The best harrow for cultivating young corn or potatoes, as it thoroughly destroys the weeds.

The teeth being made of solid steel and slanting backwards, and thus never clogging, do not tear up corn or potato plants, but destroy all the light-rooted weeds.

Every farmer should have it. Send for illustrated circular to the manufacturer's southwestern agents,

612 North Fifth street, St. Louis, Mo.



6-INCH NAVY REVOLVER, 44-100 CALIBRE, ONLY \$10.00.
WESTERN GUN WORKS,

69 Dearborn Street, CHICAGO, ILLS. A No. 1, Hedge Plants. navo decided to sell my best assorted Hedge Plants, 1,00 per thousand. Special prices given on large GEO. P. ALLEN, Leavenworth, Kansas.

EPILEPSY OR FITS cured by Dr. Ross age FEE. For circulars, evidence of success, etc., address BOSS BROTHERS, Elichmond, Ind.

\$100 to \$200 per month guaranteed to agent sample free. Address the Hupson Winz Mills, 128 Maiden Lane, N.Y., or 18 Clark st., Chicago, Ill.

Maiden Lane, N.Y., or 18 Clark et., Chicago, Ill.

JUST SO. If you have any ragged, dirty, torn mutilated, almost worthiless "scrip" notes, or bills which no one esres to take, don't burn it. We want it, and for it we will give you good, clean books, "notions," or even east. Sond it along and select what you want. Knowledge in a Nutehell, 350 pp. 5°c. "The Fastest Cirl in N. Y. "30c; Nashy on Infiation, 30c; Life of a Washington Belle, 30c: Pocket Abum, 24 cards, 25; 50 do. 50c: Transparent Playing ards only 75c: Photographs, 10c; 12 for 50c. 50c § 1; Superb full gilt Photo albums, 30c, 50c, 75c. \$1, \$1,50. Best Steel Fens only 75c a provs. Faber's Pencils, 50c doz: London Playing Cards, 32: Violin Strings 30c: \$2.25 doz. Superb 9x11 Freuch Chromo Crosses, periect beauties, 1 Cross and Roses, 2, Cross and Leaves, 3. Cross and Lily, 4. Cross and Flowers—worth 50c-our price 15c. 2 for 25c. 6 for 50c. 17 for \$1.50 tyles. Agents clear \$10 daily sel ing these Also 1000 Elegant Colors d Engravings, size 13x18. Beautin Girls,—any name you wish—Comic. Religious, and other subjects, only 15c each, 10 for \$1. Send for our catalogue. Deal only with a reliable house bend on your dirty money (not counterfelt) and send for anything you want to HUNTER & CO., Hinsdale, N. H.

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WHY WILL You pay \$1.50 to \$3.50 for Jewelry, Cuttery, Silver and Glasoware when \$I will buy the rery same articles. It is a fact that the N. E. Dollar Sale of Boston, is, does, and has for years been selling an immense variety of goods well worth \$2 to \$3, at only one dollar. \$10 will go as far as \$15 fy you will only better what we say and buy where you can buy cheapest 5000 elegant new \$2 and \$3 books all for \$1. Dry and Fancy Goods, Groceries, Spices, &c., &c., at half the usual prices. There is no "ticket" trickety, no lottery, no delays All orders filled promptly. Goods sent C. O. D. You can see them before paying We need agents and want YOU to give us a trial. Ladies and others can raise clubs for ne and make large pay. We dealt with 9700 people in Dec., 1875. Give us one trial and like thousands of others we know we shall securely your continued patronage. We sell one article for \$1, or give spleanid premiums for clubs Tay us and see. We cannot here give our list, it would fill the entire paper. Our house is endorsed by the best merchants and papers of Boston and by 78,000 patrons. 39,000 patrons bought of us in 1875. Send xow for our great circulars. Address H. ORMISTON & CO., N. E. DOLLAR SALE, 33 Broomfield Street, Boston, Mass.

# Public Sale

# **Short-Horn Cattle**

Berkshire Hogs,

The sale will consist of 45 head of Shorthorns, 15 Young Bulls old enough for service, 30 Cows and Heifers, and 20 Berkshire Hops.

