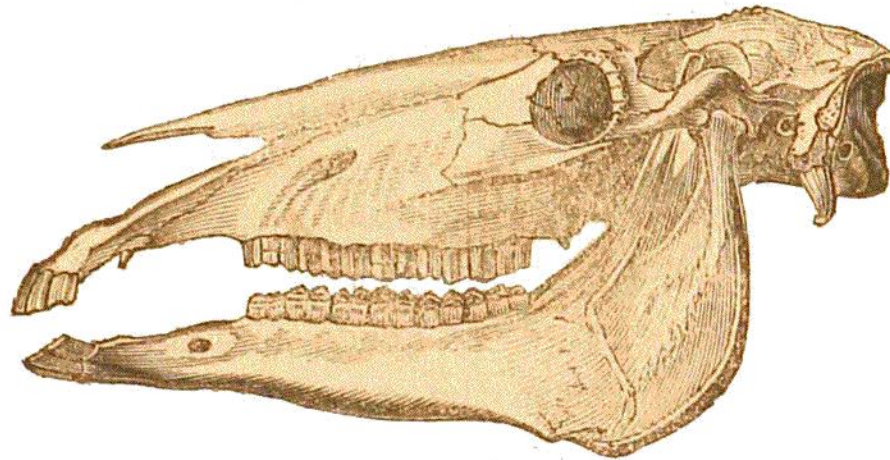


on the top of the teeth as in the carnivora, but arranged in deep vertical layers, alternating with bony matter; and this arrangement, in all states of the teeth, secures a rough grinding surface, as in the horse and the elephant. The flat molar teeth



TAB. 20.—SKULL OF THE HORSE.

are not formed for cutting, but for mastication, and the jaws are loosely articulated together so as to allow of a grinding movement: had the socket and corresponding part of the jaw been the same as in the tiger, the tooth could not have performed its office. Again, I might proceed in the argument, and show the adaptation of the muscles of the head to the apparatus here described; and beginning with the jaw, review the whole animal frame, and demonstrate how all its parts are alike wonderfully constructed and fitted together, to perform the functions necessary for the being to which it belongs.