intercourse, be a drunkard ; for that will ren- er enemy is threatening to destroy them. In them within twenty-four hours they will not indispensable to persons in every business, and der you wholly unfit for it. "It you are resolved to kill yourself, be a which can be suddenly thrown over the eye ing an ordinary grub, before it has become which are destitute of it will convert them into

drunkard, that being a sure mode of destruc- to protect it; because at the velocity with which a flyer, and feeding it in a particular way- fruitful agricultural districts, the value of they fly, and with the delicate texture of their and when it leaves the grub state it becomes limestone must be beyond that of any mineral tion. "If you would expose both your folly and eye, the least speck of dust would act upon it a queen bee, and they always suffer themselves we possess.

your secrets, be a drunkard, and they will as a penknife thrust into the human eye. to be governed by her. This film is to protect the eye, and the same The habits of ants are extremely curious. dition of lime or any other single substance of soon run out as the liquor runs in. "If you think you are too strong, be a thing exists to some extent in the eye of the We all have heard of ant houses sometimes which a soil happens to be deficient. The drunkard, and you will soon be subdued by so horse. The horse has a very large eye, very twenty feet in diameter, filled with halls and mixture of entire soils with each other often

powerful an enemy. " If you would get rid of your money with- horse's eye is called the haw, or third eyelid, beaver dams are constructed upon strictly me-

out knowing how, be a drunkard, and it will and if you will watch closely, you may see it chanical principles. descend and return with electric velocity. It vanish insensibly.

"If you would have no resource, when past clears away the dust and protects the eye from labour, but a workhouse, be a drunkard, and injury. If the eye should catch cold, the haw hardens and projects, and ignorant persons you will be unable to provide any.

"If you are determined to expel all comfort cut it off and thus destroy this safeguard. from your house, be a drunkard, and you will You all know, if you take a pound of iron, soon do it effectually.

tious.

dark enough.

stitute of New York.

of a cycloid.

disease.

will not care for good advice.

ard, that you may be excluded from heaven.

accomplish your-end."-Rowland Hill.

Scientific.

Curiositics of Science.

and make of it a hollow rod a foot long, what after its application. His method, we learn, "If you would be always under strong sus- weight it will support ; a weight many times is first to immerse common glue in cold water, picion, be a drunkard; for, little as you think greater than before. Nature seems to have t, all agree that those who steal from them- taken advantage of this also, long before mathematicians had discovered it, and all the bones selves and families will rob others.

"If you would be reduced to the necessity of animals are hollow. The bones of birds by a gentle heat, until it becomes entirely ta of shunning your creditors, be a drunkard, are large, because they must be strong to ken up by the latter, after which it may be ap and you will soon have reason to prefer the by- move their large wings with sufficient veloci- plied to substances for the adhesion to each ty; but they must also be light in order to other, in the way common glue is applied. It paths to the public streets.

"If you would be a dead weight upon the float easily upon the air. Birds also illustrate dries almost immediately, and water will exert community, and 'cumber the ground,' be a another fact in natural philosophy. If you no action upon it. It is unnecessary to say drunkard; for that will render you useless, take a bag, make it air-tight, and put it under for how many valuable purposes in the arts water, it will support a large weight, say an this application may be used. For cabinet helpless, burdensome, and expensive. "If you would be a pest to society, be a hundred pounds. But twist it or diminish makers it is important, as mahogany veneers, drunkard, and you will be avoided as infec- the air in it, and it will support no such weight. when glued by this substance, will never fall

Now, a bird has such an air-bag. When he off by exposure to the atmosphere. In ship wishes to descend, he compresses it at will, and " If you do not wish to have your faults reformed, continue to be a drunkard, and you falls rapidly; when he would rise, he increases it, and floats with ease. He also has the powcommon glue, and becomes impervious to " If you wish all your prospects in life to be er of forcing air into the hollow parts of the bowater.

clouded, be a drunkard, and they will soon be dy, and thus to assist his flight. The same thing may be observed in fishes. They also

"If you would destroy your body, be a have an air-bag to enable them to rise or sink drunkard, as drunkenness is the mother of in the water, till they find their temperature. If they wish to rise they increase it; if they

"If you mean to ruin your soul, be a drunk- wish to sink they compress it, and down they go. Sometimes the fish, in sinking, makes Finally, if you are determined to be utter- too strong an effort to compress it ; then down ly destroyed, in estate, body, and soul, be a he goes to the bottom, and there remains for drunkard, and you will soon know that it is the rest of his life. Flounders and some other impossible to adopt a more effectual means to fish have no air-bag : and so they are never found floating on the surface, but must always be caught at the bottom.

