

the Wisdom in which such exquisite contrivances originated, and setting forth the Providence and Care of the Creator, in regulating the structure of every creature of his hand.

SECTION V.

NAUTILUS SYPHO, AND NAUTILUS ZIC ZAC.

THE name of *Nautilus Sypho** has been applied to a very curious and beautiful chambered shell found in the Tertiary strata at Dax, near Bourdeaux ; and that of *Nautilus Zic Zac* to a cognate shell from the London Clay. (See Pl. 43, Figs. 1, 2, 3, 4.)

These fossil shells present certain deviations from the ordinary characters of the genus *Nautilus*, whereby they in some degree partake of the structure of an *Ammonite*.

These deviations involve a series of compensations and peculiar contrivances, in order to render the shell efficient in its double office of acting as a float, and also as a defence and chamber of residence to the animal by which it was constructed.

Some details of these contrivances, relating

* This shell has been variously described by the names of *Ammonites Atun*, *Nautilus Sypho*, and *N. Zonarius*. (See M. de Basterot. Mem. Geol. de Bourdeaux.)