## How to Test and Cook Muchrooms.

Robt. Morris, Copeland, contributes to the February Atlantic, an article on "Elible Fungs," from which we take the following:

we take the following:

"The treatises on fungi give many methods of cooking than to make them palata", and most of the process can so compound, and it gives o many a lattions of condiments or spices, butter, etc., that a piece of sole leather so could be all probably be very good. The simplest method is best for real relich, and is an easy way of a common whether my fangin which seems safe is the cost to be worth entiry. Per loff the oxter skin, best fout the stem, and set the cap top down on a law stove. In the right where the stem formerly according a lattic calt, and, if desped, a small late of hate it Scatter some safe over the gills. When it a batt nor safe melts, the cooking is done; and is stoon as a law cool enough the fungus should be eaten, carefully saving the pace. Alguness campearis coeked in this way and caten hot will make one wish that he was all mouch and palate, and that him mouth might never be in want of a "mushroom."

This is the simple Irish way of cooking the much room and all its allies can be freated in that way. Some fung which do not seem particularly delicious when thus cooked will, when clowly stewed with a little butter and flour dredged in, with salt and

butter, make most delicious atews.

The mushrooms, Certharellus, Marcsimus, Boletus, indeed all of the fungi named, will stew together, and form a dish that alone, or as an entry, can not be surpassed in delicacy of flavor and gastronomic satusfaction.

In testing new fungi, one ents a little of the cap with salt to ascertain whether it tastes good, and whether it affects the fauces of the throat disagreembly; when a burning or stiming sensation accompanies or follows the swallowing cet no more, but take a copious dose of common salt, which generally neutralizes the poison. Some species which are unpleasant or eligibly injurious when raw, lose ther harsh qualities in cooking; but as there are so many that are delicious, it is well to give up the doubtful kinds.

## Growing Tomatoes from Cattings.

Sometime since it occurred to me that tomatoes might be grown from cuttings of the bearing vine, in the full, and wintered in greenhouses in a bearing condition. Accordingly, I made several cutting sand potted them in four inch pots, when well rooted, and have since continued them in a bearing condition. They are new in fruit. The object in view is to have early bearing plants for spring, by the time they can go out of doors, instead of waiting for seedlings to acquire sufficient age to produce fruit.

can go out of doors, instead of waiting for seedings to acquire sufficient age to produce fruit.

The experiment thus far is a success. The plants are strong and thrifty, and more stocky than when grown from seed. They are disposed to branch at the axil of each leaf and need pruning and entingback. No plant roots easier from cuttings than the tomato.—Western Rural.

LUNAR LIGHT UTON VEGETATION.—Mons. P. Charbonnier, in a communication to the Journal d'Agracultur Pratique, states that lunar light exerts a material influence upon aquatic vegetation. This fact was first noticed from the increased growth of cryptogamic vegetation upon the sides of an aqualium. It was observed that during the time of full incon it was much more luxuriant than during the time of the new moon. This led to other observations with regard to it, and it was found that aquatic vegetation generally is affected in a similar manner.

The "Geographical Garden" is one of the latest novelties in Paris. The idea seems to be to inform the masses a little more definitely as to the whereabouts of Persia. A space of ground is land out to represent the "five quarters of the world; kingtons are separated by gravel-walks, and c int nents by rills. The geography of the globe can be learned in an afternoon, and a voyage around the world can be taken for one franc.

Three Kinds of Men. — A clever author says there are three linds of men in the world, 'The wills the world, and the can'ts.' 'The first effect everything, the next oppose everything, and the last fall in everything. 'I will' builds our realroads and steamboats; 'I won't 'don't believe in experiment and nonsense, while 'I can't' grows weeds for wheat, and commonly ends his days in the court of bankrunter.

# Entomological Department.

#### The Ant Lies

It was in April of 1872, while at Plymouth, Mass., with a party of friends in search of the Mayllower Lingua repens, that I was so fortunate as to capture a specimen of the larva of this insect. It was quite by accident that it came to my hands. A friend and myself were lounging by the roadside, for want of better employment thrusting our fingers into the light sand, when with a jerk and exclamation my friend withdrew his hand to find this larva clinging will a most determined nip to a finger, it immediately dropped to the ground, however, and so quickly buried itself backward as to almost escape us, but a noment's lively digging revealed it again, and I secured it in a pill box. On my arm al. it hand I provided a jar with a few in the of dry sand in the bottom, and placed the larva in it; it at once buried itself, and though I waited several hours, hoping to writness the commencement of its pitfall, there was no marken by the direction, there was now and no movement in that direction; there was now and then a slight stir of the sand, and once or twice the heal was trust above the surface, but quickly withdrawn at the slightest movement on my part. I grew treel of watching and retired for the night, returning in the morning to find a completed pit. It was in the family an inverted cone, about on, and one-half inches in diameter and three-quarters deep, and as smooth as sand could be made. At the first glance I discovered no sign of the builder, but a closer inspecdiscovered no sign of the builder, but a close inspec-tion revealed a pair of monlibles and at the base of them a pair of eyes; the bearer of these was singly ensenced in the sand. The monlibles were stretched to their wilest capacity and restinging and opposite sides of the 1st, so harmonizing in other with the sand as not to be readily noticed. In this position the larva would rest for hours unless disturbed, when it would withdraw from sight, but soon reappear and resume its watch.

