

superficial, and do not intersect the diaphragms to form continuous vertical leaves. The number of lamellæ in calyces of about two and a half inches diameter is 150 to 160, half of which are of the smaller size. Found in the upper Helderberg limestones of Michigan, Canada, Ohio, and in the Western States."

*Locality and formation.*—At Rama's farm, Cayuga, and at other localities in Ontario; Corniferous formation.

*ZAPHIRENTIS MINAS*, Dawson.

*Zaphrentis Minas*, pars, Dawson. 1868. *Acadian Geology*, second edition, p. 286 (small specimens,) fig. 84a.

Corallum simple, turbinate, small, slightly curved, about twice as long as broad, pointed below and obscurely marked transversely by low accretion ridges. Epitheca complete, with distinct longitudinal septal furrows and fine, close-set, transverse growth lines shewing on the surface. Calyx deep, with thin vertical walls and a moderately flat bottom, the depth equal to more than one-half the width. Tabulæ rather irregular, crossing from side to side, with minor incomplete tabulæ at times resting on the principal ones. Septa, from about sixty-five to seventy-five in number, alternately long and short, the long ones passing to the centre, the remainder only about 1 mm. in length; on the walls of the calyx the primaries are reduced to thin sharp edged ridges and the secondaries become almost obsolete. Fossette of moderate depth, extending outward to the wall on the flat or concave side of the coral.

The figure accompanying the original description does not convey a correct idea of the depth and form of the calyx; the specimen from which the drawing was evidently made is 40 mm. in length along the convex curve, about 23 mm. in maximum breadth near the top and the calyx, as seen in a longitudinal section of the corallum, is about 12 mm. deep.

*Locality and formation.*—West River, Pictou, N.S., collected by Professor How; lower Carboniferous formation. Two small specimens and the basal extremity of a third the property of the Redpath Museum, McGill University, Montreal.