

the Wealden.* I shall reserve my remarks upon the important aid these fossils afforded in the determination of the fluviatile origin of the Wealden, for our *Excursion to Tilgate Forest*.

CYCLAS. *Wond.* p. 350. *Ly.* I. p. 61.—Another genus of fresh-water bivalves is termed *Cyclas*, of which there are ten species in the Wealden formation: and, with the exception of four or five recent forms, which occur in the tertiary fresh-water strata, none others have been found in England.† The shells of the genus *Cyclas* are oval, transverse, equivalved bivalves, with the hinge-teeth very small: the substance of the shell is thin and fragile; the figures in *Wond.* and *Ly.* accurately represent the appearance of the fossil *Cyclades* of the Wealden, and tertiary strata. Entire layers of two or three species of these shells occur in the argillaceous deposits of the Wealden, generally in a friable state, but from among the masses of crushed shells, perfect specimens may be obtained, and sometimes with the remains of the epidermis and ligament. The hard stone, termed calciferous grit, in the neighbourhood of Hastings, Tilgate Forest, Horsham, and other places in the Weald of Sussex, abounds in casts of

* They are figured in *Geol. S. E.* p. 250; and in *Dr. Fitton's Memoir, Geol. Trans. Vol. IV.* pl. 21.

† *Cyrena*, is a genus so nearly related to *Cyclas*, that it is difficult to distinguish them, and it will be convenient to retain only the former name.