throughout. It was effected by boring holes with angers, which we c then connected by means of the axe, and occupied twenty-five men fo five days. But even when this was done, so accurately perpendicular was the noble column that it would not full, and it was only by applyin. a wedge and strong leverage, during a heavy breeze, that its ove throw was at last effected. In falling it seemed to shake the ground like a earth packe; and its immense weight forced it into the soft virgin soi so that it lies imbedded in a trench, and the stones and earth were hurled upward by the shock with such force that these reco ds of the fall may be seen on the surrounding trees to the height of nearly a hundred feet. The stump was smoothed, and has been fitted up fo theatrical performances and bulls, affording ample room for thirty-two dancers. The bark was removed for a certain length, and being put up symmetrically, as it originally subsisted, constituted a large room furnished with a carpet, a piano, and seats for forty reisons. In this state it was exhibited in various cities of America and Europe.

So successful was this speculation, that another hero of the Barnun tribe proceeded to separate the entire bark from the "Mother of the Forest," to a height of one hundred and sixteen feet, removing it is sections, carefully marked and numbered, for future reconst. uction It is this trophy which has been exhibited in London, first in Newman. Street, and afterwards at the Adelaide Gallery. These buildings, however, would not admit of the election of the whole, so that it was removed in 1856 to the Crystal Palace, where it now desights the eyes of thousands daily.

Perhaps we can searcely regret the removal and transport of these relies, especially as it is said the "Mother" has not been perceptibly injured in health by the abstraction of her outer garment. Yet it is a Yet it is a matter of congratulation that pecuniary avidity will not further diminish

All these are the mighty works of an Almighty God; not selfproduced, as some would fam assure us, by the operation of what are called eternal "laws," but designed by a Personal Intelligence,

created by a Living Word, and uphe.d by an Active Power.

"Praise the Lo.d from the earth, ye drugons, and all deeps: mountains, and all hills; fruitful trees, and all cedars; beasts and all ! catte; erce, ing things, and flying fowl! His glory is above the earth and heaven." (Ps. extviii.)

THE MINUTE.

Ir great bulk excites our admiration, so does great minuteness. He who of old wrote the Iliad within the compass of a nut-shell, might have copied the poem a hundred times over, without eliciting one pull of that gas which enabled him hominum voliture per ora, if he had confined himself to the ordinary scale; and the curious interest with which we gaze on a dozen spoons carved out of one cherry-stone, and enclosed in another, we should not think of bestowing on the same number of dessert spoons in the plate basket. The excessive minuteness of the objet in question is the point to be admired, and yet not mere minuteness; we might see objects much smaller, atoms of dust for instance, and pass them by without a thought. There must be minuteness combined with a complexity, which, in our ordinary habit of thinking. we associate with far greater dimensions: in the one case, the number, form and order of the letters that make up the poem; in the other, the number, shape and carving of the toy spoons.

And thus, when we look on the tiny harvest mouse, two of which scarcely weigh a halfpenny, and which b ings up its large little family of eight hopeful mouse ings in a nest no bigger than a c. ic et bad, o. the still timer Etruscan shrew, it greatly enhances our interest to know that every essential organ is there which is in the giant rocqual of a hundred feet. The humming-bird is construct d exactly on the same model as to essentia's as the condor; the little s, herodactyle, which we might put into a quid-barrel, and carry home in the waist coat pocket, as the mighty crocodile; the mackerel-midge, which never surpasses an inch and a quater in length, as the huge baskingshark of six and thi ty feet.

Complexity of structure, the multiplicity and variety of organs, do not de, end upon actual d mans ons, but rather upon the position in the great plan of organic existence which the creature in quest on occupies. The harvest mouse possesses a much more elaborate organisation than the vast shark or colosial stake. In general, the creatures of simple st actore are minite-the most simple, the mist minute; but we need to limit this proposition by many condit one and exceptions, before we shall fully apprehend the true state of the case.

the human frame; and similar statements were not uncommon in cheap compilations of natural history a few years a zo. This has been abund-inty shown to be erroneous; but the tendency has been to run into in opposite ext eme; and to assume that what are called "low to ms" of organic life are exceedingly simple in their structure. There is, I my, error he e; the mic oscope isdaily revea ing the fact, that in such beings the tissues that had been too hustily thought simple and almost iomogeneous a e really complex, and that systems of organs of the most elaborate character are present, which had been ultogether overlooked and unstst ected.