20 Berkshire Hogs.

The subscriber feels warranted in saying that this herd is second to but few for individual merit, the animals were all bred by reliable breeders and recorded, so as to the purity of their breeding there can be no question. The animals of this herd were selected with a view to supply the wants of the practical farmer; having only purchased such animals that have acquired a reputation for constitutional vigor, and they have become noted for their fine beef and milk producing qualities. The cows and helfers have been bred to such noted buils as the 18th Duke of Airdue, Geneva Duke, 19th Duke of Goodness, Clifton Duke, 2nd Duke of Waveland, Grand ·uke of Green Lawn, Sam Wiley, Tom Lang, and others. A breeding list will be intraished on day of eale.

There is quite a number of show animals in the herd that have been successful prize winners in the States of Illinois, Ohio and Kentucky, and this will be a rare, opportunity to purchase some fine show animals and especially my young buils, for they will be second in quality to no lot ever offered at one sale.

My Berkshires will consist of young Sows and Boars on year old and a number of plags three months old, bred by Hon. David Christie of Canada West, descended from the importation of Meesers. Stone, Suel and Miller, Ontario.

Catalogues will be furnished, on day of sale, giving a pedigree of cach and every animal sold. For further particular adoress.

F. McHARDY, Emporia, Kan. TERMS.—A liberal credit will be given on half the amount, payable the first of December and the balance the first of April, interest 10 per cent. six per cent discount for cash. Endorsed notes or natisfactory reference. This sale will be conducted under the rules of the Short-Horn Breeders' Association. Each and every animal sold without reserve or b. bid.

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Eggs For Hatching. From ten varieties of pure bred Land and Water Fowls, Brahmas, Cochines, Leghorns and Bantams, Ducks and Geese. Everything warranted to go sately by express. Prices to cuit the times. Fowls for sale at all times. Address. Fairmount, Leavenworth County, Kan.

INVENTORS. If you want a Patent, send us a model or sketch and a full description of your i vention. We will make an examination at the Patent Office, and if we think it patentable, will send you payors and advice, and prosecute your case. Our fee will be, in ordinary cases, \$25. Advice free. Address. LOUIS BAGGER & CO., Washington, D. C. 27 Send Postal Card for our "GUIDE FOR OSTAINING PATENT," a book of 59 pages.

NATIONAL GRANGE
ORDER OF PATRONS OF HUSBANDRY,
WASHINGTON, D. C., August 21, 1873.
LOUIS BAGGER, ESQ—Dear Sir and Bro. I will
take pleasure in filing your name as a Solicitor of Patents, and cheerfully recommend you to our order
Yours, fraternally, 90 H KELLEY.
Secretary National Grange.

## At Topeka, Thursday, May 11th, 1876.

THE WONDER OF THE TENT SHOW WORLD.

### COOPER, BAILEY & CO.'S Great International.

Ten Allied Shows in One.

FIRST TOUR OF AMERICA BY RAIL. THE LARGEST SHOW IN THE WORLD.

The Best Menagerie and Museum.

The only Five Elephants in America representing all species. The only living Giraff in America.

The only Alaska Sea Lions in America, are with this combination.

JAMES ROBINSON, the Great Champion Bare-back Rider is with it.

IT ECLIPSES EVERYTHING.

Be sure you see the Great Street Parade. Will be at Emporia, May 4th, Newton, May 5th, Wichita, May 6th, Junction City, May 8th, Salina, May 9th, Manhattan, May 10th, Lawrence, May 12th, Leavenworth, May 13th, Atchison, May 14th.

Two performances daily. Usual price to all Shows. Doors open at 1 and 7 o'clock, p. m.



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Kansas City and St. Louis, Mo., BRANCH HOUSES OF DEERF, & CO., MOLINE, ILLINOIS. DEPOTS FOR THE

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Advance and Peerless Cultivators, Climax Corn Planter, Hoosier Corn Drill, Woolridge Field Roller, Thomas' Smoothing Harrow,

And other First-class Farm Machinery. ALL GOODS WARRANTED. FARMERS WRITE TO US FOR CIRCULARS.

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FOUR DOLLARS PER BARREL! CARTER & ESTABROOK,

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ON WEDNESDAY, MAY 31st, 1876. SWEET POTATO PLANTS ! STOOK, at E. A. RIEHL, Alton, Ill.

Sweet Potatoes Down. We have a few bushels left, which we will close out at \$3,50 per barrel. WILLIAMSON BROS.,
Kaneas City, Mo.

