

maintains the health and life of the whole ; the great doctrine of *vicarious suffering* forms an article of physical science ; and we discover, standing even upon this basis, that the sufferings and death of one being may be, in the Divine counsels, and consistently with what we know of the general operations of Providence, the cause and instrument of the spiritual life and final salvation of infinite hosts of others. Thus does the animal kingdom, in some sort, PREACH THE GOSPEL OF CHRIST.

CHAPTER XVI.

FUNCTIONS AND INSTINCTS. MYRIAPOD CONDYLOPES.

THERE are two Classes of Condylopes, extremely dissimilar in their external form and the number of their legs, and yet in some respects related to each other, at each of which we may be said now to have arrived ; both are almost exclusively terrestrial, and both remarkable for their ferocious aspect ; the one the analogue of the *crab*, and the other apparently related to the Isopod Crustaceans, the *oniscus* and *armadillo*. It will be easily seen that I am speaking of the *Arachnidans* and *Myriapods*.

Regarding, therefore, the long-tailed Decapod Crustaceans as leading, by the Order of Isopods which we last considered, towards the *Myriapods*, and the short-tailed ones or crabs, as tending towards the *Arachnidans* ; I shall give a brief account of the former of these Classes in the present chapter ; and I am the more induced to assign them precedence because of their evident connection with certain *Annelidans*, which indeed Aristotle, and other ancient