

England, and occur in New Jersey, Delaware, Long Island, &c. The tertiary beds of Maryland consist of limestone, clay, sand, and gravel, and abound in the usual types of European tertiary marine shells. I have placed before you an extensive collection from the United States, for which I am indebted to the kindness of Dr. Morton, Mr. Conrad, Professor Silliman, Dr. Harlan, and other American savans; and you will observe how striking is the general analogy between these shells and those of the Paris and London basins. The *turritella*, *venericardia*, *fusus*, *ancilla*, &c. are identical with the European species; but some of the types are altogether new.

50. ALTERED TERTIARY STRATA OF THE ANDES. —But striking as are the proofs already adduced of elevation, and other effects of volcanic agency during the tertiary period, these sink into comparative insignificance when contrasted with the enormous changes which have taken place in the great mountain chains of South America during the same geological epoch. From the researches of an eminent naturalist and highly intelligent observer, Mr. Charles Darwin, we learn that an extensive tertiary system, analogous to that of Europe, skirts both flanks of the primary rocks which form the southern chain of the Andes, the latter having suffered a certain degree of elevation before the deposition of the former. These strata are of great thickness and extent, and separable