

. have established for ever a true and lawful marriage between the empirical and the rational faculty [in other words, between knowledge based on practical experience and knowledge based on logic]. . . . I contrive [declare] that the office [role] of the sense[s] shall be only to judge the experiment, and that the experiment itself shall judge the thing [should be the judge of the truth or success of an hypothesis]. . . . Those . . . who aspire not to guess . . . but to discover and know; who propose not to invent . . . fabulous worlds of their own, but to examine and dissect the nature of this very world itself; must go to facts themselves for everything. . . .

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For man[kind] is but the servant and interpreter of nature; what he does and what he knows is only what he has observed of nature's order. . . .

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