# 100 FARMERS WANTED During the winter, to engage with us in business, paying 100 DOLLARS per month. For full particulars, address J. C. McCurdy & Co., St. Louis, Mo.

A BOON to STOCKMEN IS DANA'S NEW EAR MARKING PUNCH, LABELS and REGISTERS. Sizes suited to Cattle, Hogs and Sheep. Send stamp for samples. Agents wanted. Manufactured exclusively by the patentee, C. H. DANA, West Lebanon, New Hampshire.

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IMPORTANT PUBLIC SALE

SHORT-HORNS. "Grove Park," Berlin, Ills. Wednesday, June 7, 1876.

W E will sell, at above time and place, about 60 W head of Short-horns. They represent Western Lady (Mason), Miss Wiley (Mason), Lady Barrington, Bright Ryes, Jubilee, Illustrious, Bride, Young Mary, etc., tribes. Our sale-list consists chiefly of the get of our superior bull Summit Airdrie 1297, and those old enough will be bred to our pure Bates bull Oxford Bates, which will be included in the sale.

Passen sers will reach Berlin on morning of sale intime, from the East or West, Those wishing to examine the herd previous to vale, will be very welcome. Twenty-live pure Southdown Sheep will be sold. Send for Catalogue, for particulars.

JAMES N. IROWN'S SONS, "Grove Park," Berlin, Ills,

Gen. N. M. CURTIS, Ogdensburg, N. Y., WILL SELL AT SAME TIME AND PLACE,

THREE PRINCESS HEIFERS,

the pedigrees of which will appear in our Sale Cata-Tuesday, June 8th, 1878, the day preceding our sale.

Mears, Geo. L. Burruse & Sons Carrollton, Illa., will
hold a public sale of Short-horas.

Thursday, June 8th, the day after our sale, Judge
Stephen Dunia, of Jicksonville, Illa., will also hold a
public sale of Short-horas.

Trains run at such hours, that parties can conveniently attend all the sales.

Loans negociated on improved property, County, Township and School Bonds: also, County and Township 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.

G. F. Parnellee, Vice Pres't.

#### PUBLIC SALE SHORT-HORNS DEXTER PARK, CHICAGO.

Thursday, May 25, 1876.

WITH, perhaps, a single exception, no herd equal-by ing this in individual excellence combined with what is popularly called might bereining, has ever before been sold in the West. It numbers about seventy-five head, of the following families:

Hilpas, Bright Eyes, Harriets (Bates), Illustriouses,

Sanspariels or Seraphinas, Miss Butterflys, Athas, Miss Ramsdens,

Illustriouses, Golden Drops.

Of many of these families the herd embraces as fine representatives as are to be found in America.

As large a proportion of strictly show snimals as any herd of like size can boat:

An imported Oxford bull,
A Duke-Princess bull,
Two Roses of Sharon bulls,
Au imported Booth bull,
Au imported Booth bull,
Two Golden Drop bulls,
most of them magnificent show animals, with several
rounger ones.

younger ones.

TRIMS OF SALE.—Six months' credit on approved note, bearing 6 per cent, per annum interest, or 5 per cent, discount for cash.

Catalogues on application.

A very cordial invitation is extended to breeders and others wishing Short-horns to visit me at Alexis, and examine the herd.

and examine the herd.

Monday, May 23, J. R. Shelly sells Short-horns at Freeport, Ills; Tuesday, May 23, Hon. Sam. Dysartand J. C. Lahman sell short-horns at Franklin Grove: Wednesday, May 24, Wm. Stewart sells Short-horns at Franklin Grove: Ills; Thursday, May 25, H. Holloway sells Short-horns at Dexter Fark; Friday, May 26, Hon. Short-horns at Dexter Fark; Friday, May 26, Hon. Short-horns at Dexter Park; making a series of all sales that were described by the series of the seri

ROBT. HOLLOWAY,

Administrator's Notice. NOTICE is hereby given that the undersigned was on the 12th day of April, A.D. 1876, duly appointed by the Probate Court of Shawnee County, Kanass, Administrator of the Fatate of James Moore, late of said county, deceased. All persons having claims against said estate will exhibit the same according to law.

HARVEY W. CURTIS, Administrator of said Estate.

Price, Twenty-Five Cents.

