like the overlying dark limestones, is not used for the more important building purposes, must have been, when recent, a chalky rock, made up of very minute fragments of shells and corals; but it has been blackened by the carbonization of its organic matter, and hardened by the penetration of a calcareous cement; still its general structure under the microscope is not dissimilar from that of chalk. It contains multitudes of minute unbroken shells, some of which have much the aspect of foraminifera, as may be seen in Fig. 1; but they may possibly be univalve mollusks. I

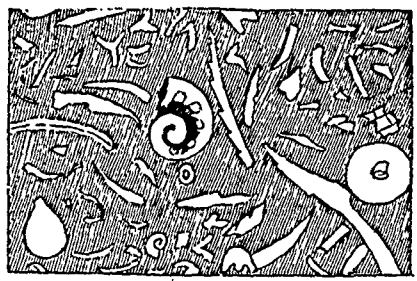

Fig. 1.—*Earthy Trenton Limestone, Montreal,* (20 *diams.*)

hope, however, by the examination of a larger number of specimens, to determine whether minute foraminifera really occur in these ancient beds.

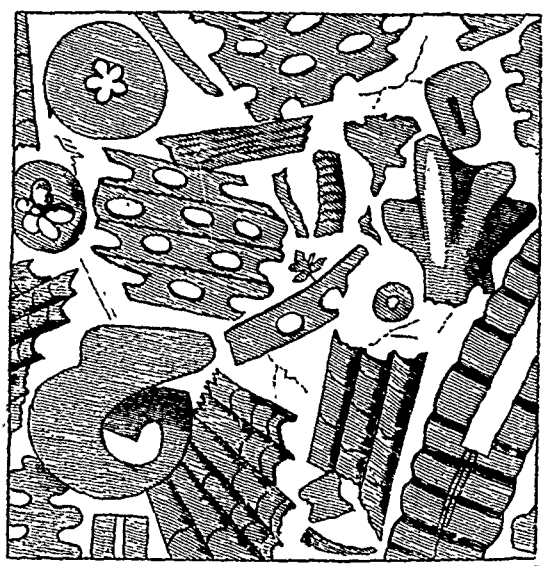

Fig. 2.—*Crystalline Trenton Limestone, Montreal, horizontal section,* (10 *diameters.*)

In the coarse grained variety the materials are somewhat loosely placed, and in a horizontal section like Fig. 2, may appear quite