

*Spicules*.—I. Megascleres. 1. *Oxea*, fusiform. 2. *Dichotriæne*.

II. Microscleres. 3. *Sterraster*. 4. *Oxyaster* (?), with slender actines. 5. *Microstrongyle*.

*Habitat*.—Grenada; depth, 262 fathoms.

*Erylus transiens* (Weltner).

*Stelletta transiens*, Weltner, Beiträge zur Kenntniss d. Spong. (Freiburg), p. 44, pl. ii. figs. 22–25, 1882.

*Sponge*.—Conical, 20 mm. long by 10 mm. wide, excavated by an axial cavity, with walls 3 mm. in thickness; or somewhat cylindrical, solid.

*Spicules*.—I. Megascleres. 1. *Oxea*; some of the oxeas traverse the cortex. 2. *Dichotriæne*, deuterocladi short compared to the protocladi; rhabdome variable in length.

II. Microscleres. 3. *Sterraster*, disciform, biconvex. 4. *Spheraster*, a small centrum and numerous conical actines, 0·0162 mm. in diameter. 5. *Microstrongyle*, fusiform, centrotylote; 0·05 mm. long.

*Colour*.—Pure white in the dried state.

*Habitat*.—Barbados; depth, 100 fathoms (Agassiz, 1878); and Gulf of Mexico (Agassiz, 1879).

*Erylus* (?) *intermedia* (O. Schmidt).

*Stelletta intermedia*, O. Schmidt, Spong. Algier, p. 21, pl. iv. fig. 6, 1868.

*Sponge* (?).—Cortex 1 mm. in thickness.

*Spicules*.—I. Megascleres. 1. *Oxea*. 2. *Orthotriæne*.

II. Microscleres. 3. *Sterraster*, spherical; 0·11 mm. in diameter. 4. *Chiaster*, actines truncated, and covered near the ends with little tubercles. 5. *Oxyaster*, actines granulated. 6. *Microoxea*, surface granulated; 0·075 mm. long.

*Habitat*.—Algiers.

*Caminus vulcani*, O. Schmidt.

*Caminus vulcani*, O. Schmidt, Spong. Adriat. Meeres, p. 48, pl. iii. fig. 27; pl. iv. fig. 6, 1862.

*Sponge*.—Spherical; surface smooth, covered with a network of elevated ridges; bearing little tubercles; oscule single, large, situated at the summit of the sponge, surrounded by a smooth thin margin, leading into a vertically descending cloaca, the upper one-third of which is smooth, that below perforated by numerous excurrent canals; pores in sieves between the ridges. Cortex scarcely 2·1 mm. thick, ectochrote very thin.