

DESCRIPTION OF PLATE VI.

Illustrative of the structure of Fossil Teeth.

- Fig. 1^a.—Tooth of *Psammodus porosus*, from the Oolite. See p. 617.
- 1^b.—Vertical section, a portion $\times 75$ linear.
- 1^c.—Transverse section of the same, $\times 75$.
- 2^a.—Tooth of *Ptychodus polygurus*, from the Chalk, near Lewes. See p. 616.
- 2^b.—Portion of longitudinal section, $\times 20$.
- 2^c.—Portion of transverse section, $\times 20$.
- 3^d.—Tooth of the *Labyrinthodon Jægeri*, from the New Red sandstone near Wirtemberg; half the natural size: the specimen presented by Dr. Jæger. See p. 786.
- 3^a.—A moiety of a transverse polished section, $\times 20$.
- 3^b.—Portion of a vertical section near the apex, $\times 20$.
- 3^c.—One of the anfractuosités of fig. 3^a $\times \times$.
- 4^a.—Crown or upper portion of a tooth of a young *Iguanodon* from Tilgate Forest. See p. 743.
- 4^b.—Portion of a vertical section of the above, $\times 20$.
- 4^c.—A small portion of a transverse section of the same, $\times 20$.
- 5.—Tooth of *Goniopholis*, Tilgate Forest: half the natural size. See p. 721.
- 6^a.—Tooth of a reptile (probably of the *Hylæosaurus*) from Tilgate Forest; half the natural size. See p. 738.
- 6^b.—Portion of a vertical section of the same, $\times 20$.
- 7^a.—Tooth of *Megalosaurus* from Tilgate Forest. See p. 733.
- 7^b.—Portion of a vertical section of the same, $\times 10$.
- 8.—A very small portion of a vertical section of a tooth of *Dendrodus*, (Professor Owen). See p. 653.
- 9.—Portion of a transverse section of the base of a tooth of *Ichthyosaurus*, $\times 20$. (Professor Owen). See p. 710.
- 10^a.—Tooth of *Lepidotus*, Tilgate Forest. See p. 639.
- 10^b.—The upper figure is a transverse section, and the lower a vertical section of the same, $\times 20$.