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Written expressly for the Kansas Farmer.

WORDS OF SPRING. BY MILTON H. MARBLE.

Waken, little Violet, Slumbering in Earth's bosom yet:— I am coming up to you, From my far-off Southern home— From thy hiding place, then, come. With thy wonderous wealth of blue,

II. Sing out, little laughing brook And from out your dungeon look:
I am coming up to hear
Your sweet song, so wild and free,
That you sing so merrily—
And to join the chorus clear.

ш, Cheer up bush, and tree, and vine,
As the sun begins to shine—
Ye are very fair to me;
Sweeter than of yore, ye look,
As I glance across the brook,
Hastening onward to the sea.

IV,

IV. Chirp out, robin, join the throng With your rich, melodious song; Let the chorus reach the sea— For, with wealth of bud and bloom, Gentle spring again has come, With her voice of merry glee, Table Rock, Nebraska, March, 1876.

THE SUMMER FASHIONS.

Nearly all ladies will be glad that the black silk saque, so popular as a street garment ten or twelve years ago, is going to be revived this summer, and will be worn by all who choose either elderly, middle aged or young ladies and will be trimmed in as many different styles as there are tastes and pocket books. It is considered so entirely proper to appear on the street without any extra wrap, that we presume this convenient style will not be adopted very generally at first by those who have an abundance of handsome suits, but it will certainly find great favor with those who have but few nice dresses,and feel the necessity of having one special outdoor costume that is genteel for all occasions.

We read that a great many of these saques are trimmed with ecru lace, but that would make such a showy garment that we think most persons will prefer the less conspicuous, but more elegant black lace if they use any

The polonaise is reinstated with all its form er favor, and we know of few more satisfactory garments if one has the form of a Venus but let all tall, lank, graceless figures beware of them, and let all overly, stout and broad persons rather wear an old fashioned straight skirt gathered full all around than a tied back plain polonaise; it will surely make caricatures of either.

Overskirts are so extremely long that fashion prophets say they indicate a speedy return to plain and single skirts. The newest ones entirely cover both the front and back of short and demi-trained dresses and expose only a lit tle of the trimming of the lower skirt at the

Light and bright colors are very much more stylish than they have been for several seasons; it was found impossible to give any semblance to fashions of a hundred years ago without using some gay tints, consequently we have more decided pinks and blues, foulard silks, and some shade of yellow in almost everything: cream and ecru (a shade more vellowish than cream) are the tip top colors for every thing, but we see all shades of buff, tan, lemon and straw colors, woven into grenadine, tissue, ribbon, linen, lawn and even mits, mits of the old fashioned style. Black mits will be fashionably worn too, so that most ladies will have a pair of summer gloves to those servicable mits away some place.

Bonnets are nearly all light and very much trimmed with lace and flowers with strings or without is prefered or most becoming.

#### GOING TO THE DOGS.

"I received your bill to-day, Mr. Leonard," said a customer as he entered the shop of s master mechanic

"We are sending out all our accounts this ason," returned the mechanic, bowing.

"I want to pay you."
"Very well, Mr. Baker, we are always glad

to get money."
"But you must throw off something. Let me see"—and the customer drew out the bill—"twenty-seven dollars and forty-six cents. Twenty-five will do. There, receipt the bill, and I will pay you."
But Leonard shook his head.

"I can't deduct a cent from the bill, Mr. Baker. Every article is charged at our reg-

ular price."
"Oh, yes, you can. Just make it twenty-five dollars, even money. Here it is." And Baker counted out the cash.

"I'm sorry. Mr. Baker, I cannot afford to deduct anything. If you'd only owed me twenty-five dollars, your bill would have been just that amount. I would not have added a cent beyond what is due, nor can I take anything less than my due."

cent beyond what is due, nor can I take anything less than my due."

"Then you won't deduct the odd money?"

"I cannot, indeed."

"Very well." The manner of the customer was changed. He was evidently offended.

"The bill is too high by just the sum I asked to have stricken off. But, no matter, I can nay it."

Then you mean to insinuate," said the

"Then you mean to insinuate," said the mechanic, who was an independent sort of a man, "that I am cheating you out of two dollars and forty-six cents?"

