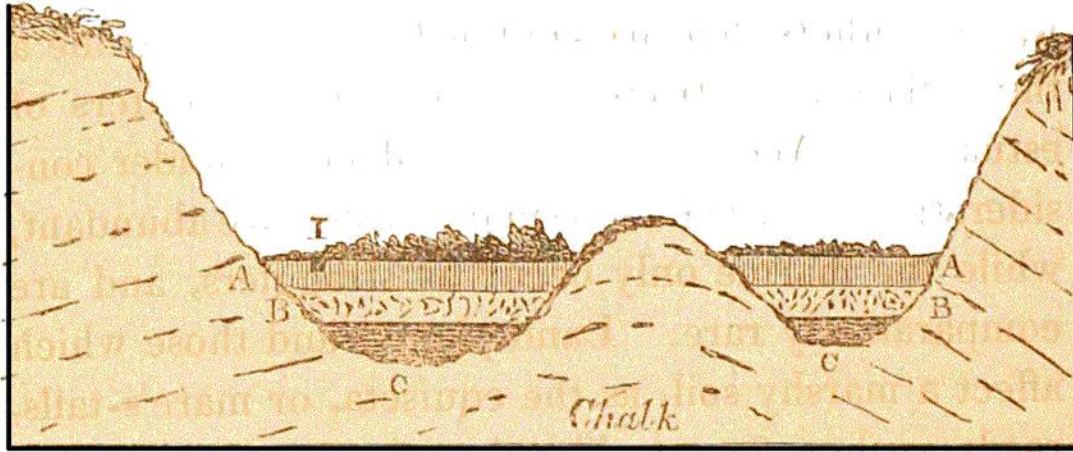


Here we have a depression (or *basin*, as it is termed by geologists) of the chalk, partially filled



TAB. 7.—VERTICAL SECTION OF LEWES LEVELS.*

up by layers of indurated mud or silt, the surface of which is clothed with verdure; the bed of the river (I.) is situated near the eastern chalk cliffs. The deposits which repose on the chalk are as follow:—

1. A bed of peat about five feet in thickness: formed of decayed twigs and leaves of the hazel, oak, birch, &c. inclosing trunks of large trees.
2. (A. A.)—Blue clay, or indurated mud, containing several species of fresh-water shells, like those which now inhabit the river and ditches; with numerous *indusiæ*, or cases of the larvæ

* A *geological section* represents the internal structure of the earth on any given line, in a vertical direction; and is either (1) *natural*, as seen in cliffs, precipices, &c.; (2) *artificial*, as in quarries, tunnels, and other excavations; or (3) *ideal*, when constructed from combinations of observations on the position of strata in various localities.