

formation—strange forms of animal life had been discovered ; forms which in their turn had disappeared, to be succeeded by others, more in accordance with beings now living. He came to know that he was surrounded, in his native mountains, by the sedimentary deposits of other ages ; he became alive to the fact that these grand mountain ranges had been built up grain by grain in the bed of the ocean, and the mountains had been subsequently raised to their present level by

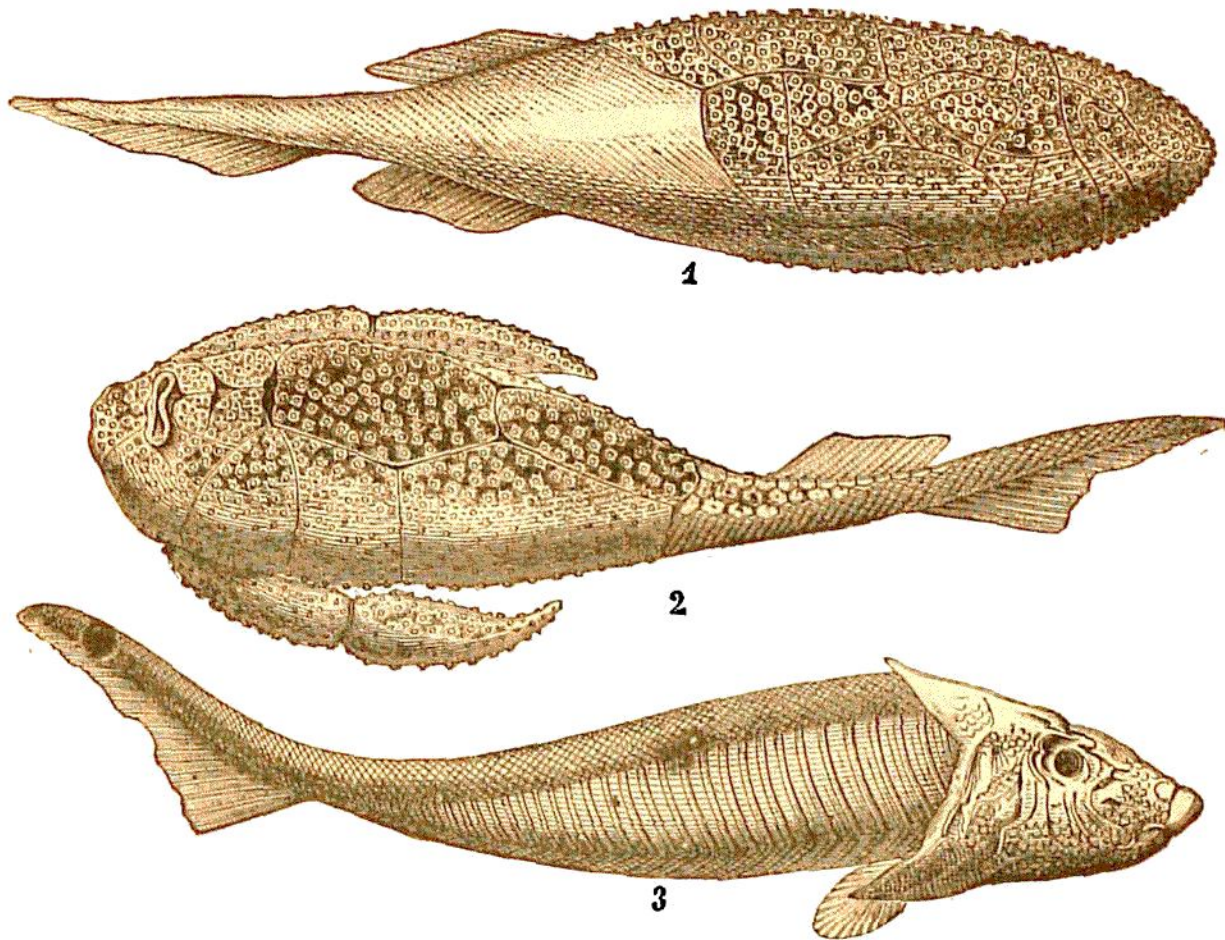


Fig. 31.—Fishes of the Devonian Epoch. 1. *Coccoosteus*, one-third natural size. 2. *Pterichthys*, one-fourth natural size. 3. *Cephalaspis*, one-fourth natural size.

the upheaval of one part of its bed, or by the subsidence of another. The young geologist now ceased to wonder that each bed, or series of beds, should contain in its bosom records of its own epoch ; it seemed to him as if it had been the object of the Creator to furnish the inquirer with records of His wisdom and power, which could not be misinterpreted.

Among the Fishes of Old Red Sandstone, the *Coccoosteus* (Fig. 31, No. 1) was only partially cased in a defensive armour ; the upper part of the body down to the fins was defended by scales. *Pterichthys* (No. 2), a