



PLATE IV.

Fig. 1. Portion of a mass of *Chatetes undulatus*, Nich., natural size. Trenton Limestone. (P. 10.)

Figs. 2, 2a. "Puff-ball" forms of *Chatetes*, from the Hudson River Group of Canada. Natural size.

Fig. 3. A small example of *Chatetes petropolitanus*, Pander, having the typical form of the species. Natural size. Trenton Limestone. (P. 10.)

Fig. 3a. Base of the same, showing the concentrically-wrinkled epitheca. (P. 10.)

Fig. 4. Disc-shaped variety of *C. petropolitanus* (= *Stenopora patula*, Billings), viewed from above. Natural size. Trenton Limestone. (P. 10.)

Fig. 4a. Part of the under surface of the same, showing the epitheca. (P. 10.)