

them on the upper surface of the plate α . There is one small, deeply grooved facet in the middle, and another rather smaller immediately to the right of this. The right and left slopes of anal α have larger curved facets, of which that on the left still bears a fragment of the succeeding tube-plate. Two small similar facets are clear on the adjacent slope of left posterior radial and one at all events is to be made out on right posterior radial. These facets are surrounded by a slightly elevated rim, so that their size and position are well defined. The arrangement of the tube-plates of the proximal row must therefore have been very like that of *Botryocrinus ramosissimus*, as figured in 'Crinoidea of Gotland' I, pl. v, fig. 164.

Among all specimens of *Botryocrinus* hitherto examined, this is the only one in which the greatest width of the cup is less than the height. This fact and the bell-shape of the cup certainly warrant the retention of the species.

Botryocrinus americanus.

Botryocrinus americanus, R. R. Rowley, 1904, Greene's 'Contrib. Indiana Palaeont.', Part XVIII, p. 184, pl. lv, ff. 12-14.

Dorsal cup spreading out rapidly from the narrow column, then ascending with approximately straight sides; all plates somewhat tumid, especially BB, which have wart-like prominences in their lower part. Height of cup (as drawn 81—86 mm.), 100; diameter of column (2.3 mm.) 27; width at bottom of BB and top of RR (circa 9.5 mm.), 113. IBB low as seen from the side, but their length is greater than their width. BB higher than wide. RR (except perhaps the two posterior) slightly wider than high. Arm-facet more than .5 of R. Number of tube-plates supported by α uncertain. Proximal columnal circular.

Middle Devonian, Hamilton Group, near Charlestown, Ind.

Holotype in collection of G. K. Greene, New Albany, Ind.

Professor Rowley's clear description unfortunately omits a few details that would have helped to complete the present diagnosis.*

*Mr. Greene would, I am confident, have acceded to my request to borrow the holotype for examination; but, as I regret to learn from Prof. Rowley, illness has prevented him from attending to business for some months. 10th July, 1906.