

DESCRIPTION OF PLATES.

PLATE I.

[NOTES RESPECTING PLATE I.—Fig. 4, which is referred to *Orbicula* is an outside cast in a very soft slate; it has been impossible to determine the texture of the shell. It resembles an *Ancylus* in shape and direction of the apex, but there are no certain marks by which I can determine whether the apex is directed forwards or backwards. It will probably prove to be a *Helcion*.

Fig. 9. I have allowed to stand as in the text a *lingula*, but the state of the valve at the umbo and the delicacy of the fossil, and the softness of the rock has raised a doubt in my mind respecting its perfection.]

- Fig. 1. *Cypricardia*.
2. Lateral view of the mouths of cells of an indeterminate species.
3. *Diplograpsus*.
4. *Orbicula excentrica*.
5. *Diplograpsus dissimilaris*.
6. *Nemagrapsus elegans*.
7. *do* *capilaris*.
8. *Microdiscus quadricostatus*.
9. *Lingula* ?
10. *Obolus* ?
11. *Diplograpsus secalinus*.
12. *Cladograpsus* sp. indet.
13. *Diplograpsus foliosus*.
15. *Cladograpsus dissimilaris*.
16. *Atops trilineatus*.
17. *Lingula striatus*.
18. *Eliptocephalus asaphoides*.
19. *Diplograpsus ciliatus*.
20. *Glossograpsus setaceus*.
21. *Staurograpsus dichotomous*.