

genus includes three English species, which have been long known under the names of *Pentamerus lens*, *P. liratus*, and *P. levis*." I was aware that the *P. levis* of J. Sowerby was the young of *P. oblongus*, and supposed that the name had become obsolete as to its first application. In that case *Spirifera? levis*, J. de C. Sowerby, which was a true *Pentamerus*, as the genus was then understood, became *P. levis*. That this is the one I had in view may be seen by the remark quoted from my Pal. Foss., p. 84, by Mr. Davidson in his "Monograph," p. 158. The sentence is irregular; but it was intended to read thus, "The hinge-line in some of the species, such as in *S. levis* and *S. microcamerus*, is straight and much extended."¹ This could not possibly apply to the original *P. levis*, which has no hinge-line at all; but it does apply to the figure of *Spirifera? levis* above cited. There is not the slightest trace of any of the generic characters of *Stricklandinia* in J. Sowerby's figure of *P. levis*, and it is impossible that I could have intended to include it in my genus. Several years before I proposed *Stricklandinia* I was under the impression that *P. levis* was the young of *P. oblongus* from comparing our own specimens, one of which I have figured (Fig. 3); and in 1858 I was informed, I think by Mr. Salter, that it was so regarded in England.

EXPLANATION OF PLATE IV.

- Fig. 1.—*Stricklandinia Davidsoni*, ventral valve; 1a, dorsal valve; 1b, cardinal extremity; 1c, side view; 1d, cardinal view of a small specimen, with beaks ground off to show the chamber and septa.
 Fig. 2.—*Stricklandinia Salteri*, ventral valve, the right-hand cardinal angle restored. 2a, ventral valve, both cardinal angles restored.
 Fig. 3.—Young of *Pentamerus oblongus*, from the Niagara limestone at Cockburn Island, Lake Huron. When I read the paper on *Stricklandinia* in March, 1859, I exhibited to the Natural History Society of Montreal a specimen just like this, only a little larger, in order to show the difference between *Pentamerus* and *Stricklandinia*.—E. B.