

law of causation or the connection between cause and effect. Examples for illustration taken from Mill's Logic. The discovery of the Torricellian Vacuum. The three separate uniformities or causes which are present and co-operate to the production of a single phenomenon, or effect in the case of water rising in a pump, or of mercury in a barometer. The law of an effect of combined causes may be resolved into the separate laws of these causes. Generalization, or the gathering up of several laws into one more general law, which includes them all. Instances by way of illustration. The most splendid example of generalization is to be found in the law of gravitation. This is the law by virtue of which particles and masses of matter attract each other. Essential to all matter. This force inherent in matter by the Divine will. Is the the cause of the falling or drawing of bodies downward towards the earth. Celestial and terrestrial phenomena brought under this one law of gravitation. Order, adaptation, or aptitude of appointment everywhere observable among the celestial phenomena. The theistic conclusion is impressively forced upon us by this order.

BOOKS OF REFERENCE.—Chalmers' Natural Theology, book 2; Dwight's Theology, vol. 1, serm. 1; Dick's Theology, vol. 1, lect. 1, 2; Knapp's Theology; Brown on Cause and Effect, Stapferi Theologia, vol. 1, chap. 3; Tulloch's Theism; Christian Theism, by Thompson; Mill's Logic, book 3, chap. 4, 5.

LECTURE III.

ANIMATED OR ORGANIZED MATTER.

All created things that exist are comprehended under matter and mind. Matter unorganized and organized. The laws assigned to animated or organized matter. Two classes of organized matter, animal and vegetable. Both exhibit forms and obey laws in some respects similar. All creatures, whether animal or vegetable, endowed with a power of generating or propagating their own kind. Not easy to draw the line between the animal and vegetable kingdoms. A gradation in all the parts of the creation. Organic laws are the creative and preserving will of God. The laws which regulate matter when organized, both with respect to animals and vegetables, are varied and numerous. All are the expression of the Divine agency, and the continual going forth of the