

calcareous hills : it is not confined to the tertiary, but occurs also in the secondary formations, and constitutes immense beds in the Alps and Pyrenees. The blue clay at Bracklesham and at Stubbington, and the calcareous sandstone of Emsworth and Bognor, in Sussex, abound in nummulites. In North America, the limestone which occurs near Suggsville, and forms a range of hills about 300 feet in height, is entirely composed of one species of nummulite. This limestone is porous, and contains spheroidal cavities formed by the decomposition of the organic remains.*

31. CRUSTACEA AND FISHES.—Crabs and lobsters, of species related to the recent, several of which are described by MM. Brongniart and Desmarest, in their beautiful work on Fossil Crustacea, have been found in the clay of Highgate, and in the Isle of Sheppey. The external configuration of the shell or crustaceous covering of these animals being in conformity to the viscera which they inclose and are intended to protect, the naturalist is able, by an accurate acquaintance with the characters of the living species, to point out the relation or difference of the fossil, even though the carapace or buckler alone remains ; and the size and situation of the heart, stomach, &c. may thus be readily determined. This remarkably fine crab

* *Nummulites Mantellii* of Dr. Morton. See Synopsis of the Organic Remains of the Cretaceous Group of North America. 8vo, with numerous plates. Philadelphia.