

with the fulcrum: a certain volume in the temporal muscle, requiring an equivalent extent in the hollow which receives it, and a certain convexity of the zygomatic arch under which it passes: this zygomatic arch must also possess a certain strength, to give strength to the masseter muscle.

That an animal may carry off his prey, a certain strength is requisite in the muscles which raise the head; whence results a determinate formation in the vertebræ or the muscles attached, and in the occiput where they are inserted.

That the teeth may cut the flesh, they must be sharp; and they must be so more or less, according as they will have, more or less exclusively, flesh to cut. Their roots should be the more solid, as they have more and larger bones to break. All these circumstances will in like manner influence the development of all those parts which serve to move the jaw.

That the claws may seize the prey, they must have a certain mobility in the talons, a certain strength in the nails, whence will result determinate formations in all the claws, and the necessary distribution of muscles and tendons; it will be necessary that the fore arm have a certain facility of turning, whence again will result determinate formation in the bones which compose it; but the bone of the fore arm, articulating in the shoulder-bone, cannot change its structure, without this latter also changes. The shoulder-blade will have a certain degree of strength in those animals which employ their legs to seize with, and they will thence obtain peculiar structure. The play of all these parts will require certain properties in all the muscles, and the impression of these muscles so proportioned