"I didn't say so."
"But it is plain that you think so, or you wouldn't have asked an abatement. If you wouldn't have asked an abatement. nsider my charges just, you wouldn't dispute

"Oh, never mind, never mind! we'll not waste words about it. Here's your money," said Mr. Baker; and he added another fivedollar bill to the sum he had lain down. The mechanic receipted the account and gave the change, both of which his customer thrust

into his pocket with a petulant air, and then turned and left the shop without another word. "It's the last bill he ever has against me," muttered Baker to himself, as he walked away." muttered Baker to himself, as he walked away.
"If that is his manner of treating his customers, he'll soon go to the dogs. It was down right insulting, and no gentleman will stand that from another, much less from a vulgar mechanic. 'Mean to insinuate!' Humph! Yes, I did mean to iusinuate," and Mr. Baker involuntarily quickened his pace. "He'll lose a good customer," he continued to himself. voluntarily quickened his pace. "He'll lose a good customer," he continued to himself. "I've paid him a great deal of money, but it's the last dollar of mine he ever handlea."

Baker was as good as his word. He withdrew his custom from the offending mechanic.

and gave it to another.

"I've got one of your old customers, Leonard," said a friend in the same business to the mechanic, some six or eight months after-

wards.
"Ah! who is it?" "Baker."

Leonard shrugged his shoulders. "How came you to lose him?"
"I'll tell you how to keep him."

"Well, how?"

"If your bill amounts to thirty dollars, make it thirty-three and s few old cents, by increasing some of the items. He will want the surplus knocked off, which you can afford to do; then he will pay it, and think you just the man for him."

"You lost him then became "Well, how?

"You lost him, then, because you wouldn't abate anything from a true bill."
"I did."

Thank you. But suppose my bill should be twenty-six or seven, or eight; what then? I couldn't knock off the odd dollars for the

"Yes. It will be knocking off odd dollars, which he will think clear gain."

"You have a solution of the will be knocking off odd dollars, which he will think clear gain."

"That; would be hardly honest."

"Hardy. But you must do it or lose his custom some other day."

"I shall have to accommodate him, I suppose. If he will be cheated, it can t be helped."
On the very first bill Baker paid to his new tradesman, he obtained an abatement of one tradesman, he obtained an abatement of one dollar and ninety cents, odd money, and actually paid three dollars more than was justly due. Still he was well satisfied imagining that he had made a saving of one dollar and ninety cents. The not over-scrupulous tradesman laughed in his sleeve, and kept his customer.

Having withdrawn his support from Leonand, it was the caudid opinion of Mr. Baker that he was "going to the dogs," as he expressed it, about as last as a man could go. He often passed the shop, but rarely saw a

"No wonder," he would say to himself, A man like him can't expect, and don't deserve

In the eyes of Mr. Baker, the very grass

In the eyes of Mr. Baker, the very grass seemed to grow upon the pavement before the door of the declining tradesman. Dust settled thickly in bis window, and the old sign turned greyer and greyer in the bleaching air. "Going to the dogs and no wonder," Baker would say to himself, as he went by. He appeared to take a strange interest in watching the gradual decay of the mechanic's fortunes. One day a merchantile friend said to him—"Do you know anything about this Leonard?"

ard?

"Why?" asked Baker.
"Because he wants to make a pretty large
bill with me."
"On time?"

"Yes, on the usual credit of six months."
"Don't sell to him. Why the man is going to the dogs at railroad speed."
"Indeed?"

"Yes, I'm looking every day to see him close up. He might have done well for he under-stood his business. But he's so unaccomodating, and I might say, insulting to his customers, that he drives the best of them away. I used to make large bills with him, but haven't

dealt at his shop now for sometime."
"Ah! I was not aware of that. I am glad
I spoke to you, for I shouldn't like to lose six or seven hundred hollars."

or seven hundred nollars."
"Six or seven hundred dollars! is it possible
he wants to buy so recklessly? Take my advice, and don't think of trusting him."

"I certainly shall not."
When Leonard ordered the goods, the merchant declined selling, except for cash.
"As you please," returned the mechanic, indifferently, and went elsewhere and made his

purchase.

It happened that Mr. Leonard had a very pretty and interesting daughter, on whose education the mechanic had bestowed great pains; and it also happened that Baker had a son, who, in most things, was a "chip of the old block." Particularly was he like his father in his great love for maney; and scarcely had he reached his majority ere he began to look about him with a careful eve began to look about him with a careful eye to a good matrimonial arrangement, by which plenty of money would be secured.

