

PLATE V.

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Fig. 1. ETHMOPHYLLUM RENSSELAERICUM .....

1. A nearly perfect specimen, showing the summit and the outer poriferous surface. Collection U. S. National Museum.
- 1a. A specimen with portions of the outer wall removed, so as to show the septa and the poriferous surface of the inner wall. Collection U. S. National Museum.
- 1b. Transverse section showing 12 septa and the pores of the inner and outer walls, enlarged. Collection U. S. National Museum.
- 1c. Transverse section of the upper end of 1a, with 18 septa. Collection U. S. National Museum.
- 1d. Transverse section, where the walls and septa are thickened by additional layers. Collection U. S. National Museum.
- 1e. Enlargement of the outer poriferous surface.
- 1f. Drawing of the type specimen, by Mr. S. W. Ford. The poriferous surface is worn off on the raised portion. I am not satisfied but the dissepiments are of accidental origin. There are about 20 septa in the transverse section of the specimen. Collection S. W. Ford.

Fig. 2. ETHMOPHYLLUM RARUM .....

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2. View of the only specimen that can be referred to this species in the collection of the Geological Survey. The outer surface is entirely removed. Collection U. S. National Museum.
- 2a. Transverse section of the lower end of 2, showing 9 septa.
- 2b. Drawing of the type specimen, by Mr. S. W. Ford. There are about 21 septa and the outer surface is removed. Collection S. W. Ford.

Fig. 3. EOCYSTITES ?? LONGIDACTYLUS .....

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3. Enlargement of one of the plates occurring at Pioche, Nevada. Collection U. S. National Museum.