

the outward coat has a lustre, in which may be discovered all the various colours in the rainbow. It has, likewise the appearance of a multiplying glass, having a great number of sides, or facets, in the manner of a brilliant cut diamond. In this particular, the eye of the butterfly and of most other insects correspond, and Leuwenhoek pretends there are above 6000 facets in the cornea of a flea. Puget adapted the cornea of a flea in such a position, as to see objects through it by the means of a microscope, and nothing, he says, could exceed the strangeness of its representations: a soldier, who was seen through it, appeared like an army of pigmies; for while it multiplied, it also diminished the object: the arch of a bridge exhibited a spectacle more magnificent than human skill could perform; the flame of a candle seemed a beautiful illumination. It still, however, remains a doubt, whether the insect see objects singly, as with one eye, or whether every facet is itself a complete eye, exhibiting, its own object distinct from all the rest.

Butterflies, as well as most other flying insects, have two instruments, like horns, on their heads, called feelers. These are moveable at the base, and have a number of joints,
by