logists, derangement of mind involves disor der of its matorial instrument. Dr Beck, is bis Medical Jurisprudence, says: "canses o insanity are usually divided into physical ans moral, or borlily and mental; but a soparation of this kind is not conducive to just views of the disease. Insanity is essentially a bodil? disease, and the moral causes operato in pro ducirg it as they do in producing other complaints."

We gather from these, and uumerous other facts of a smilar nature which I have not space to mention, that when the mind acts naturally, it is because the changes within the braingo on in a normal way, and that a perverted material organ proluces corresponding derangement of mind. Accompanying every thought, each act of the recollection, or of the reasoning and imaginative and cmotional powers, there is a cortain kind and amount of material transformation which is essential to these mental arts; and any agent or force brought to bear upon the brain, which arests or modifies or hinders these material changes, necessarily disturbs and perserts the mental operations. This fact of the essential dependence of mental processes unon cerebrial tautations, we are too much inclined to overlook. We regard the mind's acts alone, abstracted from all their conditions, separated from the corresponding naterial acts upon which they depend. We have such a habit of contrasting mind and matter-of considering them as separate and even antagonist forms of being -that we, as it were, detach our conceptions of mental existence andiaction from their vital cendexions. Halistuated to conceive ofmind in its final and highest destiny as disincumbered of matter, we neglect the inexorable fact that such is not its condition here and now. As children, when out at play, are utterly unconscious of that lever-action of bonts, the contractility and spring of muscles, and the lightning despaches that are continually flying in all directions over the nerve wires from bead quarters to the hands, feet, tongue, lips, eyes,and the whole mobile and sensitve systers, so we are all apt to forget that when we think, and hope, and reflect, and wish, and remember, and calculate, or exert the mind in any way, we are really spinning the wheel-work of that most complicated and wonderful of all machines, that masterpicec of Divine Invention, the human brain. I do not affirm that intellectual operations originate or consist in material cbanges of the brain, but only that, $i n_{1}$ the present state of existence, the mental principle cannot act except tbrough its organ, by which such changes necessarily occur. The fact is undeniable, that, in this stage of being, the Creator has so woven the mental element into brain tissue that the former cannot work except through the latter, and in accordance with its laws.

Let us consider the practical import of these facts: A man, for example, moving free in society, discharges his duties and regulates all his conduct properly. We at once refer this course of action to his will and say that he chooses it. This is true, but it is not the whole truth. That right action of his mind rests for its basis upon a sound brain-that is, a brain in such a condition of harmonious and rapid physiological change as makes this course of thought and artion possible. In anothe instance be may take advantage of his liberr! to commit wrong and inflict injury upon others, and we thon attribute his course to a depraved will. But here again we must go further back to that state of the mind's organ
which permitted the freedom of choice, for he liherty of volition depands upon a proper ondition of the instrument of thnught. Or, n still another instance, brain derangement nay annihilate the free action of the voluntary facultins, and drive the insane individual to destructive deeds, for which he is not to be held responsible. In all these cases the final basis of individual action is the condition of the organ of thought. Gorernment, by means of law, prescribes, in certain respects a course of action for the citizen, and appeals to certain motives as inducements to it. It promises the protection of natural rights as a consequence of obedience to law: and threatens punishment as the result of its violation. Government thus makes its appeal to mind; and we hencesay that it rests upon mindthat its foundation is the responsible intelligence of its subject. This is quite true, but we must go deuper: Government is built upon cerebral conditions. Hence, states of the material brain become the real foundations of government. Its true basis is that which holds and sustains the intelligent nature of man in its barmony and integrity.

There is a class of persons destitute of brains, or rather they have only a part of the organ, just sufficient to regulate and control th.o animal life. They have no intellectual brain, their minds are therefore low and fragmentary, and we call them tdiots. Now, within the constitution of an idiot there is nothing which government can reach so as to make himits suib. ject. There is a deficiency of that portion of the organism upon which governunent is based; and it therefore, in this case, has no bass. The idiot is simply an animal lacking that organic part, which, when superadded, confers intelligence. responsibility, and subjection to law. Or, though the brain of an individual may have been formed perfect, if from any cause it becomes disordered, 50 that the mind can no longer use it, the relation of such person to society is at once dissolved, all moral obligations and legal demands upon him cease. and he pasees beyond the limit of social and civil accountability.

