

observing his conduct and finding it in accord with his good environment, and we know his conduct is the outcome of force or phenomenon of his *materia cogitans*. So the immoral criminal fool shows what he is by his conduct, and we know that his conduct is also the outcome of the forces or phenomena of his *materia cogitans*. In the one case there is normal structure and function of the *materia cogitans*, causing right action. In the other case, there has been abnormal structure and function of the *materia cogitans*, causing wrong action. This is the ethical explanation of right and wrong. From a physical standpoint, morality and intelligence are the product of one ; immorality and folly the product of the other. This is a law which governs all matter ; all its phenomenon or force depends for its characteristic upon its mechanical and chemical structure, and the highest knowledge we can possibly attain to is the knowledge of matter and its phenomena. Matter in all its different degrees ; phenomena in their numerous and varied forms.

As physical scientists, we cannot help recognizing that all criminals are fools, whether it be due, in each particular case, to teratological or pathological defect in the person's *materia cogitans*. If from pathological defect we term the person a maniac, if from teratological defect we term such a person an imbecile or fool, the fool or imbecile has never been anything else but a fool or imbecile, because of teratological defect ; and his degree of imbecility will depend upon the deformity or teratological defect in his *materia cogitans*. If the imbecile be young, his *materia cogitans* may improve by growth and development, so that he may cease to be a fool, and grow up to be a moral man. But if he has outlived the age of development, and be an immoral criminal fool, such is he likely to remain to the end of the chapter, to be a curse to all whom he comes in contact with. Such fools are to be found in all the different grades of society, as society is graded. It is quite different with the insane or maniacal fools. They have lost something which they possessed—their intelligence ; lost it by pathological defect in their *materia cogitans*. They should be treated with the most scientific care, with the object of restoring the abnormal organ