As to the subject of foundations, whether for this or any other sort of Bridge, or building, it matters not; one fact will be alike certain, namely that different situations produce, in general, different degrees of sound or unsound strata, which at times the architect is obliged to build on. For instance, it often occurs that one side of a river supplies a foundation of solid rock, while the opposite shore is nothing better than a bed of soft mud or a bank of loose sand, to build on; which from time to time has been drifted from some neighbouring part of the river through a change of the current, or some other cause or causes incident to rivers, especially where the channel thereof is crooked. The incapability of such infirm strata affording equal resistance to the pressure, which buildings by their grav-

This subject being among the number of valuable considerations which the author’s attention has long since been called to explore, he intends to dilate more fully on this subject in a contemplated treatise on civil and marine architecture, including the practice of landscape-gardening suitable to this country, as also the best and only sure plan of making sound turnpike-roads over bogs, or unsound strata, and which plan he doubts not will, on the first trial, seal the final reprobation of those unskilful and expensive methods, which have so long been in practice amongst us. One of these sorry schemes has been tried for many years, to the injury of the public, across the swamps on the road from Powles-hook to Newark. In the said treatise the author will include an entire new and interesting plan for Canals, on a more simple construction and perfection of strength than any heretofore suggested, and shall as above hinted point out particularly the nature and tendency of different infirm strata, as also some sure remedies furnished alone by art and experience.