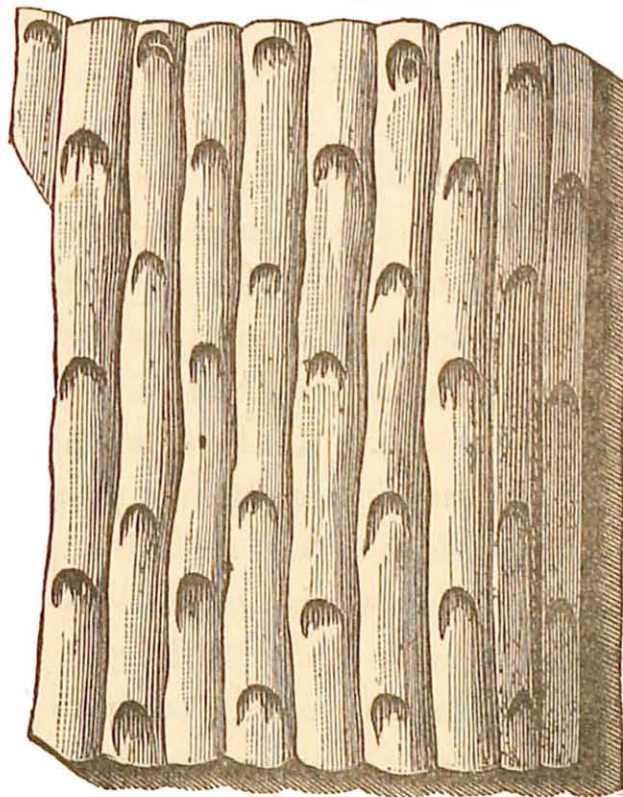


pattern, according to their species. All were fluted vertically, somewhat like columns of the Grecian Doric ; and each flute or channel had its line of sculpture running adown its centre. In one species (*S. flexuosa*) the sculpture consists of round knobs, surrounded by single rings, like the heads of the bolts of the ship-carpenter ; in another (*S. reniformis*) the knobs are double, and of an oval form, somewhat resembling pairs of kidneys,—a resemblance to which the species owes its name. In another species (*S. catenulata*) what seems a minute chain of distinctly formed elliptical links drops down the middle of each flute ; in yet another (*S. oculata*) the carvings are of an oval form, and, bearing each a round impression in its centre, they somewhat resemble rows of staring goggle eyes ; while the carvings in yet another species (*S. pachyderma*) consist chiefly of crescent-shaped depres-

Fig. 30.



SIGILLARIA PACHYDERMA.  
(One-fourth nat. size.)

sions. The roots, or rather underground stems, of this cu-