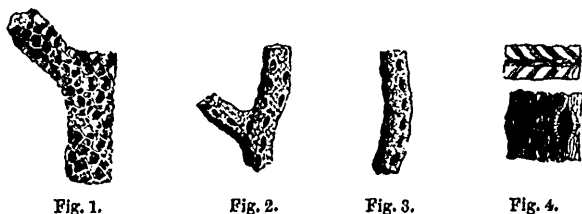


Genus STRIATOPORA.—(Hall.)

Fig. 1. *Striatopora Linneana*.

Figs. 2, 3, 4. *Trachypora elegantula*.—Fig. 4 is a portion enlarged: the upper figure a longitudinal section.

Generic characters.—"Ramosae, coralla solid; stems composed of angular cells; apertures of cells opening upon the surface into expanded angular cup-like depressions; interior of the cell rayed or striated, striæ extending beyond the aperture of the cell."—(HALL. *Palæontology of New York*, vol. 2, page 156.)

STRIATOPORA LINNEANA.—*N. Sp.*

Description.—Stems two or three lines in diameter, branching at an angle of from 75° to 80° ; cells variable in size, the greater number with the expanded mouth one line wide, and the circular cavity at the bottom from one-third to one-half of a line; the smaller or younger cells, of all sizes, are somewhat uniformly distributed among the larger. In the perfect specimens the mouths of the cells are everywhere in contact with each other, the edges of the walls between them sharp, and the form more or less polygonal, generally five or six sided. In worn specimens the cells are more nearly circular, and the walls obtusely rounded on the edge. The striæ in the cell mouths not observed. I have seen only two specimens of this species, and am unable, therefore, to state to what extent the stems may vary in thickness. In *S. rugosa* (Hall),* Hamilton Group, Iowa, the cells are distant from each other nearly their own diameter, and the stem is branched at an angle of about 55° (in the specimen figured). In *S. flexuosa* (Hall),† Niagara Group, the cells are, upon an average, more than one line and a half wide, and many of them two lines. Our species, therefore, must be regarded as distinct from either.

* *Geology of Iowa*. Vol. 1, Part 2, page 479, Pl. 1, fig. 6.

† *Palæontology of New York*. Vol. 2, page 156, pl. 40 B, fig. 1a.