

In the family of the Asterophyllites, the leaf of *A. foliosa* (Fig. 66), and the foliage of *Annularia orifolia* (Fig. 67) are remarkable. In

addition to these, we present, in Fig. 63, a restoration of one of these Asterophyllites, the *Sphenophyllum*, after M. Eugene Deslongchamps. This herbaceous tree, like the Calamites, would present the appearance of an immense asparagus, twenty-five to thirty feet high. It is represented here with its branches and *fronds*, which bear some resemblance to the leaves of the ginkgo. The bud, as represented in the figure, is terminal, and not axillary, as in some of the Calamites.

If, during the Coal-period, the vegetable kingdom had reached its maximum, the animal kingdom, on the contrary, was poorly represented. Some remains have been found, both in America and Germany, consisting of portions of the skeleton and the impressions of the footsteps of a Reptile, which has received the name of *Archegosaurus*. In Fig. 68 is represented the head and neck of *Archegosaurus minor*, found in 1847 in the coal-basin of Saarbruck, between Strasbourg and Trèves. Among the animals of this period we find a few Fishes, analogous to those of the Devonian formation. These are the *Holoptychius* and *Megalichthys*, having jaw-bones



Fig. 64.—*Calamites cannæformis*.
One-third natural size.