

They afford little indication of climate. *Miliolina seminulum*, for instance, extending in the present seas from Greenland to Cuba. With respect to depth of water, their indications are probably more precise, though on this subject I can find little reliable information. One fact is certain, that in Gaspé at present, a depth of 10 to 20 fathoms corresponds bathymetrically, in so far as these creatures are concerned, with that represented by the upper layers of the Leda clay, or brick-clay of Montreal. I have obtained, however, at least one indication that there are still lower depths, not represented as yet by the fossils of our tertiary deposits.

I owe to the kindness of Capt. Orlebar, R.N., two small specimens of fine clay, taken up by the sounding-lead from depths of 187 and 196 fathoms, off Mount Camille, near Bic Island, in the River St. Lawrence. On carefully levigating these specimens, I found in them three species of Foraminifera, all distinct from those of the tertiary clays and of Gaspé, and the silicious shields of a number of microscopic plants (*Diatomacæ*). The Foraminifera I refer to the following species:—

*Rotalina turgida*, Williamson. (Fig. 20.)

*Spiroloculina depressa*, D'Orbigny. (Fig. 21.)

*Bulimina auriculata*, Bailey. (Fig. 22.)

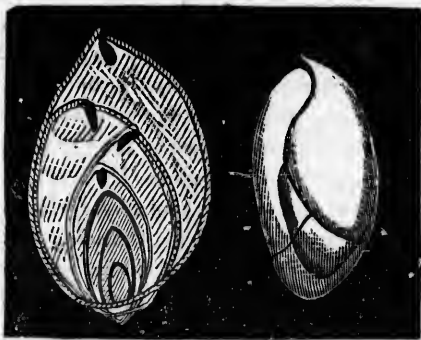


Fig. 22.