

one to learn words and to compute numbers, to measure angles, circles and spheres, and to observe things and to remember their qualities and actions, enable the possessor of these powers to become educated. Education does not seem to call into action the deductive reasoning powers. This accounts for the observation often made that there are learned fools. A man may have only a moderate education, and yet he may have a large development of the deductive reasoning powers: he then possesses the gift of common sense. Let an observer of character go into a new country, and he will see many illustrations of this idea. If he devotes special attention to the study of traits of character, he will find hundreds of persons who are the sons of wealthy gentlemen. These men are generally well educated; some of them will show in their management good, common sense. They need no special teaching to enable them to succeed in the pursuit of wealth, happiness, and respectability. The blunders of the others, especially when they persist in carrying out their own ideas, make them a laughing-stock. This sort of persons are more ready to listen to the opinions of men who are like themselves, than to men having good, common sense. "Birds of a feather flock together."

NEW THEORY OF CREATION.

Science teaches that water is a compound of hydrogen and oxygen, and also that combustion will cause hydrogen and oxygen gas to unite and form the liquid water. I did not discover this scientific fact, but I have used it in a train of deductive reasoning to explain the cause of light on the day of creation, independent of incandescent metals, the light of the nebula stars, or even the light of the sun, which was placed in the firmament on the fourth day of creation.

In my essay on Creation, I have endeavored to show that the earth was created in the time stated by Moses, counting the day only twenty-four hours in length. The following is a brief synopsis of the work:

Water, changed into the original gases of which it is composed, expands a thousand times, *i. e.*, a cubic mile of water would make a thousand cubic miles of hydrogen and oxygen gas, having a density equal to that of air at the surface of the earth, but these gases are very elastic according to experiments made by Mr. Boil. These gases are very expansive. The Hon. Mr. Boil found that air at first expanded nine times; then in another experiment, it dilated thirty-one times; again into sixty, and then into 150 times its previous volume. Afterwards it was brought to expand to 13,679 times the space it originally occupied, and all this was effected by its own

expansive force without the aid of heat. (See Dr. Thomas Dick's works on the Atmosphere.) Hence, if all the water in the earth was changed into hydrogen and oxygen and expanded to the extent they are known to expand, the earth would be surrounded with a gaseous envelope that would reach from the surface of the earth to at least five hundred thousand miles. If the solid materials of the earth, which are composed of substances more or less resolvable into gas, were changed also into gases and eliminated, they would add to the volume or density of such a gaseous body surrounding the earth. Now, if the non-gaseous matter of the earth was reduced to exceedingly fine particles of dust and diffused throughout such a gaseous expanse, like dust in the air of a room just swept, and the place where the earth existed was left void, the earth, according to my own theory, would be in the condition that it was in the beginning of creation. There would be chlorine gas and some metalliferous substances in the form of dust which would ignite in it. The diffusion of metalliferous substances, such as sulphur, copper, zinc, throughout such a gaseous body when charged with a certain amount of heat, would produce electric sparks, and electric sparks will ignite hydrogen, and hydrogen when supported by oxygen will burn with a flame, and steam will be the result from the union. Carbon and lime was present in the gases, for they are in the earth. Carbon and lime in a flame produced by burning hydrogen produces the most brilliant light. But the flame produced by burning hydrogen is intensely hot; all the metallic particles of the unformed earth existing in such flame would be rendered red hot or incandescent, and then if conglomerated in this condition would make a red hot earth of nearly eight thousand miles in diameter. Much of the non-gaseous substances would combine with the steam and both would have to cool off before they condensed to vapor, so that drops of water could be formed. These drops would unite geometrically, and then drawn by gravity to the earth would cover up the red hot earth with non-heated materials, so that men and beasts could walk on it unharmed as soon as the dry land was made to appear. In my essay on Creation, I have shown that the whole earth was covered with water before it began to rotate. I have also explained the cause of its rotary motion, but I trace all causes back to the first great cause of all things, the Creator of the heavens and the earth, and all that is in them.

A collection of facts relating to earthquakes and volcanoes would form a branch of science. At present more is known of the phenomena of earthquakes and volcanoes than the cause