

cause of any motion in other motions which have preceded it, and to calculate its quantity and direction from the quantity and direction of the preceding motions and the masses implicated. The term Force has been at once defined and supplanted by a definite quantitative relation of mass and velocity, and it has even been suggested that the word itself, which implies a spiritual agency, should be discarded from the vocabulary of mechanics.

Unfortunately, in effecting this clearance of ideas, a new term had to be introduced to denote the quantity of motion in any special case. This term, Energy, introduced another non-physical notion, taken from our mental experience, and this suggested the confusion of mental and physical energy. Whilst Herbert Spencer still laboured under a confused notion of Force in stating his well-known principle of the "Persistence of Force," Ostwald, on the other side, has been misled by the term Energy into treating psychical or mental energy in the same way as we deal with physical energy.

Another example of the transference of notions applicable only to mental phenomena is to be found in the expression, the Laws of Nature. We are told that the Laws of Nature cannot be broken, that they are inexorable. These expressions are taken from human life, individual and social.

The behaviour of individual persons as well as of a society of persons is something different from the command which should regulate the former, or the enactments of Law which should govern the latter. In both cases an Authority exists outside of the acting person or persons.