Adelaide Leonard, on account of her beauty and accomplishments, was much caressed, and mingled freely in society. Young Baker had met her frequently, and could not help being struck with her beauty and grace.

"There's a chance for you," said a friend to

him, one evening.

"In Miss Leonard?"

"She's a charming girl," replied the young an. "I wonder if her father is worth any

People say so." "Indeed!

"Yes. They say the old fellow has laid up

"Yes. They say the old fellow has laid up semething quite handsome; and as Adelaide is his only child, she will of course get it all."

"I was not aware of that."

After this, young Baker was exceedingly attentive te Miss Leonard, and made preceptible inroads upon her heart. He even went so far as to visit pretty regularly at her house, and was meditating an avowal of his attachment, when his father said to him one day—

"What young lady was that I saw you with

etreet ? "Yes sir."

Mr. Baker looked grave, and shook his

"Do you know anything about her?" asked

"Nothing about her, but I know that her father is going to the dogs as fast as ever a man went."

"Indeed! I thought he was very well off."

"Indeed! I thought he was very well off."

. Oh, no! I've been looking to see his shop shut up, or to hear of his being sold out by the sheriff, every day, for these two years past." "Indeed!"

"Miss Leonard is a very lovely girl."

"There's no gainsaying Adelaide's personal attractions," replied the son; "but if her father is in the condition you allege, that settles the matter as far as she is concerned. I am glad you introduced the subject, for I might have committed myself, and, when too late,

have discovered my error."
"And a sad error it would have been, Henry In any future matter of this kind, I hope you will be perfectly frank with me. I have much more accurate knowledge of the condition and standing of people than you can possibly

The son promised to do what his father wheld. From that time the visits to Miss Leonard were, abated, and his attentions to her, when they met in society, became coldly formal. The sweet young girl, whose feelings had really been interested, felt the change, and was for a time unhappy, but in a few months she recovered herself, and was again bright and cheerful as usual,
One day, about a year after his timely cau

One day, about a year after his timely caution to his son, in regard to Miss Leonard,
Baker happened to pass along a street where
he had not been for some months. Just opposite a large, new, beautiful house, to which
the painters were giving their last teuches, he
mot a friend. As they passed, Baker said—
"That's an elegant house. It has been built
since I was in this neighborhood."
"Yes it is a very fine house, and I suppose

"Yes it is a very fine house, and I suppose didn't cost less than twenty thousand dollars."
"No, I should think not. Who built it? Do you know?"

o you know?"
"Yes. It was built by Leonard."
"By whom?" Baker looked surprised.
"By old Leonard. You know him."
"Impossible! He's not able to build a house

"Oh, yes he is, and a half dozen more like it, if necessary.
"Leonard?"

"Leonard?"
"Certainly! Why he is worth at least a hundred thousand dollars."
"You must be in error."
"No. His daughter is to be married next

"No. His daughter is to be married next month to an excellent young man, and this house has been built, and is to be furnished, as a marriage present."
"Incredible! I thought he was going, or had gone, to the dogs long ago."
"Leonard!" The friend could not help laughing aloud. "He got a the dogs. Oh no!

"Leonard!" The friend could not help laughing aloud. "He go to the dogs. Oh, no! There isn't a man in his trade who does so good a business, as little show as he makes. Good work, good prices. and punctuality, are the cardinal virtues of his establishment, and make all substantial. How in the world could have heavet because a well-a weight.

you have taken such a notion?"
"I don't know, but such has been my impression for a long time," replied Baker, who felt exceedingly cut down on account of the mis-take he had made, and particularly so in view of the elegant house and a hundred thousand dollars, which might all have belonged to his egregious error about old Leonard.

So the world moves on. People are prone to think that what they smile on lives, and what they frown upon is blighted and must

#### USEFUL RECIPES.

TO CLEANSE OLD COMFORTS .- Take com-To CLEANSE OLD COMPORTS.—Take comforts that are ready to be put by, for the season—which will be about the time of the
spring rains—and spread them in some convenient spot, out of doors. Keep them out
till thoroughly cleansed by the rains. Dry
them on the spot, with the least handling possible; do not bring them in till they are well
livened up by sunshine and vapor; they will
then be found to be clean, fresh and fluffy;
altogether more so than they could be made altogether more so than they could be made by wash-tub, and pounding barrel. This with-out tearing the outside, or matting or displac-ing the cotton. The work should be taken in d, before the weather is warm enough fo mildew.

