

to render this arrangement more clear to the student by the following definitions.

A straight tube, or horn, of an elongated conical figure, tapering to a point, and having its cavity divided by transverse partitions, which septa are not straight, but undulated, and their edges, which fit into the walls of the tube, deeply wrinkled, and the whole series pierced by a pipe running along near the outer margin, would be the model of the shell termed *Baculite*, *Lign.* 110, fig. 2. (*Bd.* pl. 44, fig. 5.); which may be regarded as a straight Ammonite. A similar shell, gently arched or curved, would be a *Toxoceras*, *Lign.* 109, fig. 1; the same tube, bent upon itself, like a siphon, into unequal limbs, not contiguous, a *Hamite*, *Lign.* 110. (*Bd.* pl. 44, fig. 10.); bent and approximate, or anchylosed in a straight line, *Ptychoceras*, *Lign.* 110, fig. 4; partially convoluted, the whorls contiguous, and the free end recurved, *Scaphites*, *Lign.* 111; the same form, but the spire not contiguous, *Ancyloceras*, *Lign.* 109, fig. 3; spirally twisted around an axis, *Turritite*, *Lign.* 112. (*Bd.* pl. 44, fig. 14.); coiled, but the turns not touching each other, *Crioceras*, *Lign.* 109, fig. 2; lastly, coiled up in the form of a disk, all the turns being contiguous, AMMONITES.

AMMONITES. *Lign.* 107.—Shell discoidal, more or less compressed, whorls of the spire contiguous. and often visible; septa lobed, their margins deeply