workmen. Here he will be well to mike a note of, the decided difference between the two modes of represinting solidity for the two purposes named.

When the three dimensions are repesented for artistic or pictorial purposes, the diawings are made from actual objects, or else imaginary objects are drawn as though they were actuany in existence and before tho cye. In neither case can the drawings be used for the purposes of construction, except in a merely incidental way. Drawing from the solid is only indirectly of service in the industries, but that indirect service is very great.
When the three dimensions are represented for tho guidance of the artisan, the drawings, instead of representing what already exists, represent an obect which is to be made. That the olject may be made from the drawiugs, they must represent its inside as well as its outside, its rear as well as its front. The object must be showin in parts, and not as a whole, and each part must be drawn to it scale. Of course there can be no perspective,-none to the effects of chiaroscuro.

Such being the radical differerice between the two modes of represending solidity,-the one for a pictorial, the other for an industrial purpose, -that it is not a little astonishing to find persons, even in this country where ignorance of drawing is so great, who hold that, even for indnstrial purposes, drawing from the solid, with all the difficulties of chiaroscuro, is the kind of drawing which should be specially taught in the public schools. In their opinion cill other kinds of drawing may be salely ignored, or should at most yeceive but slight consideration. For a moment contrast this opinion with the lesson taughi by the Centennial Exposition. If yout examine all the manufactured products there displayed, you will nol find one that was made from the perspective drawing. Some of the more elaborate decoration, however, will show effects of chiaroscuro that can be learned only by draving from the sofid and from natural objects.

Drawing from the solid, as a part of advanced technical or industrial education, must by no means be ignored. It affords an admirable discipline for the hand and eye; it trains the imagination to realize solid form in space; it increases sensibility for delicate gradations of light ind shade; and so it niust always be regarded is an essential element of technical as well as purely artistic education. It is only necessary to see that it occupies its legitimate place. A word as to the general course which instruction in this kind of drawing should take.

To be continued.

## Grammar for Litie Dnea.

making wonds.
When we add or to the end of at word, it sometimes makes it mean one who does the deed, or who works the work.

Thus a man who can hunt is a hunter, and a man who can sing is a singer. A miller is a man who vorks in a mill, and a farmer is a man who works his farm with his men and horses.

A man who keeps anything is a keeper; if he keeps a shop he is a shop-keeper, and if he keeps an inn he is an inn-keeper.

When I sleep I am a sleeper, and when 1 eat I am an eater; when I walk I am a walker, and when 1 read I. am a reader.

Father and mother say that I am a player more than a worker. It is better to he a lover than a hater; and it

But when we add cr to otiners words it has puite an olher meaning. When we add er to deep the word is deepry ; and deeper means more deep. In the pretty brock lhat runs by our door, the parts where it runs fast are not very deep, but the still pools are deeper. The mill dam is deeper thon the pools of the brook, and the well is deeper than the mill dam. As the well is deepny than all the others we call it the deepest.

We say the pools are deep, the mill dam is deeper, mil the well is the deepest of them all. The worl deepest is made by adding est to the word deep.

In the same way Ann is smaller than 1 am, and my little brother is smaller still. I am taller than Ann is, Ned is taller than I am, Nother is talter than Ned, and father is taller than mother. He is the tallest of all.
-Mondery Mornin!.

## Gireat Mistalyes.

To set up our standard of right, and judge people accordingly. To measure the enjoyments of others by our own. To expect uniformity of opinion in this world. 'ro endeavor to mould all dispositions alike. Not to yield to immuterial trifles. To look for perfection in our own actions. To vorry ourselves and others with what cannot be remedied. Not to make allowance for the infirmities of others. 'To consider every thing impossible which we cannot prrform. To expect to be ible to understand everything.

## Conservatism in Spelling.

## bi ceonge f. chace.

It is alleged that the orthography of the Englisin language is illogical, inconsistent, and difficult to remember. Radicals advocate a spelling reform which shall remove these faults. Assuming that the multitude will then learn to spell, they proceed to indicate the means of reform.

Admitting the allegations to be, in a measure, true, I deny the feasibility or the desiralility of radical change: When a child is born, it inherits the constitution, and temperament of its parents, and in a lesser degree, of its more remote annestors. Careful training may foster what is good, check what is evil,-may, to a certain extent, control the physical, moral, and intellectual growth. To attain the best results, even thus far, implies an intelligent, unrestrained, unopposed guide, rehgiously oleyed. But training cannot wholly eradicate constitutional tendencies. Training cannot transform ugliness into beaty, deformity into symmetry. Training will not make an idiot become a plato. Barring accidents, a child is intelligent or stupid, comely or ugly, to some extent virtuous or vicious, uccording to his ancestry. His parents and teachers-must take him as he is, and make the most of him. A scuiptor could design a better physical man (Adam accepted) than ever breathed the breath of life. Adam was made a "litlle lower than the angels." Humanity of to-day has inherited the accumulated imperfections of numerous generations of ancestors.

The law of language does not differ from the law of life, Given a few roots, certain laws of combination and sound, and a language could be constructed perfectly logical and consistent,-a complete machure. But lan:guage is not a machine; it is a growth, and liable to all the accidents of growth. Its formation has depended upon the wants, the virtues and vices, the harmonies and discords of mankind. You may prune and manure your