In this way are the principles of science applied to almost everything. You wish to know how to pack the greatest amount of bulk in the The following article is well worth the at- smallest space. The form of cylinders leaves ention of our readers; it is part of an address large spaces between them. Mathematicans by Professor Mapes, before the Mechanics In-labored hard for a long time to find what figure could be used so as to lose no space; and a

I mention these facts only in hope of show-last found that it was the six-sided figure, and ing you that there is pleasure in studying the also that a three plain ending in a point, formsciences, and when we come to natural histo-ry, we shall find the study of that, still more bee discovered the same things a good while amusing. The animal and vegetable worlds ago. The honey-comb is made up of six-sjare well worthy of observation. Probably ded figures and the roof is built with three

addition to this they have a film or coating, accept of her nor obey her. They prefer tak- as the proper application of lime to the soils

Nor does this good effect alone follow the adliable to take dust. This coating in the rooms of great size and strength. These and has the same result. For instance, the cartting of a certain proportion of the surface of rich boggy or bottom land upon upland, or the reverse, the addition of pure sand to stiff clay fields, or the application of any other soil to one of an entirely dissimilar character, has generally the same beneficial effect.

> In all these cases, the applied soil being dissimilar from that to which it is added, the chances are, even without the certainty of a scientific analysis, the productive substances have been obtained, and consequently that productiveness will be increased.

> In this way there is a great truth in the remark, that in the hands of a judicious farmer, almost every farm contains, within its limits, the means of its own fertilization.

Colour of Houses.

The Horticulturist for May opens with some much needed advice concerning the colour of country houses; which, if it could receive the attention it deserves, we should in a few years. see harmony and beauty in our rural districts, where the eye is now constantly offended with building it will probably answer a valuable glaring and offensive colours. Scarcely anypurpose, as it has infinitely more tenacity than thing can be more unpleasant to the eye, than to approach the sunny side of a bright white house, in one of our brilliant mid-summer days. Nature, full of kindness to man, has, it is well. Bitumen and sulphur form the link between suggested, covered most of the surface that earth and metals; vitriols unite metals with meets his eye in the country with a soft green, salt ; crystallization connects salts with stones ; so refreshing and grateful to the eye. His the amainthus and lythopites form a kind of habitations appear to be colored on the oppotie between stone and plants; the polypus site principle, and one needs in broad sunshine unites plants to insects: the tube-worm seems to turn his eye away to relieve them by a to lead to shells and reptiles; and the eel glimpse of the agreeable shades that everyforms a passage from reptiles to fish; the an- where else pervade the landscape. Hence asnigra are a medium between fishes and birds; landscape painters studiously avoid the introthe bat and flying-squirrel link birds to quad- duction of white in their buildings, and give rupeds; and the monkey equally gives the hand them some neutral tint-one which contrasts to the quadruped and to man.-Scientific Jour. agreeably with the prevailing hues of nature around them. It is laid down as a rule among artists that the colour of all buildings in the vent rust is made of one pint of fat oil varnish, country should be of those soft and quiet. mixed with five pints of highly rectified spi-shades, called neutral tints, such as fawn, drab, rits of turpentine, rubbed on the iron or steel gray, brown; &c., and that all positive cowith a piece of sponge. This varnish may be lours, such as white, yellow, red, blue, black, applied to bright stoves, and even mathemati- &c., should always be avoided .- Newark Adv.

> CAN HORSES SCENT WATER IN THE GROUND ?-It has been observed by travellers who have driven cattle on the "pampas" or plains of South America, that they could scent ter for a considerable distance, and also

Chain of Being

Glae Made Water-proof.

periment which promises to be of much ad-

vantage by making glue perfectly waterproof

and having the property of drying immediately

until it becomes perfectly soft, but vet retain

ing its original form; after which, it is to be

dissolved in common raw linseed oil, assisted

A mechanic in Albany has just made an ex-

Rust.-A most excellent varnish to precal instruments, without injuring their delicate polish.

The Farm.

you all know what is meant by a cycloid. If plain surfaces coming to a point.

