

Science is closely allied to Art, in fact we might say if it were not for Science, there would be no Art, for as Dr. Campbell says, "all art is founded on Science, and the Science is of little value, which does not serve as a foundation to some beneficial Art."

Perhaps our referees may not fully comprehend this sweeping statement. I said, without Science, there would be no Art, for Art is but the fulfilling of the laws of Science. Take for instance some of the fine Arts, such as poetry, music, painting, sculpture, architecture, etc. Painting, to begin with, is indirectly founded on Science. We know that all great artists have studied the Science of Anatomy, and the curves of beauty in all their forms, before they have attained that greatness, and we, as girls, know what are College, and world in general, would be without the refining influence of poetry or music, both of which come from Science.

But the work of Science does more for the carrying out of nature's plans than anything else. We may take for example, Electricity. This great power was ever present in nature, and was at last, through the knowledge of Science brought into use. Electricity, is but one of the great discoveries of Science, and yet we wonder now, how we managed without it. Take it in its application to the Telephone. Our cities would not be the cities they are if it were not for the Telephone, which is installed in nearly every other house, for convenience sake. Then again, look what it has done for locomotion in the way of the Electric Street Car. A person wishing to go to a certain place, need not start a day or two beforehand in order to get there, as he used to, but can reach his destination in a comparatively few minutes from the time he starts. The Science of Electricity has also enabled us to protect our fine buildings by guarding off the lightning.

Of this wonderful branch of Science, I can take time to say but little, compared with what is known about it.

Those of us who have visited the "World's Fair," can estimate for ourselves the great achievements, that Science has wrought in this line. I would like to ask just here,

what Literature did for the "World's Fair."

Then again, Science has taught us correct methods of investigation and thought. It broadens the mind. Take the noted men of our nation, and then ask how they attain to their greatness. I think you will find that their diligent study of Sciences, from youth upwards, has broadened the intellect, and fitted them for their calling in life. How would this great universe, advance in improvements, if it had not the results, that our ancestors diligently sought for, and have given to us in Science?

Again, it has taught us to value truth, whereas Literature feeds the imagination in all conceivable forms.

To Science we owe the discovery of steam in its various ramifications. Look at the ennumerable kinds of machines that are run by their power. The binding together of the two world's, by the Atlantic Cable, was at first the result of steam, and afterwards electricity. This perhaps, has done more to promote civilization, and advance the idea of a universal brotherhood, than any book that ever was written by human means.

The art of healing is essentially a modern art, and entirely due to the investigation of Science. The Scientist Harvey discovered the circulation of the blood.

The cleanliness of cities and persons is insisted upon by Science, and so has almost abolished plagues, which as late as the year 1665 devastated all Europe. The Cholera, that swept over the continent a year ago, originated, in one of the worse places for uncleanness, to be found, and the harm wrought by it, would have been very great, had it not been for protection by scientific means.

Then Science has taught us how to guard against all kinds of diseases, by proving infectious, what were formally thought to be harmless. Scientists are working day and night to ameliorate the sufferings of humanity, by finding out remedies for diseases, supposed to be incurable. Prof. Coke, of Berlin, has spent years in trying to find a cure for Consumption, and if he does (which he has to a certain extent,) will

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