Creation.-The Establishment of the Uninterrupted Connection of Historical Development by Lyell and Darwin.-Biographical Notice of Charles Darwin .- His Scientific Works .- His Theory of Coral Reefs.-Development of the Theory of Selection.-A Letter of Darwin's .- The Contemporaneous Appearance of Darwin's and Alfred Wallace's Theory of Selection .- Darwin's Study of Domestic Animals and Cultivated Plants .- Andreas Wagner's notions as to the Special Creation of Cultivated Organisms for the Good of Man. -The Tree of Knowledge in Paradise.-Comparison between Wild and Cultivated Organisms .- Darwin's Study of Domestic Pigeons. -Importance of Pigeon-breeding.-Common Descent of all Races ... 128 of Pigeons

CHAPTER VII.

THE THEORY OF SELECTION (DARWINISM).

Darwinism (Theory of Selection) and Lamarckism (Theory of Descent). -The Process of Artificial Breeding.-Selection of the Different Individuals for After-breeding .- The Active Causes of Transmutation.-Change connected with Food, and Transmission by Inheritance connected with Propagation .- Mechanical Nature of these Two Physiological Functions .- The Process of Natural Breeding : Selection in the Struggle for Existence.-Malthus' Theory of Population.-The Proportion between the Numbers of Potential and Actual Individuals of every Species of Organisms.-General Struggle for Existence, or Competition to attain the Necessaries of Life.-Transforming Force of the Struggle for Existence.-Comparison of Natural and Artificial Breeding.-Selection in the Life of Man.-Medical and Clerical Selection ... 153

CHAPTER VIII.

TRANSMISSION BY INHERITANCE AND PROPAGATION.

Universality of Inheritance and Transmission by Inheritance.—Special Evidences of the same.—Human Beings with four, six, or seven Fingers and Toes.—Porcupine Men.—Transmission of Diseases, especially Diseases of the Mind.—Original Sin.—Hereditary Monarchies.—Hereditary Aristocracy.—Hereditary Talents and Mental Qualities.—Material Causes of Transmission by Inheritance. —Connection between Transmission by Inheritance and Propagation.—Spontaneous Generation and Propagation.—Non-sexual or Monogonous Propagation.—Propagation by Self-division.—Monera and Amœbæ.—Propagation by the formation of Buds, by the