Varielles of Soils.

nesia and certain acids, all of which are ingre-

we make a spot on the periphery of a wheel If a flexible vessel be emptied of air, its Some of the most valuable improvements in travelling on a plane, the figure which that sides will be almost crushed together by the modern agriculture proceed from the disco-spot describes is a cycloid. Now there is no pressure of the surrounding atmosphere. And very, that all plants do not exhaust from the figure in which a body can be moved with so if a tube partly filled with fluid, be emptied of soil in which they grow the same ingredients much velocity and such regularity of speed, air, the fluid will rise to the top. The bee un- or component parts of it; and that no two not even the straight line. Mathematicians derstands this, and when he comes to the cup plants of a different kind abstract the same discovered this not many years ago; but na- of the tall honeysuckle, and finds that he can- proportion of each ingredient. ture's God invented it. When the eagle not reach the sweet matter at its bottom, he Hence, beyond all question, it is establish-

pounces upon his prey, he describes the figure thrusts in his body, shuts up the flower and ed : 1st. That every kind of soil is, in its nathen exhausts the air, and so possesses himself tural state, fitted for the production of some

A globe passed in water or air, in moving of the dust and honey of the flower. The one or other of the thousand plants that cover meets with resistance, and its velocity will be feet of flies and lizards are constructed on a the earth ; and 2d. That the addition to it, by retarded. If you alter the globe to the form similar principle, and they thus walk with ease human labour, of those ingredients or subof an egg, there will be less resistance, which on glass or ceiling. Their feet are so made stances of which any soil is deficient will fit mathematicians studied for many years to dis-cover; and when they had discovered is, they they have the pressure of the atmosphere fif-ingredients.

found they had the form of a fish's head ! teen pounds to the square inch, to enable them Careful examination has also shown that Nature had "rigged out" the fish into just to hold on. The cat has the same power to a silicious or flinty matter not only constitutes a large proportion of all soils, but also the such a figure. less extent.

The feathers of birds, and each particular Plants require the sunlight, and some flow- largest ingredient in the composition of oats, part of them, are arranged at such an angle ers turn themselves towards the sun, as it as to be most efficient in assisting flight. The travels round from east to west. The sun-human eye has a mirror on which objects are flower does this, and so does a field of clover. which lime is always one, are contained in make it, if you cannot find it—haul off the reflected, and a nerve by which these reflec- The facts, though we have not yet got at the these and other plants, a large proportion of tions are conveyed to the brain, and thus we reason of them, are still extremely interesting. it entering into the composition of clover and are enabled to take an interest in the objects which pass before the eye. Now, when the eye is too convex, we use one knd of glasses fluid like water, and is adapted, in different tion of lime to soils from which it is naturally to correct the fault; and if it be not convex animals to different purposes. In the hyena absent, must confer upon them the power to enough, or if we wish to look at objects at and other carnivorous animals, it will dissolve produce those useful plants, especially corn different distances, we use glasses of entirely dead flesh. These creatures then live upon and clover, so far as unproductiveness of them furrow, yet we agree that people do not geneother animals and even bones are soluble in was caused by its absence. another description.

But as birds cannot get spectacles, Provi- their gastric juice while it will not dissolve ani- The same may be said of potash, soda, magdence has given them a method of supplying mal food.

the deficiency. They have the power of con-tracting the eye, of making it more convex, so as to see the specks which float in the at-the family. In this particular, bees are bet-limestone in quantities, in any quantity, is sethe deficiency. They have the power of conmosphere, and catch them for food; and also ter instructed. When they lose their queen of flattening the eye to see a great distance, bee-which is an entirely different animal from and observe whenever any vulture or any other is working bee-if you present another to For, as the productions of the farmer are tion, when it exceeded 150,000. --[Paris paper.

would indicate the coming of rain, by their snuffing in the air, some time before it fell, asif they smelt it coming in the distance.

It is also said by those who have travelled on the deserts of Africa on camels, that this animal could scent water at a great distance.

A friend was relating to us, the other day, as a fact, that horses had a similar faculty .--He states that if a horse be shut up in a pasture where there is no water; he will at certain times of the day make it a practice to stand in those situations where water is nearest to the surface, and thus indicate the best Sandary & Standary place for digging for it.

Have any of our readers ever observed this trait in the horse ?-Maine Farmer.

HEAPS .- There is one kind of heaps on a farm that is a perfect nuisance-heaps of stones in mowing fields, left for a convenient opportunity to be removed-which seldom or stones at the time of picking them, and make a finish by depositing them in some proper.

CORN.

place.

We do not think that corn requires a deep rally plough deep enough for the permament good of the land : Rye may do better for a. year or two with a light furrow-and so may almost any plants with the exception of root crops.

The Englishman is decidedly a travelling animal. At