What is more interesting than an examination, by means of a firstate mic oscore, of a tiny atom that inhabits amost every clear ditch-the Meicerta? The smallest point that you could make with the finest steel-pen would be too course and large to represent its natural dimensions; vet it inhabits a snug little house of its own construction, which it has built up stone by stone, cementing each with erfect symmetry, and with all the skill of an accomplished muson, as t proceeded. It collects the material for its mortar, and mingles it; it ollects the material for its bricks, and moulds them; and this with a recision only equalled by the skill with which it tays them when they are made. As might be supposed, with such duties to perform, the ttle animal is furnished with an appa atus quite unique, a set of machinery to which, if we searched through the whole range of beasts, mids, ref tiles, and fishes, and then, by way of supplement, examined the five hundred thousand species of insects to boot, -- we should find

no parallel.

The whole apparatus is exquisitely beautiful. The head of the pellucid and colourless animal unfolds into a broad transparent disk, the edge of which is moulded into four rounded segments, not unnke this noble grove, for the law has now prohibited the injury of any The entire margin of this flower-like disk is set with time vib. attle cilia, the flower of the heart's ease, supposing the fifth petal to be obsolete. the current produced by which runs uniformly in one direction. Thus there is a strong and rapid set of water around the edge of the disk, following all its irregularities of outline, and carrying with it the floating particles of matter, which are drawn into the stream. At every circumvolution of this current, however, as its particles arrive in succession at one particular point, viz., the great depression between the two uppermost petals, a portion of these escape from the recolving direction, and pass off in a line along the summit of the face towards the front, till they merge in a curious little cup-shaped cavity, seated on what we may call the chin.

This tiny cup is the mould in which the bricks are made, one by one, as they are wanted for use. The hemispherical interior is citiated, and hence the contents are maintained in rapid rotation. contents are the atoms of sedimentary and similar matter, which have been gradually accumulated in the progress of the chary current; and these, by the rotation within the cup becoming consolidated, probably also with the aid of a viscid secretion elaborated for the purpose, form a globular pellet, which as soon as made in deposited, by a sudden inflexion of the animal, on the edge of the tube or ease, at the exact spot where it is wanted. The entire process of making and depositing a pellet occupies about three minutes.

I say nothing about the other systems of organs contained in this living atom: the arrangements destined to subserve the purposes of digestion, circulation, respiration, reproduction, locomotion, &c., though these are all more or less clearly distinguishable in the t.ssues of the animal, which is as translucent as glass. For the moment I ask attention only to the elaborate conformation of organs, which I have briefly described, for the special purpose of building a dwelling. No description that I could draw up, however, could convey any idea approaching to that which would be evoked by one good sight of the little creature actually at work; -a most charming spectacle, and one which, from the commonness of the animal, and its ready performance of its functions under the microscope, is very easy to be attained.

It is impossible to witness the constructive ope ations of the melicerta without being convinced that it possesses mental facuties, at least if we allow these to any animals below man. If, when the chinpanzee weares together the branches of a tree to make himself a bed; when the beaver, in conce t with his fellows, gnaws down the birch saplings, and collects clay to form a dam; when the martin brings together reliets of mud and arranges them under our eaves into a hollow receptacle for her eggs and young, -- we do not hesitate to recognise mind—call it instinct, or reason, or a comb nation of both—how can we fail to see that in the epe ations of the inv sible animalcu'e there are the workings of an immateria princi le? The e must be a power to judge of the condition of its case, of the height to which it must be carried, of the time when this must be done; a will I suo ant exhib tors of oxyhydrogen microscopes will fre uently, to commence and to go on, a will to cave off (or the cliary current indeed, be heard to declare that all the specks that are seen shooting is entirely under cont ol); a consciousness of the cadiness of the to and tro, or revolving, top-fashion, in their populous dro; s of water, are furnished with all the organs, tissues, and members that constitute (may I not say, also, a memory where the previous ones had been laid,