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FIG. 3. Coral System of *Eozoum* injected with serpentine (magnified).

FIG. 4. Very fine canals and tubuli filled with Dolomite (magnified).

(From Micro-photographs.)

injected with a hydrous silicate. This is a filling up by no means infrequent in later fossils, and as Dr. Carpenter has shewn, it is going on in the modern seas in the case of foraminifera and other porous tests and shells injected with glauconite. Numerous instances of this kind exist in Palæozoic limestones. Several of these are described in my paper on fossils mineralized by silicates (*Jour. Geol. Society*, Feb. 1879, *et infra*), and I have recently met with another interesting example in a limestone from the Lower Carboniferous of Maxville, Ohio, collected by Prof. E. B. Andrews, and presented to me by Dr. T. Sterry Hunt, in which many crinoids and corals are beautifully injected with a greenish hydrous silicate resembling glauconite.

Mineralization of this kind is in reality greatly less complex than that in which, as in many fossil corals and fossil woods, the calcareous or woody matter has been entirely removed and replaced by silica, oxyde of iron or pyrite. In many cases also in Palæozoic fossils the cavities have been filled with successive coats of different minerals