

have been employed about the machine, should be allowed to pull it to pieces to study its construction? He may indeed wish to do this for many reasons; but for all the purposes of ascertaining the existence of counsel and design in the formation of the machine, he wants no such intromission or privity. What he sees is sufficient. The effect upon the material, the change produced in it, the utility of that change for further applications abundantly testify, be the concealed part of the machine, or of its construction what it will, the hand and agency of a contriver."*

We have thus attempted to point out the rank which chemistry holds among the departments of human knowledge, and the kind of evidence which it furnishes in favour of design: the whole argument may be briefly recapitulated as follows:—chemistry is a department of knowledge founded solely on experience, for the phenomena of which we can assign no reason. But although the intimate nature of its changes be unknown to us, we see them manifestly directed to certain ends; hence, as objects directed to certain ends, where the whole of the intermediate phenomena can be traced and understood, always imply design; we naturally infer design in others obviously so directed, even although

* Natural Theology, chap. vii. condensed slightly, but the argument strictly adhered to.