



PLATE V.—Interior view of an underground system of ventilation designed by S. McKenna. This system is especially valuable in curing heavy bodied tobacco. The cold air enters the tile at *A* (Plate 5) coming up into the barn at *B* directly under the flue and is heated before coming in contact with the tobacco. Each tile shown in Plate 5 leads to a different opening in the floor, and, as there are eight of these lines of tile on each of the two sides of the barn, there are sixteen of the openings shown in Plate 6 in the floor of the barn.



PLATE VI.—An exterior view of the kiln.

Note the small tile in the wall at *C*, which is an additional means of ventilation, but insufficient when not supplemented with other ventilators.