My great interest, however, was in its method of taking its prey, and to witness this operation I provided a dozin or more ants of a small species, dropping them all into the pit at once; the larva with one sweep of its jaws secured three or four, and in a very short time hilled or disabled them, but it soon dropped them and proceeded to hill most of the others be one commencing its rejut. Owing to their shore commencing its rejut. Owing to their shore commencing its rejut. Owing to their largest hill his trend to save and the next lay accured the largest specimens I could find of the field Art, I from at Samplin at moment is courage and trout. I dropped the largest of this courage and trout. I dropped the largest of this courage and trout. I dropped the largest of this courage and trout. I dropped the largest of this con the sand in the jar, having it to find its way into the pit, which it soon did, lesitating a moment it the brink and then walking to the bottom. At the instent that the anticence within reach the larva closed its jaws upon one of its legs, and for a few moments I witnessed quite an exciting contest, the anticuring anitwicting to find its adversary and bring savagely at everything within its reach, the larva endeavoring to draw far back into the sand, thereby protecting itself and pressing the anticoles to the surface as to allow but very little room for movement. The antifinally feed itself from the jaws of the larva, but did not at once succeed in leaving the pit; the larva instantly almost entirely uncovered itself, and slashed right and left with its mandibles, seeming to be in a perfect fury at the loss of its pray. It also threw sand rapidly, but I could not see that the sand struck the antic except when it tried to escape up the sides of the pit back of the larva; then the sand invariably struck it and brought it to the bottom. The antifinally escaped, but the next day was again caught and its pities sucked dry.

In no instance did I see so much resistance offered is in this case, usually the anti seemed to realize that their adversary was one with which they could not cope. I rom my observations I concluded that the larva trusted rather to its long mandibles and the mability of its prey to readily climb the walls of the pit, than to said throwing where it did not capture then in the first attempt, for I saw it throw said in but few instances. I did not see it in the act of diging its pitfall but once; it was then midnight and I did not stay to witness the completion. I noticed only that it threw the said out with its head, working very rapidly. I have sometimes left the room to return in less than an hour to find a completed pit where before there was no sign of it. From the day of capture to May 11th I kept it supplied with ants, of which it destinged numbers every day, but on the

filled level with the surface, and from this time to the time of pupating it dug none, remaining hidden most of the time and but once taking any food, then capturing an ant while concealed by a few grains of sand. On June 4th it constructed a round eccoon of silk, covered with grains of sand, and about one-half an meh in diameter. I presume it immediately pupated, but did not open the eccoon to ascetain. On July 8th the image appeared and proved to be Myrmelon immaculatus.

In the larva star it is certainly in some respects the most interesting usect I have ever seen, its very activity and pagnacity exciting admiration; its manifoles were always ready to close upon any intruding object. When I first obtained it I wished to preserve a description and in order to accurately observe the colors I was obliged to remove the fiacurans of sand that were entangled in the short hairs on the body; this I did with a camel's hair bruch, an operati in to which the larva decidedly objected, but it is cod its ground and fought it out, constantly sating the Lush between its mandables, often in its attempts to reach its pringing quite clear of the table.

—II. Moody, of Malden, Mass., in the "Cancilian Intermelogist."

### About Pain-Insect and Human.

The pact insists that a crushed insect Incorpored suffrance finds a pang as great As when a giant dies.

Good poetry, perhaps, but bed physiology and metaphysics. Man has a mind and an exquisitely sensitive nervous system. Beetles have neither, and as the pangs of human dissolution are mental as well as physical, and bodily pain is a nervous sensation, it is evident that an expiring big, which has neither soul nor spinal marrow, cannot feel "a pang as great as when a giant dies." Tholower the animal in the scale of creation, the lezs pain it must experience from injury and in the act of dying. If anglers believe that a worm or a minnow suffered the same torture from the implement as a human being, they would hardly consider it sport to fish with "hvo bait," and if epicures surmised that a stabbed oyster felt all the agonics of a stabbed Christian, they would be unable to swallow the gelid victims by the dozen and smack their lips over the remast.

victims by the dozen and smack their lips over the repast.

If the poet's doctrine were true, what a set of mensters we should be! To keep a lawn in preper trim, it is necessary to draw a penderous roller over it now and then. Every blade of grass supports its colony of insects—the sward is alive with erceping, wriggling, jumping things, over them goes the remorscless cylinder, slaying millions. If each endure the agony of a human death, what should we think of the gardener and his employer! But it is not zo. Pain is relative. Creatures are susceptible of it in proportion to the perfection of their structures. A trout can feel more of it than an oyster; a quadruped more than a fish, an insect or a reptile; and man intintely more than any of the soulless and comparatively brainless brutes.

Nevertheless, whoever wantonly kills or injures any living thing is not blameless. Many good people have their doubts about the innocence of angling—as a sport. People who fish to live, one can have nothing to say against, but people who live to fish, as the sentimental Izaak Walton did, and as some of his dieiples do, are not so excusible. When a worm in pricked with a hook, he manifests unmistakable signs of not liking it. He may not experience the pangs that an animal with a backbone would suffer under the same circumstances, but he feels as a worm, and even a worm's feelings should be measurably respected,

It is generally supposed that circumstances being equal, one man suffers as much pain from a given amount of mutilation or injury as another. It is, nevertheless, unquestionable that men differ as materially with regard to their susceptibility to pain as in their capability of bearing it manfully. Everything in these cases depend upon the will. Much depends upon the fineness or the coarseness, the weakness or strength, of the sensorial organization. The patient who writhes and cries out under the surgeon's knife, may be as brave as he who lies silent and impassive on the operating table.—Pacific Rural Press.

only that it threw the sand out with its head, working very rapidly. I have sometimes left the room to return in less than an hour to find a completed pit where before there was no sign of it. From the day of capture to May 11th 1 kept it supplied with ants, of which it destinged numbers every day, but on the latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date, either by design or accident, its pit was latter date.