

his normal instinctive, automatic and reflex centres and their functions. The functions of these centres can be normal while the functions of the intellectual centres are abnormal. But these centres have no inhibitory nerve centre to control their functions and consequent conduct, because the nerve centre, which, by its inhibitory function, controls man's general conduct, comes from the organ of intelligence, so that conduct to be moral, must be intelligent and moral—that is, under the control of the intellectual nerve centre in virtue of its inhibitory function.

The drunken man, who is intellectually a fool, will escape such extraordinary dangers, have such narrow escapes of his life, protected by his lower centres, particularly the functions of his instinctive centres, that it appears to the ignorant and superstitious to be miraculous, which has given origin to the old saying that there is a special providence to watch over and care for the drunken man.

From closely observing the foregoing physical laws which governs our organisms, particularly our higher nerve centres and the nerve circulation of molecular force, we can understand that an intellectual man must necessarily be a moral man, and that an immoral criminal is a fool—a fool because wanting in intelligence, wanting in inhibitory nerve force, his conduct is the outcome of the functions of his instinctive, automatic and reflex nerve centres, and possessing these centres, together with the sympathetic and emotional, and all their functions, there is no reason why such a fool should not also be a cunning knave, and pass for a smart business man who can dupe and get money even out of the most intelligent men by appealing to their sympathy.

Notwithstanding the fact of the increase of insanity, or pathological defect in the higher nerve centres, no doubt chiefly due to their low organization, yet there is hardly a case that the general practitioner is called upon to treat that is not in some way connected with the lower nerve centres or their peripheral branches. The lower nerve centres in man, and in the whole animal kingdom, are the first evolved, and necessarily the highest organized; and all other things being equal, they are the last