

arranged vertically, and this peculiar tissue forms a complete sheath surrounding a pulpy mass of granular horny and sarcodic matter which fills the interior. In this inner spongy substance sheaves of similarly-shaped spicules are likewise arranged vertically, but much more loosely; and the projecting scales forming the head of *Thecophora ibla* are formed by the projecting ends of such sheaves. Among echinoderms, *Ophiacantha spinulosa* was one of the

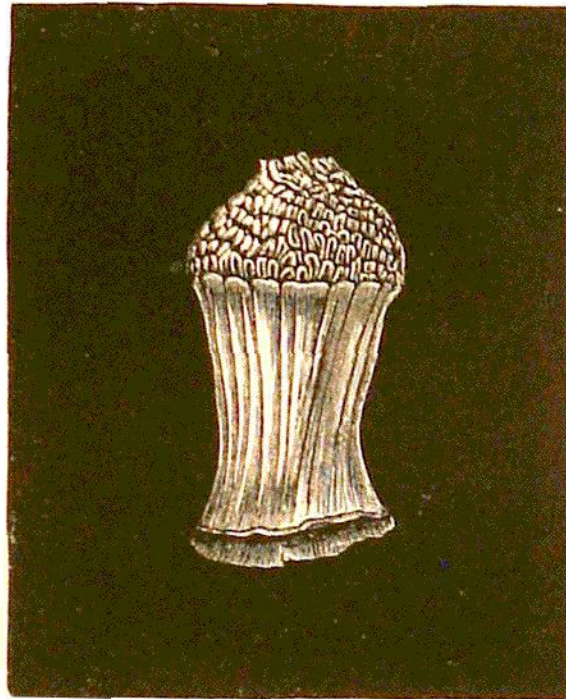


FIG. 24.—*Thecophora ibla*, WYVILLER THOMSON. Twice the natural size. (No. 76.)

prevailing forms, and we were greatly struck with the brilliancy of its phosphorescence. Some of these hauls were taken late in the evening, and the tangles were sprinkled over with stars of the most brilliant uranium green; little stars, for the phosphorescent light was much more vivid in the younger and smaller individuals. The light was not constant, nor continuous all over the star, but sometimes it struck out a line of fire all round the disk, flashing,