

FIG.

150. Comatula, a West India species, in its early stage, with its stem
 151. The same detached, and swimming free.
 152. Longitudinal section of the sturgeon, to show its cartilaginous vertebral column.
 153. Amphioxus, natural size, showing its imperfect organization.
 154. Section of the earth's crust, to show the relative positions of the rocks composing it; *E*, plutonic or massive rocks; *M*, metamorphic rocks; *T*, trap rocks; *L*, lava. 1. Lower Silurian formation; 2. Upper Silurian; 3. Devonian; 4. Carboniferous; 5. Trias, or Saliferous; 6. Oolitic; 7. Cretaceous; 8. Lower Tertiary or Eocene; 9. Upper Tertiary, or Miocene, and Pleiocene; 10. Drift.
 155. Fossils of the Palæozoic age; *a*, *Lingula prima*; *b*, *Leptæna alternata*; *c*, *Euomphalus hemisphericus*; *d*, *Trocholites ammonius*; *e*, *Avicula decussata*; *f*, *Bucania expansa*; *g*, *Orthoceras fusiforme*; *i*, *Cyathocrinus ornatissimus*, Hall; *j*, *Cariocrinus ornatulus*, Say; *k*, *Melocrinus amphora*, Goldf.; *l*, *Columnaria alveolata*; *m*, *Cyathophyllum quadrigeminum*, Goldf.; *n*, *o*, *Caninia flexuosa*; *p*, *Chætetes lycoperdon*.
 156. Articulata of the Palæozoic age; *a*, *Harpes*; *b*, *Arges*; *c*, *Brontes*; *d*, *Platynotus*; *e*, *Eurypterus remipes*.
 157. Fishes of the Palæozoic age; *a*, *Pterichthys*; *b*, *Coccosteus*; *c*, *Dipterus*; *d*, palatal bone of a shark; *e*, spine of a shark.
 158. Representations of the tracks of supposed birds and reptiles in the sandstone rocks.
 159. Supposed outlines of *Ichthyosaurus*, (*a*,) and *Plesiosaurus*, (*b*,)
 160. Supposed outline of *Pterodactyle*.
 161. Shells of the Secondary age; *a*, *Terebratula*; *b*, *Goniomya*; *c*, *Trigonia*; *d*, *Ammonite*.
 162. Supposed outline of the cuttle-fish, (*a*,) furnishing the Belemnite.
 163. Radiata from the Secondary age; *a*, *Lobophyllia flabellum*; *b*, *Lithodendron pseudostylina*; *c*, *Pentacrinus briareus*; *d*, *Pterocoma pinnata*; *e*, *Cidaris*; *f*, *Dysaster*; *g*, *Nucleolites*.
 164. Shells of the Cretaceous formation; *a*, *Ammonites*; *b*, *Crioceras*; *c*, *Scaphites*; *d*, *Ancyloceras*; *e*, *Hamites*; *f*, *Baculites*; *g*, *Turrilites*.
 165. Shells of the Cretaceous formation; *a*, *Magas*; *b*, *Inoceramus*; *c*, *Hippurites*; *d*, *Spondylus*; *e*, *Pleurotomaria*.
 166. Radiata from the Cretaceous formation; *a*, *Diploctenium cordatum*; *b*, *Marsupites*; *d*, *Galerites*; *c*, *Salenia*; *e*, *Micraster coranguinum*.
 167. Nummulite.
 168. Supposed outline of *Paleotherium*.
 169. Supposed outline of *Anoplotherium*.
 170. Skeleton of the *Mastodon*, in the cabinet of Dr. J. C. Warren.