These facts disclose the relative rank of different parts of the human body. Each has its inportance, but there is an infinito difference in their respective valucs. The organs are all bound together by such ties of sympathy and mutual dependence as to constitute a harmonious unit; but when any one becomes disordered so as to interrupt or defeat its peculiar action, we behold at once the wide gradation of their offices. If the bones be broken the body is no longer supported; if the muscles be paralyzed motion is impossible ; if the lungs are disordered, respiration be. comes affected; or if the stomach, there is a disturbed digestion. Yet all this is buta perversion of the subordinate machinery of the human constitution. If disease fastens upon the organ of mind there is dethronment of the intellect, and a total wreck of manhood. God and man-religion, government, and all the multiform relations which cluster around the irtelligent being-are blotted out of existence, for we know uothing of these except by rational and coherent ideas, which are possible if the temple of thought ke thrown into tumult and disorder. The bodily ystem of man may thus be contemplated as in indivisible whole in its subjection to physisical laws, but as devisible into two widely differeat portions in respect of the purposes it seryes. The first consists of the apparatus of
another and more sacred part, devoted to nobler objects, and to which appertains whatever is glorinus and gotlike in man's nature -a part which controls the citizen in the whole circle of his private and public responsibilities, in which, therefore, socicty and yovernment have an especial and peculiar intor-est-upon which, indeed, thoy resi as a foundation.

I call attention now to an important physiological lav, according to which foreign substances affut the bocily constitution. The Girstaction of the system upon the various nutritive materials whelh are designed to nourish it, is by means of the digestive process, to prepare a uniform homorencous liquid, which is to circulate through all its parta. This $\mathrm{H}_{1}$. quid, the blood, contains he elcments necessiry to form all the struciures of the body. The nutrition of these parts, therefore. consists in taking out of the circulatory current and appropriatiug those sjecial elements which each tissuc requires. There is no one part which demands all the constituents of the blood in its growth; it therefore only withdraws such elements as it needs; other parts of the bolly taking the rest. Nutration, therofore, involves a Lind of vital analysis of the sanguinary fluid, and the local appropriation of its consttuents. For example-where the bones are required to grow, compounds of lime are withdrawn from the blood; the muscular tissues select from it compounds containing sul. phur, and the nerrous tissue those containing phosphorns. And so each individual secretion and part-tears, saliva, gastric juice and bile, as well as ligaments, tendons, bair, teeth and nails-cach separates from the blood at some particular place just those peculiar ingredients which are necessary to form it. Local attractlon for chemical substancee in the hodily system is thus the tundanental law by which the living mechanism is perpetuated.

Now this physiological ordinance is not confined to nutritive substances,it governs alsc the destination or medicines. Every body understands that, to combat discases in various parts of the fabric, different medicines are resorted to which will take effect upon the different parts. Medicines swallowed and absorbed into the circulation, or applied extermally, and imbibed by the tissue, enter the revolving stream, and are thence drawn out and lodged in parts which have for them a special attraction. The highest authority in Materi MEdica, Dr Percira, says, "The specific operation of medicines after their absorption, on particular argans is well known." Indeed, eminent medical authorities, as Eberle, Dunglison and others, have made the action of remedies upon different parts of the system the basis of their classifications. Thus, one gmup has a specific action on the intestinal canal, another upon the respiratory organs, and others upon the circulatory, nuscular, and nervous systems. Then there are subdivisions based upon the mode of action of each part. One class of remedies acts upon the blood, some upon its corpuscles, and others upon its plasma; some to thicken and others to thin it, and others to affect it in still different ways. To such an extent is this law of localization carried, that not only do medicines select particular ongans, but (as Dr Carpenter observes) their action is often limited to particular spots upon the organ.
Now, precisely the same law of local attraction which goveras nutriment and medicines, controls also the physiological action of poxsons. Poisonous agents are drawa by special affini.