THE BEST WAY to clean the inside of coffee pots or old iron pots and pans is to fill them with water in which a few ounces of washing soda is dissolved, and set them on the fire. Let the water boil until the inside of the pot looks

SWEET SCENTED FLOWERS.—Sweet Violet, Hyacinths, Sweet Candytuft, Heliotrope, Pinks, Woodbine, Sweet Brier, Tea Rose, White Lily, Sweet Alyssum; Carnation, Sweet Pea, Mignonette, Sweet William, and some varieties of Perpetual Roses.

SOFT FROSTING FOR PIES .- A. J.C., of Burns SIGN FROM THE FOR FIES.—A. J.C., of Burns, Ill., sends the following: Cut the whites of eggs to a stiff froth, gradually adding two tablespoonfuls of fine white sugar to each egg. Suit your own taste in flavoring. Spread evenly with a knife.

BEST FROSTING FOR CAKES.-Many cooks are troubled to make good frosting that will adhere to the cake and not crumble to pieces when cut. To all such I wish to recommend the following simple method. It takes but a few minutes to make the frosting, and it is always good. It is much better than to beat the eggs to a froth: For one large cake use a pound of pulverized sugar, rolled or sifted to free it from lumps, and the whites of two eggs free it from lumps, and the whites of two eggs. Sometimes the frosting stiffens up so that I do not quite use all the sugar. Stir the sugar gradually into the whites; when nearly stiff enough, squeeze in the juice of half a lemon; when all the sugar is in that is required, give it a good stirring; put the frosting in the center of the loaf of cake, dip a broad-bladed kuife in water, and spread the frosting, dipping the knife in water often enough to prevent sticking; when spread out the cake on vent sticking; when spread, put the cake on the stove hearth or under the stove for half an hour, oi thereabouts, till it gets firm, The lemon juice gives it a pleasant flavor. the acid acts upon the frosting, making it whiter and nicer to cut.

NEW FACT IN AURAL PHYSIOLOGY .- Herr Urbantschitch, in a German medical journal, calls attention to the fact that if a watch be held a little distance from the ear, the ticking is not heard uniformly, but there is a swelling and diminishing of the sound. If held such a distance as to be scarcely audible, the ticking will come and go, being at times perceived distinctly, but at times becoming wholly in-audible; as if the watch were being moved to and from the ear. This variation in percep-tion is not ways gradual; it is sometimes sudden. The same holds good for other weak sounds, as that of a weak water jet, or a tun-ing fork. Since breathing and pulsation have not the least influence on the phenomenon, the interndtion of the sensation must be attributed to the organ of hearing itself; our ear is unableto feel weak acoustic stimuli unifomly ableto feel weak acoustic stimuli unitomly, but there varying times of fatigue. To decide finally where the seat of the peculiarity lay, M. Urbantschitch made both ear-passages airtight and applied a tuning-fork and a watch to the head. The sounds seemed not contnuous but intermittent. The cause must therefore be in the nerves of hearing

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Self-Threading Shuttle,

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ndustrial purposes. Great mineral resources, especially coal, fron,

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Sample of 50 to 100 eggs sent postage paid for 50 cts.
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#### THE STRAY LIST

Strays for the Week Ending April 19th, 1876. Atchison County-Chas. H. Krebs, Clerk. DRSE.—Taken up by Fred Kauhn, Center Township thison P. O.) April 15th, 1876, one bay horse, small on forehead, saddle marks, six years old, valued at

Chase County-S. A Breese, Clerk. MARE.—Taken up by Ann Watson, Falls Township, April 19th, 1876, one sorrel mare, about 18th hands high, white stripe down her face, 5 years old. Gash value, \$70.00. Cherokee County,—Ed. McFherson, Clerk.
MARR.—Taken up by T. M. Hall, of Sheridan Tp., Apr. 17th, 1876, one pony mare, color black, and about fourteen hands high. Not valued.

