

EXPLANATION OF PLATE IV.

- Fig. 1. Adult specimen with no plications, from *Prasopora* beds, Ottawa, Ont.
 " 2. Average specimen with no plications, from *Prasopora* beds, Ottawa, Ont.
 " 3. Adult specimen with one plication, from *Prasopora* beds, Ottawa, Ont.
 " 4. Average specimen with one plication, from *Prasopora* beds, Ottawa, Ont.
 " 5. Specimen with one plication, from Indian Lorette, Que.
 " 6 and 7. Specimens with two plications, one primary and one implanted at a later stage of growth, from *Prasopora* beds, Ottawa, Ont.
 " 8, 9, and 10. Specimens with two plications, formed by the bifurcation of one primary one, from the *Prasopora* beds, Ottawa, Ont.
 " 11 and 12. Specimens with two plications, formed by implantation, from the *Prasopora* beds, Ottawa, Ont.
 " 13 and 14. Specimens with three plications, one primary, two added later by implantation, from the *Prasopora* beds, Ottawa, Ont.;
 " 15. Specimen with three plications, one central primary one which is bifurcated, the third being implanted, from the *Prasopora* beds, Ottawa, Ont.
 " 16. Specimen with three plications, two primaries, one implanted later, from the *Prasopora* beds, Ottawa, Ont.
 " 17, 18, and 19. Specimens with three plications, two primaries one of which bifurcated, from the *Prasopora* beds, Ottawa, Ont.
 " 20 and 21. Specimens with three plications, two primaries one of which bifurcated, from the Fifth Avenue horizon, Ottawa, Ont.
 " 22. Specimen with three plications, one primary one which has apparently later divided into three, from the *Prasopora* beds, Ottawa, Ont.
 " 23. Specimen with three plications formed simultaneously, from the *Prasopora* beds, Ottawa, Ont.
 " 24. Specimen with three plications, one primary which has bifurcated, a third added later by implantation. The centre plication is about to bifurcate. From the *Prasopora* beds, Ottawa, Ont.
 " 25. Specimen with three plications, strong centre plication apparently about to bifurcate, initial stages obliterated, from the *Prasopora* beds, Ottawa, Ont.
 " 26. Specimen with numerous side plications, from the Fifth Avenue horizon, Ottawa, Ont.
 " 27. Specimen with four plications, formed from two by double but not simultaneous bifurcation, from the *Prasopora* beds, Ottawa, Ont.
 " 28. Specimen with four plications, three formed simultaneously one implanted later, from the *Prasopora* beds, Ottawa, Ont.
 " 29. Specimen with four plications, central one bifurcated two implanted later at intervals, from the *Prasopora* beds, Ottawa, Ont.
 " 30. Specimen with numerous side plications, from the Fifth Avenue horizon, Ottawa, Ont.
 " 31. An average specimen with four plications from the *Prasopora* bed, Ottawa, Ont.
 " 32. Specimen with five plications, formed by bifurcation and implantation, initial stages obliterated, from the Fifth Avenue horizon, Ottawa, Ont.
 " 33. Specimen with five plications, two strong ones, from the *Prasopora* beds, Ottawa, Ont.
 " 34. Specimen with numerous side plications, from the Fifth Avenue horizon, Ottawa, Ont.
 " 35. Specimen of *Parastrophia. reversa* (Billings) from Anticosti. Two plications formed from one by bifurcation.
 " 36. Specimen of *P. reversa* (Billings) from Anticosti. Two plications formed simultaneously.
 " 37. Specimen of *P. reversa* (Billings) from Anticosti. Three plications, two formed simultaneously the third implanted later.
 " 38. Specimen of *P. reversa* (Billings) from Anticosti. Three plications, one being bifurcated.
 " 39. Specimen of *P. reversa* (Billings) from Anticosti. Four plications formed simultaneously.