

to man, and vice versa, showing similarity of constitution. Monkeys suffer from consumption, apoplexy, and cataract on the eye, and medicines given them produce the same effect as in man. They like alcoholic liquors, and in their wild state are often captured by means of them. Probably the most striking fact of all is that there are on record cases of human reversion to the ape type. In plain language, apes have been born of human parents.

Let no man feel aggrieved at having these facts set forth. The brute is our younger brother, and should be treated with the consideration due to his relationship and helplessness. Being behind us in the evolutionary journey, he should be treated as we would wish to be treated by those who are before us.

WHAT IS MEANT BY THE FITTEST.

The reader is warned against concluding that the fittest is necessarily the best. In point of fact it may be the worst. The tape-worm will survive in the human intestines until after the death of the man. Yet nobody would think of saying that the tape-worm was the better of the two. Nature abounds in similar examples; rats, mice, and other vermin will survive a famine which kills off human beings by the million. Therefore the fittest must be understood to mean the animal or type best suited for the conditions in which it happens to be placed. The fittest means the animal or type best able to conquer the difficulties of its situation. The fittest means the animal or type most in harmony with its environment. If the environment be undesirable the fittest for it will be undesirable also.

THE SOCIAL INSTINCT.

In the foregoing the writer has almost restrained himself to an exposition of the process of purely physical development. This has been done of set purpose for the reason that it is easier for young students of the subject, for whom this essay is intended, to grasp the evolutionary process if only one aspect of it be presented, and especially if that aspect be the physical one. It is hoped, however, that by this time the reader perceives that, on the lines indicated, physical development without mental development is inconceivable. The richest physical endowments would be useless to an animal if it lacked the wit to use them. Indeed, it may be said with confidence that, in most situations, an animal physically inferior and mentally robust would easily overcome and survive a rival physically superior but mentally weak. The same laws operate on the two planes, the physical and the mental. A very little reflection will enable the student to perceive that the struggle for existence improved mind as it improved body. The time has now arrived for stating a further, and, for our present purpose, a more important, outcome of the same struggle.

It is a fact, demonstrated by the trend of modern industry, that, say, ten men working collectively, or co-operatively, will achieve a greater result