Crawford County-J. H. Waterman, Clerk. MARE.—Taken up June 7th, and reported at Clerk's office March 1st, 1876. One sorrel mare, twelve years old, white spot in forehead, left hind foot white, brand, letter T on left shoulder, also W & I on right hip upside down. COLT.—One bay horse colt, thirteen hands high, one year old, white strip in forehead.

COLTS.—Two matched black horse colts, one year old, no marks or brands, one has right hind foot white.

Miami County.-C. H. Giller, Clerk. HORS E—Taken up by Wn. Tamblyn, Sugar Creek Tp. March 18th, one dark bay horse, 7 or 8 years old, some white on right side of month, four white feet, shod on front feet. Saddle marks, had headstall of halter on. Valued at \$35.00.

MARE—Taken up by Wm. T. Bell, Middle Creek Tp March 28th, one bay pony mare, 7 years old, blind in right eye, running sore on neck where the collar works Valued at 285,00.

HORSE—Taken up by H. P. Watts, of Neosho Tp, before L. J. Woodard, J. P., March 26, 1876, one sorrel roan horse about 15 hands ingl., a little white on left forefoot, sad die and harness marks, no marks or brands, a tew white hairs in forehead, supposed to be 14 years old. Valued at \$25.00.

Greenwood County-W. S. Reece, Clerk. MARE—Taken up by Edmund Jackson, Salem Tp, on the 7th day of April, 1876. One dark brown pony mare, six years old, about 1834 hands high, no marks or brands, Lyon County—J. S. Craig, Clerk.

HEIFER—Taken up by John Fagan of Reading Tp, March 25th, 1876, one two year old helfer, red and white, horns drooped down. Valued at \$12,00. Bouglas County-T. B. Smith, Clerk.

ARE—Taken up by E G Macy of Clinton, April 10th one black mare, supposed to be 4 years old, medium. Valued at \$40.00. Franklin County—Geo. D. Stinebaugh, Clerk MARE—Taken up by Pat Campbell of Williams burg, one two year old mare pony, light bay, two hind feet white, small star in forehead. Valued at \$12.00.

MARES—Taken up by John Dolin, of Williams-ury Td, one bay pony mare, two years old, small stars in orehead, small white spot on nose, right foot white up of selock. Valued at \$12.00.

Shawner County—J. Lee Knight, Clerk.
HEIFER—Taken up by Robert B. Steele, of Topeka Tp,
the 19th day of January, 1876, one red and white spotted
elfer, two or three years old, part of the brush of tail
one, Valued at \$14.00. PONY-Taken up by Hugh Lenard, three miles East or Rossville, on the 18th day of March, 1876, one dark gray stallion pony, three years old, no marks or brands. Valued at 27 Dr.

at \$25.00. Woodson County—I. N. Holloway, Clerk. E.—Taken up by Mastin Shea, of Toronto Town pril 3d, 1576, one half breed pony mare, bay colo lilte on forchead, and on nose, and white on righ g between pastern joint and hoof. 6 years old and U.S. on letraboulder, with bar connecting let

#### ADVERTISEMENTS.

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



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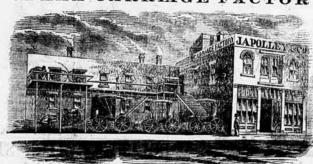
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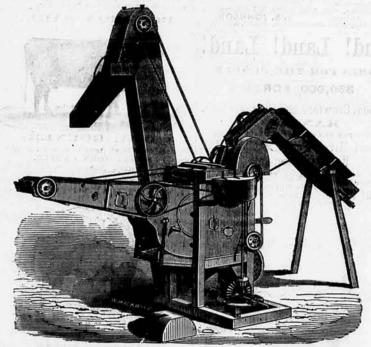
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ALSO Berkshire pigs bred from imported and premium stock, for sale singly, or in pairs not akin.
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Manchester.

By Mambrino, he by Marion and he by Clay's Mambrino Chief. First dam by Idol; second dam by Cockspur; third dam by Morris 'bhip.

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Landreth's Warranted Garden Seeds Osage Seed, and all kinds of Tree Seeds, Seed Wheat, Oats, Rye, Barley, Potatoes, etc., Sweet Potatoes of Orions, Potato, Cabbage and Tomato Plants,
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A complete and full assortment of every description of Farming Tools, and everything kept in a firstclass Agricul tural House. Prices lower than any House west of St. Louis. Do not fall to call and examine
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