



FIG. 17.—*Caulerpa denticulata*, a monoplastic Siphonacean of the natural size. The entire branching primary plant, which appears to consist of a creeping stalk with fibrous roots and indented leaves, is in reality only a single plastid, and moreover a cytod (without a kernel), not even attaining the grade of a cell with nucleus.

us to how great a degree of elaboration a single cytod, although a most simple individual of the first order, can develop by continuous adaptation to the relations of the outer world. Even the *single-celled primary plants*—which are distinguished from the monocytons by possessing a kernel—develop into a great variety of exquisite forms by adaptation; this is the case especially with the beautiful